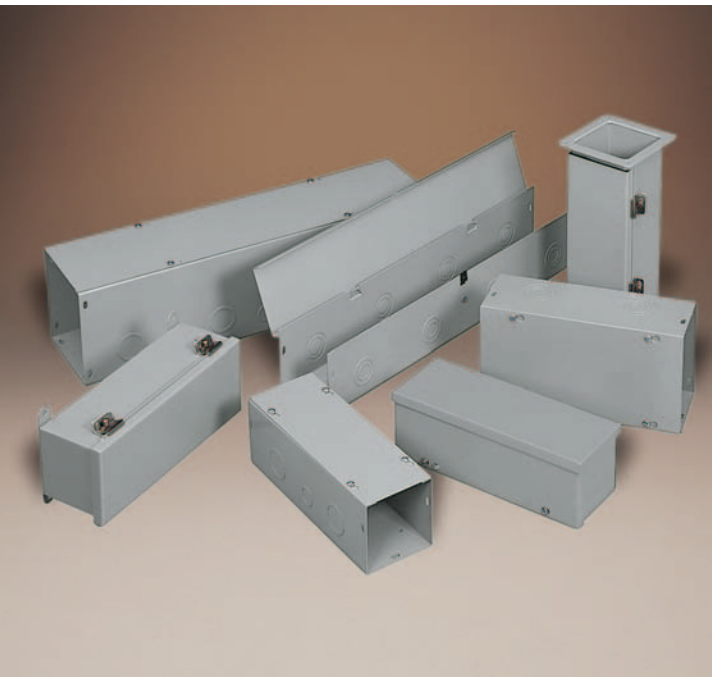
Electrical Enclosures

NEMA Type 1, 3, 3R, 4, 4X, 12, 13 Enclosures & Wireway, Accessories, and Climate Control Products

ENC-11

COOPER B-Line



Introduction

In 1993, B-Line Systems Inc. acquired Circle AW, a precision enclosure manufacturer located in Portland, Oregon and Modesto, California. Cooper B-Line's on going commitment to supplying only the highest quality products available, coupled with Circle AW's exacting standards, provide a winning combination in enclosures. Our commitment is evident by the opening of a 250,000 square feet manufacturing facility located in Sherman, Texas. Our fabrication and finishing equipment is purely state-of-the art and continual upgrades are on the drawing board.

For over 60 years, Circle AW has forged a reputation for excellence building a comprehensive line of environmental enclosures and wireway products for the electrical, electronic, and comm/data markets. These products provide equipment and cabling protection solutions for your junction, termination, distribution, and panel mount/rack mount equipment applications.

You'll find a broad line of UL Listed and CSA Certified NEMA Type 1, 3, 3R, 4, 4X, 6P, 12, and 13 enclosures and wireway that are offered in a wide range of materials and finishes: painted carbon steel, galvanized steel, aluminum, type 304/316L stainless steel, and fiberglass.

This catalog represents our expanded product line of over 6000 SKUs offering gasketed and non-gasketed solutions for differing degrees of protection against falling dirt, dust, rain, splashing water, hose-directed water, sleet, ice formation, dripping liquids, and sprayed oils. Completing the package is a large selection of accessory items and climate control solutions for regulating temperature and humidity.

Our customers in the residential, commercial, industrial, utility, and OEM markets depend on us for a broad range of quality products and superior customer service - Solutions for any enclosure application delivered on time!!

Close collaboration between our sales, engineering, and manufacturing departments ensures that Cooper B-Line enclosures are built to meet or exceed the most stringent industry standards.

As a member of NEMA, we are active in establishing and reviewing the standards all manufacturers must observe.

B-Line has regional sales offices and distribution points throughout the U.S. and Canada to provide convenient reliable service and expedited delivery.

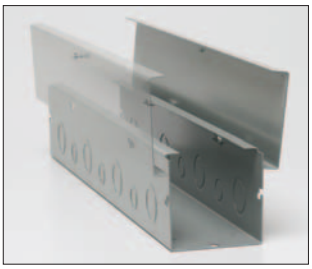
We look forward to serving you!!

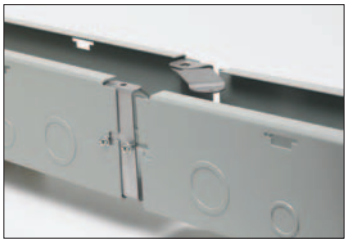
Premier™ Series Enclosures

Visit our website at www.cooperbline.com

New Products from Cooper B-Line

ENCLOSURES





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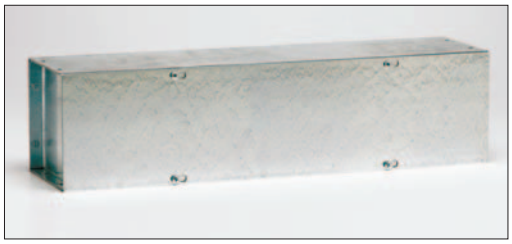

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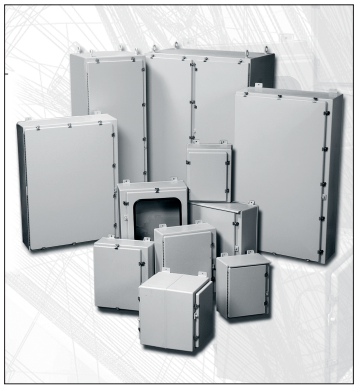

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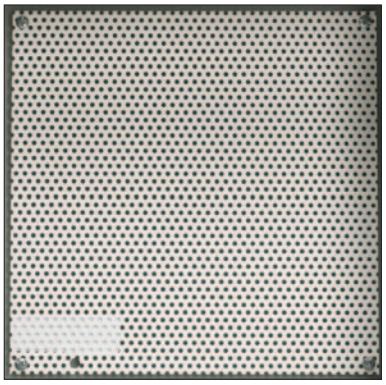

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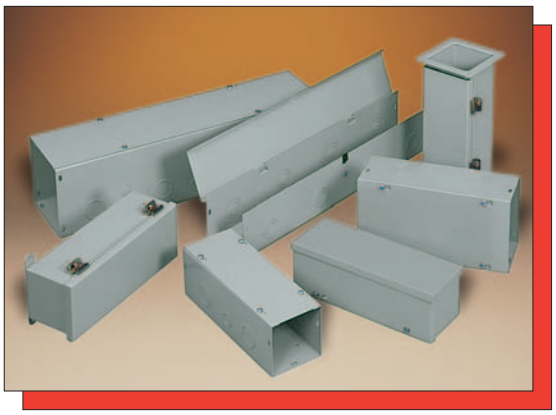

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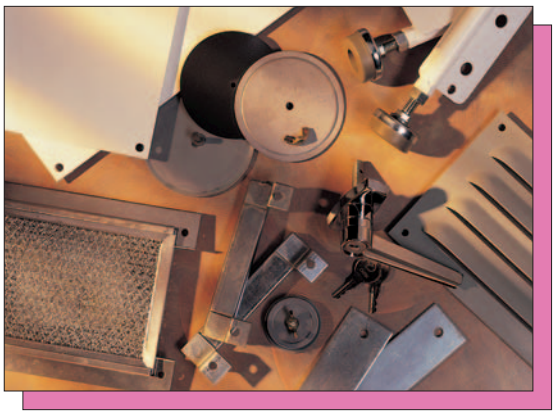

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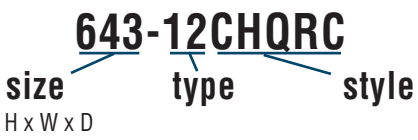
Catalog Numbering Legend

Cooper B-Line's catalog numbering system for industrial and commercial enclosures and wireway is a logical easy-to-use system. It was developed to easily order or find a Cooper B-Line catalog number. Referenced in each catalog number is the size, type designation and style.

Industrial Enclosures



Enclosure Size
Listed left of dash (-)

Enclosure Type
Immediately follows dash (-)

1	Type 1
4	Type 4
4X	Type 4X
12	Type 12
12F	Type 12 Fiberglass
4XA	Type 4X Aluminum
4XF	Type 4X Fiberglass
4XS	Type 4X Type 304 SS
4XSS6	Type 4X Type 316L SS

Enclosure Style
Immediately follows Type designation

CD (as a prefix)	Center Mounted Disconnect Enclosure
CHC	Continuous Hinge Cover
CHQRC	Continuous Hinge Quick-Release Cover
CHSC	Continuous Hinge Screw Cover
D	Double-Door
DA	Dual-Access
ES (as a prefix)	EnviroShield, Free Standing
FD (as a prefix)	Flange Mounted Disconnect Enclosure
FTC	Flange Trough Collar
FD	Floor-Standing, Double-Door
FS	Free-Standing
FSD	Free-Standing, Double-Door
FSDDA	Free-Standing, Double-Door, Dual-Access
FSDA	Free-Standing, Dual-Access
LC	Lift-Off Cover
M (as a prefix)	Modular
SC	Screw Cover
TE	Terminal Enclosure

Fiberglass Enclosure Style
Immediately follows Type designation

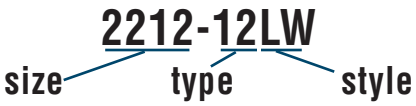
CHSC	JIC Hinge Cover w/ Two Screws
CHQRC	JIC Hinged Cover w/ Quick Release Pad Lockable Latches
CHQRCW	JIC Hinged Cover (Window) w/ Quick-Release Pad Lockable Latches
D	Double Door Wallmount
FS	Free Standing Single Door
FSD	Free Standing Double Door
LC	JIC Lift-Off Screw Cover
PB__	Multi-Hole Pushbutton Enclosure
PV__	Vertical In-Line Pushbutton Enclosure
RHCF	Type 3R Panel Enclosure
SC	Small Junction Box
SDF	Premier Series Hinge Cover w/ Two Screws
SDFQR	Premier Series Hinge Cover w/ Quick-Release Pad Lockable Latches
SDFQRCC	Premier Series Clear Cover w/ Quick-Release Pad Lockable Latches

Premier Enclosure Style
Immediately follows Type designation

DSC	Single-Door Disconnect
FM	Flush-Mount
SD	Single-Door
SDSS4	Single-Door Type 304 SS
SDSS6	Single-Door Type 316L SS
SDW	Single-Door with Window
SDWSS4	Single-Door with Window Type 304 SS
TD	Two-Door

Catalog Numbering Legend

Industrial Wireway



Wireway Size
Listed left of dash (-)

Wireway Type
Immediately follows dash (-)

12	NEMA 12
4X	NEMA 4X
4XS	NEMA 4X Type 304 Stainless Steel

Wireway Styles
Immediately follows Type designation

FW	Feed-Through Wireway
LW	Lay-In Wireway
WT	Wiring Trough

Lay-In Wireway Fittings

LAHM	Adapter for Hammond Mfg.
LAHW	Adapter for Hoffman or Wiegmann
LARR	Adapter for Robroy or Rittal
LASD	Adapter for Square D
BK	Barrier Kit
C	Coupling
LBC	Box Connector
LBH	Hanger, Bracket
LC	Cross, Top Open
LCF	Cut-Off Fitting/Lay-in Style
LCP	Closure Plate
LDH	Hanger, Drop
LE9A	90° Elbow, Top Open
LE9AC	90° Elbow, Outside-Top Open
LE9B	90° Elbow, Inside Open
LE9C	90° Elbow, Outside Open
LE9TC	90° Transposition Elbow, CW
LE9TCC	90° Transposition Elbow, CCW
LE15A	15° Elbow, Top Open
LE45A	45° Elbow, Top Open
LE45B	45° Elbow, Inside Open
LE45C	45° Elbow, Outside Open
LJB	Junction Box
LN1	1” Nipple
LN2	2” Nipple
LN3	3” Nipple
LR	Reducer
LSP	Sealing Plate, Flat
LTA	Tee, Top Open
LTF	Telescopic Fitting
LTSC	Transposition, Clockwise
LTSCC	Transposition, Counter Clockwise

Feed-Through Fittings

BH	Hanger, Bracket
BK	Barrier Kit
DH	Hanger, Drop
FBC	Box Connector
FC	Cross
FCF	Cut-Off Fitting
FCP	Closure Plate
FE9	90° Elbow
FE45	45° Elbow
FFF	Flexible Fitting
FGK	Gasket Kit
FN1	1” Nipple
FN2	2” Nipple
FN3	3” Nipple
FN6	6” Nipple
FRC	Reducer Center
FRE	Reducer Edge
FT	Tee
FTF	Telescopic Fitting

Commercial Wireway

Wireway Size
Listed First

Wireway Style
Follows Size designation

Screw Cover Wireway

G	Type 1 Screw Cover Wireway
GGV	Type 1 Screw Cover Wireway Galvanized

Screw Cover Wireway Fittings

C	Wireway Connector
E	Wireway End
FH	Wireway Hanger
FR	Wireway Reducer
FTF	Telescopic Fitting
GF	Wireway End Flange
L	Elbow
L SWEEP	Sweep Elbow
LTX	Elbow-Tee-Cross
T	Wireway Tee
X	Wireway Cross

Hinge Cover Wireway

HS	Type 1 Quick-Connect Hinge Cover Wireway

Commercial Wireway cont.

Hinge Cover Wireway Fittings

HSA	Wireway Connector - Adapter
HSC	Wireway Connector
HSE	Wireway End
HSF	Wireway End Flange
HSL	45° Elbow
HSL	90° Elbow
HST	Wireway Tee
HSU	Wireway Connector - Universal
HSX	Wireway Cross

Type 3R Wireway

GRT	Type 3R Screw Cover Wireway
GRTGV	Type 3R Screw Cover Wireway Galvanized
GTGV	Type 1 Wiring Trough

Commercial Enclosures

Enclosure Size

Listed First

Enclosure Style

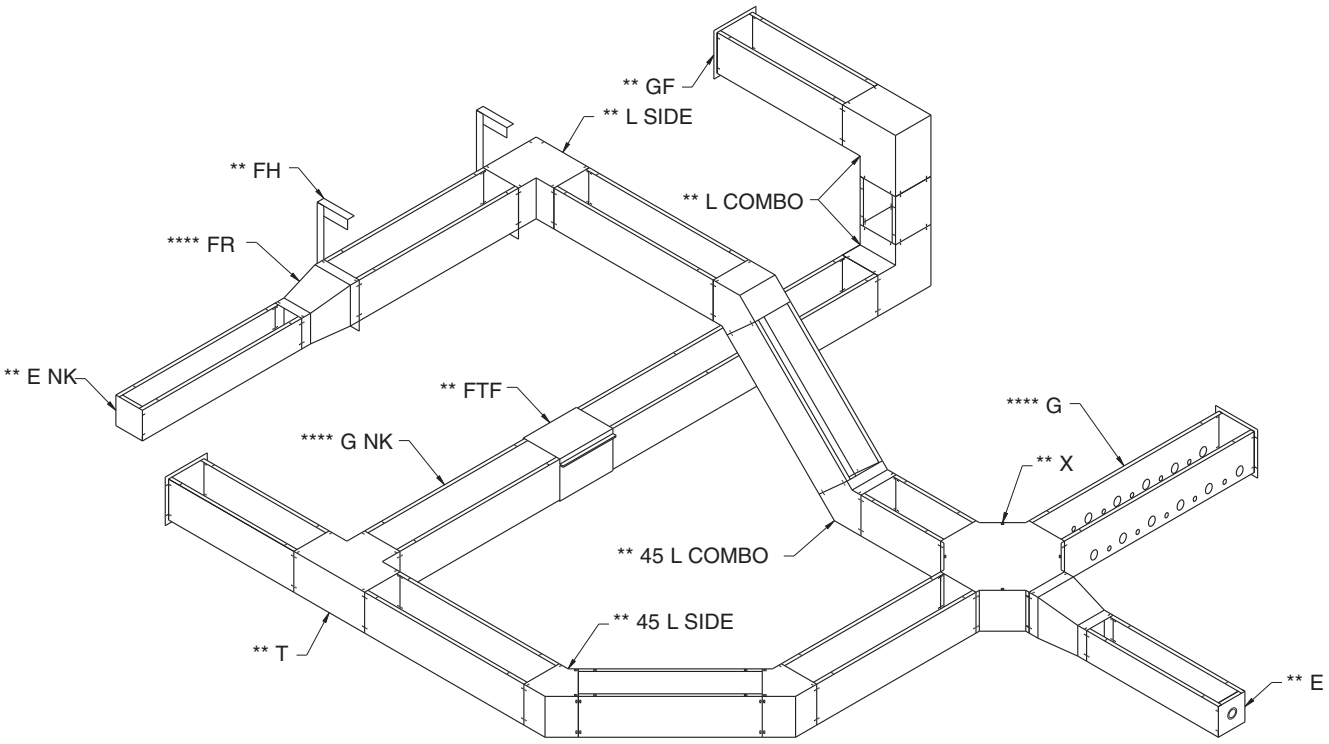
Follows Size designation

DRHC	Type 3R Double-Door Hinge Cover
FC	Spare Fuse Cabinet
HC	Type 1 Hinge Cover
HC NK	Type 1 Hinge Cover No Knockouts
HRTCT	Type 3R Current Transformer Hinge Cover
MBTC	Type 3R Telephone Termination Cabinet
P	Type 1 Locking Enclosure with Perforated Panel
PBRTC	Type 3R Telephone Termination Cabinet
RHC	Type 3R Hinge Cover
RTC	Type 3R Telephone Termination Cabinet
RTCT	Type 3R Current Transformer Screw Cover
RTHC	Type 3R Hinge Cover
RTHC NK	Type 3R Hinge Cover No Knockouts
RTSC	Type 3R Screw Cover
RTSCGV	Type 3R Screw Cover Galvanized
RTSCGV NK	Type 3R Screw Cover Galvanized No Knockouts
RTSC NK	Type 3R Screw Cover No Knockouts
SC	Type 1 Screw Cover
SCG	Type 3 Gasketed Screw Cover
SCGV	Type 1 Screw Cover Galvanized
SCGV NK	Type 1 Screw Cover Galvanized No Knockouts
SC NK	Type 1 Screw Cover No Knockouts
TCF	Type 1 Telephone Termination Cabinet/Flush
TCS	Type 1 Telephone Termination Cabinet/Surface
WPSC	Type 3 Screw Cover

Accessories

AHP	Adjustable Hinge Panel Kit
AMK	Adjustable Mounting Kit
APK	Adjustable Panel Kit
AP	Aluminum Panel
BAP	Blank Adapter Plate
BK	Barrier Kit
BP	Baffle Plate
DF	Dead Front Panel
DK	Drop Shield Kit
DSTOPK	Door Stop Kit
EH	External Hinge
ES	Enclosure Stabilizer
FAS	Filter Adhesive Spray
FLT	Filters
FLWK	Frameless Window Kit
FSHELF	Folding Shelf Kit
GP	Galvanized Panel
GP	Gland Plates
HWK	Hinged Window Kits
IC	Inspection Cover
JICSPK	JIC Swing Panel Kit
KL	Keyed Lock
LPK	Louver Plate Kits
MC	Mounting Channels
MMF	Modular Mounting Frame
MP	Metal Panel
NSPK	NEMA Swing Panel Kit
P	Panel
PF	Fiberglass Panel
PCK	Panel Conversion Kit
PLH	Panel Lifting Hooks
PMK	Pole Mounting Kits
PS	Panel Support Kit
PP	Perforated Panel
PWK	Plexiglass Window Kit
QRCS	Quick-Release Cover Screw
RMA	Rack Mounting Angles
SCS	Slotted Cover Screw
SF	Swing-Out Rack Frames
SL	Standard Latch
SP	Sealing Plate
SP	Stainless Panel
SP	Swing-Out Panel
TB	Terminal Block
TS	Terminal Strap
TSK	Terminal Strap Support Kit
WB	Wood Back Board
WMHK	Wall-Mount Handle, Key Locking
WMHNL	Wall-Mount Handle, Non-Locking
WMHPTO	Wall-Mount Handle, Padlockable
WMK	Wall Mounting Kit

NEMA
Setting Standards for Excellence



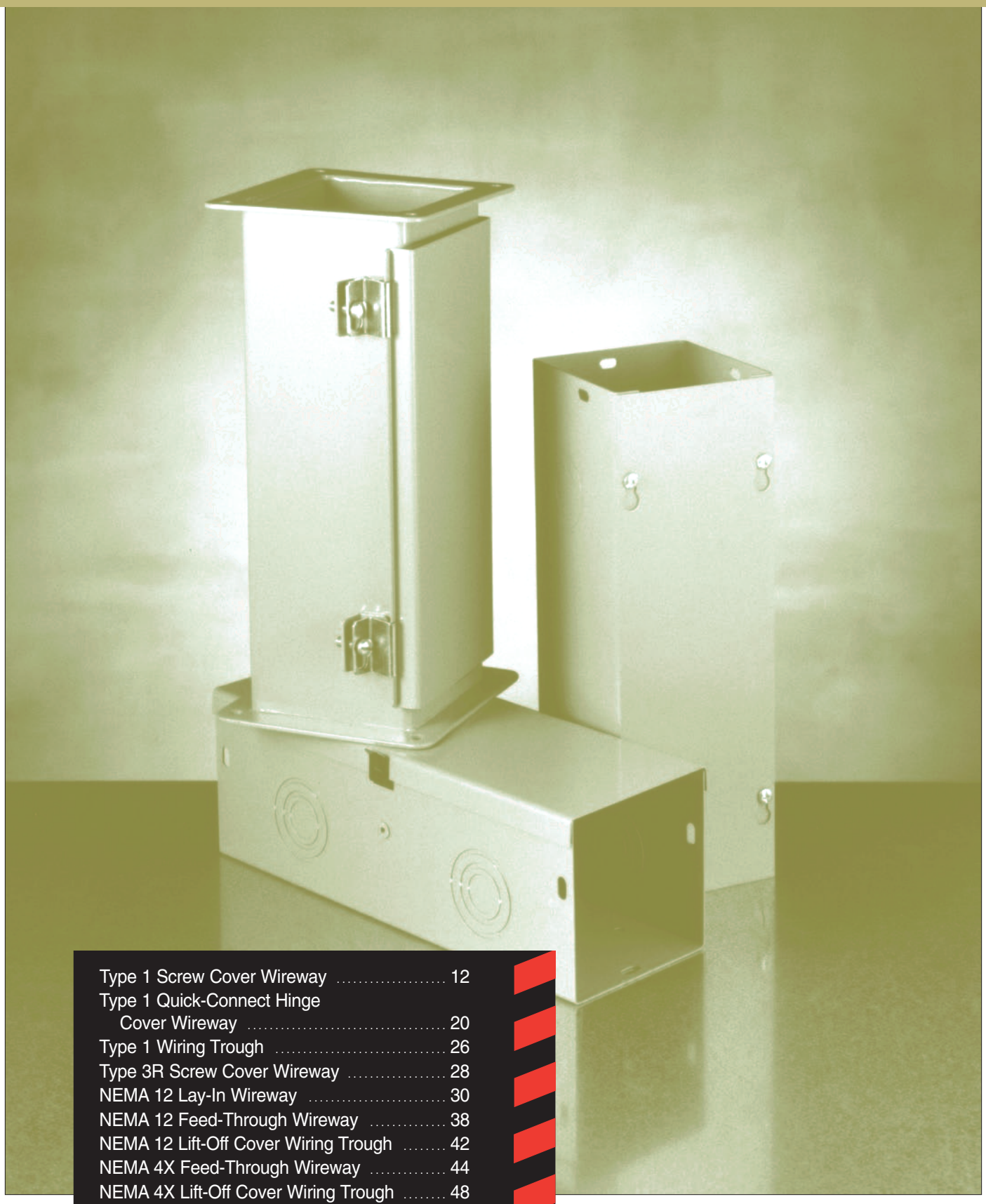
This drawing is for illustration purposes only and depicts how most of B-Line's Type 1 screw cover wireway straight sections and fittings could be used in an actual wireway run. Covers have been omitted in many instances to more clearly show the lay-in feature. Straight sections and fittings can be combined in many different configurations to accommodate any wiring application. The nomenclature depicts Type 1 screw cover wireway in ANSI 61 gray painted steel. In addition, B-Line also offers Type 1 galvanized screw cover wireway, Type 1 Quick-Connect hinge cover wireway, Type 1 wiring trough, Type 3R wireway, NEMA 12 and NEMA 4/4X feed-through wireway, NEMA 12 lay-in wireway, NEMA 12 wiring trough, NEMA 4X wiring trough, fiberglass wireway, and fiberglass wiring trough.

NOMENCLATURE

**** FR	Reducer	** GF	End flange
**** G	Straight section with knockouts	** L COMBO	90° Elbow combo opening
**** G NK	Straight section without knockouts	** L SIDE	90° Elbow side opening
** E	End with knockouts	** 45 L COMBO	45° Elbow combo opening
** ENK	End without knockouts	** 45 L SIDE	45° Elbow side opening
** FH	Hanger	** T	Tee
** FTF	Telescopic fitting	** X	Cross

**** Specify height x depth x length

** Specify height x depth



WIREWAY

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Type 1 Quick-Connect Hinge Cover Wireway 20
Type 1 Wiring Trough 26
Type 3R Screw Cover Wireway 28
NEMA 12 Lay-In Wireway 30
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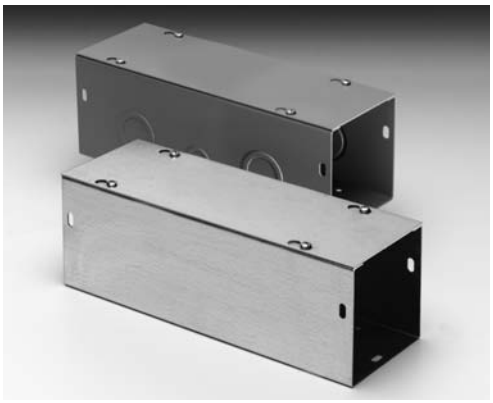
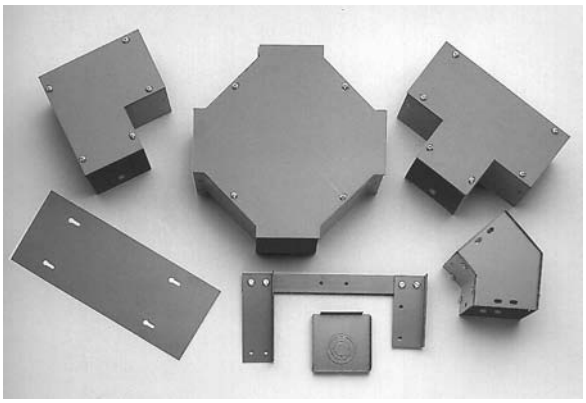
Type 1 Screw Cover Wireway - Painted & Galvanized

Data Sheet





Application

- Houses runs of control and power cable
- Used for cable and wire junction, distribution and termination

Standards

- UL 870 listed, Type 1
- CSA C22.2 No. 26 certified, Type 1
- Conforms to NEMA standard for Type 1
- IEC 60529, IP30

Finish

- Wash and phosphate undercoat or galvanized steel
- ANSI 61 gray acrylic electrocoat finish

Accessories

- Sealing devices
- Touch-up paint
- See Accessories section

Construction

- Wireway body and cover are fabricated from code gauge steel or galvanized steel, (see table)
- Wireway body has mounting holes on the back
- Wireway is available with or without knockouts on the top and bottom sides
- Wireway fittings have no knockouts, ends are available with or without knockouts
- Cover is secured to the body with plated screws
- Keyhole slots are furnished on the wireway cover which allow easy access to the inside without removing the screws
- Flush and surface wireway covers are available
- Wireway exceeding 72 inches in length has two overlapping covers
- Variety of fittings allow runs which can change direction, junction and terminate
- Standard wireway connectors (sold separately) have a unique gate feature which can swing completely open allowing for continuous runs of wire and cable
- Universal connectors are also available for adapting to other manufacturer's wireway, (see table, page 16)
- Completely interchangeable with Type 1 Hinge Cover Wireway and Fittings

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 1 Screw Cover Wireway - Painted & Galvanized

Catalog Number

Wireway Catalog Number				Wireway Size Height x Depth x Length A x B x C		D			Knockout Quantity	
Painted		Galvanized								
KO	No KO	KO	No KO	in.	mm	in.	mm	Gauge	Top	Bottom
2212 G	2212 G NK	2212 GGV	2212 GGV NK	2.50x2.50x12.00	64x64x305	1.25	32	16	3	3
2218 G	2218 G NK	2218 GGV	2218 GGV NK	2.50x2.50x18.00	64x64x457	1.25	32	16	5	5
2224 G	2224 G NK	2224 GGV	2224 GGV NK	2.50x2.50x24.00	64x64x610	1.25	32	16	7	7
2236 G	2236 G NK	2236 GGV	2236 GGV NK	2.50x2.50x36.00	64x64x914	1.25	32	16	11	11
2248 G	2248 G NK	2248 GGV	2248 GGV NK	2.50x2.50x48.00	64x64x1219	1.25	32	16	15	15
2260 G	2260 G NK	2260 GGV	2260 GGV NK	2.50x2.50x60.00	64x64x1524	1.25	32	16	19	19
2272 G	2272 G NK	2272 GGV	2272 GGV NK	2.50x2.50x72.00	64x64x1829	1.25	32	16	23	23
22120 G	22120 G NK	22120 GGV	22120 GGV NK	2.50x2.50x120.00	64x64x3048	1.25	32	16	39	39
3312 G	3312 G NK	3312 GGV	3312 GGV NK	3.00x3.00x12.00	76x76x305	1.50	38	16	3	3
3318 G	3318 G NK	3318 GGV	3318 GGV NK	3.00x3.00x18.00	76x76x457	1.50	38	16	5	5
3324 G	3324 G NK	3324 GGV	3324 GGV NK	3.00x3.00x24.00	76x76x610	1.50	38	16	7	7
3336 G	3336 G NK	3336 GGV	3336 GGV NK	3.00x3.00x36.00	76x76x914	1.50	38	16	11	11
3348 G	3348 G NK	3348 GGV	3348 GGV NK	3.00x3.00x48.00	76x76x1219	1.50	38	16	15	15
3360 G	3360 G NK	3360 GGV	3360 GGV NK	3.00x3.00x60.00	76x76x1524	1.50	38	16	19	19
3372 G	3372 G NK	3372 GGV	3372 GGV NK	3.00x3.00x72.00	76x76x1829	1.50	38	16	23	23
33120 G	33120 G NK	33120 GGV	33120 GGV NK	3.00x3.00x120.00	76x76x3048	1.50	38	16	39	39
4412 G	4412 G NK	4412 GGV	4412 GGV NK	4.00x4.00x12.00	102x102x305	2.75	70	16	3	3
4418 G	4418 G NK	4418 GGV	4418 GGV NK	4.00x4.00x18.00	102x102x457	2.75	70	16	5	5
4424 G	4424 G NK	4424 GGV	4424 GGV NK	4.00x4.00x24.00	102x102x610	2.75	70	16	7	7
4436 G	4436 G NK	4436 GGV	4436 GGV NK	4.00x4.00x36.00	102x102x914	2.75	70	16	11	11
4448 G	4448 G NK	4448 GGV	4448 GGV NK	4.00x4.00x48.00	102x102x1219	2.75	70	16	15	15
4460 G	4460 G NK	4460 GGV	4460 GGV NK	4.00x4.00x60.00	102x102x1524	2.75	70	16	19	19
4472 G	4472 G NK	4472 GGV	4472 GGV NK	4.00x4.00x72.00	102x102x1829	2.75	70	16	23	23
44120 G	44120 G NK	44120 GGV	44120 GGV NK	4.00x4.00x120.00	102x102x3048	2.75	70	16	39	39
6412 G	6412 G NK	6412 GGV	6412 GGV NK	6.00x4.00x12.00	152x102x305	4.25	108	16	3	3
6418 G	6418 G NK	6418 GGV	6418 GGV NK	6.00x4.00x18.00	152x102x457	4.25	108	16	5	5
6424 G	6424 G NK	6424 GGV	6424 GGV NK	6.00x4.00x24.00	152x102x610	4.25	108	16	7	7
6436 G	6436 G NK	6436 GGV	6436 GGV NK	6.00x4.00x36.00	152x102x914	4.25	108	16	11	11
6448 G	6448 G NK	6448 GGV	6448 GGV NK	6.00x4.00x48.00	152x102x1219	4.25	108	16	15	15
6460 G	6460 G NK	6460 GGV	6460 GGV NK	6.00x4.00x60.00	152x102x1524	4.25	108	16	19	19
6472 G	6472 G NK	6472 GGV	6472 GGV NK	6.00x4.00x72.00	152x102x1829	4.25	108	16	23	23
64120 G	64120 G NK	64120 GGV	64120 GGV NK	6.00x4.00x120.00	152x102x3048	4.25	108	16	39	39
6612 G	6612 G NK	6612 GGV	6612 GGV NK	6.00x6.00x12.00	152x152x305	4.25	108	16	3	3
6618 G	6618 G NK	6618 GGV	6618 GGV NK	6.00x6.00x18.00	152x152x457	4.25	108	16	5	5
6624 G	6624 G NK	6624 GGV	6624 GGV NK	6.00x6.00x24.00	152x152x610	4.25	108	16	7	7
6636 G	6636 G NK	6636 GGV	6636 GGV NK	6.00x6.00x36.00	152x152x914	4.25	108	16	11	11
6648 G	6648 G NK	6648 GGV	6648 GGV NK	6.00x6.00x48.00	152x152x1219	4.25	108	16	15	15
6660 G	6660 G NK	6660 GGV	6660 GGV NK	6.00x6.00x60.00	152x152x1524	4.25	108	16	19	19
6672 G	6672 G NK	6672 GGV	6672 GGV NK	6.00x6.00x72.00	152x152x1829	4.25	108	16	23	23
66120 G	66120 G NK	66120 GGV	66120 GGV NK	6.00x6.00x120.00	152x152x3048	4.25	108	16	39	39

See page 14 for 8”x8” through 12”x12” wireway.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Screw Cover Wireway - Painted & Galvanized

Catalog Number

Wireway Catalog Number				Wireway Size Height x Depth x Length A x B x C		D			Knockout Quantity	
Painted		Galvanized								
KO	No KO	KO	No KO	in.	mm	in.	mm	Gauge	Top	Bottom
8812 G	8812 G NK	8812 GGV	8812 GGV NK	8.00x8.00x12.00	203x203x305	6.00	152	14	3	3
8818 G	8818 G NK	8818 GGV	8818 GGV NK	8.00x8.00x18.00	203x203x457	6.00	152	14	5	5
8824 G	8824 G NK	8824 GGV	8824 GGV NK	8.00x8.00x24.00	203x203x610	6.00	152	14	7	7
8836 G	8836 G NK	8836 GGV	8836 GGV NK	8.00x8.00x36.00	203x203x914	6.00	152	14	11	11
8848 G	8848 G NK	8848 GGV	8848 GGV NK	8.00x8.00x48.00	203x203x1219	6.00	152	14	15	15
8860 G	8860 G NK	8860 GGV	8860 GGV NK	8.00x8.00x60.00	203x203x1524	6.00	152	14	19	19
8872 G	8872 G NK	8872 GGV	8872 GGV NK	8.00x8.00x72.00	203x203x1829	6.00	152	14	23	23
88120 G	88120 G NK	88120 GGV	88120 GGV NK	8.00x8.00x120.00	203x203x3048	6.00	152	14	39	39
101012 G	101012 G NK	101012 GGV	101012 GGV NK	10.00x10.00x12.00	254x254x305	8.00	203	14	3	3
101024 G	101024 G NK	101024 GGV	101024 GGV NK	10.00x10.00x24.00	254x254x610	8.00	203	14	7	7
101036 G	101036 G NK	101036 GGV	101036 GGV NK	10.00x10.00x36.00	24x254x914	8.00	203	14	11	11
101048 G	101048 G NK	101048 GGV	101048 GGV NK	10.00x10.00x48.00	254x254x1219	8.00	203	14	15	15
101060 G	101060 G NK	101060 GGV	101060 GGV NK	10.00x10.00x60.00	254x254x1524	8.00	203	14	19	19
101072 G	101072 G NK	101072 GGV	101072 GGV NK	10.00x10.00x72.00	254x254x1829	8.00	203	14	23	23
1010120 G	1010120 G NK	1010120 GGV	1010120 GGV NK	10.00x10.00x120.00	254x254x3048	8.00	203	14	39	39
121212 G	121212 G NK	121212 GGV	121212 GGV NK	12.00x12.00x12.00	305x305x305	10.00	254	14	3	3
121224 G	121224 G NK	121224 GGV	121224 GGV NK	12.00x12.00x24.00	305x305x610	10.00	254	14	7	7
121236 G	121236 G NK	121236 GGV	121236 GGV NK	12.00x12.00x36.00	305x305x914	10.00	254	14	11	11
121248 G	121248 G NK	121248 GGV	121248 GGV NK	12.00x12.00x48.00	305x305x1219	10.00	254	14	15	15
121260 G	121260 G NK	121260 GGV	121260 GGV NK	12.00x12.00x60.00	305x3051524	10.00	254	14	19	19
121272 G	121272 G NK	121272 GGV	121272 GGV NK	12.00x12.00x72.00	305x305x1829	10.00	254	14	23	23
1212120 G	1212120 G NK	1212120 GGV	1212120 GGV NK	12.00x12.00x120.00	305x305x3048	10.00	254	14	39	39

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Screw Cover Wireway Fittings - Painted & Galvanized

Catalog Number

Connector

Catalog Number	A		B	
	in.	mm	in.	mm
22 C	2.50	64	2.50	64
33 C	3.00	76	3.00	76
44 C	4.00	102	4.00	102
64 C	6.00	152	4.00	102
66 C	6.00	152	6.00	152
88 C	8.00	203	8.00	203
1010 C	10.00	254	10.00	254
1212 C	12.00	305	12.00	305

Reducer

Catalog Number		A1		B1		A2		B2		C	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
2233 FR	2233 FRGV	2.50	64	2.50	64	3.00	76	3.00	76	6.00	152
3344 FR	3344 FRGV	3.00	76	3.00	76	4.00	102	4.00	102	8.00	203
4466 FR	4466 FRGV	4.00	102	4.00	102	6.00	152	6.00	152	10.00	254
6688 FR	6688 FRGV	6.00	152	6.00	152	8.00	203	8.00	203	12.00	305
881010 FR	881010 FRGV	8.00	203	8.00	203	10.00	254	10.00	254	12.00	305
10101212 FR	10101212 FRGV	10.00	254	10.00	254	12.00	305	12.00	305	16.00	406

Wireway End Flange

Catalog Number		A		B		E		F	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm
22 GF	22 GFGV	2.50	64	2.50	64	4.00	102	4.00	102
33 GF	33 GFGV	3.00	76	3.00	76	4.50	114	4.50	114
44 GF	44 GFGV	4.00	102	4.00	102	5.50	140	5.50	140
64 GF	64 GFGV	6.00	152	4.00	102	7.50	191	5.50	140
66 GF	66 GFGV	6.00	152	6.00	152	7.50	191	7.50	191
88 GF	88 GFGV	8.00	203	8.00	203	9.50	241	9.50	241
1010 GF	1010 GFGV	10.00	254	10.00	254	11.50	292	11.50	292
1212 GF	1212 GFGV	12.00	305	12.00	305	13.50	343	13.50	343

90° Elbow

Catalog Number		A		B		C		E		F	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
22 L COMBO	22 L COMBOGV	2.50	64	2.50	64	5.59	142	4.28	109	4.28	109
33 L COMBO	33 L COMBOGV	3.00	76	3.00	76	6.09	155	4.50	114	4.50	114
44 L COMBO	44 L COMBOGV	4.00	102	4.00	102	7.09	180	5.00	127	5.00	127
64 L COMBO	64 L COMBOGV	4.00	102	6.00	152	10.09	256	5.00	127	5.00	127
66 L COMBO	66 L COMBOGV	6.00	152	6.00	152	10.09	256	7.00	178	7.00	178
88 L COMBO	88 L COMBOGV	8.00	203	8.00	203	12.09	307	8.00	203	8.00	203
1010 L COMBO	1010 L COMBOGV	10.00	254	10.00	254	14.09	358	9.00	229	9.00	229
1212 L COMBO	1212 L COMBOGV	12.00	305	12.00	305	16.09	409	10.00	254	10.00	254
22 L SIDE	22 L SIDEGV	2.50	64	2.50	64	5.59	142	4.28	109	4.28	109
33 L SIDE	33 L SIDEGV	3.00	76	3.00	76	6.09	155	4.50	114	4.50	114
44 L SIDE	44 L SIDEGV	4.00	102	4.00	102	7.09	180	5.00	127	5.00	127
64 L SIDE	64 L SIDEGV	6.00	152	4.00	102	10.09	256	7.00	178	7.00	178
66 L SIDE	66 L SIDEGV	6.00	152	6.00	152	10.09	256	7.00	178	7.00	178
88 L SIDE	88 L SIDEGV	8.00	203	8.00	203	12.09	307	8.00	203	8.00	203
1010 L SIDE	1010 L SIDEGV	10.00	254	10.00	254	14.09	358	10.00	254	9.00	229
1212 L SIDE	1212 L SIDEGV	12.00	305	12.00	305	16.09	409	10.00	254	10.00	254
22 L SWEEP	22 L SWEEPGV	2.50	64	2.50	64	5.63	143	4.25	108	4.25	108
33 L SWEEP	33 L SWEEPGV	3.00	76	3.00	76	8.41	214	6.84	174	6.84	174
44 L SWEEP	44 L SWEEPGV	4.00	102	4.00	102	9.41	239	7.34	186	7.34	186
64 L SWEEP	64 L SWEEPGV	6.00	152	4.00	102	11.41	290	8.34	212	8.34	212
66 L SWEEP	66 L SWEEPGV	6.00	152	6.00	152	11.41	290	8.34	212	8.34	212
88 L SWEEP	88 L SWEEPGV	8.00	203	8.00	203	13.41	341	9.34	237	9.34	237
1010 L SWEEP	1010 L SWEEPGV	10.00	254	10.00	254	15.41	391	10.34	263	10.34	263
1212 L SWEEP	1212 L SWEEPGV	12.00	305	12.00	305	17.41	442	11.34	288	11.34	288

Telescopic Fitting

Catalog Number		A		B1		B2		C	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm
22 FTF	22 FTFGV	2.75	70	1.75	44	1.12	28	12.00	305
33 FTF	33 FTFGV	3.25	83	2.25	57	1.12	28	12.00	305
44 FTF	44 FTFGV	4.25	108	3.25	83	1.12	28	12.00	305
64 FTF	64 FTFGV	6.25	159	3.25	83	1.12	28	12.00	305
66 FTF	66 FTFGV	6.25	159	5.25	133	1.12	28	12.00	305
88 FTF	88 FTFGV	8.25	210	7.25	184	1.12	28	12.00	305
1010 FTF	1010 FTFGV	10.25	260	9.25	235	1.12	28	12.00	305
1212 FTF	1212 FTFGV	12.25	311	11.25	286	1.12	28	12.00	305

End

Catalog Number				A		B	
KO	No KO	KO	No KO				
Painted		Galvanized		in.	mm	in.	mm
22 E	22 E NK	22 EGV	22 EGV NK	2.50	64	2.50	64
33 E	33 E NK	33 EGV	33 EGV NK	3.00	76	3.00	76
44 E	44 E NK	44 EGV	44 EGV NK	4.00	102	4.00	102
64 E	64 E NK	64 EGV	64 EGV NK	6.00	152	4.00	102
66 E	66 E NK	66 EGV	66 EGV NK	6.00	152	6.00	152
88 E	88 E NK	88 EGV	88 EGV NK	8.00	203	8.00	203
1010 E	1010 E NK	1010 EGV	1010 EGV NK	10.00	254	10.00	254
1212 E	1212 E NK	1212 EGV	1212 EGV NK	12.00	305	12.00	305

See drawing for KO sizes.

Wireway Hanger

Catalog Number		G		H		J		K	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm
22 FH	22 FHGV	8.50	216	6.50	165	6.50	165	2.87	73
33 FH	33 FHGV	10.50	267	8.50	216	9.00	229	3.87	98
44 FH	44 FHGV	12.50	318	10.50	267	10.37	263	4.87	124
66 FH	66 FHGV	16.50	419	14.50	368	13.50	343	5.87	149
88 FH	88 FHGV	20.50	521	18.50	470	16.75	425	6.87	174
1010 FH*	1010 FHGV*	24.50	622	22.50	572	19.75	502	7.87	200
1212 FH*	1212 FHGV*	28.50	724	26.50	673	22.75	578	8.87	225

*Hangers are shipped welded in the top cover assembly position.

90° Elbow - Tee - Cross

Catalog Number		A		B		C	
Painted	Galvanized	in.	mm	in.	mm	in.	mm
22 LTX	22 LTXGV	2.50	64	2.50	64	4.50	114
33 LTX	33 LTXGV	3.00	76	3.00	76	5.00	127
44 LTX	44 LTXGV	4.00	102	4.00	102	6.00	152
64 LTX	64 LTXGV	6.00	152	4.00	102	8.00	203
66 LTX	66 LTXGV	6.00	152	6.00	152	8.00	203
88 LTX	88 LTXGV	8.00	203	8.00	203	10.00	254
1010 LTX	1010 LTXGV	10.00	254	10.00	254	12.00	305
1212 LTX	1212 LTXGV	12.00	305	12.00	305	14.00	356

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Screw Cover Wireway Fittings - Painted & Galvanized

Catalog Number

45° Elbow

Catalog Number		A		B		E		F	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm
2245 L COMBO	2245 L COMBOGV	2.50	64	2.50	64	1.72	44	1.72	44
3345 L COMBO	3345 L COMBOGV	3.00	76	3.00	76	2.56	65	2.56	65
4445 L COMBO	4445 L COMBOGV	4.00	102	4.00	102	2.75	70	2.75	70
6445 L COMBO	6445 L COMBOGV	4.00	102	6.00	153	2.75	70	2.75	70
6645 L COMBO	6645 L COMBOGV	6.00	153	6.00	153	3.18	81	3.18	81
8845 L COMBO	8845 L COMBOGV	8.00	203	8.00	203	3.62	92	3.62	92
101045 L COMBO	101045 L COMBOGV	10.00	254	10.00	254	4.06	103	4.06	103
121245 L COMBO	121245 L COMBOGV	12.00	305	12.00	305	4.50	114	4.50	114
2245 L SIDE	2245 L SIDEGV	2.50	64	2.50	64	1.97	50	1.97	50
3345 L SIDE	3345 L SIDEGV	3.00	76	3.00	76	2.56	65	2.56	65
4445 L SIDE	4445 L SIDEGV	4.00	102	4.00	102	2.75	70	2.75	70
6445 L SIDE	6445 L SIDEGV	6.00	153	4.00	102	3.18	81	3.18	81
6645 L SIDE	6645 L SIDEGV	6.00	153	6.00	153	3.18	81	3.18	81
8845 L SIDE	8845 L SIDEGV	8.00	203	8.00	203	3.62	92	3.62	92
101045 L SIDE	101045 L SIDEGV	10.00	254	10.00	254	4.06	103	4.06	103
121245 L SIDE	121245 L SIDEGV	12.00	305	12.00	305	4.50	114	4.50	114

Tee

Catalog Number		A		B		E		F	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm
22 T	22 TGV	2.50	64	2.50	64	4.25	108	4.25	108
33 T	33 TGV	3.00	76	3.00	76	4.50	114	4.50	114
44 T	44 TGV	4.00	102	4.00	102	5.00	127	5.00	127
64 T	64 TGV	6.00	153	4.00	102	7.00	178	7.00	178
66 T	66 TGV	6.00	153	6.00	153	7.00	178	7.00	178
88 T	88 TGV	8.00	203	8.00	203	8.00	203	8.00	203
1010 T	1010 TGV	10.00	254	10.00	254	9.00	229	9.00	229
1212 T	1212 TGV	12.00	305	12.00	305	10.00	254	10.00	254

Cross

Catalog Number		A		B		E		F	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm
22 X	22 XGV	2.50	64	2.50	64	4.25	108	4.25	108
33 X	33 XGV	3.00	76	3.00	76	5.62	143	5.62	143
44 X	44 XGV	4.00	102	4.00	102	6.12	155	6.12	155
64 X	64 XGV	6.00	152	4.00	152	7.12	181	7.12	181
66 X	66 XGV	6.00	152	6.00	152	7.12	181	7.12	181
88 X	88 XGV	8.00	203	8.00	203	8.12	206	8.12	206
1010 X	1010 XGV	10.00	254	10.00	254	9.12	232	9.12	232
1212 X	1212 XGV	12.00	305	12.00	305	10.12	257	10.12	25

Barrier Kit, 60" Bolt-On

Catalog Number	Size		Length		H	
	in.	mm	in.	mm	in.	mm
22-12BK*	2.50x2.50	64x64	60.00	1524	1.88	48
33-12BK*	3.00x3.00	76x76	60.00	1524	2.25	57
44-12BK*	4.00x4.00	102x102	60.00	1524	3.00	76
66-12BK*	6.00x6.00	152x152	60.00	1524	4.50	114
88-12BK*	8.00x8.00	203x203	60.00	1524	6.00	152
1010-12BK*	10.00x10.00	254x254	60.00	1524	8.00	203
1212-12BK*	12.00x12.00	305x305	60.00	1524	10.50	267

*Not UL or CSA listed fitting.

Type 1 Wireway Competitor Adapters

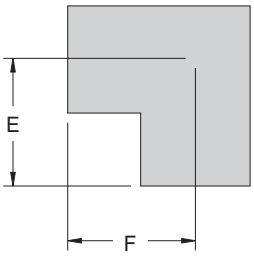
Wireway Size		Hoffman®[1]	Wiegmann®[2]	Square D®[3]	Unity®[4]	Electrical Box and Enclosures®[5]	Austin®[6]
in.	mm						
2.5x2.5	64x64	22 CA	22 CA	22 CA	22 CA	-	22 ACA
4x4	102x102	44 CA	44 CA	44 CA	44 CA	44 CA	44 ACA
6x6	152x152	66 CA	66 CA	66 CA	66 CA	66 CA	66 ACA
8x8	203x203	88 CA	88 CA	88 SCA	88 CA	88 CA	88 ACA
10x10	254x254	1010 CA	1010 CA	1010 SCA	1010 CA	1010 CA	1010 ACA
12x12	305x305	1212 CA	1212 CA	1212 SCA	1212 CA	1212 CA	1212 ACA

1. HOFFMAN® is the registered trademark of Hoffman Engineering Company, Anoka, Minnesota.
2. WIEGMANN® is the registered trademark of Hubbell Incorporated, Orange, Connecticut.
3. SQUARE D® is the registered trademark of Square D Company, Palatine, Illinois.
4. UNITY® is the registered trademark of Unity Manufacturing, Garland, Texas.
5. ELECTRICAL BOX AND ENCLOSURES® is the registered trademark of Electrical Box and Enclosures, Alabaster, Alabama.
6. AUSTIN® is the registered trademark of The Austin Co., Yadkinville, North Carolina.

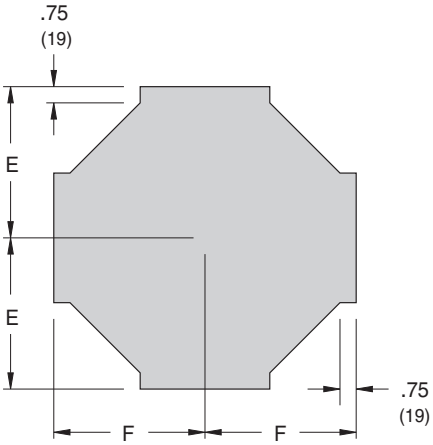
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Screw Cover Wireway - Painted & Galvanized

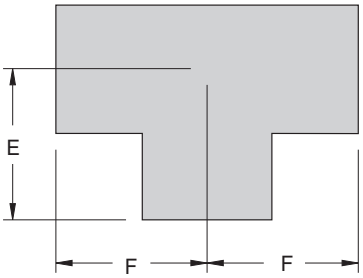
Illustration Sheet



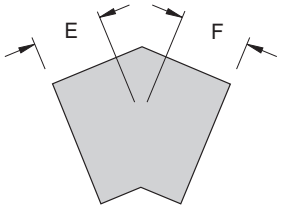
90˚ Elbow



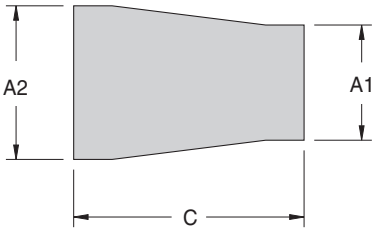
Cross



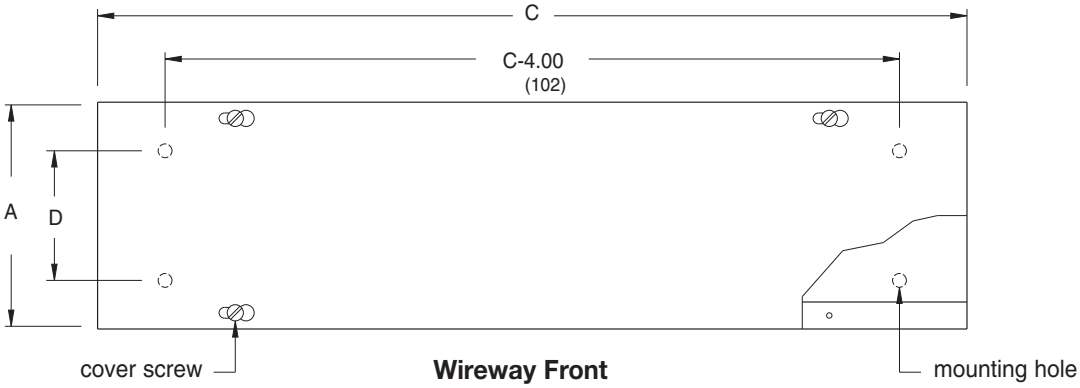
Tee



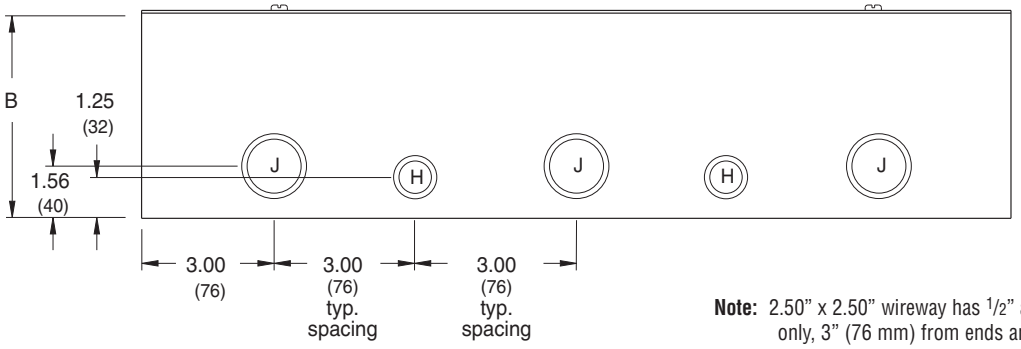
45˚ Elbow



Reducer Fitting



Wireway Front



Wireway Side

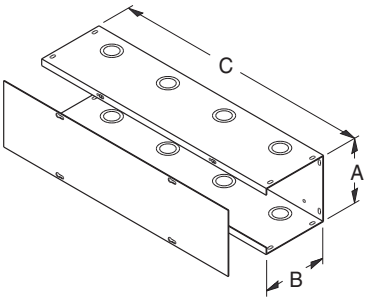
Knockout sizes:
H = 3/4" or 1/2" conduit
J = 1 1/4" or 1" conduit

Note: 2.50" x 2.50" wireway has 1/2" and 3/4" 2-way knockouts (H) only, 3" (76 mm) from ends and 3" (76 mm) on center. Additional mounting holes are furnished when C dimension is over 60.00" (1524 mm).

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Screw Cover Wireway - Painted & Galvanized

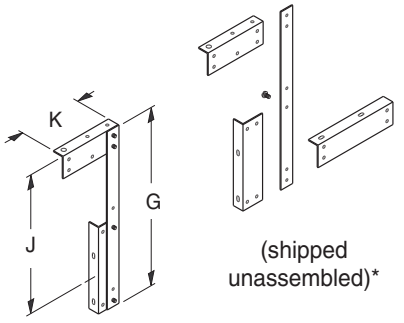
Illustration Sheet



Wireway Section

Lengths from 12.00” (305 mm) to 120.00” (3048 mm). Wireway exceeding 72.00” (1829 mm) has two covers. Shown with KO’s also available without.

Wireway Hangers

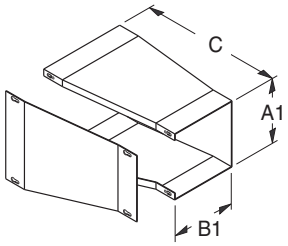


Side Cover Assembly

For those installations where the wireway cover must be removed from the side. *1010 FH & 1212 FH are shipped welded in the top cover assembly position.

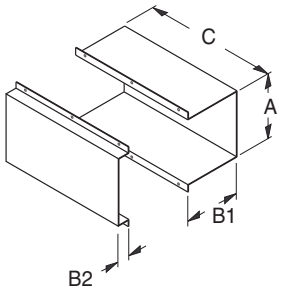
Top Cover Assembly

For those installations where the wireway cover must be removed from the top.*1010 FH & 1212 FH are shipped welded in the top cover assembly position.



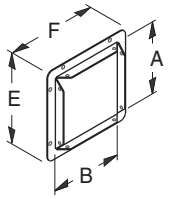
Reducer

A2 and B2 dimensions (see catalog table), correspond to the large end opening. Used to reduce or enlarge wireway runs.



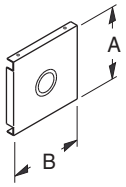
Telescopic Fitting

Adjustable length up to 10.00” (254 mm). Wraps around the two near joining wireway lengths to achieve a continuous run.



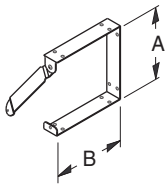
Wireway End Flange

Allows for a secure connection of wireway to an adjoining enclosure or wall.



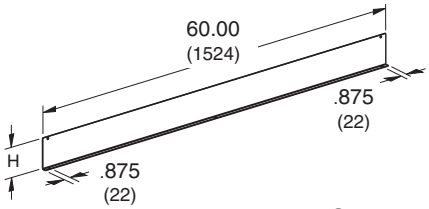
End

Used to terminate wireway or fitting. 2.50”x2.50” (64 mm x 64 mm) through 8.00”x8.00” (203 mm x 203 mm) ends have a 1.50”-1.25” concentric 2-way KO. 10.00” x 10.00” (254 mm x 254 mm) ends and larger have a 3.00”-2.50” concentric 2-way KO for terminating on pipe or conduit. Also available without KO.



Connector

Swing gate allows for continuous runs of wire and cable.



Barrier, Bolt-On

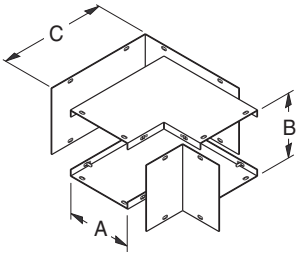
For those installations that require separated wiring compartments.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

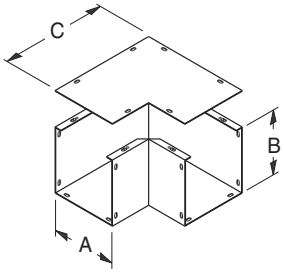
Type 1 Screw Cover Wireway - Painted & Galvanized

Illustration Sheet

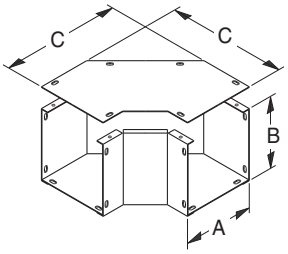
Wireway 90° Elbows



Combo Opening
Specially designed for removing either the inside or outside cover to allow a continuous run with 90˚ turns.

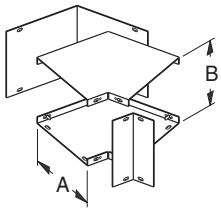


Side Opening
Side cover is removable to allow a continuous run on designs with 90˚ turns.

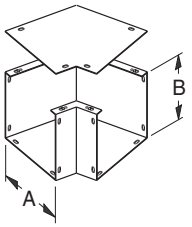


Sweep Elbow
Side cover design with a larger radius for 90° sweeping turns.

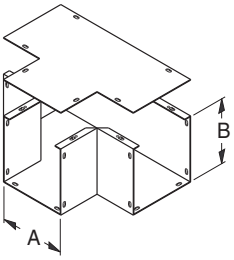
Wireway 45° Elbows



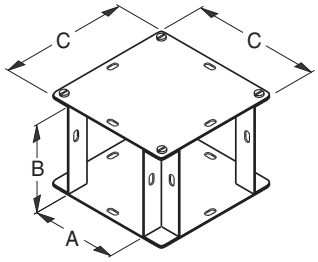
Combo Opening
Similar to the 90˚ elbow design except a 45˚ turn. Both inside and outside covers removable.



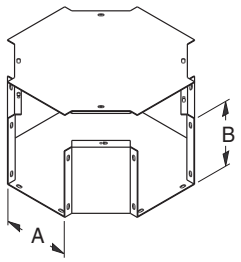
Side Opening
Similar to the 90˚ side opening design except for a 45˚ turn. Excellent for combining two to make a gradual sweeping 90˚ turn.



Tee
Side cover design where a “T” junction is necessary.



90° Elbow-Tee-Cross
Designed for left or right 90° turns or as a tee or cross by removing closure plates. Includes two (2) closure plates and hardware.



Cross
Side cover and broad body design to junction cable run in four directions.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Quick-Connect Hinge Cover Wireway

Data Sheet

Application

- Houses runs of control and power cable
- Used for cable and wire junction, distribution and termination

Standards

- UL 870 listed, Type 1
- CSA C22.2 No. 26 certified, Type 1
- Conforms to NEMA standard for Type 1
- IEC 60529, IP30

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

- Touch-up paint
- See Accessories section

Protected by U.S. Patents 7,525,044 & 7,762,042

Construction

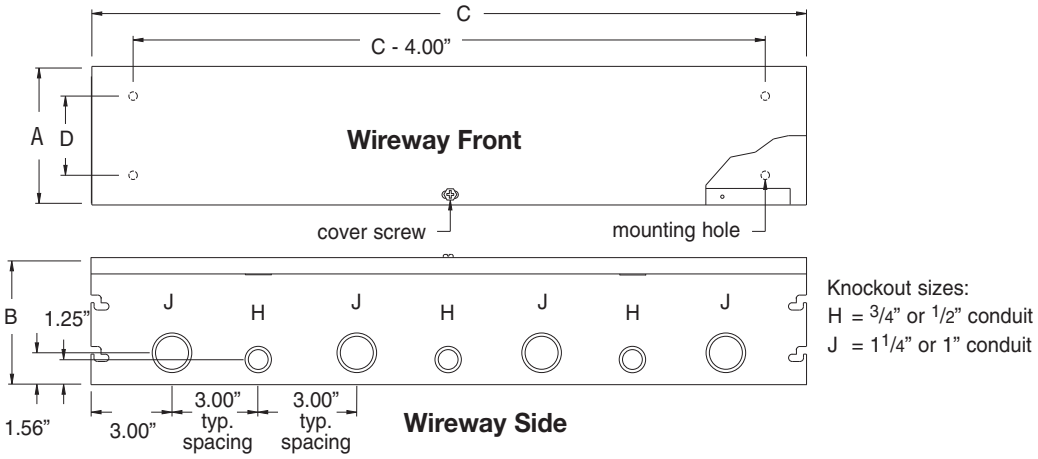
- Wireway body and cover are fabricated from code gauge steel, (see table)
- Wireway body has mounting holes on the back
- Wireway is available with or without knockouts on the top and bottom sides
- Wireway fittings have no knockouts, ends are available with or without knockouts
- Wireway exceeding 72 inches in length has two overlapping covers
- Variety of fittings allow runs which can change directions, junction and terminate
- Wireway connectors (sold separately) have a unique gate feature which can swing completely open allowing for lay-in of wire and cable
- Universal style connectors are also available for adapting to other manufacturer's wireway, (see table, page 22)
- Except for wireway ends, completely interchangeable with Type 1 screw cover wireway and fittings through use of the adapter style connector, (see page 22)

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 1 Quick-Connect Hinge Cover Wireway

Catalog Number

Wireway Catalog Number		Wireway Size Height x Depth x Length A x B x C		D			Knockout Quantity	
KO	No KO	in.	mm	in.	mm	Gauge	Top	Bottom
2212 HS	2212 HS NK	2.50x2.50x12.00	63x63x305	1.25	32	16	3	3
2224 HS	2224 HS NK	2.50x2.50x24.00	63x63x610	1.25	32	16	7	7
2236 HS	2236 HS NK	2.50x2.50x36.00	63x63x914	1.25	32	16	11	11
2248 HS	2248 HS NK	2.50x2.50x48.00	63x63x1219	1.25	32	16	15	15
2260 HS	2260 HS NK	2.50x2.50x60.00	63x63x1524	1.25	32	16	19	19
2272 HS	2272 HS NK	2.50x2.50x72.00	63x63x1829	1.25	32	16	23	23
22120 HS	22120 HS NK	2.50x2.50x120.00	63x63x3048	1.25	32	16	39	39
4412 HS	4412 HS NK	4.00x4.00x12.00	102x102x305	2.75	70	16	3	3
4424 HS	4424 HS NK	4.00x4.00x24.00	102x102x610	2.75	70	16	7	7
4436 HS	4436 HS NK	4.00x4.00x36.00	102x102x914	2.75	70	16	11	11
4448 HS	4448 HS NK	4.00x4.00x48.00	102x102x1219	2.75	70	16	15	15
4460 HS	4460 HS NK	4.00x4.00x60.00	102x102x1524	2.75	70	16	19	19
4472 HS	4472 HS NK	4.00x4.00x72.00	102x102x1829	2.75	70	16	23	23
44120 HS	44120 HS NK	4.00x4.00x120.00	102x102x3048	2.75	70	16	39	39
6612 HS	6612 HS NK	6.00x6.00x12.00	152x152x305	4.25	108	16	3	3
6624 HS	6624 HS NK	6.00x6.00x24.00	152x152x610	4.25	108	16	7	7
6636 HS	6636 HS NK	6.00x6.00x36.00	152x152x914	4.25	108	16	11	11
6648 HS	6648 HS NK	6.00x6.00x48.00	152x152x1219	4.25	108	16	15	15
6660 HS	6660 HS NK	6.00x6.00x60.00	152x152x1524	4.25	108	16	19	19
6672 HS	6672 HS NK	6.00x6.00x72.00	152x152x1829	4.25	108	16	23	23
66120 HS	66120 HS NK	6.00x6.00x120.00	152x152x3048	4.25	108	16	39	39
8812 HS	8812 HS NK	8.00x8.00x12.00	203x203x305	6.00	152	14	3	3
8824 HS	8824 HS NK	8.00x8.00x24.00	203x203x610	6.00	152	14	7	7
8836 HS	8836 HS NK	8.00x8.00x36.00	203x203x914	6.00	152	14	11	11
8848 HS	8848 HS NK	8.00x8.00x48.00	203x203x1219	6.00	152	14	15	15
8860 HS	8860 HS NK	8.00x8.00x60.00	203x203x1524	6.00	152	14	19	19
8872 HS	8872 HS NK	8.00x8.00x72.00	203x203x1829	6.00	152	14	23	23
88120 HS	88120 HS NK	8.00x8.00x120.00	203x203x3048	6.00	152	14	39	39
101012 HS	101012 HS NK	10.00x10.00x12.00	254x254x305	8.00	203	14	3	3
101024 HS	101024 HS NK	10.00x10.00x24.00	254x254x610	8.00	203	14	7	7
101036 HS	101036 HS NK	10.00x10.00x36.00	254x254x914	8.00	203	14	11	11
101048 HS	101048 HS NK	10.00x10.00x48.00	254x254x1219	8.00	203	14	15	15
101060 HS	101060 HS NK	10.00x10.00x60.00	254x254x1524	8.00	203	14	19	19
1010120 HS	1010120 HS NK	10.00x10.00x120.00	254x254x3048	8.00	203	14	39	39
121212 HS	121212 HS NK	12.00x12.00x12.00	305x305x305	10.00	254	14	3	3
121224 HS	121224 HS NK	12.00x12.00x24.00	305x305x610	10.00	254	14	7	7
121236 HS	121236 HS NK	12.00x12.00x36.00	305x305x914	10.00	254	14	11	11
121248 HS	121248 HS NK	12.00x12.00x48.00	305x305x1219	10.00	254	14	15	15
121260 HS	121260 HS NK	12.00x12.00x60.00	305x305x1524	10.00	254	14	19	19
1212120 HS	1212120 HS NK	12.00x12.00x120.00	305x305x3048	10.00	254	14	39	39



Notes: Additional mounting holes are furnished when C dimension is over 60.00" (1524 mm).
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Quick-Connect Hinge Cover Wireway

Catalog Number

Telescopic Fitting

Catalog Number	A		B1		B2		C	
	in.	mm	in.	mm	in.	mm	in.	mm
22 FTF	2.75	70	1.75	44	1.12	28	12.00	305
33FTF	3.25	83	2.25	57	1.12	28	12.00	305
44 FTF	4.25	108	3.25	83	1.12	28	12.00	305
66 FTF	6.25	159	5.25	133	1.12	28	12.00	305
88 FTF	8.25	210	7.25	184	1.12	28	12.00	305
1010 FTF	10.25	260	9.25	235	1.12	28	12.00	305
1212 FTF	12.25	311	11.25	286	1.12	28	12.00	305

Reducer

Catalog Number	A1		B1		A2		B2		C	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
2233 FR *	2.50	63	2.50	63	3.00	76	3.00	76	6.00	152
3344 FR *	3.00	76	3.00	76	4.00	102	4.00	102	8.00	203
4466 FR *	4.00	102	4.00	102	6.00	152	6.00	152	10.00	254
6688 FR *	6.00	152	6.00	152	8.00	203	8.00	203	12.00	305
881010 FR *	8.00	203	8.00	203	10.00	254	10.00	254	12.00	305
10101212 FR *	10.00	254	10.00	254	12.00	305	12.00	305	16.00	406

Connector

Catalog Number			A		B	
Connector Style	Adapter Style	Universal Style	in.	mm	in.	mm
22 HSC	22 HSCA	22 HSCU	2.50	63	2.50	63
44 HSC	44 HSCA	44 HSCU	4.00	102	4.00	102
66 HSC	66 HSCA	66 HSCU	6.00	152	6.00	152
88 HSC	88 HSCA	88 HSCU	8.00	203	8.00	203
1010 HSC	1010 HSCA	1010 HSCU	10.00	254	10.00	254
1212 HSC	1212 HSCA	1212 HSCU	12.00	305	12.00	305

End

Catalog Number		A		B		KO	
KO	No KO	in.	mm	in.	mm	in.	mm
22 HSE	22 HSE NK	2.50	63	2.50	63	1.50	38
44 HSE	44 HSE NK	4.00	102	4.00	102	1.50	38
66 HSE	66 HSE NK	6.00	152	6.00	152	1.50	38
88 HSE	88 HSE NK	8.00	203	8.00	203	1.50	38
1010 HSE	1010 HSE NK	10.00	254	10.00	254	3.00	76
1212 HSE	1212 HSE NK	12.00	305	12.00	305	3.00	76

Wireway End Flange

Catalog Number	A		B		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm
22 HSF	2.50	63	2.50	63	4.00	102	4.00	102
44 HSF	4.00	102	4.00	102	5.50	140	5.50	140
66 HSF	6.00	152	6.00	152	7.50	191	7.50	191
88 HSF	8.00	203	8.00	203	9.50	241	9.50	241
1010 HSF	10.00	254	10.00	254	11.50	292	11.50	292
1212 HSF	12.00	305	12.00	305	13.50	343	13.50	343

Wireway Hanger

Catalog Number	G		H		J		K	
	in.	mm	in.	mm	in.	mm	in.	mm
22 FH	8.50	216	8.50	216	6.50	165	2.87	73
44 FH	12.50	318	10.50	267	10.37	263	4.87	121
66 FH	16.50	419	14.50	394	13.50	340	5.87	146
88 FH	20.50	521	18.50	495	16.75	425	6.87	171
1010 FH **	24.50	622	22.50	571	17.25	438	7.87	200
1212 FH **	28.50	724	26.50	673	20.25	514	8.87	225

90° Elbow

Catalog Number	A		B		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm
22 HSL IN	2.50	63	2.50	63	5.38	136	5.38	136
44 HSL IN	4.00	102	4.00	102	6.00	152	6.00	152
66 HSL IN	6.00	152	6.00	152	7.00	178	7.00	178
88 HSL IN	8.00	203	8.00	203	8.00	203	8.00	203
1010 HSL IN	10.00	254	10.00	254	9.00	229	9.00	229
1212 HSL IN	12.00	305	12.00	305	10.00	254	10.00	254
22 HSL OUT	2.50	63	2.50	63	5.38	136	5.38	136
44 HSL OUT	4.00	102	4.00	102	6.00	152	6.00	152
66 HSL OUT	6.00	152	6.00	152	7.00	178	7.00	178
88 HSL OUT	8.00	203	8.00	203	8.00	203	8.00	203
1010 HSL OUT	10.00	254	10.00	254	9.00	229	9.00	229
1212 HSL OUT	12.00	305	12.00	305	10.00	254	10.00	254
22 HSL SIDE	2.50	63	2.50	63	5.38	136	5.38	136
44 HSL SIDE	4.00	102	4.00	102	6.00	152	6.00	152
66 HSL SIDE	6.00	152	6.00	152	7.00	178	7.00	178
88 HSL SIDE	8.00	203	8.00	203	8.00	203	8.00	203
1010 HSL SIDE	10.00	254	10.00	254	9.00	229	9.00	229
1212 HSL SIDE	12.00	305	12.00	305	10.00	254	10.00	254

45° Elbow

Catalog Number	A		B		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm
2245 HSL COMBO	2.50	63	2.50	63	1.72	43	1.72	43
4445 HSL COMBO	4.00	102	4.00	102	2.75	70	2.75	70
6645 HSL COMBO	6.00	152	6.00	152	3.18	81	3.18	81
8845 HSL COMBO	8.00	203	8.00	203	3.62	92	3.62	92
101045 HSL COMBO	10.00	254	10.00	254	4.06	103	4.06	103
121245 HSL COMBO	12.00	305	12.00	305	4.50	114	4.50	114
2245 HSL SIDE	2.50	63	2.50	63	1.72	43	1.72	43
4445 HSL SIDE	4.00	102	4.00	102	2.75	70	2.75	70
6645 HSL SIDE	6.00	152	6.00	152	3.18	81	3.18	81
8845 HSL SIDE	8.00	203	8.00	203	3.62	92	3.62	92
101045 HSL SIDE	10.00	254	10.00	254	4.06	103	4.06	103
121245 HSL SIDE	12.00	305	12.00	254	4.50	114	4.50	114

Tee

Catalog Number	A		B		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm
22 HST	2.50	63	2.50	63	4.25	108	4.25	108
44 HST	4.00	102	4.00	102	6.00	152	6.00	152
66 HST	6.00	152	6.00	152	7.00	178	7.00	178
88 HST	8.00	203	8.00	203	8.00	203	8.00	203
1010 HST	10.00	254	10.00	254	9.00	229	9.00	229
1212 HST	12.00	305	12.00	305	10.00	254	10.00	254

Cross

Catalog Number	A		B		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm
22 HSX	2.50	63	2.50	63	4.25	108	4.25	108
44 HSX	4.00	102	4.00	102	6.12	155	6.12	155
66 HSX	6.00	152	6.00	152	7.12	181	7.12	181
88 HSX	8.00	203	8.00	203	8.12	206	8.12	206
1010 HSX	10.00	254	10.00	254	9.12	232	9.12	232
1212 HSX	12.00	305	12.00	305	10.12	257	10.12	257

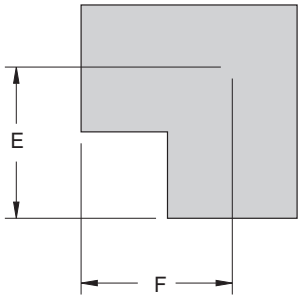
* Requires use of HSCA Adapter Style Connector.

**Hangers are shipped welded in the top cover assembly position.

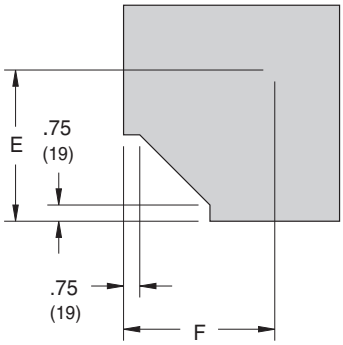
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Quick-Connect Hinge Cover Wireway

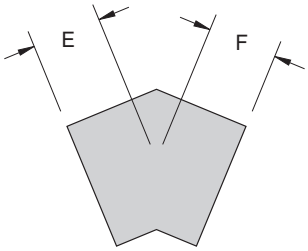
Illustration Sheet



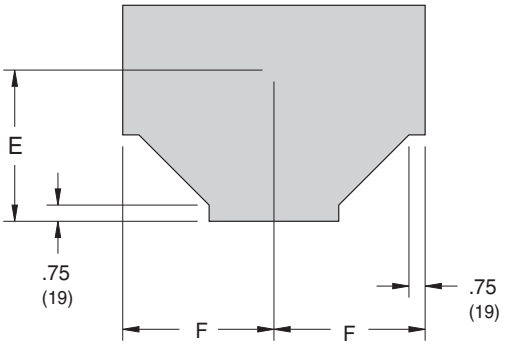
90° Elbow
(outside opening)



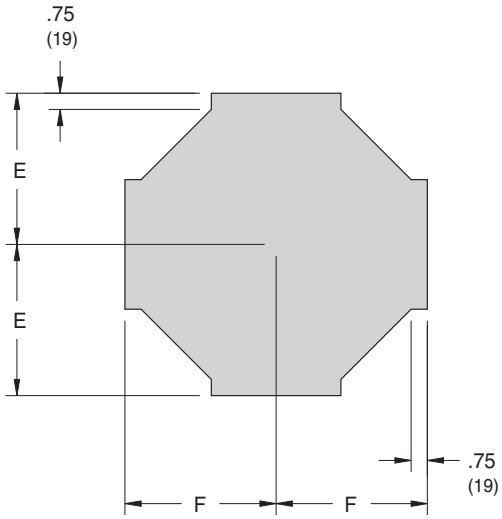
90° Elbow
(inside and side opening)



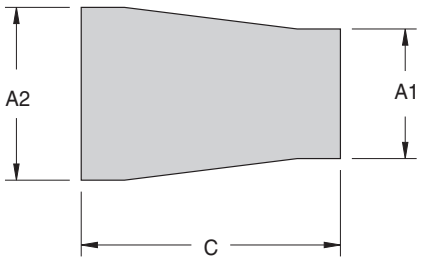
45° Elbow



Tee



Cross



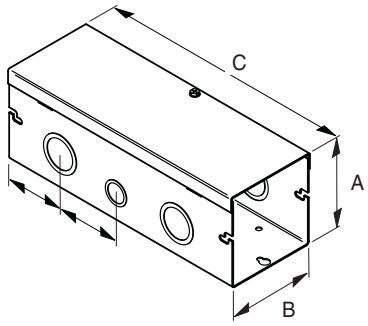
Reducer Fitting

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

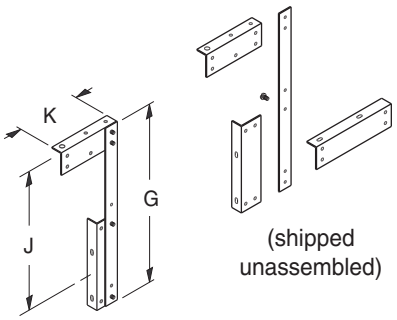
Type 1 Quick-Connect Hinge Cover Wireway

Illustration Sheet

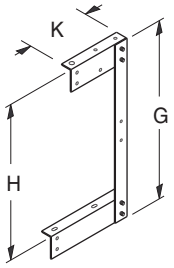
Wireway Hangers



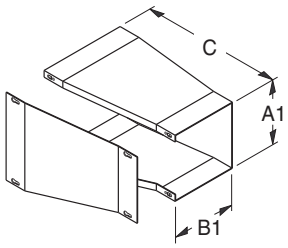
Wireway Section
Lengths from 12.00" (305 mm) to 120.00" (305 mm). Wireway exceeding 60.00" (1524 mm) has two covers. Shown with KO's, also available without.



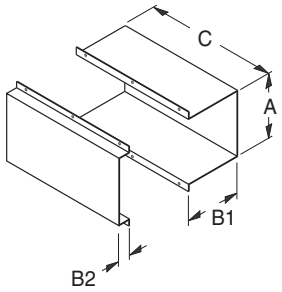
Side Cover Assembly
For those installations where the wireway cover must be hinged at the side.



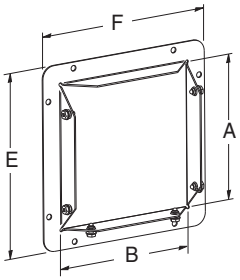
Top Cover Assembly
For those installations where the wireway cover must be hinged at the top.



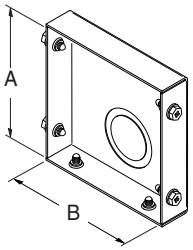
Reducer
A2 and B2 dimensions (see catalog table), correspond to the large end opening. Used to reduce or enlarge wireway runs. Removable cover is secured with screws.



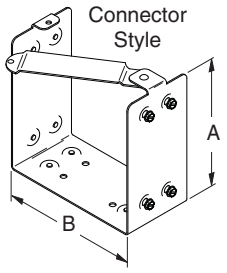
Telescopic Fitting
Adjustable length up to 10.00" (254 mm). Wraps around the two near joining wireway lengths to achieve a continuous run.

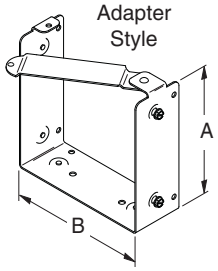


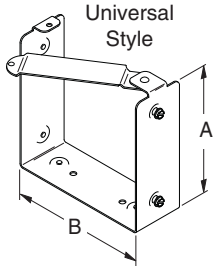
Wireway End Flange
Allows for a secure connection of wireway to an adjoining enclosure or wall.



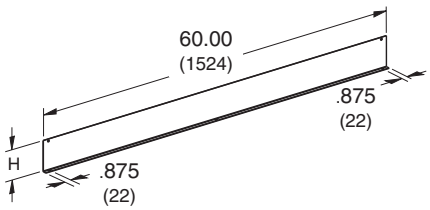
End
Used to terminate wireway or fitting. Shown with KO, also available without.







Connector
Swing gate allows for continuous runs of wire and cable.



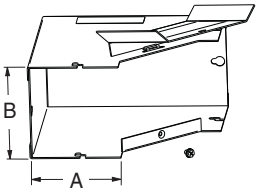
Barrier, Bolt-On
For those installations that require separated wiring compartments. See Type 1 Screw Cover Wireway for part number, page 16.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

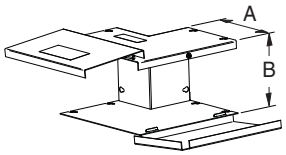
Type 1 Quick-Connect Hinge Cover Wireway

Illustration Sheet

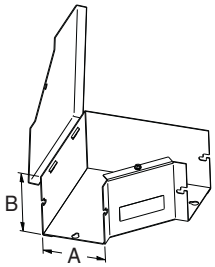
Wireway 90˚ Elbows



Inside Opening
Specifically designed to have only the inside cover hinge open to allow a continuous run with 90˚ turns.

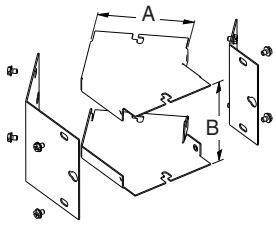


Outside Opening
Specifically designed to have the outside covers hinge open to allow a continuous run with 90˚ turns.

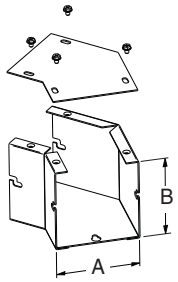


Side Opening
Side cover is hinged to allow a continuous run on designs with 90˚ sweeping turns.

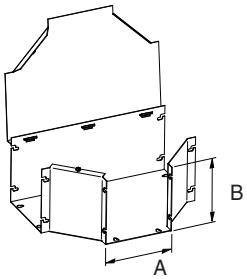
Wireway 45˚ Elbows



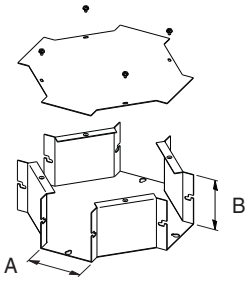
Combo Opening
Designed to achieve a 45˚ turn. Inside and outside removable covers are secured with screws.



Side Opening
Designed to achieve a 45˚ turn and have the cover removed from the side. Excellent for combining two to make a gradual 90˚ sweep.



Tee
Side hinge cover design for applications where a “T” junction is necessary.

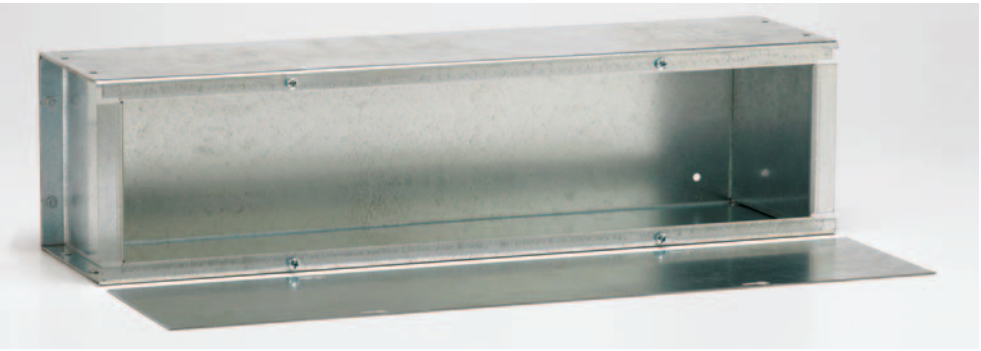


Cross
Side cover and broad body design to junction cable run in four directions. Removable cover is secured with screws.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Wiring Trough

Data Sheet



Application

- Used for indoor cable and wire junction, distribution, and termination applications where dirt, dust, oil, and water are not serious problems

Standards

- UL 870 listed, Type 1
- CSA C22.2 No. 26 certified, Type 1
- Conforms to NEMA standard for Type 1
- IEC 60529, IP30

Construction

- Covers and bodies are fabricated from code gauge galvanized steel (see page 27)
- Bodies have mounting holes on the back
- Cover is held secure to the body by plated screws
- Keyhole slots on the trough cover allow removal of cover without removing screws
- Shipped complete with permanently connected ends

Finish

- Galvanized Steel

Accessories

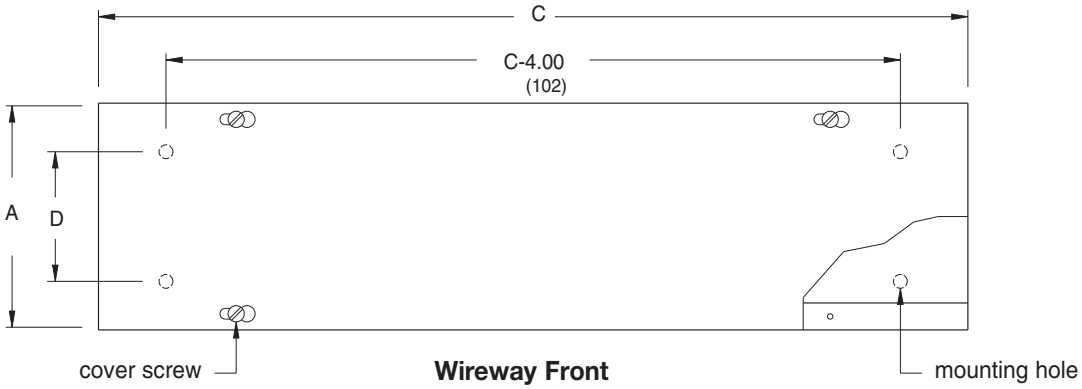
- See Accessories section

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

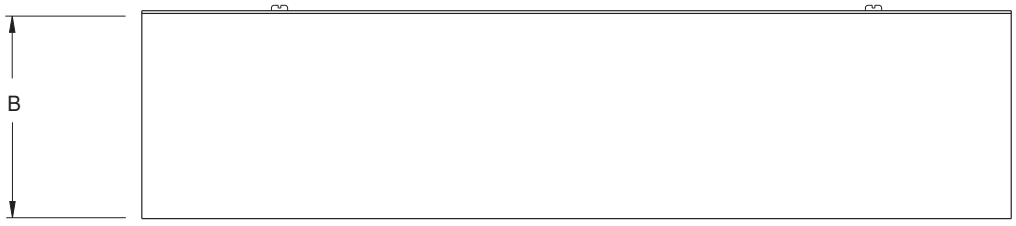
Type 1 Wiring Trough

Catalog Number

Catalog Number	Height x Depth x Length A x B x C		D		Gauge	
	in.	mm	in.	mm	in.	mm
4412 GTGV NK	4.00x4.00x12.00	102x102x305	2.75	69.8	16	1.4
4424 GTGV NK	4.00x4.00x24.00	102x102x610	2.75	69.8	16	1.4
4436 GTGV NK	4.00x4.00x36.00	102x102x914	2.75	69.8	16	1.4
4448 GTGV NK	4.00x4.00x48.00	102x102x1219	2.75	69.8	16	1.4
4460 GTGV NK	4.00x4.00x60.00	102x102x1524	2.75	69.8	16	1.4
4472 GTGV NK	4.00x4.00x72.00	102x102x1829	2.75	69.8	16	1.4
6612 GTGV NK	6.00x6.00x12.00	152x152305	4.25	107.9	16	1.4
6624 GTGV NK	6.00x6.00x24.00	152x152x610	4.25	107.9	16	1.4
6636 GTGV NK	6.00x6.00x36.00	152x152x914	4.25	107.9	16	1.4
6648 GTGV NK	6.00x6.00x48.00	152x152x1219	4.25	107.9	16	1.4
6660 GTGV NK	6.00x6.00x60.00	152x152x1524	4.25	107.9	16	1.4
6672 GTGV NK	6.00x6.00x72.00	152x152x1829	4.25	107.9	16	1.4
8824 GTGV NK	8.00x8.00x24.00	203x203x610	6.00	152.4	14	1.9
8836 GTGV NK	8.00x8.00x36.00	203x203x914	6.00	152.4	14	1.9
8848 GTGV NK	8.00x8.00x48.00	203x203x1219	6.00	152.4	14	1.9
8860 GTGV NK	8.00x8.00x60.00	203x203x1524	6.00	152.4	14	1.9
8872 GTGV NK	8.00x8.00x72.00	203x203x1829	6.00	152.4	14	1.9
101048 GTGV NK	10.00x10.00x48.00	254x254x1219	8.00	203.2	14	1.9
121224 GTGV NK	12.00x12.00x24.00	305x305x610	10.00	254.0	14	1.9
121236 GTGV NK	12.00x12.00x36.00	305x305x914	10.00	254.0	14	1.9
121248 GTGV NK	12.00x12.00x48.00	305x305x1219	10.00	254.0	14	1.9



Wireway Front

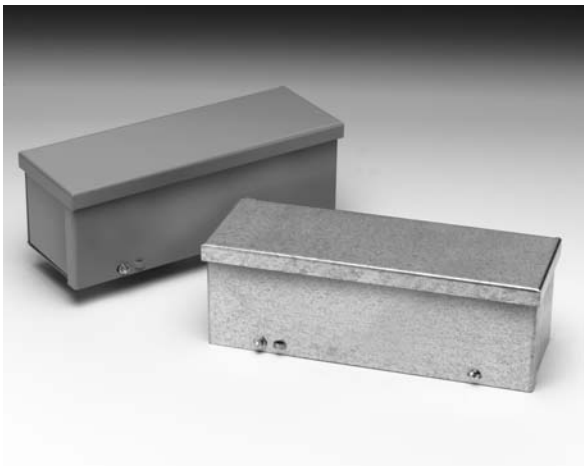


Wireway Side

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3R Screw Cover Wireway

Data Sheet



Application

- Houses runs of control and power cable
- Used for cable and wire junction, distribution and termination

Standards

- UL 870 listed, Type 3R
- CSA C22.2 No. 26 certified, Type 3R
- Conforms to NEMA standard for Type 3R
- IEC 60529, IP32

Construction

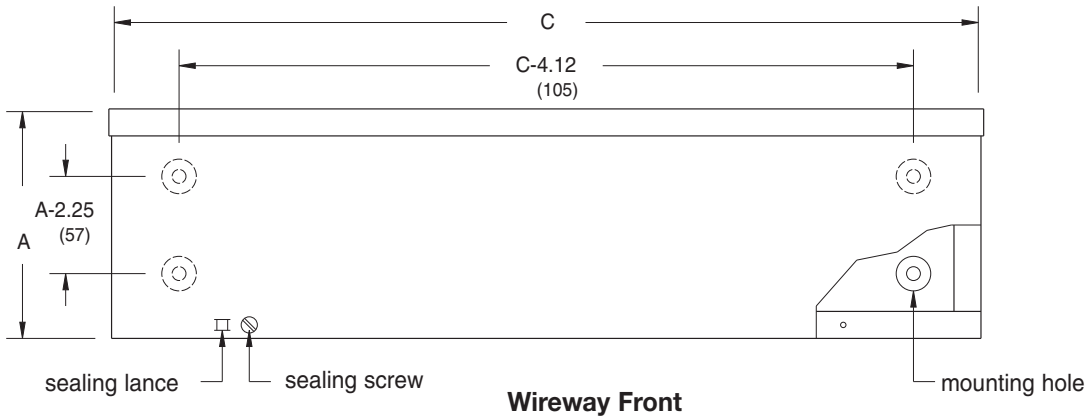
- Wireway body and cover are fabricated from (16) gauge galvaneal steel for painted or galvanized steel
- Wireway body has embossed mounting holes on the back
- Wireway is available with or without knockouts on the bottom end only, (see table)
- Cover is held secure by sliding it under the top end flange and fastening it with plated screws on the bottom end flange
- Sealing screws and lances are located at each end of the wireway cover
- Wireway exceeding 72 inches in length has two covers, a removable center channel and body supports

Finish

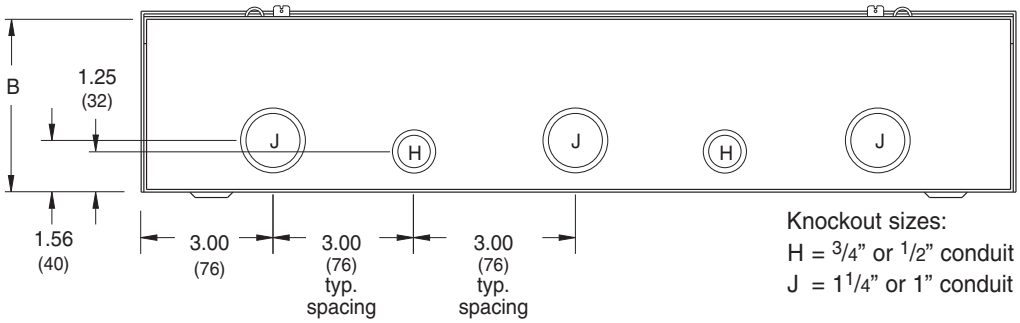
- Wash and phosphate undercoat or galvanized steel
- ANSI 61 gray acrylic electrocoat finish

Accessories

- Sealing devices
- Touch-up paint
- See Accessories section



Wireway Front



Wireway Bottom

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

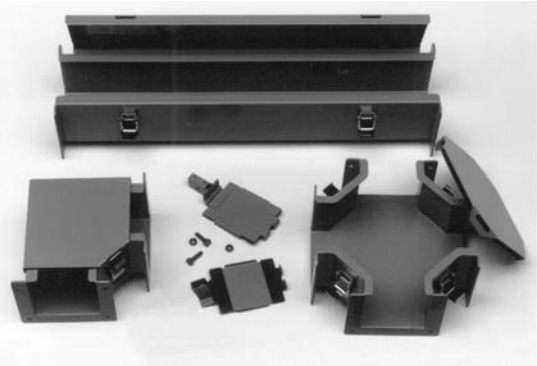
Type 3R Screw Cover Wireway
Catalog Number

Wireway Catalog Number				Wireway Size		Knockout Quantity
Painted		Galvanized		Height x Depth x Length		
				A x B x C		
KO	No KO	KO	No KO	in.	mm	Bottom
4412 GRT	4412 GRT NK	4412 GRTGV	4412 GRTGV NK	4.00x4.00x12.00	102x102x305	3
4418 GRT	4418 GRT NK	4418 GRTGV	4418 GRTGV NK	4.00x4.00x18.00	102x102x457	5
4424 GRT	4424 GRT NK	4424 GRTGV	4424 GRTGV NK	4.00x4.00x24.00	102x102x610	7
4436 GRT	4436 GRT NK	4436 GRTGV	4436 GRTGV NK	4.00x4.00x36.00	102x102x914	11
4448 GRT	4448 GRT NK	4448 GRTGV	4448 GRTGV NK	4.00x4.00x48.00	102x102x1219	15
4460 GRT	4460 GRT NK	4460 GRTGV	4460 GRTGV NK	4.00x4.00x60.00	102x102x1524	19
4472 GRT	4472 GRT NK	4472 GRTGV	4472 GRTGV NK	4.00x4.00x72.00	102x102x1829	23
4496 GRT	4496 GRT NK	4496 GRTGV	4496 GRTGV NK	4.00x4.00x96.00	102x102x2438	31
44120 GRT	44120 GRT NK	44120 GRTGV	44120 GRTGV NK	4.00x4.00x120.00	102x102x3048	35
6412 GRT	6412 GRT NK	6412 GRTGV	6412 GRTGV NK	6.00x4.00x12.00	152x102x305	3
6418 GRT	6418 GRT NK	6418 GRTGV	6418 GRTGV NK	6.00x4.00x18.00	152x102x457	5
6424 GRT	6424 GRT NK	6424 GRTGV	6424 GRTGV NK	6.00x4.00x24.00	152x102x610	7
6436 GRT	6436 GRT NK	6436 GRTGV	6436 GRTGV NK	6.00x4.00x36.00	152x102x914	11
6448 GRT	6448 GRT NK	6448 GRTGV	6448 GRTGV NK	6.00x4.00x48.00	152x102x1219	15
6460 GRT	6460 GRT NK	6460 GRTGV	6460 GRTGV NK	6.00x4.00x60.00	152x1021524	19
6472 GRT	6472 GRT NK	6472 GRTGV	6472 GRTGV NK	6.00x4.00x72.00	152x1021829	23
6612 GRT	6612 GRT NK	6612 GRTGV	6612 GRTGV NK	6.00x6.00x12.00	152x152305	3
6618 GRT	6618 GRT NK	6618 GRTGV	6618 GRTGV NK	6.00x6.00x18.00	152x152x457	5
6624 GRT	6624 GRT NK	6624 GRTGV	6624 GRTGV NK	6.00x6.00x24.00	152x152x610	7
6636 GRT	6636 GRT NK	6636 GRTGV	6636 GRTGV NK	6.00x6.00x36.00	152x152x914	11
6648 GRT	6648 GRT NK	6648 GRTGV	6648 GRTGV NK	6.00x6.00x48.00	152x152x1219	15
6660 GRT	6660 GRT NK	6660 GRTGV	6660 GRTGV NK	6.00x6.00x60.00	152x152x1524	19
6672 GRT	6672 GRT NK	6672 GRTGV	6672 GRTGV NK	6.00x6.00x72.00	152x152x1829	23
6696 GRT	6696 GRT NK	6696 GRTGV	6696 GRTGV NK	6.00x6.00x96.00	152x152x2438	31
66120 GRT	66120 GRT NK	66120 GRTGV	66120 GRTGV NK	6.00x6.00x120.00	152x152x3048	35
8812 GRT	8812 GRT NK	8812 GRTGV	8812 GRTGV NK	8.00x8.00x12.00	203x203x305	3
8818 GRT	8818 GRT NK	8818 GRTGV	8818 GRTGV NK	8.00x8.00x18.00	203x203x457	5
8824 GRT	8824 GRT NK	8824 GRTGV	8824 GRTGV NK	8.00x8.00x24.00	203x203x610	7
8836 GRT	8836 GRT NK	8836 GRTGV	8836 GRTGV NK	8.00x8.00x36.00	203x203x914	11
8848 GRT	8848 GRT NK	8848 GRTGV	8848 GRTGV NK	8.00x8.00x48.00	203x203x1219	15
8860 GRT	8860 GRT NK	8860 GRTGV	8860 GRTGV NK	8.00x8.00x60.00	203x203x1524	19
8872 GRT	8872 GRT NK	8872 GRTGV	8872 GRTGV NK	8.00x8.00x72.00	203x203x1829	23
-	8896 GRT NK	-	8896 GRTGV NK	8.00x8.00x96.00	203x203x2438	-
-	88120 GRT NK	-	88120 GRTGV NK	8.00x8.00x120.00	203x203x3048	-
-	101024 GRT NK	-	101024 GRTGV NK	10.00x10.00x24.00	254x254x610	-
-	101036 GRT NK	-	101036 GRTGV NK	10.00x10.00x36.00	254x254x914	-
-	101048 GRT NK	-	101048 GRTGV NK	10.00x10.00x48.00	254x254x1219	-
-	101060 GRT NK	-	101060 GRTGV NK	10.00x10.00x60.00	254x254x1524	-
-	101072 GRT NK	-	101072 GRTGV NK	10.00x10.00x72.00	254x254x1829	-
-	101096 GRT NK	-	101096 GRTGV NK	10.00x10.00x96.00	254x254x2438	-
-	1010120 GRT NK	-	1010120 GRTGV NK	10.00x10.00x120.00	254x254x3048	-
-	121224 GRT NK	-	121224 GRTGV NK	12.00x12.00x24.00	305x305x610	-
-	121236 GRT NK	-	121236 GRTGV NK	12.00x12.00x36.00	305x305x914	-
-	121248 GRT NK	-	121248 GRTGV NK	12.00x12.00x48.00	305x305x1219	-
-	121260 GRT NK	-	121260 GRTGV NK	12.00x12.00x60.00	305x305x1524	-
-	121272 GRT NK	-	121272 GRTGV NK	12.00x12.00x72.00	305x305x1829	-
-	121296 GRT NK	-	121296 GRTGV NK	12.00x12.00x96.00	305x305x2438	-
-	1212120 GRT NK	-	1212120 GRTGV NK	12.00x12.00x120.00	305x305x3048	-

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 12 Lay-In Wireway

Data Sheet



Application

- Houses runs of control and power cable
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 870 listed, unless noted (see table)
- CSA C22.2 No. 26 certified, unless noted (see table)
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP54

Accessories

- Touch-up paint
- See Accessories section

Construction

- Wireway body and cover are fabricated from (14) gauge steel
- Flanges are (10) gauge steel
- All continuous welded seams are finished smooth
- External and internal edges are rounded to prevent injury or damage to cable
- Covers are secured to the wireway and fitting body with heavy duty butt hinges and quick-release latches
- Covers have a fixed, oil-resistant gasket
- An oil-resistant gasket is provided for installation between flanges
- All covers and sealing plates can be hinged completely open or removed to allow for continuous “lay-in” cable feed
- All straight sections and fittings are furnished with sealing plate kits (see pages 33-37)

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Hardware and latches are zinc plated with a yellow chromate finish

Notes: Cooper B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

NEMA 12 Lay-In Wireway

Catalog Number

Description	B-Line Catalog Number				
	2.50 x 2.50 (64 x 64)	4.00 x 4.00 (102 x102)	6.00 x 6.00 (152 x 152)	8.00 x 8.00 (203 x 203)	12.00 x 6.00 (305 x 152)
4.00" Straight Section	2204-12LW	4404-12LW	6604-12LW	8804-12LW	12604-12LW
6.00" Straight Section	2206-12LW	4406-12LW	6606-12LW	8806-12LW	12606-12LW
12.00" Straight Section	2212-12LW	4412-12LW	6612-12LW	8812-12LW	12612-12LW
24.00" Straight Section	2224-12LW	4424-12LW	6624-12LW	8824-12LW	12624-12LW
36.00" Straight Section	2236-12LW	4436-12LW	6636-12LW	8836-12LW	12636-12LW
48.00" Straight Section	2248-12LW	4448-12LW	6648-12LW	8848-12LW	12648-12LW
60.00" Straight Section	2260-12LW	4460-12LW	6660-12LW	8860-12LW	12660-12LW
120.00" Straight Section	22120-12LW	44120-12LW	66120-12LW	88120-12LW	126120-12LW
12" Transposition Wireway, CW	22-12LTSC	44-12LTSC	66-12LTSC	88-12LTSC	-
12" Transposition Wireway, CCW	22-12LTSCC	44-12LTSCC	66-12LTSCC	88-12LTSCC	-
Telescopic Fitting, Lay-In	22-12LTF*	44-12LTF*	66-12LTF*	88-12LTF*	126-12LTF*
Cut-Off Fitting, Lay-In	22-12LCF	44-12LCF	66-12LCF	88-12LCF	126-12LCF
1" Nipple	22-12LN1	44-12LN1	66-12LN1	88-12LN1	126-12LN1
2" Nipple	22-12LN2	44-12LN2	66-12LN2	88-12LN2	126-12LN2
3" Nipple	22-12LN3	44-12LN3	66-12LN3	88-12LN3	126-12LN3
90˚ Elbow, Top Open	22-12LE9A	44-12LE9A	66-12LE9A	88-12LE9A	126-12LE9A
90˚ Elbow, Inside Open	22-12LE9B	44-12LE9B	66-12LE9B	88-12LE9B	126-12LE9B
90˚ Elbow, Outside Open	22-12LE9C	44-12LE9C	66-12LE9C	88-12LE9C	126-12LE9C
90˚ Elbow, Outside-Top Open	22-12LE9AC	44-12LE9AC	66-12LE9AC	88-12LE9AC	-
90˚ Transposition Elbow, CW	22-12LE9TC	44-12LE9TC	66-12LE9TC	88-12LE9TC	-
90˚ Transposition Elbow, CCW	22-12LE9TCC	44-12LE9TCC	66-12LE9TCC	88-12LE9TCC	-
45˚ Elbow, Top Open	22-12LE45A	44-12LE45A	66-12LE45A	88-12LE45A	126-12LE45A
45˚ Elbow, Inside Open	22-12LE45B	44-12LE45B	66-12LE45B	88-12LE45B	126-12LE45B
45˚ Elbow, Outside Open	22-12LE45C	44-12LE45C	66-12LE45C	88-12LE45C	126-12LE45C
15˚ Elbow, Top Open	22-12LE15A	44-12LE15A	66-12LE15A	88-12LE15A	126-12LE15A
Tee, Top Open	22-12LTA	44-12LTA	66-12LTA	88-12LTA	126-12LTA
Tee, Outside Open	22-12LTC	44-12LTC	66-12LTC	88-12LTC	-
Cross, Top Open	22-12LC	44-12LC	66-12LC	88-12LC	126-12LC
Reducer 4x4 - 2.5x2.5	-	4422-12LR	-	-	-
Reducer 6x6 - 4x4	-	-	6644-12LR	-	-
Reducer 8x8 - 6x6	-	-	-	8866-12LR	-
Reducer 12x6 - 4x4	-	-	-	-	12644-12LR
Reducer 12x6 - 6x6	-	-	-	-	12666-12LR
Sealing Plate	22-12LSP	44-12LSP	66-12LSP	88-12LSP	126-12LSP
Box Connector	22-12LBC	44-12LBC	66-12LBC	88-12LBC	126-12LBC
Closure Plate	22-12LCP	44-12LCP	66-12LCP	88-12LCP	126-12LCP
Hanger, Drop	22-12LDH	44-12LDH	66-12LDH	88-12LDH	-
Hanger, Bracket	22-12LBH	44-12LBH	66-12LBH	88-12LBH	-
Junction Box	22-12LJB	44-12LJB	66-12LJB	88-12LJB	-
Barrier Kit, 60" Bolt-On	22-12BK*	44-12BK*	66-12BK*	88-12BK*	66-12BK*
Adapter, Lay-In to Feed Through	-	44-12LAFW	66-12LAFW	88-12LAFW	-
Adapter, for Hoffman®1 or Wiegmann®2	22-12LAHW	44-12LAHW	66-12LAHW	88-12LAHW	126-12LAHW
Adapter, for Square D®3	22-12LASD	44-12LASD	66-12LASD	88-12LASD	1212-12LASD
Adapter, for Robroy®4 or Rittal®5	22-12LARR	44-12LARR	66-12LARR	88-12LARR	126-12LARR
Adapter, for Hammond Mfg.™6	22-12LAHM	44-12LAHM	66-12LAHM	88-12LAHM	126-12LAHM

* Not UL or CSA listed fitting.

All dimensions are in inches.

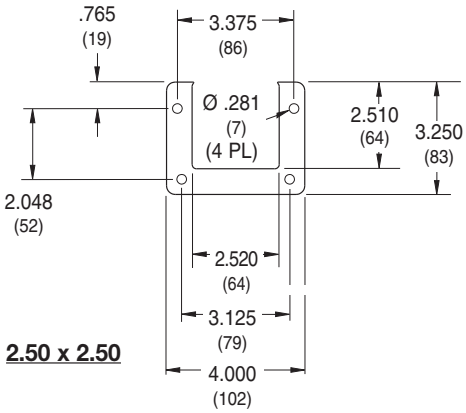
DISCONTINUED PARTS	REPLACEMENT PARTS
Cut-Off Fitting, Non Lay-In	Cut-Off Fitting, Lay-In
6" Nipple	6" Straight Section
Sealing Plate, 90˚ Angle	Sealing Plate

1. HOFFMAN® is the registered trademark of Hoffman Engineering Company, Anoka, Minnesota.
2. WIEGMANN® is the registered trademark of Hubbell Incorporated, Orange, Connecticut.
3. SQUARE D® is the registered trademark of Square D Company, Palatine, Illinois.
4. ROBROY® is the registered trademark of Robroy Industries, Verona, Pennsylvania.
5. RITTAL® is the registered trademark of Rittal Corporation, Springfield, Ohio.
6. HAMMOND MANUFACTURING™ is the trademark of Hammond Manufacturing Company, Limited, Guelph, Ontario Canada.

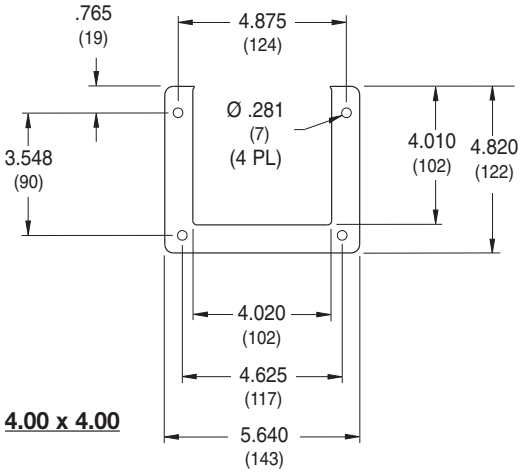
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 12 Lay-In Wireway

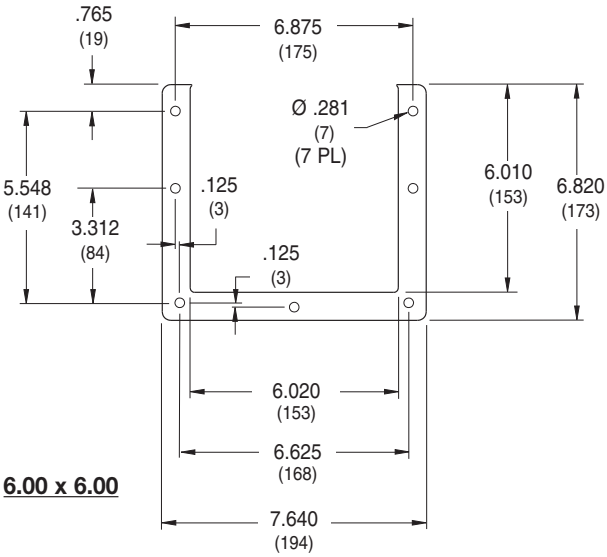
Illustration Sheet



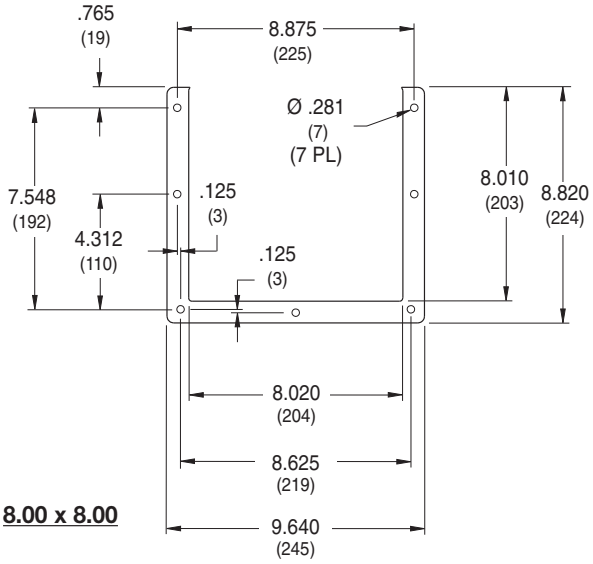
2.50 x 2.50



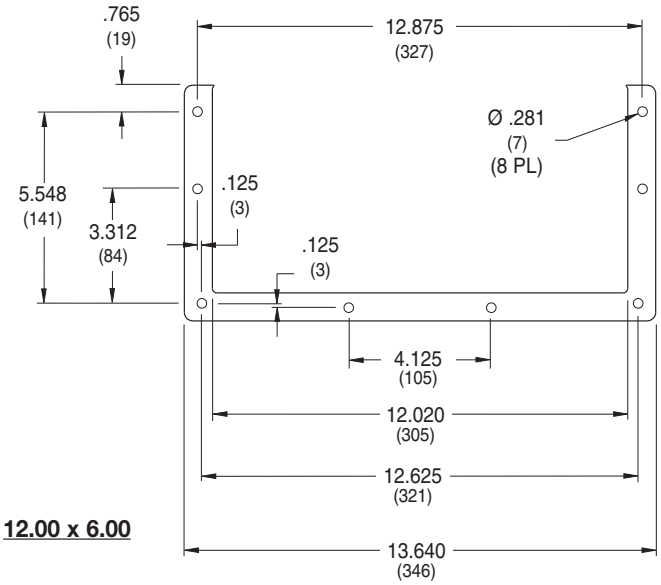
4.00 x 4.00



6.00 x 6.00



8.00 x 8.00

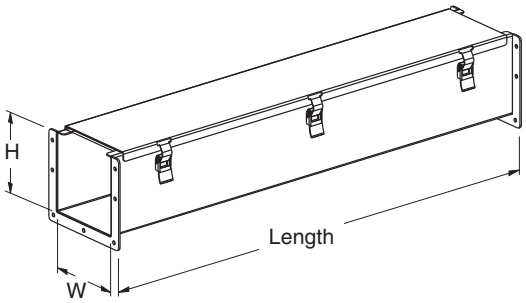


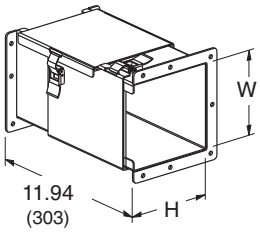
12.00 x 6.00

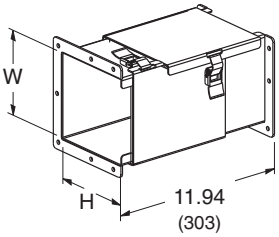
Flange Details

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 12 Lay-In Wireway
Illustration Sheet







Straight Section
• includes (1) sealing plate kit

Catalog Number	Size	H		W	
		in.	mm	in.	mm
22(*)-12LW	2.5x2.5	2.50	64	2.50	64
44(*)-12LW	4x4	4.00	102	4.00	102
66(*)-12LW	6x6	6.00	152	6.00	152
88(*)-12LW	8x8	8.00	203	8.00	203
126(*)-12LW	12x6	6.00	152	12.00	305

Length	
in.	mm
3.94	100
5.94	151
11.94	303
23.94	608
35.94	913
47.94	1218
59.94	1522
119.94	3046

(*) Insert for length **04**=3.94", **06**=5.94", **12**=11.94", **24**=23.94", **36**=35.94", **48**=47.94", **60**=59.94", **120**=119.94".

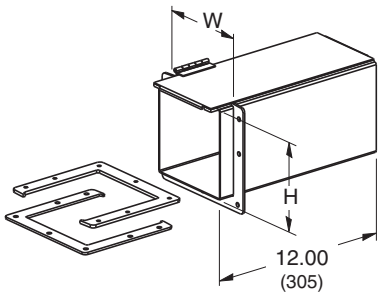
Transposition Wireway Sections

Clockwise (C)
• includes (1) sealing plate kit

Counterclockwise (CC)
• includes (1) sealing plate kit

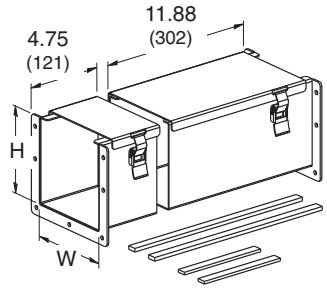
Catalog Number	Size	H		W	
		in.	mm	in.	mm
22-12LTS(*)	2.5x2.5	2.50	64	2.50	64
44-12LTS(*)	4x4	4.00	102	4.00	102
66-12LTS(*)	6x6	6.00	152	6.00	152
88-12LTS(*)	8x8	8.00	203	8.00	203

(*) Insert **C** for Clockwise
Insert **CC** for Counterclockwise



Telescopic Fitting, Lay-In
• adjustable length from 1" to 7"
• includes hardware
• no cutting or welding required

Catalog Number	Size	H		W	
		in.	mm	in.	mm
22-12LTF	2.5x2.5	2.32	59	2.32	59
44-12LTF	4x4	3.82	97	3.82	97
66-12LTF	6x6	5.82	148	5.82	148
88-12LTF	8x8	7.82	199	7.82	199
126-12LTF	12x6	5.82	148	11.82	300



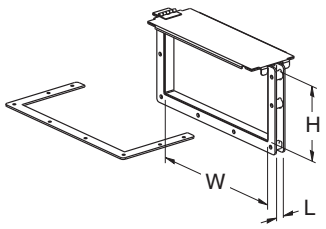
Cut-Off Fitting, Lay-In
• includes (1) sealing plate kit
• shorten body and cover to desired length and weld together, 9.50" minimum length

Catalog Number	Size	H		W	
		in.	mm	in.	mm
22-12LCF	2.5x2.5	2.50	64	2.50	64
44-12LCF	4x4	4.00	102	4.00	102
66-12LCF	6x6	6.00	152	6.00	152
88-12LCF	8x8	8.00	203	8.00	203
126-12LCF	12x6	6.00	152	12.00	305

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

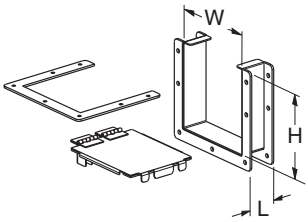
NEMA 12 Lay-In Wireway

Illustration Sheet



1” Nipple (LN1)

• includes hardware

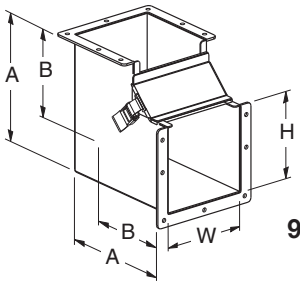


2” Nipple (LN2)
3” Nipple (LN3)

• includes hardware

Catalog Number	Size	H		W	
		in.	mm	in.	mm
22-12LN(*)	2.5x2.5	2.50	64	2.50	64
44-12LN(*)	4x4	4.00	102	4.00	102
66-12LN(*)	6x6	6.00	152	6.00	152
88-12LN(*)	8x8	8.00	203	8.00	203
126-12LN(*)	12x6	6.00	152	12.00	305

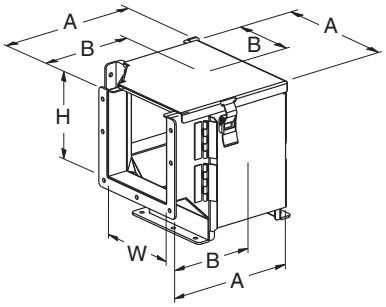
(*) Insert **1** for 1” nipple (L=.938”)
Insert **2** for 2” nipple (L=1.938”)
Insert **3** for 3” nipple (L=2.938”)



90˚ Elbow, Inside Opening

• includes (1) sealing plate kit

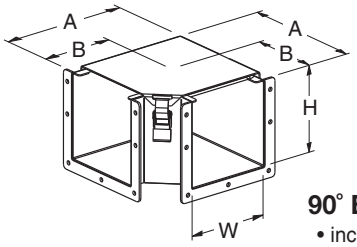
Catalog Number	Size	H		W		A		B	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LE9B	2.5x2.5	2.50	64	2.50	64	5.94	151	4.69	119
44-12LE9B	4x4	4.00	102	4.00	102	7.44	189	5.44	138
66-12LE9B	6x6	6.00	152	6.00	152	9.44	240	6.44	164
88-12LE9B	8x8	8.00	203	8.00	203	11.44	291	7.44	189
126-12LE9B	12x6	6.00	152	12.00	305	9.44	240	6.44	164



90˚ Elbow, Outside-Top Opening

• includes (2) sealing plate kits

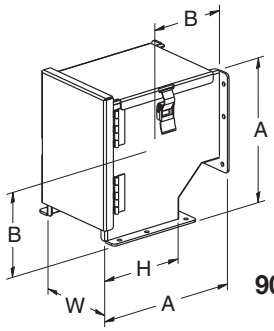
Catalog Number	Size	H		W		A		B	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LE9AC	2.5x2.5	2.50	64	2.50	64	5.94	151	4.69	119
44-12LE9AC	4x4	4.00	102	4.00	102	7.44	189	5.44	138
66-12LE9AC	6x6	6.00	152	6.00	152	9.44	240	6.44	164
88-12LE9AC	8x8	8.00	203	8.00	203	11.44	291	7.44	189



90˚ Elbow, Top Opening

• includes (1) sealing plate kit

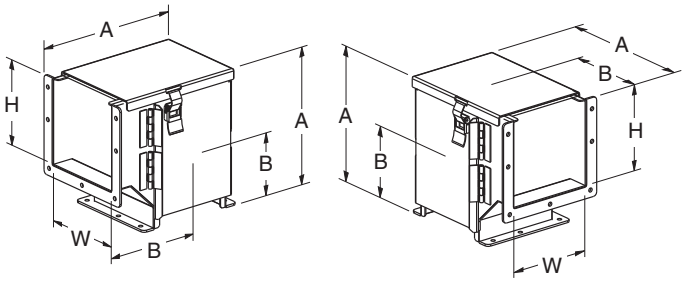
Catalog Number	Size	H		W		A		B	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LE9A	2.5x2.5	2.50	64	2.50	64	5.25	133	4.00	102
44-12LE9A	4x4	4.00	102	4.00	102	6.75	171	4.75	121
66-12LE9A	6x6	6.00	152	6.00	152	8.75	222	5.75	146
88-12LE9A	8x8	8.00	203	8.00	203	10.75	273	6.75	171
126-12LE9A	12x6	6.00	152	12.00	305	14.75	375	8.75	222



90˚ Elbow, Outside Opening

• includes (1) sealing plate kit

Catalog Number	Size	H		W		A		B	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LE9C	2.5x2.5	2.50	64	2.50	64	5.94	151	4.69	119
44-12LE9C	4x4	4.00	102	4.00	102	7.44	189	5.44	138
66-12LE9C	6x6	6.00	152	6.00	152	9.44	240	6.44	164
88-12LE9C	8x8	8.00	203	8.00	203	11.44	291	7.44	189
126-12LE9C	12x6	6.00	152	12.00	305	9.44	240	6.44	164



90˚ Transposition Elbows

Clockwise (C)

• includes (1) sealing plate kit

Counterclockwise (CC)

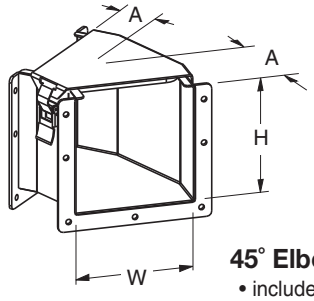
• includes (1) sealing plate kit

Catalog Number	Size	H		W		A		B	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LE9T(*)	2.5x2.5	2.50	64	2.50	64	5.94	151	4.69	119
44-12LE9T(*)	4x4	4.00	102	4.00	102	7.44	189	5.44	138
66-12LE9T(*)	6x6	6.00	152	6.00	152	9.44	240	6.44	164
88-12LE9T(*)	8x8	8.00	203	8.00	203	11.44	291	7.44	189

(*) Insert **C** for Clockwise, Insert **CC** for Counterclockwise

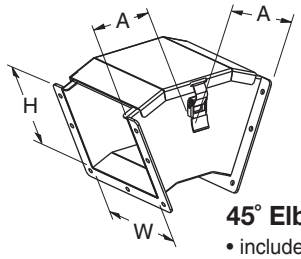
Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

NEMA 12 Lay-In Wireway
Illustration Sheet



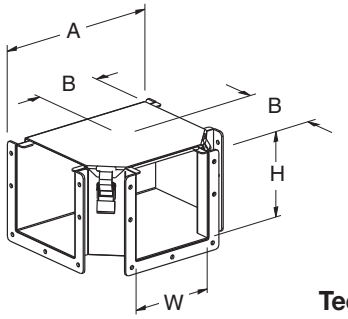
45° Elbow, Top Opening
• includes (1) sealing plate kit

Catalog Number	Size	H		W		A	
		in.	mm	in.	mm	in.	mm
22-12LE45A	2.5x2.5	2.50	64	2.50	64	3.12	79
44-12LE45A	4x4	4.00	102	4.00	102	3.70	94
66-12LE45A	6x6	6.00	152	6.00	152	4.46	113
88-12LE45A	8x8	8.00	203	8.00	203	5.23	133
126-12LE45A	12x6	6.00	152	12.00	305	6.76	172



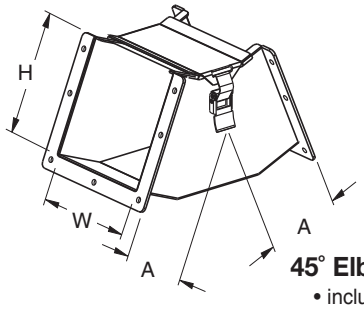
45° Elbow, Outside Opening
• includes (1) sealing plate kit

Catalog Number	Size	H		W		A	
		in.	mm	in.	mm	in.	mm
22-12LE45C	2.5x2.5	2.50	64	2.50	64	2.65	67
44-12LE45C	4x4	4.00	102	4.00	102	3.51	89
66-12LE45C	6x6	6.00	152	6.00	152	3.91	99
88-12LE45C	8x8	8.00	203	8.00	203	4.24	108
126-12LE45C	12x6	6.00	152	12.00	305	3.91	89



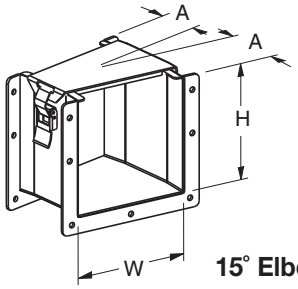
Tee, Top Opening
• includes (2) sealing plate kits

Catalog Number	Size	H		W		A		B	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LTA	2.5x2.5	2.50	64	2.50	64	8.00	203	4.00	102
44-12LTA	4x4	4.00	102	4.00	102	9.50	241	4.75	121
66-12LTA	6x6	6.00	152	6.00	152	11.50	292	5.75	146
88-12LTA	8x8	8.00	203	8.00	203	13.50	343	6.75	171
126-12LTA	12x6	6.00	152	12.00	305	17.50	445	8.75	222



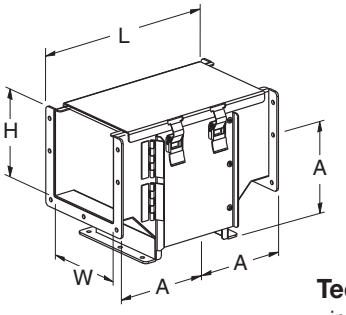
45° Elbow, Inside Opening
• includes (1) sealing plate kit

Catalog Number	Size	H		W		A	
		in.	mm	in.	mm	in.	mm
22-12LE45B	2.5x2.5	2.50	64	2.50	64	3.70	94
44-12LE45B	4x4	4.00	102	4.00	102	4.28	109
66-12LE45B	6x6	6.00	152	6.00	152	5.04	128
88-12LE45B	8x8	8.00	203	8.00	203	5.81	148
126-12LE45B	12x6	6.00	152	12.00	305	5.04	128



15° Elbow, Top Opening
• includes (1) sealing plate kit

Catalog Number	Size	H		W		A	
		in.	mm	in.	mm	in.	mm
22-12LE15A	2.5x2.5	2.50	64	2.50	64	2.57	65
44-12LE15A	4x4	4.00	102	4.00	102	2.77	70
66-12LE15A	6x6	6.00	152	6.00	152	3.03	77
88-12LE15A	8x8	8.00	203	8.00	203	3.29	84
126-12LE15A	12x6	6.00	152	12.00	305	3.81	97



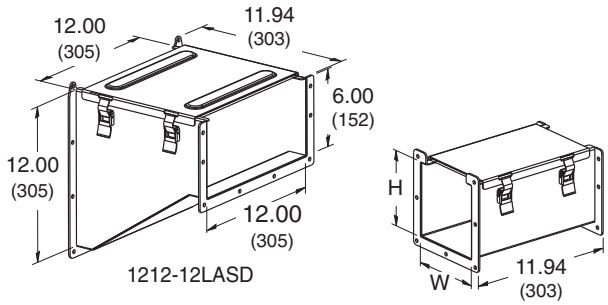
Tee, Outside Opening
• includes (2) sealing plate kits

Catalog Number	Size	H		W		A		L	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LTC	2.5x2.5	2.50	64	2.50	64	4.69	119	9.38	238
44-12LTC	4x4	4.00	102	4.00	102	5.44	138	10.88	264
66-12LTC	6x6	6.00	152	6.00	152	6.44	164	12.88	314
88-12LTC	8x8	8.00	203	8.00	203	7.44	189	14.88	365

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 12 Lay-In Wireway

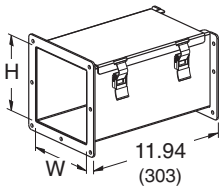
Illustration Sheet



Adapters

• includes (2) sealing plate kits

Catalog Number	Size	Competitor	H		W	
			in.	mm	in.	mm
22-12LAHW	2.5x2.5	Hoffman®[1] or Wiegmann®[2]	2.50	64	2.50	64
44-12LAHW	4x4		4.00	102	4.00	102
66-12LAHW	6x6		6.00	152	6.00	152
88-12LAHW	8x8		8.00	203	8.00	203
126-12LAHW	12x6		6.00	152	12.00	305
22-12LASD	2.5x2.5	Square D®[3]	2.50	64	2.50	64
44-12LASD	4x4		4.00	102	4.00	102
66-12LASD	6x6		6.00	152	6.00	152
88-12LASD	8x8		8.00	203	8.00	203
1212-12LASD	12x12-12x6		---	---	---	---
22-12LARR	2.5x2.5	Robroy®[4] or Rittal®[5]	2.50	64	2.50	64
44-12LARR	4x4		4.00	102	4.00	102
66-12LARR	6x6		6.00	152	6.00	152
88-12LARR	8x8		8.00	203	8.00	203
126-12LARR	12x6		6.00	152	12.00	305
22-12LAHM	2.5x2.5	Hammond Mfg.™[6]	2.50	64	2.50	64
44-12LAHM	4x4		4.00	102	4.00	102
66-12LAHM	6x6		6.00	152	6.00	152
88-12LAHM	8x8		8.00	203	8.00	203
126-12LAHM	12x6		6.00	152	12.00	305

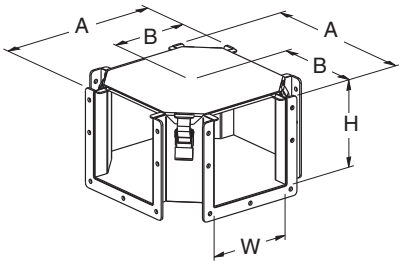


Lay-In to Feed Through Adapter

• includes (1) sealing plate kit and (1) gasket kit

Catalog Number	Size	H		W	
		in.	mm	in.	mm
44-12LAFW	4X4	4.00	102	4.00	102
66-12LAFW	6X6	6.00	152	6.00	152
88-12LAFW	8X8	8.00	203	8.00	203

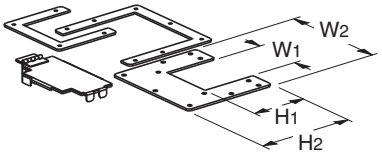
1. HOFFMAN® is the registered trademark of Hoffman Engineering Company, Anoka, Minnesota.
2. WIEGMANN® is the registered trademark of Hubbell Incorporated, Orange, Connecticut.
3. SQUARE D® is the registered trademark of Square D Company, Palatine, Illinois.
4. ROBROY® is the registered trademark of Robroy Industries, Verona, Pennsylvania.
5. RITTAL® is the registered trademark of Rittal Corporation, Springfield, Ohio.
6. HAMMOND MANUFACTURING™ is the trademark of Hammond Manufacturing Company, Limited, Guelph, Ontario Canada.



Cross, Top Opening

• includes (3) sealing plate kits

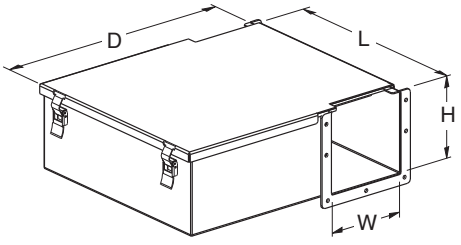
Catalog Number	Size	H		W		A		B	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LC	2.5x2.5	2.50	64	2.50	64	8.00	203	4.00	102
44-12LC	4x4	4.00	102	4.00	102	9.50	241	4.75	121
66-12LC	6x6	6.00	152	6.00	152	11.50	292	5.75	146
88-12LC	8x8	8.00	203	8.00	203	13.50	343	6.75	171
126-12LC	12x6	6.00	152	12.00	152	17.50	445	8.75	222



Reducer

• includes hardware

Catalog Number	Size	H1		H2		W1		W2	
		in.	mm	in.	mm	in.	mm	in.	mm
4422-12LR	4x4 to 2.5x2.5	2.44	62	4.82	122	2.38	60	5.64	143
6644-12LR	6x6 to 4x4	3.94	100	6.82	173	3.88	99	7.64	194
8866-12LR	8x8 to 6x6	5.94	151	8.82	224	5.88	149	9.64	245
12644-12LR	12x6 to 4x4	3.94	100	6.82	173	3.88	99	13.64	346
12666-12LR	12x6 to 6x6	5.94	151	6.82	173	5.88	149	13.64	346



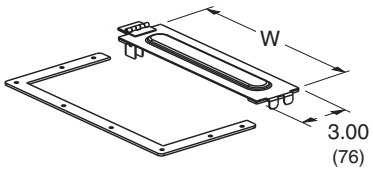
Junction Box

• includes (1) junction box sealing plate kit and (1) of the following removable panels:
22-12LJB = AW108P
44LJB = AW1210P
66LJB = AW1412P
88LJB = AW1614P

Catalog Number	Size	H		W		L		D	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LJB	2.5x2.5	2.50	64	2.50	64	11.59	294	10.25	260
44-12LJB	4x4	4.00	102	4.00	102	13.59	345	14.00	356
66-12LJB	6x6	6.00	152	6.00	152	15.59	396	18.00	457
88-12LJB	8x8	8.00	203	8.00	203	17.59	447	22.00	559

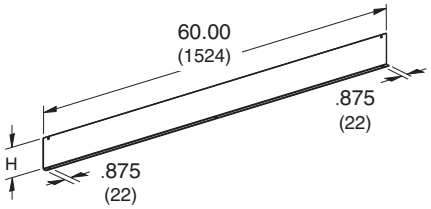
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 12 Lay-In Wireway
Illustration Sheet



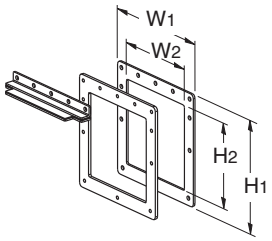
Sealing Plate, Flat
• includes hardware

Catalog Number	Size	W	
		in.	mm
22-12LSP	2.5x2.5	2.50	64
44-12LSP	4x4	4.00	102
66-12LSP	6x6	6.00	152
88-12LSP	8x8	8.00	203
126-12LSP	12x6	12.00	305



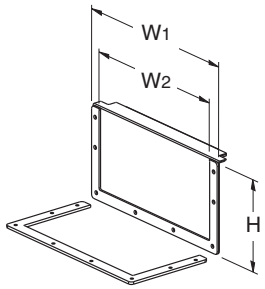
Barrier, Bolt-On
•includes hardware

Catalog Number	Size	H	
		in.	mm
22-12BK	2.5x2.5	1.88	48
44-12BK	4x4	3.00	76
66-12BK	6x6	4.50	114
88-12BK	8x8	6.00	152
66-12BK	12x6	4.50	114



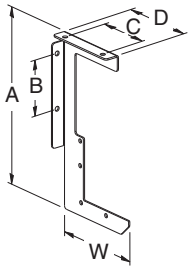
Box Connector
• includes hardware

Catalog Number	Size	H1		H2		W1		W2	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LBC	2.5x2.5	4.10	104	2.35	60	4.10	104	2.35	60
44-12LBC	4x4	5.74	146	3.85	72	5.74	146	3.85	72
66-12LBC	6x6	7.74	197	5.85	123	7.74	197	5.85	123
88-12LBC	8x8	9.74	247	7.85	174	9.74	247	7.85	174
126-12LBC	12x6	7.74	197	5.85	123	13.74	197	11.85	301



Closure Plate
• includes hardware

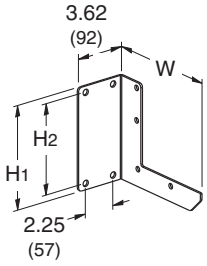
Catalog Number	Size	H		W1		W2	
		in.	mm	in.	mm	in.	mm
22-12LCP	2.5x2.5	2.50	64	4.00	102	2.50	64
44-12LCP	4x4	4.00	102	5.64	143	4.00	102
66-12LCP	6x6	6.00	152	7.64	194	6.00	152
88-12LCP	8x8	8.00	203	9.64	245	8.00	203
126-12LCP	12x6	6.00	152	13.64	346	12.00	305



Drop

Catalog Number	Size	W		A		B		C		D	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
22-12LDH	2.5x2.5	4.50	114	8.75	222	1.50	38	1.50	38	3.50	89
44-12LDH	4x4	6.00	152	11.75	298	3.00	76	3.00	76	5.00	127
66-12LDH	6x6	8.50	216	16.00	406	5.00	127	5.00	127	7.00	178
88-12LDH	8x8	10.50	267	20.00	508	7.00	178	7.00	178	9.00	229

Wireway Hangers
• includes wireway to bracket mounting hardware
• anchors not included



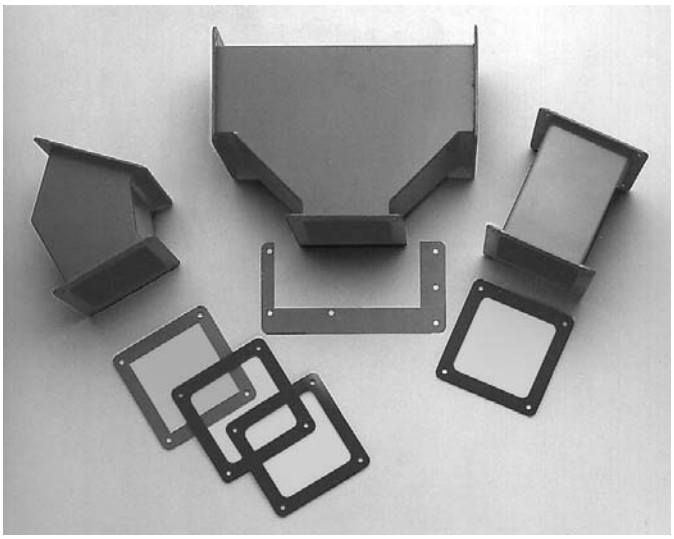
Bracket

Catalog Number	Size	H1		H2		W	
		in.	mm	in.	mm	in.	mm
22-12LBH	2.5x2.5	3.38	86	2.50	64	4.38	111
44-12LBH	4x4	4.88	124	4.00	102	5.88	149
66-12LBH	6x6	7.13	181	6.25	159	8.13	207
88-12LBH	8x8	9.13	232	8.25	210	10.13	257

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 12 Feed-Through Wireway

Data Sheet



Application

- Houses runs of control and power cable
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 870 listed, unless noted, (see table)
- CSA C22.2 No. 26 certified, unless noted, (see table)
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP54

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Hardware and latches are zinc plated with a yellow chromate finish

Construction

- Wireway body and cover are fabricated from (14) gauge steel
- Flanges are (10) gauge steel
- All continuous welded seams are finished smooth
- External and internal edges are rounded to prevent injury or damage to cable
- Covers are secured to the wireway body with heavy-duty hinges on one side and easy-to-operate screw clamps mounted to the opposite side
- Continuous flanged ends assure rigid connections of wireway and fittings
- Covers have a fixed, oil-resistant gasket
- An oil-resistant gasket is provided for installation between flanges

Accessories

- Touch-up paint
- See Accessories section

Notes: Cooper B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

NEMA 12 Feed-Through Wireway

Catalog Number

Description	Catalog Number		
	4.00 x 4.00 (102 x 102)	6.00 x 6.00 (152 x 152)	8.00 x 8.00 (203 x 203)
12" Wireway Section	**4412-12FW**	**6612-12FW**	**8812-12FW**
24" Wireway Section	**4424-12FW**	**6624-12FW**	**8824-12FW**
36" Wireway Section	**4436-12FW**	**6636-12FW**	**8836-12FW**
48" Wireway Section	**4448-12FW**	**6648-12FW**	**8848-12FW**
60" Wireway Section	**4460-12FW**	**6660-12FW**	**8860-12FW**
120" Wireway Section	**44120-12FW**	**66120-12FW**	**88120-12FW**
Telescopic Fitting	**44-12FTF***	**66-12FTF***	**88-12FTF***
Cut-Off Fitting	**44-12FCF**	**66-12FCF**	**88-12FCF**
1" Nipple	**44-12FN1**	**66-12FN1**	**88-12FN1**
2" Nipple	**44-12FN2**	**66-12FN2**	**88-12FN2**
3" Nipple	**44-12FN3**	**66-12FN3**	**88-12FN3**
6" Nipple	**44-12FN6**	**66-12FN6**	**88-12FN6**
90˚ Elbow	**44-12FE9**	**66-12FE9**	**88-12FE9**
45˚ Elbow	**44-12FE45**	**66-12FE45**	**88-12FE45**
Tee	**44-12FT**	**66-12FT**	**88-12FT**
Cross	**44-12FC**	**66-12FC**	**88-12FC**
Flexible Fitting	**44-12FFF ***	**66-12FFF ***	**88-12FFF ***
Reducer Center 6x6 - 4x4	-	**6644-12FRC**	-
Reducer Edge 6x6 - 4x4	-	**6644-12FRE**	-
Reducer Center 8x8 - 6x6	-	-	**8866-12FRC**
Reducer Edge 8x8 - 6x6	-	-	**8866-12FRE**
Gasket Kit	**44-12FGK**	**66-12FGK**	**88-12FGK**
Box Connector	**44-12FBC**	**66-12FBC**	**88-12FBC**
Closure Plate	**44-12FCP**	**66-12FCP**	**88-12FCP**
Hanger, Drop	**44-12DH**	**66-12DH**	**88-12DH**
Hanger, Bracket	**44-12BH**	**66-12BH**	**88-12BH**
Barrier Kit, 60" Bolt-On	**44-12BK***	**66-12BK***	**88-12BK***

* Not UL or CSA listed fitting

Dimensions

A		B		C		D		E		G		H	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
4.00	102	4.00	102	12,24,36,48,60,120	305,610,914,1219,1524,3048	5.50	140	5.50	140	12.00	305	6.00	152
6.00	152	6.00	152	12,24,36,48,60,120	305,610,914,1219,1524,3048	7.75	197	7.75	197	14.00	356	7.00	178
8.00	203	8.00	203	12,24,36,48,60,120	305,610,914,1219,1524,3048	9.75	248	9.75	248	16.00	406	8.00	203

Dimensions

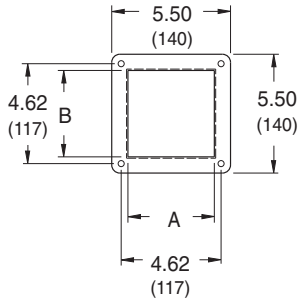
J		K		M		N		P		R		S		T		U	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
2.50	64	6.00	152	-	-	-	-	6.25	159	3.62	92	12.00	305	6.00	152	6.00	152
2.93	74	7.00	178	4.00	102	4.00	102	8.50	216	3.62	92	16.00	406	8.25	210	8.00	203
3.31	84	8.00	203	6.00	152	6.00	152	10.50	267	3.62	92	20.75	527	12.25	311	11.37	289

Note: H, J & K dimensions are from intersections of center lines. All dimensions are to inside surfaces. Allow .12" (3 mm) for flange gasket when joining pieces. Flange holes are .28" (7 mm) D. Flange radii are .37" (9 mm) R.

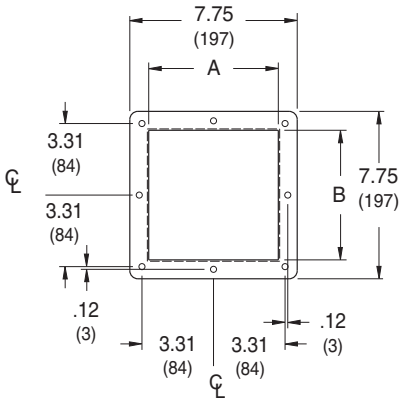
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 12 Feed-Through Wireway

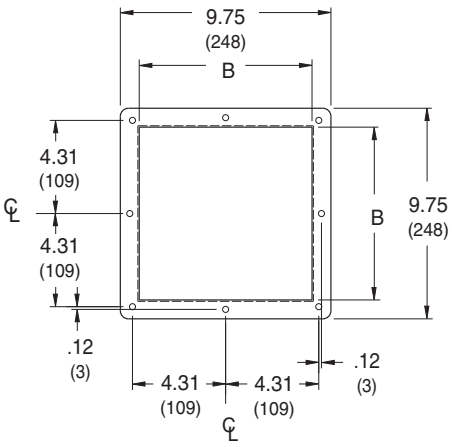
Illustration Sheet



4.00 x 4.00

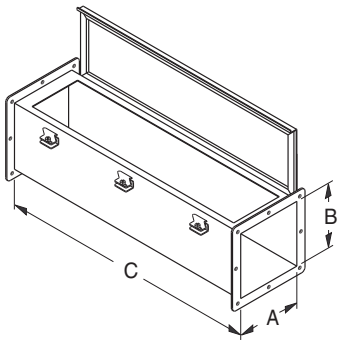


6.00 x 6.00

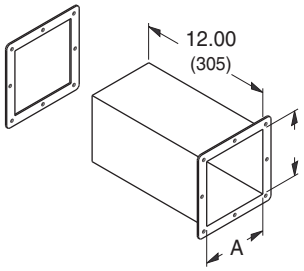


8.00 x 8.00

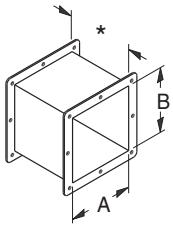
Flange Detail



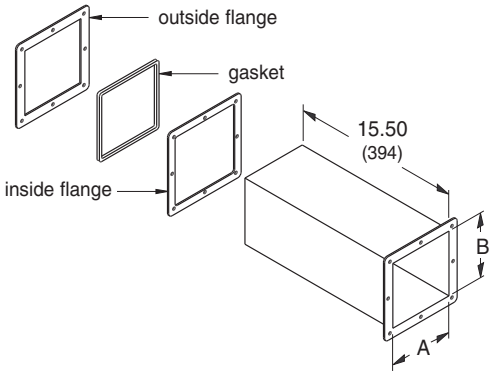
Wireway Section
- lengths from 12.00" (305 mm) to 120.00" (3048 mm)



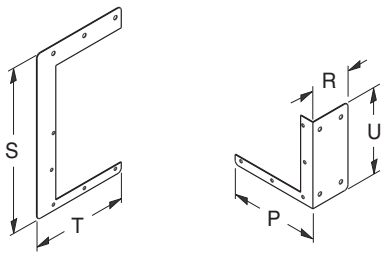
Cut-Off Fitting
- length up to 12.00" (305 mm)
- shorten to desired length and weld on flange



Nipple
* lengths from 1.00" (25 mm) to 6.00" (152 mm)



Telescopic Fitting
- adjustable lengths from 1.50" (38 mm) to 13.50" (343 mm)
- no cutting or welding required



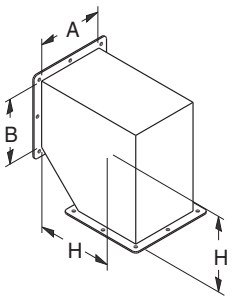
Wireway Hangers

Drop **Bracket**

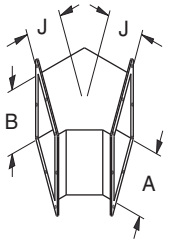
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 12 Feed-Through Wireway

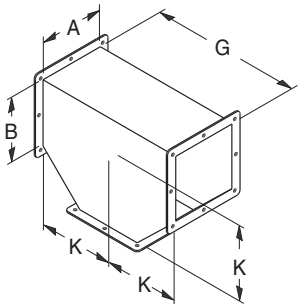
Illustration Sheet



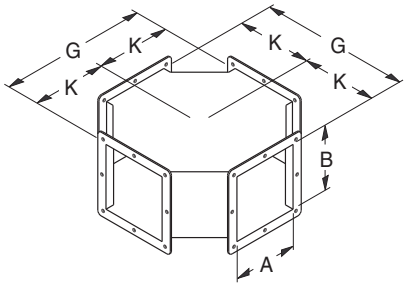
90˚ Elbow



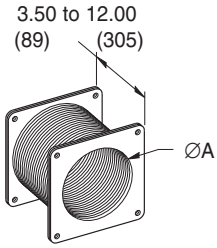
45˚ Elbow



Tee

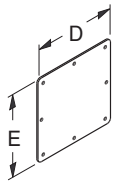


Cross

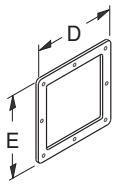


Flexible Fitting

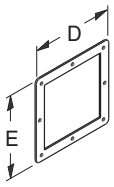
- isolates wireway from shock or vibration and compensates for misalignment. 90° maximum angle. Hypalon bellow with steel flanges.



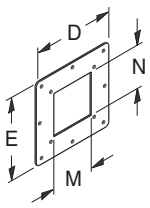
Closure Plate



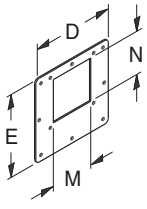
Box Connector



Gasket

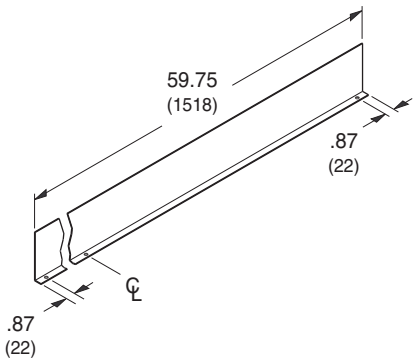


Center



Edge

Reducers

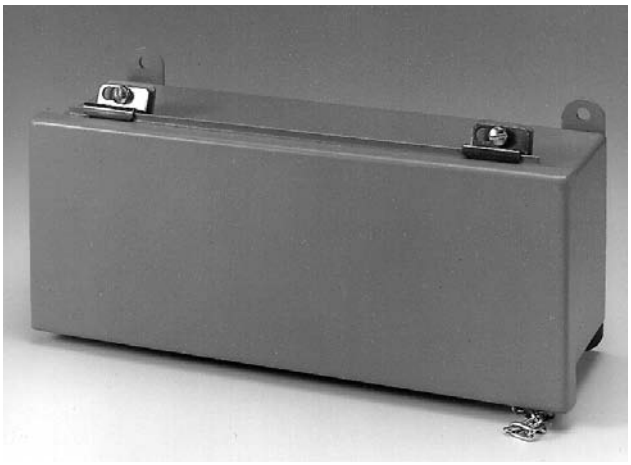


Barrier, Bolt-On

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 12 Lift-Off Cover Wiring Trough

Data Sheet



Application

- Houses runs of control and power cable
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 870 listed
- CSA C22.2 No. 26 certified
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP55

Construction

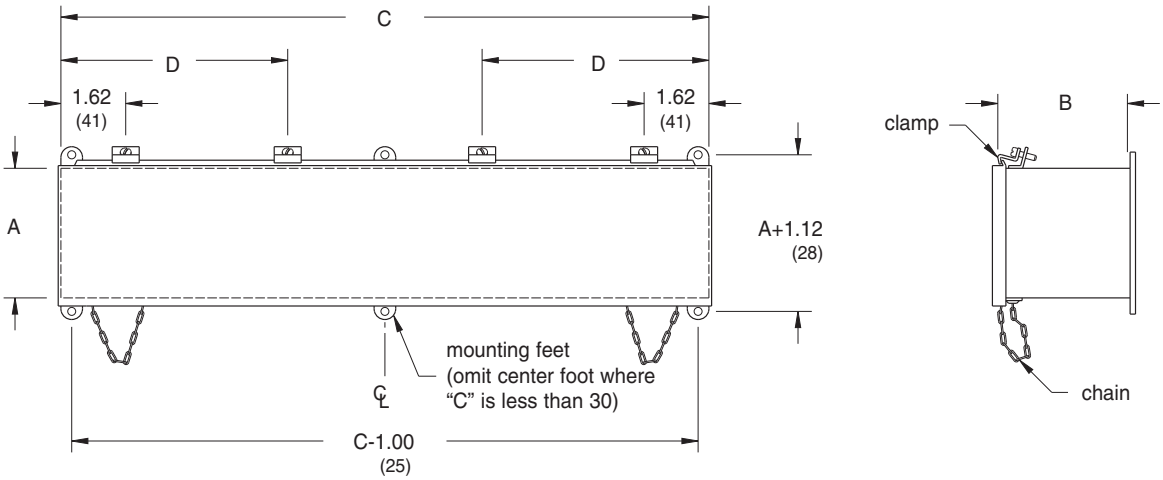
- Wireway body and cover are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the wireway body with semi-hinges on one side and easy-to-operate screw clamps mounted to the opposite side
- Two chains hold cover to the body when screw clamps are released
- Covers have a fixed, oil-resistant gasket
- External mounting feet are provided for wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Hardware and latches are zinc plated with a yellow chromate finish

Accessories

- Touch-up paint
- See Accessories section

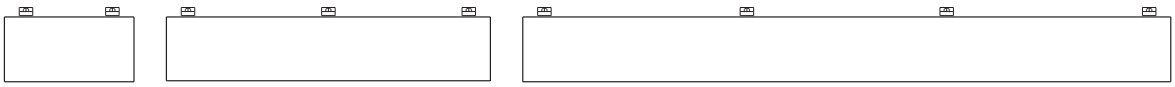


Notes: Cooper B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

NEMA 12 Lift-Off Cover Wiring Trough

Catalog Number

Trough Catalog Number	Trough Size Width x Depth x Length A x B x C in.	mm	D in.	mm
4412-12WT	4.00x4.00x12.00	102x102x305	-	-
4418-12WT	4.00x4.00x18.00	102x102x457	-	-
4424-12WT	4.00x4.00x24.00	102x102x610	-	-
4430-12WT	4.00x4.00x30.00	102x102x762	15.00	381
4436-12WT	4.00x4.00x36.00	102x102x914	18.00	457
4448-12WT	4.00x4.00x48.00	102x102x1219	24.00	610
4460-12WT	4.00x4.00x60.00	102x102x1524	20.25	514
4472-12WT	4.00x4.00x72.00	102x102x1829	24.25	616
6612-12WT	6.00x6.00x12.00	152x152x305	-	-
6618-12WT	6.00x6.00x18.00	152x152x457	-	-
6624-12WT	6.00x6.00x24.00	152x152x610	-	-
6636-12WT	6.00x6.00x36.00	152x152x914	18.00	457
6648-12WT	6.00x6.00x48.00	152x152x1219	24.00	610
6660-12WT	6.00x6.00x60.00	152x152x1524	20.25	514
6672-12WT	6.00x6.00x72.00	152x152x1829	24.25	616
8812-12WT	8.00x8.00x12.00	203x203x305	-	-
8824-12WT	8.00x8.00x24.00	203x203x610	-	-
8836-12WT	8.00x8.00x36.00	203x203x914	18.00	457
8848-12WT	8.00x8.00x48.00	203x203x1219	24.00	610
8860-12WT	8.00x8.00x60.00	203x203x1524	20.25	514
8872-12WT	8.00x8.00x72.00	203x203x1829	24.25	616



XX12-12WT
XX18-12WT
XX24-12WT

XX30-12WT
XX36-12WT
XX48-12WT

XX60-12WT
XX72-12WT

Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 4X Feed-Through Wireway

Data Sheet

Application

- Houses runs of control and power cables
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose-directed water

Standards

- UL 870 listed, unless noted, (see table)
- CSA C22.2 No. 26 certified, unless noted, (see table)
- Conforms to NEMA standard for Type 4X
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP55

Construction

- Wireway body and cover are fabricated from (14) gauge Type 304 stainless steel
- Flanges are (10) gauge stainless steel
- All continuous welded seams are finished smooth
- External and internal edges are rounded to prevent injury or damage to cable
- Covers are secured to the wireway body with heavy-duty hinges on one side and easy-to-operate screw clamps mounted to the opposite side
- Continuous flanged ends assure rigid connections of wireway and fittings
- Covers have a fixed, oil-resistant gasket
- An oil-resistant gasket is provided for installation between flanges

Finish

- Outer surface of wireway body and cover has a smooth brushed finish

Accessories

- Box connector
- Closure plate
- Barrier kit
- Bracket hanger
- Drop hanger

Notes: Cooper B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

NEMA 4X Feed-Through Wireway

Catalog Number

Description	Catalog Number	
	4.00 x 4.00 (102 x 102)	6.00 x 6.00 (152 x 152)
12" Wireway Section	4412-4XSFW	6612-4XSFW
24" Wireway Section	4424-4XSFW	6624-4XSFW
36" Wireway Section	4436-4XSFW	6636-4XSFW
48" Wireway Section	4448-4XSFW	6648-4XSFW
60" Wireway Section	4460-4XSFW	6660-4XSFW
120" Wireway Section	44120-4XSFW	66120-4XSFW
Telescopic Fitting	44-4XSFTF*	66-4XSFTF*
Cut-Off Fitting	44-4XSFCF	66-4XSFCF
1" Nipple	44-4XSFN1	66-4XSFN1
2" Nipple	44-4XSFN2	66-4XSFN2
3" Nipple	44-4XSFN3	66-4XSFN3
6" Nipple	44-4XSFN6	66-4XSFN6
90˚ Elbow	44-4XSFE9	66-4XSFE9
45˚ Elbow	44-4XSFE45	66-4XSFE45
Tee	44-4XSFT	66-4XSFT
Cross	44-4XSFC	66-4XSFC
Flexible Fitting	44-4XSFFF*	66-4XSFFF*
Reducer Center 6x6 - 4x4	-	6644-4XSFRC
Reducer Edge 6x6 - 4x4	-	6644-4XSFRE
Reducer Center 8x8 - 6x6	-	-
Reducer Edge 8x8 - 6x6	-	-
Gasket Kit	44-4XSFGK	66-4XSFGK
Box Connector	44-4XSFBC	66-4XSFBC
Closure Plate	44-4XSFCP	66-4XSFCP
Hanger, Drop	44-4XSDH	66-4XSDH
Hanger, Bracket	44-4XSBH	66-4XSBH
Barrier Kit, 60" Bolt-On	44-12BK*	66-12BK*

* Not UL or CSA listed fitting

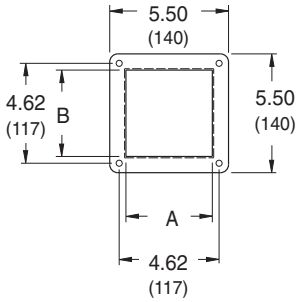
Dimensions													
A		B		C		D		E		G		H	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
4.00	102	4.00	102	12,24,36,48,60,120	305,610,914,1219,1524,3048	5.50	140	5.50	140	12.00	305	6.00	152
6.00	152	6.00	152	12,24,36,48,60,120	305,610,914,1219,1524,3048	7.75	197	7.75	197	14.00	356	7.00	178

Dimensions																	
J		K		M		N		P		R		S		T		U	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
2.50	64	6.00	152	-	-	-	-	6.25	159	3.62	92	12.00	305	6.00	152	6.00	152
2.93	74	7.00	178	4.00	102	4.00	102	8.50	216	3.62	92	16.00	406	8.25	210	8.00	203

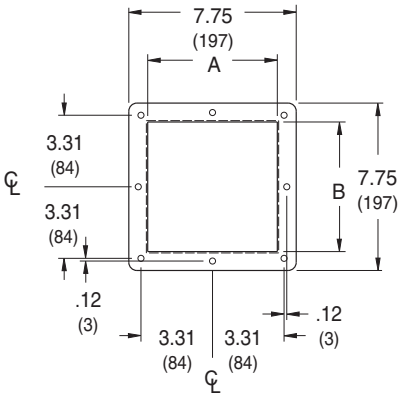
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 4X Feed-Through Wireway

Illustration Sheet

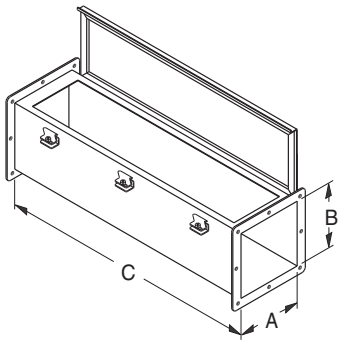


4.00 x 4.00

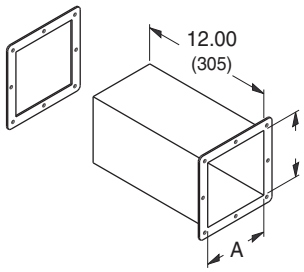


6.00 x 6.00

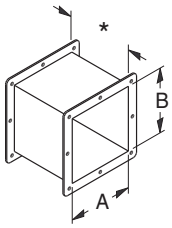
Flange Detail



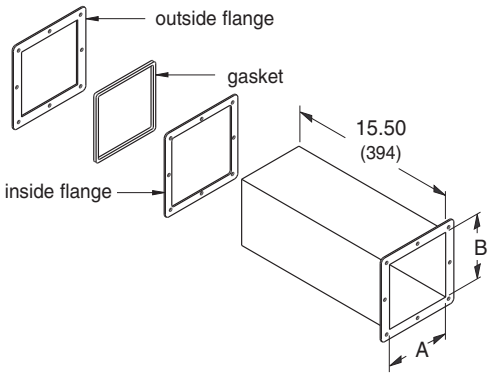
Wireway Section
- lengths from 12.00" (305 mm) to 120.00" (3048 mm)



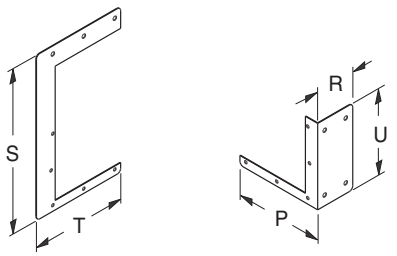
Cut-Off Fitting
- length up to 12.00" (305 mm)
- shorten to desired length and weld on flange



Nipple
* lengths from 1.00" (25 mm) to 6.00" (152 mm)



Telescopic Fitting
- adjustable lengths from 1.50" (38 mm) to 13.50" (343 mm)
- no cutting or welding required



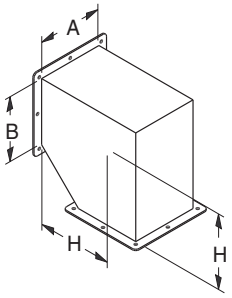
Wireway Hangers

Drop **Bracket**

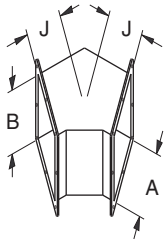
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 4X Feed-Through Wireway

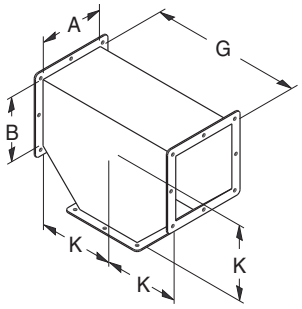
Illustration Sheet



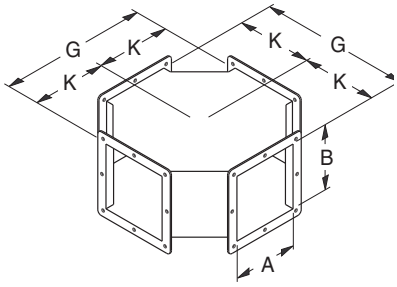
90˚ Elbow



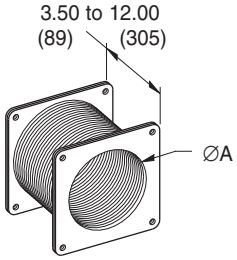
45˚ Elbow



Tee

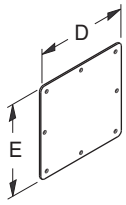


Cross

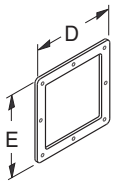


Flexible Fitting

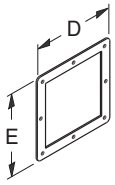
• isolates wireway from shock or vibration and compensates for misalignment. 90° maximum angle. Hypalon bellow with steel flanges.



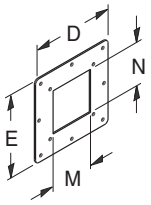
Closure Plate



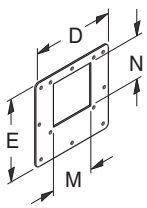
Box Connector



Gasket

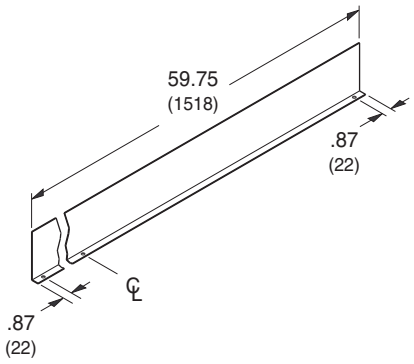


Center



Edge

Reducers



Barrier, Bolt-On

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 4X Lift-Off Cover Wiring Trough

Data Sheet

Application

- Houses runs of control and power cable
- Protects against corrosion, windblown dust and rain, splashing water and hose-directed water

Standards

- UL 870 listed
- CSA C22.2 No. 26 certified
- Conforms to NEMA standard for Type 4X
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP55

Construction

- Wireway body and cover are fabricated from (14) gauge Type 304 stainless steel
- All continuous welded seams are finished smooth
- Cover is secured to the wireway body with semi-hinges on one side and easy-to-operate screw clamps mounted to the opposite side
- Two chains hold cover to the body when screw clamps are released
- Covers have a fixed, oil-resistant gasket
- External mounting feet are provided for wall mounting

Finish

- Outer surface of wireway body and cover has a smooth brushed finish

Accessories

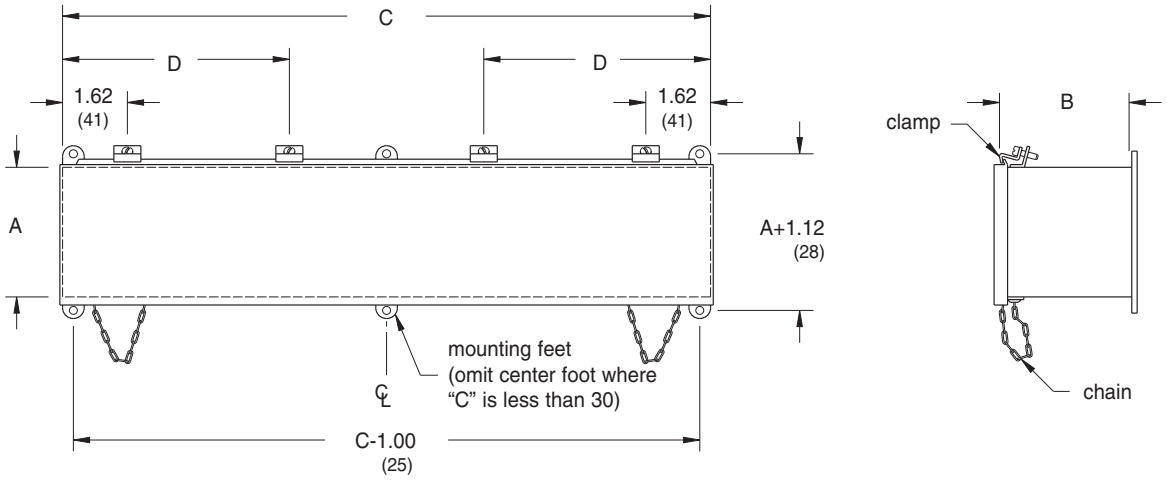
- Bracket hanger
- Drop hanger

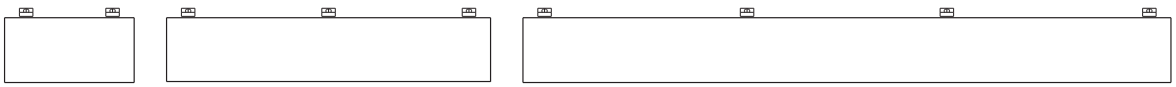
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

NEMA 4X Lift-Off Cover Wiring Trough

Data Sheet

Trough Catalog Number	Trough Size Width x Depth x Length A x B x C in.	mm	D in.	mm
4412-4XSWT	4.00x4.00x12.00	102x102x305	-	-
4418-4XSWT	4.00x4.00x18.00	102x102x457	-	-
4424-4XSWT	4.00x4.00x24.00	102x102x610	-	-
4430-4XSWT	4.00x4.00x30.00	102x102x762	15.00	381
4436-4XSWT	4.00x4.00x36.00	102x102x914	18.00	457
4448-4XSWT	4.00x4.00x48.00	102x102x1219	24.00	610
4460-4XSWT	4.00x4.00x60.00	102x102x1524	20.25	514
4472-4XSWT	4.00x4.00x72.00	102x102x1829	24.25	616
6612-4XSWT	6.00x6.00x12.00	152x152x305	-	-
6618-4XSWT	6.00x6.00x18.00	152x152x457	-	-
6624-4XSWT	6.00x6.00x24.00	152x152x610	-	-
6636-4XSWT	6.00x6.00x36.00	152x152x914	18.00	457
6648-4XSWT	6.00x6.00x48.00	152x152x1219	24.00	610
6660-4XSWT	6.00x6.00x60.00	152x152x1524	20.25	514
6672-4XSWT	6.00x6.00x72.00	152x152x1829	24.25	616





XX12-12WT
XX18-12WT
XX24-12WT

XX30-12WT
XX36-12WT
XX48-12WT

XX60-12WT
XX72-12WT

Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Wireway - Notes

Wireway - Notes

TYPE 1 ENCLOSURES

Screw Cover Enclosures 54
Small Panel Enclosures 58
Medium Panel Enclosures 60
Large Panel Enclosures 62
Type 1 Locking Enclosures with Perforated Panel 64
Hinge Cover Enclosures 66
Telephone Termination Cabinets 68
Spare Fuse Cabinets 71

Type 1 Screw Cover Enclosures - Painted & Galvanized

Data Sheet

Application

- Used as wiring boxes, junction and pull boxes
- Protects against contact with enclosed equipment

Construction

- Enclosure and cover are fabricated from code gauge steel or galvanized steel, (see table)
- Enclosure body has mounting holes on the back
- Enclosures are available with or without knockouts on the sides, top and bottom ends
- Cover is secured to the body with plated hex head combo screws
- Keyhole slots provided in the cover allow easy access to the inside without removing the screws
- #10-32 tapped hole provision for optional ground lug kit

Finish

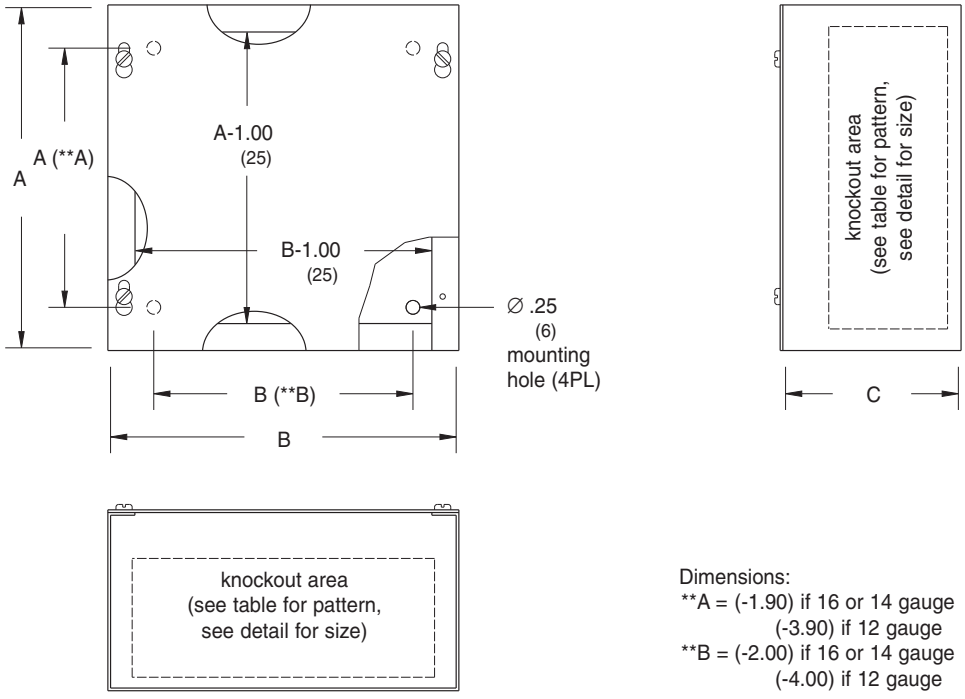
- Wash and phosphate undercoat or galvanized steel
- ANSI 61 gray acrylic electrocoat finish

Standards

- UL 50 listed, Type 1
- CSA C22.2 No. 40 certified, Type 1
- Conforms to NEMA standard for Type 1
- IEC 60529, IP30

Accessories

- Ground lug kit
- Touch-up paint
- See Accessories section



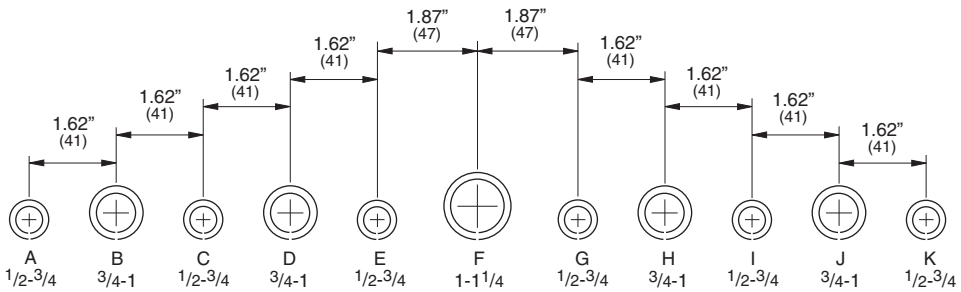
Dimensions:
**A = (-1.90) if 16 or 14 gauge
(-3.90) if 12 gauge
**B = (-2.00) if 16 or 14 gauge
(-4.00) if 12 gauge

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 1 Screw Cover Enclosures - Painted & Galvanized

Catalog Number

Enclosure Catalog Number				Enclosure Size Height x Width x Depth A x B x C			Knockout Pattern	Knockout Pattern
Painted		Galvanized						
KO	No KO	KO	No KO	in.	mm	Gauge	Each Side	Top & Bottom
663 SC	663 SC NK	663 SCGV	663 SCGV NK	6.00x6.00x3.00	152x152x76	16	C D E	C D E
444 SC	444 SC NK	444 SCGV	444 SCGV NK	4.00x4.00x4.00	102x102x102	16	C D	C D
644 SC	644 SC NK	644 SCGV	644 SCGV NK	6.00x4.00x4.00	152x102x102	16	C D E	C D
664 SC	664 SC NK	664 SCGV	664 SCGV NK	6.00x6.00x4.00	152x152x102	16	C D E	C D E
864 SC	864 SC NK	864 SCGV	864 SCGV NK	8.00x6.00x4.00	203x152x102	16	G H I J	C D E
884 SC	884 SC NK	884 SCGV	884 SCGV NK	8.00x8.00x4.00	203x203x102	16	G H I J	G H I J
1084 SC	1084 SC NK	1084 SCGV	1084 SCGV NK	10.00x8.00x4.00	254x203x102	16	G H I J	G H I J
10104 SC	10104 SC NK	10104 SCGV	10104 SCGV NK	10.00x10.00x4.00	254x254x102	16	G H I J	G H I J
1264 SC	1264 SC NK	1264 SCGV	1264 SCGV NK	12.00x6.00x4.00	305x152x102	16	D E F G H	C D E
1284 SC	1284 SC NK	1284 SCGV	1284 SCGV NK	12.00x8.00x4.00	305x203x102	16	D E F G H	G H I J
12104 SC	12104 SC NK	12104 SCGV	12104 SCGV NK	12.00x10.00x4.00	305x254x102	16	D E F G H	D E F G H
12124 SC	12124 SC NK	12124 SCGV	12124 SCGV NK	12.00x12.00x4.00	305x305x102	16	D E F G H	D E F G H
15124 SC	15124 SC NK	15124 SCGV	15124 SCGV NK	15.00x12.004.00	381x305x102	16	C D E F G H I	D E F G H
15154 SC	15154 SC NK	15154 SCGV	15154 SCGV NK	15.00x15.00x4.00	381x381x102	16	C D E F G H I	C D E F G H I
16124 SC	16124 SC NK	16124 SCGV	16124 SCGV NK	16.00x12.00x4.00	406x305x102	16	C D E F G H I	D E F G H
16164 SC	16164 SC NK	16164 SCGV	16164 SCGV NK	16.00x16.00x4.00	406x406x102	16	C D E F G H I	C D E F G H I
18124 SC	18124 SC NK	18124 SCGV	18124 SCGV NK	18.00x12.00x4.00	457x305x102	16	B C D E F G H I J	D E F G H
18154 SC	18154 SC NK	18154 SCGV	18154 SCGV NK	18.00x15.00x4.00	457x381x102	16	B C D E F G H I J	C D E F G H I
18184 SC	18184 SC NK	18184 SCGV	18184 SCGV NK	18.00x18.00x4.00	457x457x102	16	B C D E F G H I J	B C D E F G H I J
24124 SC	24124 SC NK	24124 SCGV	24124 SCGV NK	24.00x12.00x4.00	610x305x102	16	B C D E F G H I J	D E F G H
24184 SC	24184 SC NK	24184 SCGV	24184 SCGV NK	24.00x18.00x4.00	610x457x102	16	B C D E F G H I J	B C D E F G H I J
24244 SC	24244 SC NK	24244 SCGV	24244 SCGV NK	24.00x24.00x4.00	610x610x102	14	B C D E F G H I J	B C D E F G H I J
30184 SC	30184 SC NK	30184 SCGV	30184 SCGV NK	30.00x18.00x4.00	762x457x102	16	B C D E F G H I J	B C D E F G H I J
30244 SC	30244 SC NK	30244 SCGV	30244 SCGV NK	30.00x24.00x4.00	762x610x102	14	B C D E F G H I J	B C D E F G H I J
36244 SC	36244 SC NK	36244 SCGV	36244 SCGV NK	36.00x24.00x4.00	914x762x102	14	B C D E F G H I J	B C D E F G H I J
-	30304 SC NK	-	30304 SCGV NK	30.00x30.00x4.00	762x762x102	12	-	-
-	36304 SC NK	-	36304 SCGV NK	36.00x30.00x4.00	914x762x102	12	-	-
-	36364 SC NK	-	36364 SCGV NK	36.00x36.00x4.00	914x914x102	12	-	-
-	48364 SC NK	-	48364 SCGV NK	48.00x36.00x4.00	1219x914x102	12	-	-
-	48484 SC NK	-	48484 SCGV NK	48.00x48.00x4.00	1219x1219x102	10	-	-



Conduit Sizes

Knockout Detail

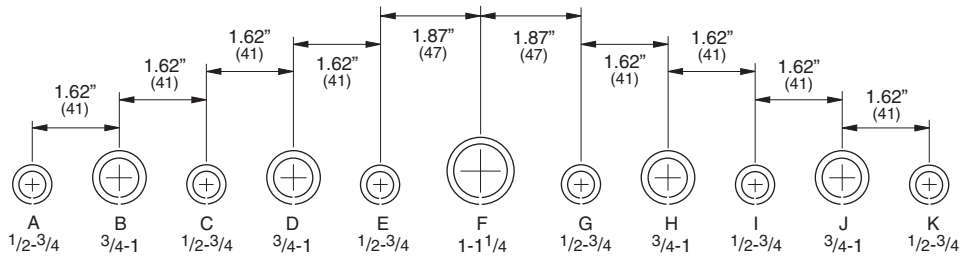
Note: See table for applicable knockout pattern.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Screw Cover Enclosures - Painted & Galvanized

Catalog Number

Enclosure Catalog Number				Enclosure Size Height x Width x Depth A x B x C			Knockout Pattern	Knockout Pattern
Painted		Galvanized						
KO	No KO	KO	No KO	in.	mm	Gauge	Each Side	Top & Bottom
666 SC	666 SC NK	666 SCGV	666 SCGV NK	6.00x6.00x6.00	152x152x152	16	C D E	C D E
866 SC	866 SC NK	866 SCGV	866 SCGV NK	8.00x6.00x6.00	203x152x152	16	G H I J	C D E
886 SC	886 SC NK	886 SCGV	886 SCGV NK	8.00x8.00x6.00	203x203x152	16	G H I J	G H I J
1086 SC	1086 SC NK	1086 SCGV	1086 SCGV NK	10.00x8.00x6.00	254x203x152	16	D E F G H	G H I J
10106 SC	10106 SC NK	10106 SCGV	10106 SCGV NK	10.00x10.00x6.00	254x254x152	16	D E F G H	D E F G H
1266 SC	1266 SC NK	1266 SCGV	1266 SCGV NK	12.00x6.00x6.00	305x152x152	16	D E F G H	C D E
1286 SC	1286 SC NK	1286 SCGV	1286 SCGV NK	12.00x8.00x6.00	305x203x152	16	D E F G H	G H I J
12106 SC	12106 SC NK	12106 SCGV	12106 SCGV NK	12.00x10.00x6.00	305x254x152	16	D E F G H	D E F G H
12126 SC	12126 SC NK	12126 SCGV	12126 SCGV NK	12.00x12.00x6.00	305x305x152	16	D E F G H	D E F G H
15126 SC	15126 SC NK	15126 SCGV	15126 SCGV NK	15.00x12.00x6.00	381x305x152	16	C D E F G H I	D E F G H
15156 SC	15156 SC NK	15156 SCGV	15156 SCGV NK	15.00x15.00x6.00	381x381x152	16	C D E F G H I	C D E F G H I
16126 SC	16126 SC NK	16126 SCGV	16126 SCGV NK	16.00x12.00x6.00	406x305x152	16	C D E F G H I	D E F G H
16166 SC	16166 SC NK	16166 SCGV	16166 SCGV NK	16.00x16.00x6.00	406x406x152	16	C D E F G H I	B C D E F G H I J
18126 SC	18126 SC NK	18126 SCGV	18126 SCGV NK	18.00x12.00x6.00	457x305x152	16	B C D E F G H I J	D E F G H
18156 SC	18156 SC NK	18156 SCGV	18156 SCGV NK	18.00x15.00x6.00	457x381x152	16	B C D E F G H I J	C D E F G H I
18186 SC	18186 SC NK	18186 SCGV	18186 SCGV NK	18.00x18.00x6.00	457x457x152	16	B C D E F G H I J	B C D E F G H I J
24126 SC	24126 SC NK	24126 SCGV	24126 SCGV NK	24.00x12.00x6.00	610x305x152	16	B C D E F G H I J	D E F G H
24186 SC	24186 SC NK	24186 SCGV	24186 SCGV NK	24.00x18.00x6.00	610x457x152	16	B C D E F G H I J	B C D E F G H I J
24246 SC	24246 SC NK	24246 SCGV	24246 SCGV NK	24.00x24.00x6.00	610x610x152	14	B C D E F G H I J	B C D E F G H I J
30186 SC	30186 SC NK	30186 SCGV	30186 SCGV NK	30.00x18.00x6.00	762x457x152	16	B C D E F G H I J	B C D E F G H I J
30246 SC	30246 SC NK	30246 SCGV	30246 SCGV NK	30.00x24.00x6.00	762x610x152	14	B C D E F G H I J	B C D E F G H I J
-	30306 SC NK	-	30306 SCGV NK	30.00x30.00x6.00	762x762x152	12	-	-
36246 SC	36246 SC NK	36246 SCGV	36246 SCGV NK	36.00x24.00x6.00	914x310x152	14	B C D E F G H I J	B C D E F G H I J
-	36306 SC NK	-	36306 SCGV NK	36.00x30.00x6.00	914x762x152	12	-	-
-	36366 SC NK	-	36366 SCGV NK	36.00x36.00x6.00	914x914x152	12	-	-
-	48366 SC NK	-	48366 SCGV NK	48.00x36.00x6.00	1219x914x152	12	-	-
-	48486 SC NK	-	48486 SCGV NK	48.00x48.00x6.00	1219x1219x152	12	-	-
888 SC	888 SC NK	888 SCGV	888 SCGV NK	8.00x8.00x8.00	203x203x203	16	G H I J	G H I J
12128 SC	12128 SC NK	12128 SCGV	12128 SCGV NK	12.00x12.00x8.00	305x305x203	16	D E F G H	D E F G H
16128 SC	16128 SC NK	16128 SCGV	16128 SCGV NK	16.00x12.00x8.00	406x305x203	16	C D E F G H I	D E F G H
18128 SC	18128 SC NK	18128 SCGV	18128 SCGV NK	18.00x12.00x8.00	457x305x203	16	B C D E F G H I J	D E F G H
18188 SC	18188 SC NK	18188 SCGV	18188 SCGV NK	18.00x18.00x8.00	457x457x203	16	B C D E F G H I J	B C D E F G H I J
24128 SC	24128 SC NK	24128 SCGV	24128 SCGV NK	24.00x12.00x8.00	610x305x203	16	B C D E F G H I J	D E F G H
24188 SC	24188 SC NK	24188 SCGV	24188 SCGV NK	24.00x18.00x8.00	610x457x203	16	B C D E F G H I J	B C D E F G H I J
24248 SC	24248 SC NK	24248 SCGV	24248 SCGV NK	24.00x24.00x8.00	610x610x203	14	B C D E F G H I J	B C D E F G H I J
30248 SC	30248 SC NK	30248 SCGV	30248 SCGV NK	30.00x24.00x8.00	762x610x203	14	B C D E F G H I J	B C D E F G H I J
-	30308 SC NK	-	30308 SCGV NK	30.00x30.00x8.00	762x762x203	12	-	-
36248 SC	36248 SC NK	36248 SCGV	36248 SCGV NK	36.00x24.00x8.00	914x610x203	14	B C D E F G H I J	B C D E F G H I J



Conduit Sizes
Knockout Detail

Note: See table for applicable knockout pattern.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Screw Cover Enclosures - Painted & Galvanized

Catalog Number

Enclosure Catalog Number				Enclosure Size Height x Width x Depth A x B x C			Knockout Pattern	Knockout Pattern
Painted		Galvanized						
KO	No KO	KO	No KO	in.	mm	Gauge	Each Side	Top & Bottom
121210 SC	121210 SC NK	121210 SCGV	121210 SCGV NK	12.00x12.00x10.00	305x305x254	16	(D)(E)(F)(G)(H)	(D)(E)(F)(G)(H)
181210 SC	181210 SC NK	181210 SCGV	181210 SCGV NK	18.00x12.00x10.00	457x305x254	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)	(D)(E)(F)(G)(H)
181810 SC	181810 SC NK	181810 SCGV	181810 SCGV NK	18.00x18.00x10.00	457x457x254	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)	(B)(C)(D)(E)(F)(G)(H)(I)(J)
241210 SC	241210 SC NK	241210 SCGV	241210 SCGV NK	24.00x12.00x10.00	610x305x254	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)	(D)(E)(F)(G)(H)
241810 SC	241810 SC NK	241810 SCGV	241810 SCGV NK	24.00x18.00x10.00	610x457x254	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)	(B)(C)(D)(E)(F)(G)(H)(I)(J)
242410 SC	242410 SC NK	242410 SCGV	242410 SCGV NK	24.00x24.00x10.00	610x610x254	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)	(B)(C)(D)(E)(F)(G)(H)(I)(J)
302410 SC	302410 SC NK	302410 SCGV	302410 SCGV NK	30.00x24.00x10.00	762x610x254	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)	(B)(C)(D)(E)(F)(G)(H)(I)(J)
-	303010 SC NK	-	303010 SCGV NK	30.00x30.00x10.00	762x762x254	12	-	-
362410 SC	362410 SC NK	362410 SCGV	362410 SCGV NK	36.00x24.00x10.00	914x610x254	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)	(B)(C)(D)(E)(F)(G)(H)(I)(J)
181812 SC	181812 SC NK	181812 SCGV	181812 SCGV NK	18.00x18.00x12.00	457x457x305	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)	(B)(C)(D)(E)(F)(G)(H)(I)(J)
241212 SC	241212 SC NK	241212 SCGV	241212 SCGV NK	24.00x12.00x12.00	610x305x305	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)	(D)(E)(F)(G)(H)
241812 SC	241812 SC NK	241812 SCGV	241812 SCGV NK	24.00x18.00x12.00	610x457x305	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)	(B)(C)(D)(E)(F)(G)(H)(I)(J)
242412 SC	242412 SC NK	242412 SCGV	242412 SCGV NK	24.00x24.00x12.00	610x610x305	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)	(B)(C)(D)(E)(F)(G)(H)(I)(J)
302412 SC	302412 SC NK	302412 SCGV	302412 SCGV NK	30.00x24.00x12.00	762x610x305	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)	(B)(C)(D)(E)(F)(G)(H)(I)(J)
-	303012 SC NK	-	303012 SCGV NK	30.00x30.00x12.00	762x762x305	12	-	-
362412 SC	362412 SC NK	362412 SCGV	362412 SCGV NK	36.00x24.00x12.00	914x610x305	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)	(B)(C)(D)(E)(F)(G)(H)(I)(J)
-	363612 SC NK	-	363612 SCGV NK	36.00x36.00x12.00	914x914x305	12	-	-

Type 1 Flush & Surface Covers - Painted & Galvanized

Catalog Number

Optional Flush Covers		Flush Cover Size		Fits Enclosure A x B			Replacement Surface Covers		Surface Cover Size		Fits Enclosure A x B		
Catalog Number							Catalog Number						
Painted	Galvanized	in.	mm	in.	mm	Gauge	Painted	Galvanized	in.	mm	in.	mm	Gauge
44 SCF	44 SCFGV	5.50x5.50	140x140	4.00x400	102x102	16	44 SCS	44 SCSGV	4.09x4.09	104x104	4.00x4.00	102x102	16
64 SCF	64 SCFGV	7.50x5.50	191x140	6.00x4.00	152x102	16	64 SCS	64 SCSGV	6.09x4.09	155x104	6.00x4.00	152x102	16
66 SCF	66 SCFGV	7.50x7.50	191x191	6.00x6.00	152x152	16	66 SCS	66 SCSGV	6.09x6.09	155x155	6.00x6.00	152x152	16
86 SCF	86 SCFGV	9.50x7.50	241x191	8.00x6.00	203x152	16	86 SCS	86 SCSGV	8.09x6.09	205x155	8.00x6.00	203x152	16
88 SCF	88 SCFGV	9.50x9.50	241x241	8.00x8.00	203x203	16	88 SCS	88 SCSGV	8.09x8.09	205x205	8.00x8.00	203x203	16
108 SCF	108 SCFGV	11.50x9.50	292x241	10.00x8.00	254x203	16	108 SCS	108 SCSGV	10.09x8.09	256x205	10.00x8.00	254x203	16
1010 SCF	1010 SCFGV	11.50x11.50	292x292	10.00x10.00	254x254	16	1010 SCS	1010 SCSGV	10.09x10.09	256x256	10.00x10.00	254x254	16
126 SCF	126 SCFGV	13.50x7.50	343x191	12.00x6.00	305x152	16	126 SCS	126 SCSGV	12.09x6.09	307x155	12.00x6.00	305x152	16
128 SCF	128 SCFGV	13.50x11.50	343x241	12.00x8.00	305x203	16	128 SCS	128 SCSGV	12.09x8.09	307x205	12.00x8.00	305x203	16
1210 SCF	1210 SCFGV	13.50x11.50	343x292	12.00x10.00	305x254	16	1210 SCS	1210 SCSGV	12.09x10.09	307x256	12.00x10.00	305x254	16
1212 SCF	1212 SCFGV	13.50x13.50	343x343	12.00x12.00	305x305	16	1212 SCS	1212 SCSGV	12.09x12.09	307x307	12.00x12.00	305x305	16
1612 SCF	1612 SCFGV	17.50x13.50	445x343	16.00x12.00	406x305	14	1612 SCS	1612 SCSGV	16.09x12.09	409x307	16.00x12.00	406x305	16
1616 SCF	1616 SCFGV	17.50x17.50	445x445	16.00x16.00	406x406	14	1616 SCS	1616 SCSGV	16.09x16.09	409x409	16.00x16.00	406x406	16
1812 SCF	1812 SCFGV	19.50x13.50	495x343	18.00x12.00	457x305	14	1812 SCS	1812 SCSGV	18.09x12.09	459x307	18.00x12.00	457x305	16
1815 SCF	1815 SCFGV	19.50x16.50	495x419	18.00x15.00	457x381	14	1815 SCS	1815 SCSGV	18.09x15.09	459x383	18.00x15.00	457x381	16
1818 SCF	1818 SCFGV	19.50x19.50	495x495	18.00x18.00	457x457	14	1818 SCS	1818 SCSGV	18.09x18.09	459x459	18.00x18.00	457x457	16
2412 SCF	2412 SCFGV	25.50x13.50	648x343	24.00x12.00	610x305	14	2412 SCS	2412 SCSGV	24.09x12.09	612x307	24.00x12.00	610x305	16
2418 SCF	2418 SCFGV	25.50x19.50	648x495	24.00x18.00	610x457	12	2418 SCS	2418 SCSGV	24.09x18.09	612x459	24.00x18.00	610x457	14
2424 SCF	2424 SCFGV	25.50x24.50	648x622	24.00x24.00	610x610	12	2424 SCS	2424 SCSGV	24.09x24.09	612x612	24.00x24.00	610x610	14

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Small Panel Enclosures

Data Sheet

Application

- Houses electrical controls and instruments in an environment which does not require oil or dust tight specifications
- Protects against contact with enclosed equipment

Standards

- UL 50 listed, Type 1
- CSA C22.2 No. 40 certified, Type 1
- Conforms to NEMA standard for Type 1
- IEC 60529, IP30

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- Enclosure body has mounting holes on the back which are accessible with or without the optional panel installed
- Cover is secured to the body with a continuous hinge on one side and flush latch on the opposite side
- Flush latch is designed to operate with either coin or screwdriver
- #10-32 provisions for mounting optional panel
- No knockouts

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

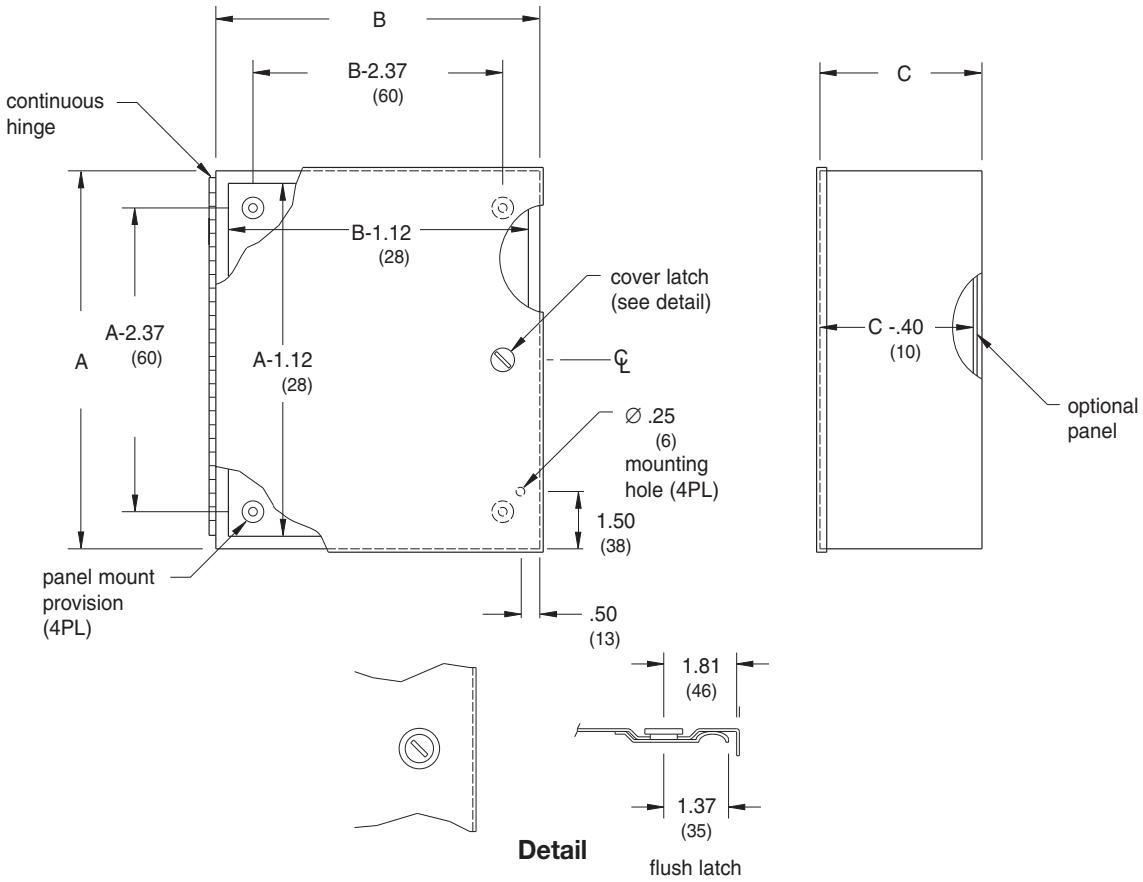
- Panels
- Terminal blocks
- Type 1 flush lock
- Touch-up paint
- See Accessories section
- #8-32 self tapping screw (10168)

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 1 Small Panel Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Panel Catalog Number Solid	Perforated	Panel Size Height x Width in.	mm
664-1	6.00x6.00x4.00	152x152x102	**N66P**	**N66PP**	4.25x4.25	108x108
864-1	8.00x6.00x4.00	203x152x102	**N86P**	**N86PP**	6.25x4.25	159x108
884-1	8.00x8.00x4.00	203x203x102	**N88P**	**N88PP**	6.25x6.25	159x159
1084-1	10.00x8.00x4.00	254x203x102	**N108P**	**N108PP**	8.25x6.25	210x159
10104-1	10.00x10.00x4.00	254x254x102	**N1010P**	**N1010PP**	8.25x8.25	210x210
12104-1	12.00x10.00x4.00	305x254x102	**N1210P**	**N1210PP**	10.25x8.25	260x210
12124-1	12.00x12.00x4.00	305x305x102	**N1212P**	**N1212PP**	10.25x10.25	260x260
14124-1	14.00x12.00x4.00	356x305x102	**N1412P**	**N1412PP**	12.25x10.25	311x260
866-1	8.00x6.00x6.00	203x152x152	**N86P**	**N86PP**	6.25x4.25	159x108
886-1	8.00x8.00x6.00	203x203x152	**N88P**	**N88PP**	6.25x6.25	159x159
1086-1	10.00x8.00x6.00	254x203x152	**N108P**	**N108PP**	8.25x6.25	210x159
10106-1	10.00x10.00x6.00	254x254x152	**N1010P**	**N1010PP**	8.25x8.25	210x210
12106-1	12.00x10.00x6.00	305x254x152	**N1210P**	**N1210PP**	10.25x8.25	260x210
12126-1	12.00x12.00x6.00	305x305x152	**N1212P**	**N1212PP**	10.25x10.25	260x260
14126-1	14.00x12.00x6.00	356x305x152	**N1412P**	**N1412PP**	12.25x10.25	311x260
20126-1	20.00x12.00x6.00	508x305x152	**N2012P**	**N2012PP**	18.25x10.25	464x260
12128-1	12.00x12.00x8.00	305x305x203	**N1212P**	**N1212PP**	10.25x10.25	260x260
14128-1	14.00x12.00x8.00	356x305x203	**N1412P**	**N1412PP**	12.25x10.25	311x260



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Medium Panel Enclosures

Data Sheet

Application

- Houses electrical controls and instruments in an environment which does not require oil and dust tight specifications
- Protects against contact with enclosed equipment

Standards

- UL 50 listed, Type 1
- CSA C22.2 No. 40 certified, Type 1
- Conforms to NEMA standard for Type 1
- IEC 60529, IP30

Construction

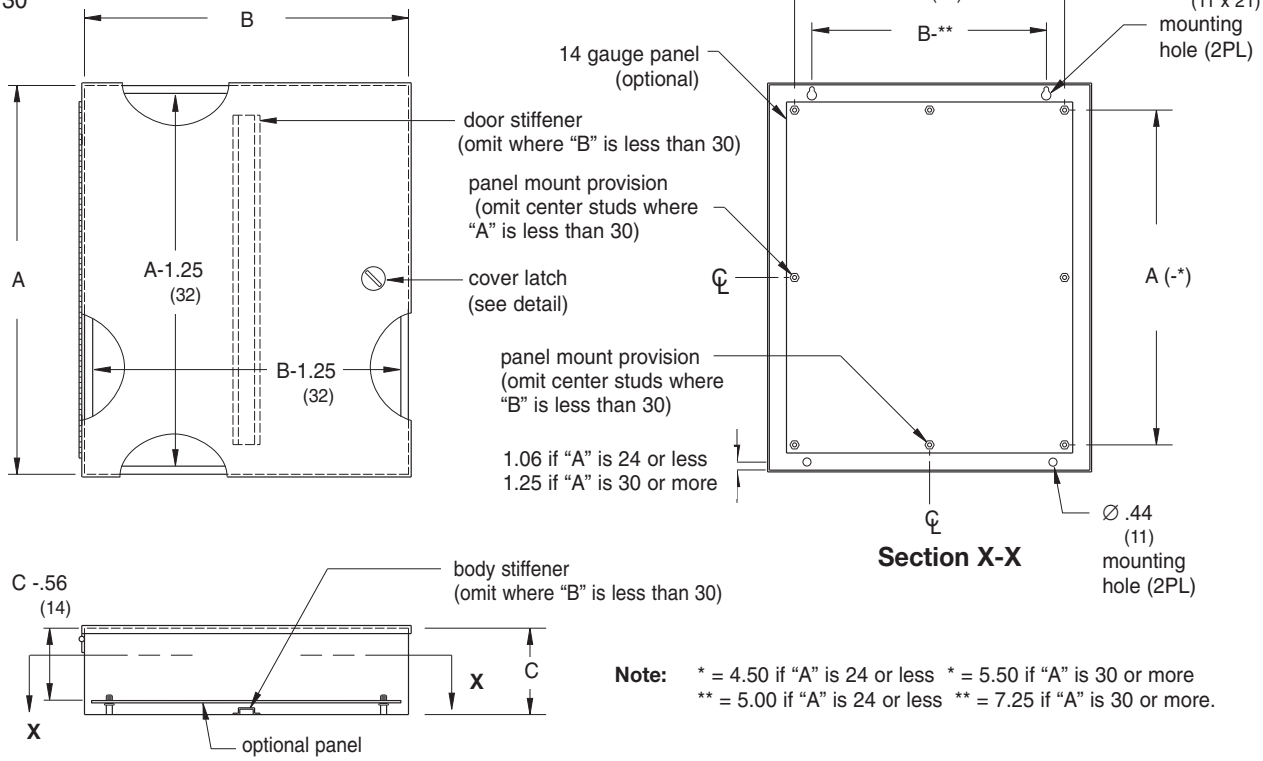
- Enclosure and door are fabricated from code gauge steel, (see table)
- Enclosure body has mounting holes on the back which are accessible with or without the optional panel installed
- Door is secured to the body with a continuous hinge on one side and a flush latch mounted to the opposite side
- Flush latch is designed to operate with either coin or screwdriver
- .375-16 provisions for mounting optional panel
- No knockouts

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Optional panels have a white polyester powder finish

Accessories

- Panels
- Terminal blocks
- Type 1 flush lock
- Type 1 security latch inserts
- Touch-up paint
- See Accessories section
- #8-32 self tapping screw (10168)



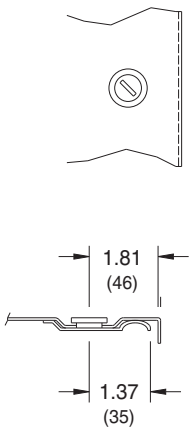
Note: * = 4.50 if "A" is 24 or less * = 5.50 if "A" is 30 or more
** = 5.00 if "A" is 24 or less ** = 7.25 if "A" is 30 or more.

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 1 Medium Panel Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Gauge	Panel Catalog Number Solid	Perforated	Panel Size Height x Width in.	mm
16126-1	16.00x12.00x6.62	406x305x168	16	**AW1612-1P**	**AW1612-1PP**	13.00x10.50	330x267
16166-1	16.00x16.00x6.62	406x406x168	16	**AW1616-1P**	**AW1616-1PP**	13.00x14.50	330x368
16206-1	16.00x20.00x6.62	406x508x168	16	**AW1620-1P**	**AW1620-1PP**	13.00x18.50	330x470
20166-1	20.00x16.00x6.62	508x406x168	16	**AW2016-1P**	**AW2016-1PP**	17.00x14.50	432x368
20206-1	20.00x20.00x6.62	508x508x168	14	**AW2020-1P**	**AW2020-1PP**	17.00x18.50	432x470
24166-1	24.00x16.00x6.62	610x406x168	14	**AW2416-1P**	**AW2416-1PP**	21.00x14.50	533x368
24206-1	24.00x20.00x6.62	610x508x168	14	**AW2420-1P**	**AW2420-1PP**	21.00x18.50	533x470
24246-1	24.00x24.00x6.62	610x610x168	14	**AW2424-1P**	**AW2424-1PP**	21.00x22.50	533x572
30206-1	30.00x20.00x6.62	762x508x168	14	**AW3020-1P**	**AW3020-1PP**	26.00x18.50	660x470
30246-1	30.00x24.00x6.62	762x610x168	14	**AW3024-1P**	**AW3024-1PP**	26.00x22.50	660x572
36246-1	36.00x24.00x6.62	914x610x168	14	**AW3624-1P**	**AW3624-1PP**	32.00x22.50	813x572
36306-1	36.00x30.00x6.62	914x762x168	14	**AW3630-1P**	**AW3630-1PP**	32.00x28.50	813x724
16128-1	16.00x12.00x8.62	406x305x219	16	**AW1612-1P**	**AW1612-1PP**	13.00x10.50	330x267
20168-1	20.00x16.00x8.62	508x406x219	16	**AW2016-1P**	**AW2016-1PP**	17.00x14.50	432x368
20208-1	20.00x20.00x8.62	508x508x219	14	**AW2020-1P**	**AW2020-1PP**	17.00x18.50	432x470
20248-1	20.00x24.00x8.62	508x610x219	14	**AW2024-1P**	**AW2024-1PP**	17.00x22.50	432x572
24208-1	24.00x20.00x8.62	610x508x219	14	**AW2420-1P**	**AW2420-1PP**	21.00x18.50	533x470
24248-1	24.00x24.00x8.62	610x610x219	14	**AW2424-1P**	**AW2424-1PP**	21.00x22.50	533x572
30208-1	30.00x20.00x8.62	762x508x219	14	**AW3020-1P**	**AW3020-1PP**	26.00x18.50	660x470
30248-1	30.00x24.00x8.62	762x610x219	14	**AW3024-1P**	**AW3024-1PP**	26.00x22.50	660x572
30308-1	30.00x30.00x8.62	762x762x219	14	**AW3030-1P**	**AW3030-1PP**	26.00x28.50	660x724
36248-1	36.00x24.00x8.62	914x610x219	14	**AW3624-1P**	**AW3624-1PP**	32.00x22.50	813x572
36308-1	36.00x30.00x8.62	914x762x219	14	**AW3630-1P**	**AW3630-1PP**	32.00x28.50	813x724
42248-1	42.00x24.00x8.62	1067x610x219	14	**AW4224-1P**	**AW4224-1PP**	38.00x22.50	965x572
242010-1	24.00x20.00x10.62	610x508x270	14	**AW2420-1P**	**AW2420-1PP**	21.00x18.50	533x470
302410-1	30.00x24.00x10.62	762x610x270	14	**AW3024-1P**	**AW3024-1PP**	26.00x22.50	660x572
242012-1	24.00x20.00x12.62	610x508x321	14	**AW2420-1P**	**AW2420-1PP**	21.00x18.50	533x470
242412-1	24.00x24.00x12.62	610x610x321	14	**AW2424-1P**	**AW2424-1PP**	21.00x22.50	533x572
302412-1	30.00x24.00x12.62	762x610x321	14	**AW3024-1P**	**AW3024-1PP**	26.00x22.50	660x572
363012-1	36.00x30.00x12.62	914x762x321	14	**AW3630-1P**	**AW3630-1PP**	32.00x28.50	813x724



flush latch

Detail

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Large Panel Enclosures

Data Sheet

Application

- Houses electrical controls and instruments in an environment which does not require oil and dust tight specifications
- Protects against contact with enclosed equipment

Standards

- UL 50 Listed, Type 1
- CSA C22.2 No. 40 certified, Type 1
- Conforms to NEMA Standard for Type 1
- IEC 60529, IP30

Construction

- Enclosure and door are fabricated from (14) gauge steel
- Enclosure body has mounting holes on the back which are accessible with or without the optional panel installed
- Door is secured to the body with a heavy-duty continuous hinge on one side and slotted flush latches on the opposite side
- Door and body have stiffeners for extra rigidity
- Slotted flush latch is designed to operate with either a coin or a screwdriver
- .375-16 provisions for mounting optional panels
- Keyed flush lock available
- No knockouts

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Optional panels have a white polyester powder finish

Accessories

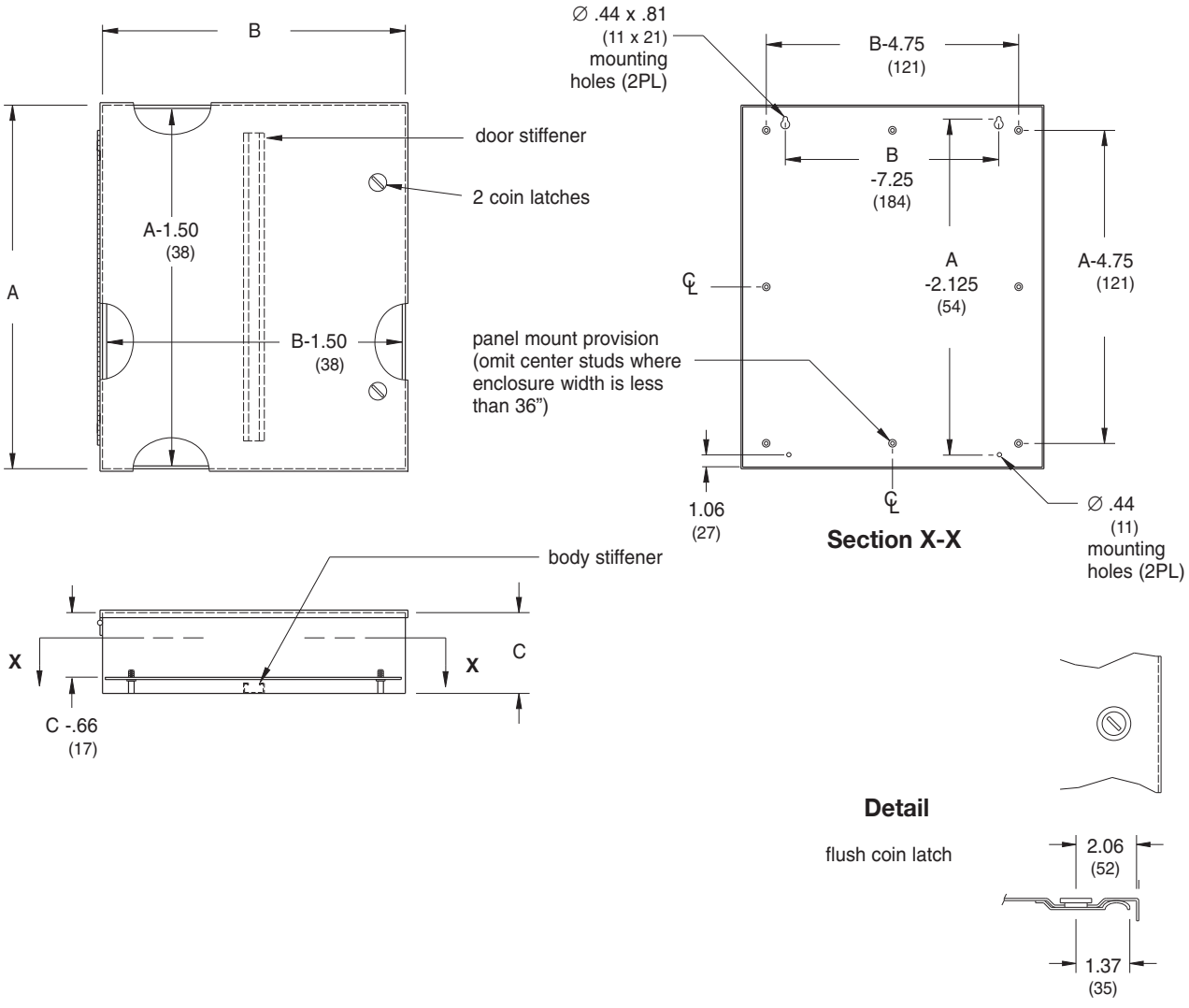
- Panels
- Terminal blocks
- Type 1 flush lock
- Swing panel kits
- Window kits
- Touch-up paint

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 1 Large Panel Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Panel Catalog Number	Panel Size Height x Width in.	mm
42309-1	42.00x30.00x9.25	1067x762x235	**AW4230P**	38.87x26.87	987x682
42369-1	42.00x36.00x9.25	1067x914x235	**AW4236P**	38.87x32.87	987x835
48369-1	48.00x36.00x9.25	1219x914x235	**AW4836P**	44.87x32.87	1140x835
483611-1	48.00x36.00x11.25	1219x914x286	**AW4836P**	44.87x32.87	1140x835
423013-1	42.00x30.00x13.25	1067x762x337	**AW4230P**	38.87x26.87	987x682
423613-1	42.00x36.00x13.25	1067x914x337	**AW4236P**	38.87x32.87	987x835
483613-1	48.00x36.00x13.25	1219x914x337	**AW4836P**	44.87x32.87	1140x835
483617-1	48.00x36.00x17.25	1219x914x438	**AW4836P**	44.87x32.87	1140x835



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Locking Hinge Cover Enclosure w/ Perforated Panel

Data Sheet

Application

- Houses electrical and electronic controls and instruments in an environment which does not require oil, dust, or water tight specifications
- Protects against contact with enclosed equipment

Standards

- UL 50 listed, Type 1
- CSA C22.2 No. 40 certified, Type 1
- Conforms to NEMA standard for Type 1
- IEC 60529, IP30

Construction

- Covers and bodies are fabricated from code gauge steel (see chart)
- Includes panel grounding hardware kit
- Cover has keyed quarter turn lock, two (2) keys are included
- Cover includes foam corner padding
- Includes removable 16 gauge white perforated panel
- Enclosure body has mounting holes on the back which are accessible with or without the panel installed.
- Cover is secured to the body with a continuous hinge on one side and a flush latch on the opposite side

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electro-coat finish

Accessories

- Touch-up paint (84034)
- Self-tapping screws (10168)

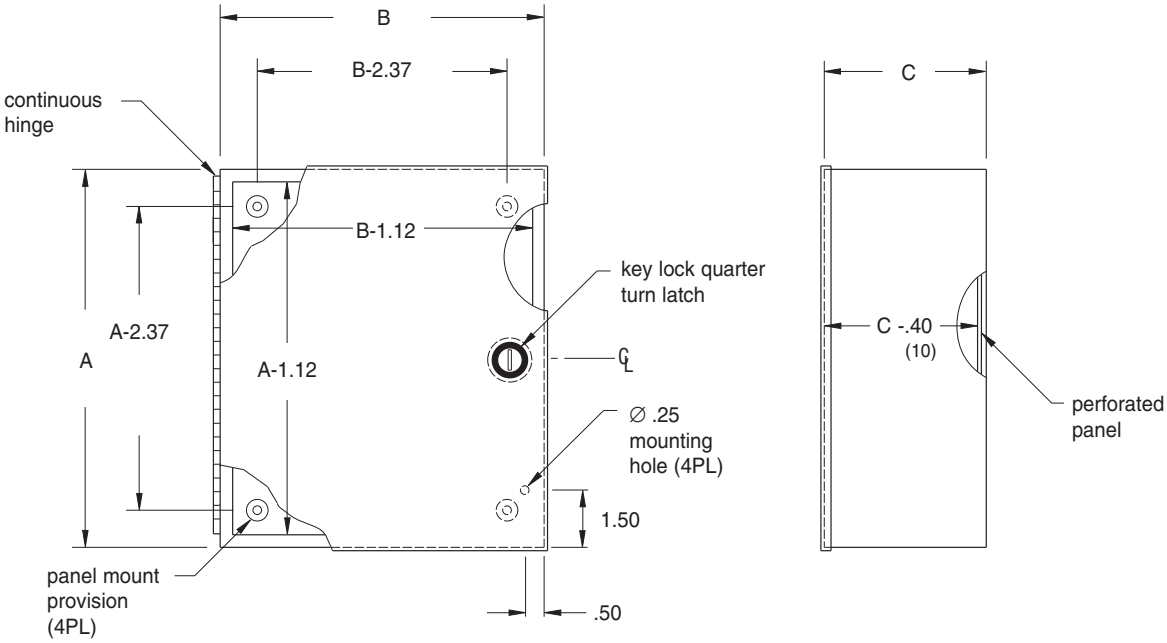
Catalog Number	Height x Depth x Length A x B x C		Gauge		Perforated Panel Size	
	in.	mm	in.	mm	in.	mm
12126-1PP	12.00x12.00x6.00	305x305x152	16	1.4	10.25x10.25	260.3x260.3
16126-1PP	16.00x12.00x6.00	406x305x152	16	1.4	13.00x10.50	260.3x260.3
20166-1PP	20.00x16.00x6.00	508x406x152	16	1.4	17.00x14.50	431.8x368.3
24206-1PP	24.00x20.00x6.00	610x508x152	14	1.9	21.00x18.50	5333.4x469.9
36246-1PP	36.00x24.00x6.00	914x610x152	14	1.9	32.00x22.50	812.8x571.5
36306-1PP	36.00x30.00x6.00	914x762x152	14	1.9	32.00x28.50	812.8x723.9

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

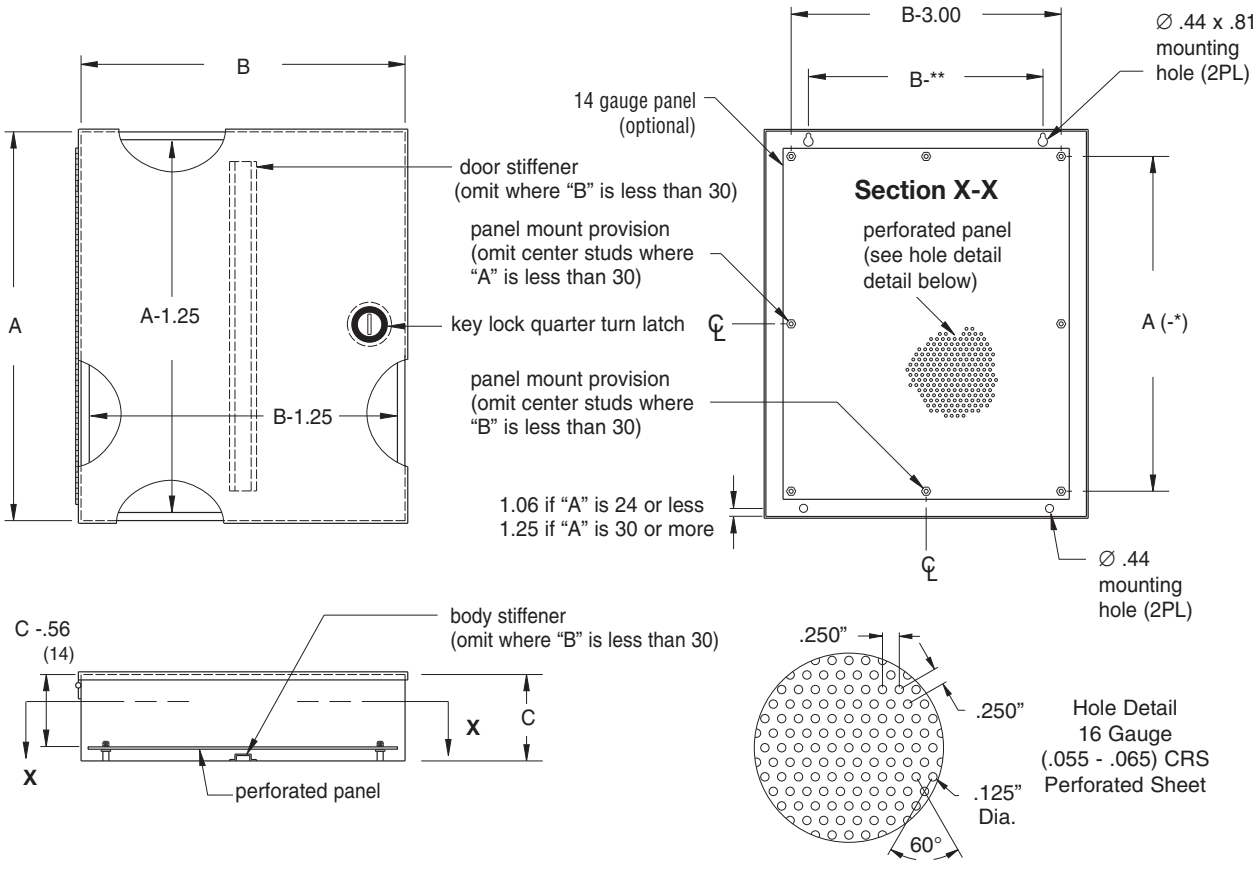
Type 1 Locking Hinge Cover Enclosure w/ Perforated Panel

Illustration Sheet

Drawings for 12126-1PP



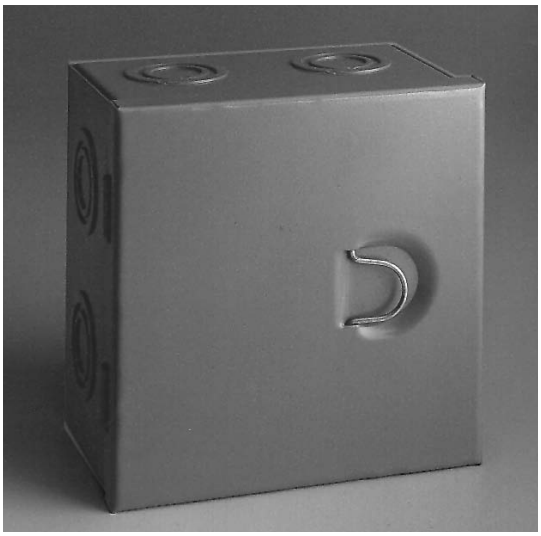
Drawings for 16126-1PP, 20166-1PP, 24206-1PP, 36246-1PP, 36306-1PP



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Hinge Cover Enclosures

Data Sheet



Application

- Used as wiring boxes, junction and pull boxes
- Protects against contact with enclosed equipment

Standards

- UL 50 listed, Type 1
- CSA C22.2 No. 40 certified, Type 1
- Conforms to NEMA standard for Type 1
- IEC 60529, IP30

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- Enclosure body has mounting holes on the back
- Enclosures are available with or without knockouts on the sides, top and bottom ends
- Removable cover is secured to the body with T-Slot hinges on one side and a friction dimple catch on the opposite side
- Cover is furnished with a recessed pull ring for opening convenience
- #10-32 tapped hole provision for optional ground lug kit

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

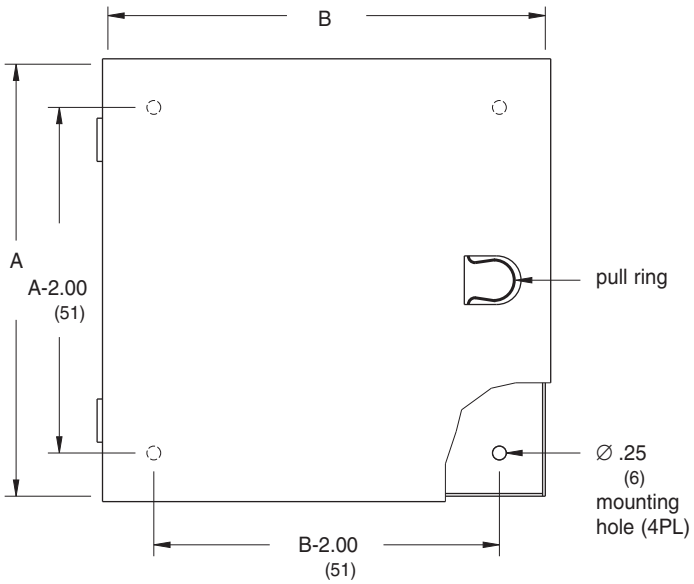
- Ground lug kit
- Touch-up paint
- See Accessories section

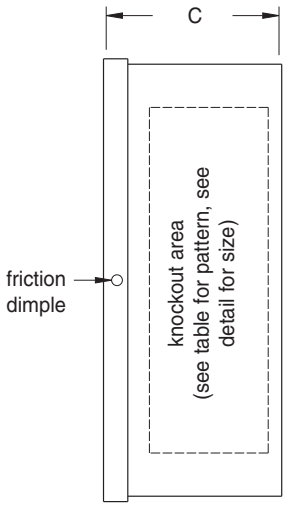
Enclosure Catalog Number		Enclosure Size Height x Width x Depth A x B x C		Knockout Pattern	Knockout Pattern
KO	No KO	in.	mm	Each Side	Top & Bottom
664 HC	664 HC NK	6.00x6.00x4.00	152x152x102	C D E	C D E
864 HC	864 HC NK	8.00x6.00x4.00	203x152x102	G H I J	C D E
884 HC	884 HC NK	8.00x8.00x4.00	203x203x102	G H I J	G H I J
1084 HC	1084 HC NK	10.00x8.00x4.00	254x203x102	D E F G H	G H I J
10104 HC	10104 HC NK	10.00x10.00x4.00	254x254x102	D E F G H	D E F G H
1284 HC	1284 HC NK	12.00x8.00x4.00	305x203x102	D E F G H	G H I J
12104 HC	12104 HC NK	12.00x10.00x4.00	305x254x102	D E F G H	D E F G H
12124 HC	12124 HC NK	12.00x12.00x4.00	305x305x102	D E F G H	D E F G H
18124 HC	18124 HC NK	18.00x12.00x4.00	457x305x102	B C D E F G H I J	D E F G H
666 HC	666 HC NK	6.00x6.00x6.00	152x152x152	C D E	C D E
886 HC	886 HC NK	8.00x8.00x6.00	203x203x152	G H I J	G H I J
1086 HC	1086 HC NK	10.00x8.00x6.00	254x203x152	D E F G H	G H I J
10106 HC	10106 HC NK	10.00x10.00x6.00	254x254x152	D E F G H	D E F G H
12106 HC	12106 HC NK	12.00x10.00x6.00	305x254x152	D E F G H	D E F G H
12126 HC	12126 HC NK	12.00x12.00x6.00	305x305x152	D E F G H	D E F G H
16126 HC	16126 HC NK	16.00x12.00x6.00	406x305x152	C D E F G H I	D E F G H
16166 HC	16166 HC NK	16.00x16.00x6.00	406x406x152	C D E F G H I	C D E F G H I
18126 HC	18126 HC NK	18.00x12.00x6.00	457x305x152	B C D E F G H I J	D E F G H
18186 HC	18186 HC NK	18.00x18.00x6.00	457x457x152	B C D E F G H I J	B C D E F G H I J
24186 HC	24186 HC NK	24.00x18.00x6.00	610x457x152	B C D E F G H I J	B C D E F G H I J
24246 HC	24246 HC NK	24.00x24.00x6.00	610x610x152	B C D E F G H I J	B C D E F G H I J
30246 HC	30246 HC NK	30.00x24.00x6.00	762x610x152	B C D E F G H I J	B C D E F G H I J
36246 HC	36246 HC NK	36.00x24.00x6.00	914x610x152	B C D E F G H I J	B C D E F G H I J
36248 HC	36248 HC NK	36.00x24.00x8.00	914x610x203	B C D E F G H I J	B C D E F G H I J

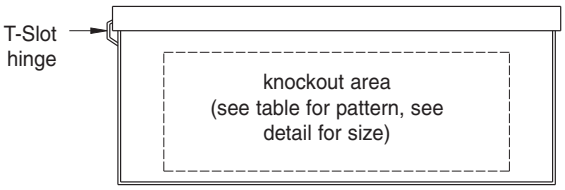
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

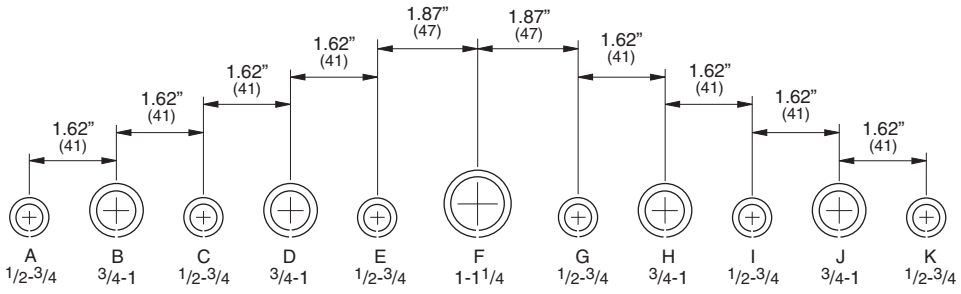
Type 1 Hinge Cover Enclosures

Illustration Sheet









Conduit Sizes

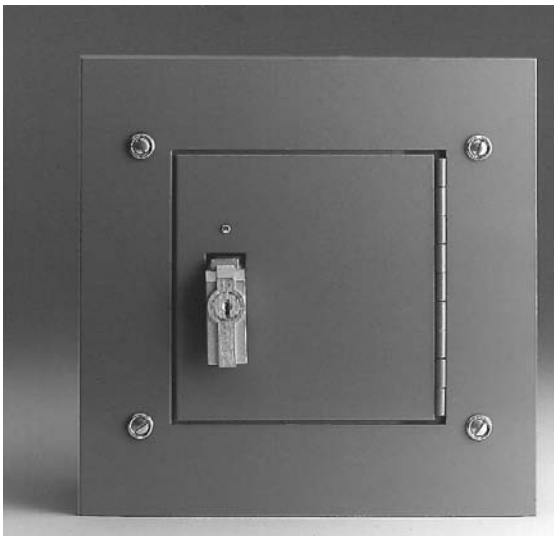
Knockout Detail

Note: See table for applicable knockout pattern.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Telephone Termination Cabinets

Data Sheet



Flush Mount

Surface Mount

Application

- Houses electrical controls and instruments
- Used as wiring boxes, junction boxes, pull boxes, telephone and communication cable termination and spare fuse cabinet
- Protects against contact with enclosed equipment

Standards

- UL 50 listed, Type 1
- CSA C22.2 No. 40 certified, Type 1
- Conforms to NEMA standard for Type 1
- IEC 60529, IP30

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

- Locks and latches
- Ground lug kit
- Terminal blocks
- Wood back boards, barriers and shelves
- Touch-up paint
- See Accessories section

Construction

- Cabinet and trim covers are fabricated from code gauge steel, (see table)
- Cabinet body has mounting holes on the back
- Knockouts on sides, top and bottom ends are standard on cabinets 24 inches wide or smaller, (see Type 1 Screw Cover Enclosures for knockout configuration)
- Cabinets are available without knockouts
- Surface or flush mounting
- Doors have either a continuous or heavy-duty butt hinge
- Double-door construction on trim covers fitting cabinets wider than 24 inches
- Tumbler lock with key furnished on single-door trim cover less than 48 inches high
- T-handle 3-pt lock with key furnished on 48” high single-door and all double-door trim covers
- Directory card holder on all trim covers wider than 18 inches
- Trim covers can be ordered separately and used with Type 1 Screw Cover Enclosures, (see table)
- Cupped washer and bright finish oval head screw used to protect trim cover finish and improve appearance

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 1 Telephone Termination Cabinets

Catalog Number

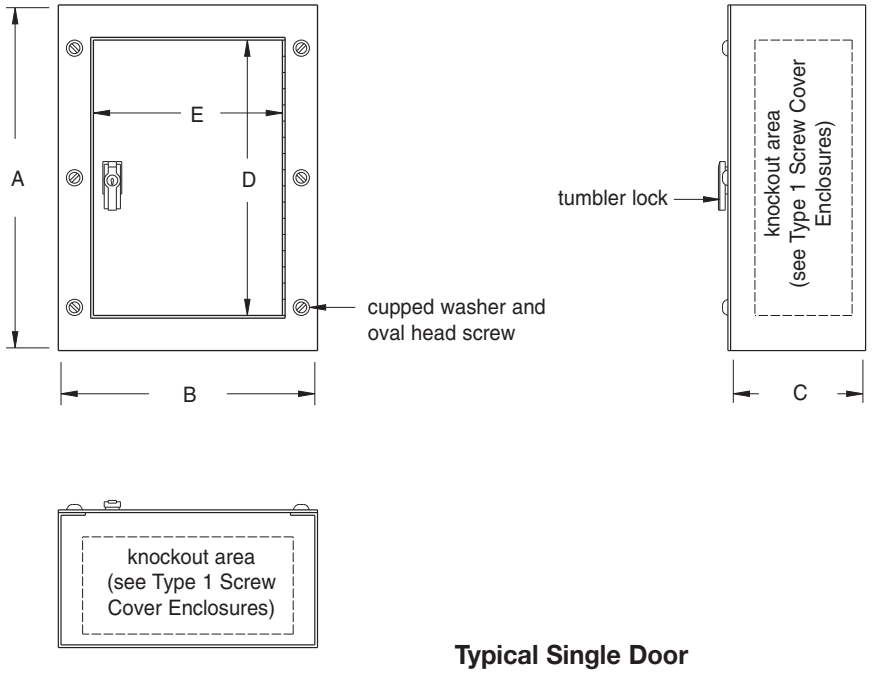
Cabinet Depth	Cabinet Catalog Number (includes trim cover)		Cabinet Size Height x Width x Depth A x B x C			Trim Cover Catalog Number (trim cover only - does not include cabinet)				Door Opening(1) Height D		Width E	
	Surface	Flush	in.	mm	Gauge	Surface	Gauge	Flush	Gauge	in.	mm	in.	mm
4	884 TCS	884 TCF	8.00x8.00x4.00	203x203x102	16	88 TCS	16	88 TCF	14	5	127	5	127
	10104 TCS	10104 TCF	10.00x10.00x4.00	254x254x102	16	1010 TCS	16	1010 TCF	14	6	152	6	152
	1284 TCS	1284 TCF	12.00x8.00x4.00	305x203x102	16	128 TCS	16	128 TCF	14	8	203	5	127
	12104 TCS	12104 TCF	12.00x10.00x4.00	305x254x102	16	1210 TCS	16	1210 TCF	14	8	203	6	152
	12124 TCS	12124 TCF	12.00x12.00x4.00	305x305x102	16	1212 TCS	16	1212 TCF	14	8	203	8	203
	16124 TCS	16124 TCF	16.00x12.00x4.00	406x305x102	16	1612 TCS	16	1612 TCF	14	12	305	8	203
	18124 TCS	18124 TCF	18.00x12.00x4.00	457x305x102	16	1812 TCS	16	1812 TCF	14	14	356	8	203
	18154 TCS	18154 TCF	18.00x15.00x4.00	457x381x102	16	1815 TCS	16	1815 TCF	14	14	356	11	279
	18184 TCS	18184 TCF	18.00x18.00x4.00	457x457x102	16	1818 TCS	16	1818 TCF	12	14	356	14	356
	24124 TCS	24124 TCF	24.00x12.00x4.00	610x305x102	16	2412 TCS	16	2412 TCF	12	19	483	8	203
	24184 TCS	24184 TCF	24.00x18.00x4.00	610x457x102	16	2418 TCS	14	2418 TCF	12	19	483	14	356
	24244 TCS	24244 TCF	24.00x24.00x4.00	610x610x102	14	2424 TCS	14	2424 TCF	12	19	483	19	483
	30154 TCS	30154 TCF	30.00x15.00x4.00	762x381x102	16	3015 TCS	14	3015 TCF	12	25	635	11	279
	30184 TCS	30184 TCF	30.00x18.00x4.00	762x457x102	16	3018 TCS	14	3018 TCF	12	25	635	14	356
	30244 TCS	30244 TCF	30.00x24.00x4.00	762x610x102	14	3024 TCS	14	3024 TCF	12	25	635	19	483
	30304 TCS NK	30304 TCF NK	30.00x30.00x4.00	762x762x102	12	3030 TCS	12	3030 TCF	12	25	635	25	635
	36244 TCS	36244 TCF	36.00x24.00x4.00	914x610x102	14	3624 TCS	14	3624 TCF	12	31	787	19	483
	36304 TCS NK	36304 TCF NK	36.00x30.00x4.00	914x762x102	12	3630 TCS	12	3630 TCF	12	31	787	25	635
	36364 TCS NK	36364 TCF NK	36.00x36.00x4.00	914x914x102	12	3636 TCS	12	3636 TCF	12	31	787	31	787
	48244 TCS	48244 TCF	48.00x24.00x4.00	1219x610x102	14	4824 TCS	12	4824 TCF	12	43	1092	19	483
	48364 TCS NK	48364 TCF NK	48.00x36.00x4.00	1219x914x102	12	4836 TCS	10	4836 TCF	10	43	1092	31	787
	48484 TCS NK	48484 TCF NK	48.00x48.00x4.00	1219x1219x102	12	4848 TCS	10	4848 TCF	10	43	1092	43	1092
6	10106 TCS	10106 TCF	10.00x10.00x6.00	254x254x152	16	1010 TCS	16	1010 TCF	14	6	152	6	152
	1286 TCS	1286 TCF	12.00x8.00x6.00	305x203x152	16	128 TCS	16	128 TCF	14	8	203	5	127
	12106 TCS	12106 TCF	12.00x10.00x6.00	305x254x152	16	1210 TCS	16	1210 TCF	14	8	203	6	152
	12126 TCS	12126 TCF	12.00x12.00x6.00	305x305x152	16	1212 TCS	16	1212 TCF	14	8	203	8	203
	16126 TCS	16126 TCF	16.00x12.00x6.00	406x305x152	16	1612 TCS	16	1612 TCF	14	12	305	8	203
	18126 TCS	18126 TCF	18.00x12.00x6.00	457x305x152	16	1812 TCS	16	1812 TCF	14	14	356	8	203
	18156 TCS	18156 TCF	18.00x15.00x6.00	457x381x152	16	1815 TCS	16	1815 TCF	14	14	356	11	279
	18186 TCS	18186 TCF	18.00x18.00x6.00	457x457x152	16	1818 TCS	16	1818 TCF	12	14	356	14	356
	24126 TCS	24126 TCF	24.00x12.00x6.00	610x305x152	16	2412 TCS	16	2412 TCF	12	19	483	8	203
	24186 TCS	24186 TCF	24.00x18.00x6.00	610x457x152	16	2418 TCS	14	2418 TCF	12	19	483	14	356
	24246 TCS	24246 TCF	24.00x24.00x6.00	610x610x152	14	2424 TCS	14	2424 TCF	12	19	483	19	483
	30156 TCS	30156 TCF	30.00x15.00x6.00	762x381x152	16	3015 TCS	14	3015 TCF	12	25	635	11	279
	30186 TCS	30186 TCF	30.00x18.00x6.00	762x457x152	16	3018 TCS	14	3018 TCF	12	25	635	14	356
	30246 TCS	30246 TCF	30.00x24.00x6.00	762x610x152	14	3024 TCS	14	3024 TCF	12	25	635	19	483
	30306 TCS NK	30306 TCF NK	30.00x30.00x6.00	762x762x152	12	3030 TCS	12	3030 TCF	12	25	635	25	635
	36246 TCS	36246 TCF	36.00x24.00x6.00	914x610x152	14	3624 TCS	14	3624 TCF	12	31	787	19	483
	36306 TCS NK	36306 TCF NK	36.00x30.00x6.00	914x762x152	12	3630 TCS	12	3630 TCF	12	31	787	25	635
	36366 TCS NK	36366 TCF NK	36.00x36.00x6.00	914x914x152	12	3636 TCS	12	3636 TCF	12	31	787	31	787
	48246 TCS	48246 TCF	48.00x24.00x6.00	1219x610x152	14	4824 TCS	12	4824 TCF	12	43	1092	19	483
	48366 TCS NK	48366 TCF NK	48.00x36.00x6.00	1219x914x152	12	4836 TCS	10	4836 TCF	10	43	1092	31	787
	48486 TCS NK	48486 TCF NK	48.00x48.00x6.00	1219x1219x152	12	4848 TCS	10	4848 TCF	10	43	1092	43	1092

(1) Door opening is approximate.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

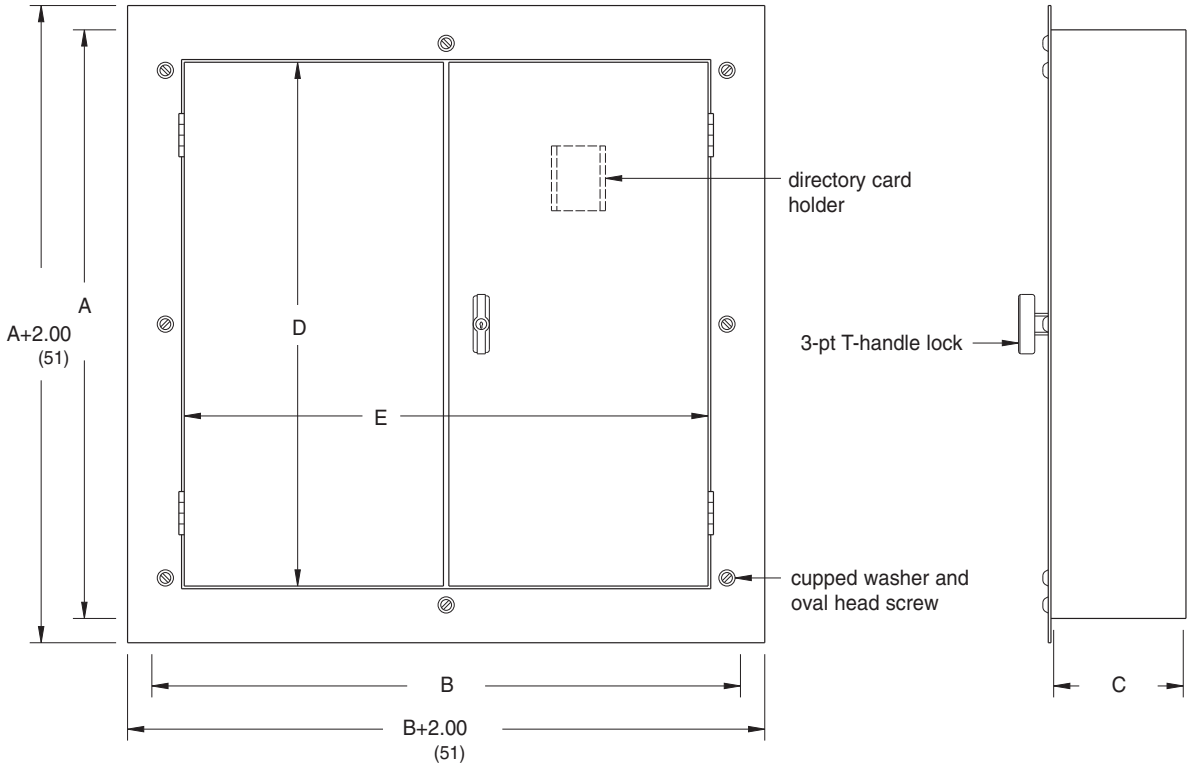
Type 1 Telephone Termination Cabinets

Illustration Sheet



Typical Single Door
(surface mount)

Note: Knockouts are standard on cabinets 24 inches wide and smaller. (See Type 1 Screw Cover Enclosures for KO configuration).



Typical Double Door
(flush mount)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Spare Fuse Cabinets
Data Sheet

Application
- Used for storage of spare fuses and component parts

Construction
- Cabinet and cover are fabricated from (18) gauge steel
- Cabinet body has keyhole slots positioned on 16 inch centers for convenient stud mounting
- Reversible door is secured to the body with spring-loaded hinges on one side and flush key lockable latch on the opposite side
- Each door has an inventory card pocket
- Two adjustable shelves are furnished and may be positioned in the cabinet without the use of tools
- Additional shelves may be ordered separately, (see table)

Standards
- Conforms to NEMA standard for Type 1

Finish
- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

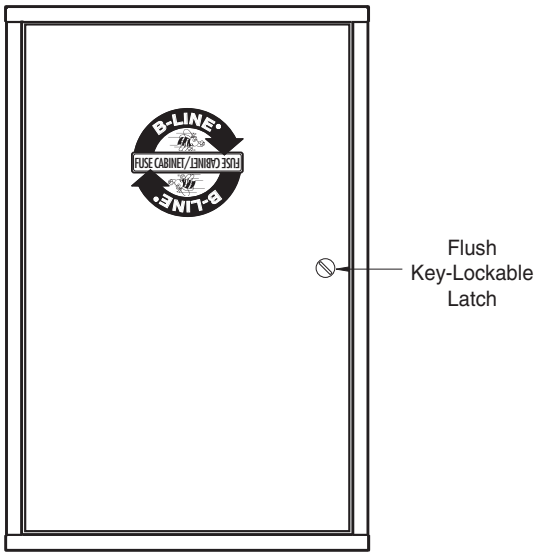
Accessories
- Shelves
- Touch-up paint
- See Accessories section

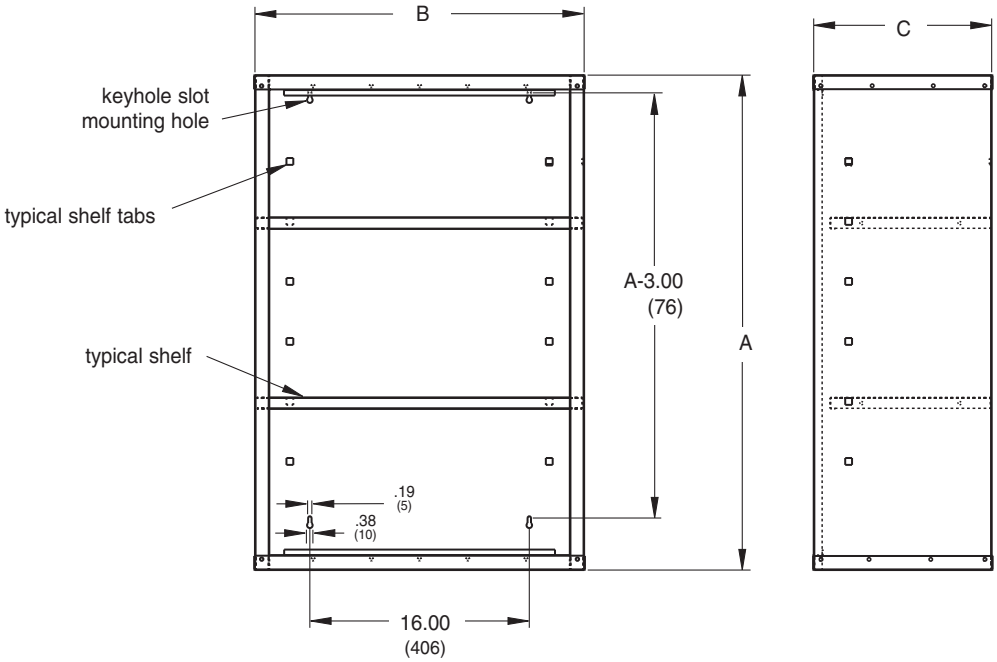
Cabinet Catalog Number	Cabinet Size Height x Width x Depth A x B x C in.	mm	Shelf Positions	Shelf Catalog Number
242412 FC	24.00x24.00x12.00	610x610x305	4	FCS2412
302412 FC	30.00x24.00x12.00	762x610x305	4	FCS2412
362412 FC	36.00x24.00x12.00	914x610x305	4	FCS2412
363012 FC	36.00x30.00x12.00	914x762x305	4	FCS3012

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Spare Fuse Cabinets

Illustration Sheet





Cabinet Front & Side
(door removed)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

TYPE 3/3R ENCLOSURES

Screw Cover Enclosures 74
Small Continuous Hinge Cover Enclosures 76
Large Continuous Hinge Cover Enclosures 78
Double-Door Enclosures 80
Hinge Cover Enclosures 82
Type 3 Screw Cover Enclosures 84
Type 3 Gasketed Screw Cover Enclosures 86
Telephone Termination Cabinets 88, 90, 92

Type 3R Screw Cover Enclosures - Painted & Galvanized

Data Sheet

Construction

- Enclosure and cover are fabricated from code gauge galvaneal steel for painted or galvanized steel, (see table)
- Enclosure body has embossed mounting holes on the back
- Available with or without knockouts on the bottom end of enclosures less than 30 inches wide
- Cover is held secure by sliding it under the top end flange and fastening it with plated screws on the bottom end flange, (larger sizes use two studs and wing nuts)
- #10-32 tapped hole provision for optional ground lug kit

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

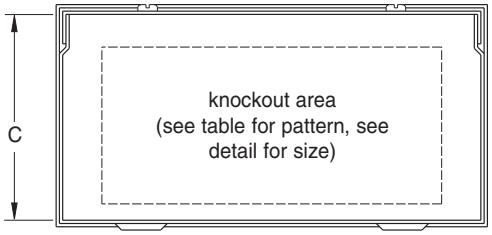
- Ground lug kit
- Touch-up paint
- See Accessories section

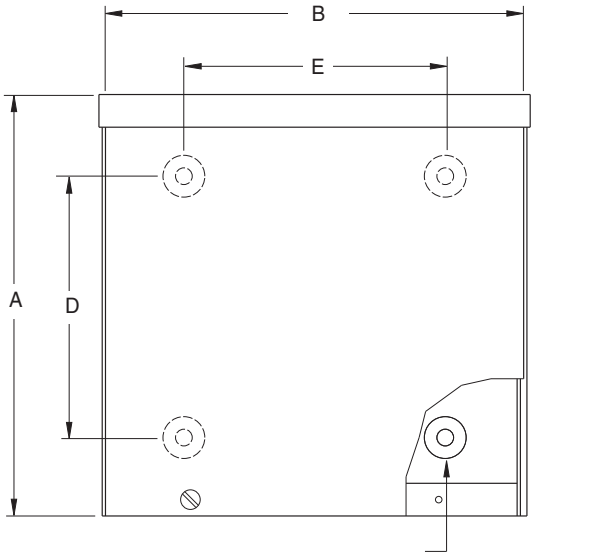
Application

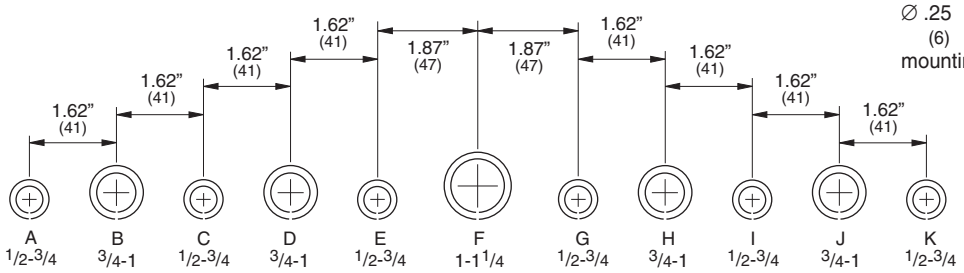
- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

Standards

- UL 50 listed, Type 3R
- CSA C22.2 No. 40 certified, Type 3R
- Conforms to NEMA standard for Type 3R
- IEC 60529, IP32







Conduit Sizes

Knockout Detail

Note: See table for applicable knockout pattern.

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3R Screw Cover Enclosures - Painted & Galvanized

Catalog Number

Enclosure Catalog Number				Enclosure Size Height x Width x Depth A x B x C		D		E			Knockout Pattern
Painted		Galvanized									
KO	No KO	KO	No KO	in.	mm	in.	mm	in.	mm	Gauge	Bottom
444 RTSC	444 RTSC NK	444 RTSCGV	444 RTSCGV NK	4.00x4.00x4.00	102x102x102	1.50	38	1.81	46	16	(C)(D)
644 RTSC	644 RTSC NK	644 RTSCGV	644 RTSCGV NK	6.00x4.00x4.00	152x102x102	3.50	89	1.81	46	16	(C)(D)
664 RTSC	664 RTSC NK	664 RTSCGV	664 RTSCGV NK	6.00x6.00x4.00	152x152x102	3.50	89	3.81	97	16	(C)(D)(E)
864 RTSC	864 RTSC NK	864 RTSCGV	864 RTSCGV NK	8.00x6.00x4.00	203x152x102	5.50	140	3.81	97	16	(C)(D)(E)
884 RTSC	884 RTSC NK	884 RTSCGV	884 RTSCGV NK	8.00x8.00x4.00	203x203x102	5.50	140	5.81	148	16	(G)(H)(I)(J)
1084 RTSC	1084 RTSC NK	1084 RTSCGV	1084 RTSCGV NK	10.00x8.00x4.00	254x203x102	7.50	191	5.81	148	16	(G)(H)(I)(J)
10104 RTSC	10104 RTSC NK	10104 RTSCGV	10104 RTSCGV NK	10.00x10.00x4.00	254x254x102	7.50	191	7.81	198	16	(D)(E)(F)(G)(H)
1284 RTSC	1284 RTSC NK	1284 RTSCGV	1284 RTSCGV NK	12.00x8.00x4.00	305x203x102	9.50	241	5.81	148	16	(G)(H)(I)(J)
12104 RTSC	12104 RTSC NK	12104 RTSCGV	12104 RTSCGV NK	12.00x10.00x4.00	305x254x102	9.50	241	7.81	198	16	(D)(E)(F)(G)(H)
12124 RTSC	12124 RTSC NK	12124 RTSCGV	12124 RTSCGV NK	12.00x12.00x4.00	305x305x102	9.50	241	9.81	249	16	(D)(E)(F)(G)(H)
15124 RTSC	15124 RTSC NK	15124 RTSCGV	15124 RTSCGV NK	15.00x12.00x4.00	381x305x102	12.50	318	9.81	249	16	(D)(E)(F)(G)(H)
16124 RTSC	16124 RTSC NK	16124 RTSCGV	16124 RTSCGV NK	16.00x12.00x4.00	406x305x102	13.50	343	9.81	249	16	(D)(E)(F)(G)(H)
16164 RTSC	16164 RTSC NK	16164 RTSCGV	16164 RTSCGV NK	16.00x16.00x4.00	406x406x102	13.50	343	13.81	351	16	(C)(D)(E)(F)(G)(H)(I)
18124 RTSC	18124 RTSC NK	18124 RTSCGV	18124 RTSCGV NK	18.00x12.00x4.00	457x305x102	15.50	394	9.81	249	16	(D)(E)(F)(G)(H)
18184 RTSC	18184 RTSC NK	18184 RTSCGV	18184 RTSCGV NK	18.00x18.00x4.00	457x457x102	15.50	394	15.81	402	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)
24244 RTSC	24244 RTSC NK	24244 RTSCGV	24244 RTSCGV NK	24.00x24.00x4.00	610x610x102	21.50	546	21.56	548	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)
666 RTSC	666 RTSC NK	666 RTSCGV	666 RTSCGV NK	6.00x6.00x6.00	152x152x152	3.50	89	3.81	97	16	(C)(D)(E)
866 RTSC	866 RTSC NK	866 RTSCGV	866 RTSCGV NK	8.00x6.00x6.00	203x152x152	5.50	140	3.81	97	16	(C)(D)(E)
886 RTSC	886 RTSC NK	886 RTSCGV	886 RTSCGV NK	8.00x8.00x6.00	203x203x152	5.50	140	5.81	148	16	(G)(H)(I)(J)
1086 RTSC	1086 RTSC NK	1086 RTSCGV	1086 RTSCGV NK	10.00x8.00x6.00	254x203x152	7.50	191	5.81	148	16	(G)(H)(I)(J)
10106 RTSC	10106 RTSC NK	10106 RTSCGV	10106 RTSCGV NK	10.00x10.00x6.00	254x254x152	7.50	191	7.81	198	16	(D)(E)(F)(G)(H)
1286 RTSC	1286 RTSC NK	1286 RTSCGV	1286 RTSCGV NK	12.00x8.00x6.00	305x203x152	9.50	241	5.81	148	16	(G)(H)(I)(J)
12106 RTSC	12106 RTSC NK	12106 RTSCGV	12106 RTSCGV NK	12.00x10.00x6.00	305x254x152	9.50	241	7.81	198	16	(D)(E)(F)(G)(H)
12126 RTSC	12126 RTSC NK	12126 RTSCGV	12126 RTSCGV NK	12.00x12.00x6.00	305x305x152	9.50	241	9.81	249	16	(D)(E)(F)(G)(H)
16126 RTSC	16126 RTSC NK	16126 RTSCGV	16126 RTSCGV NK	16.00x12.00x6.00	406x305x152	13.50	343	9.81	249	16	(D)(E)(F)(G)(H)
16166 RTSC	16166 RTSC NK	16166 RTSCGV	16166 RTSCGV NK	16.00x16.00x6.00	406x406x152	13.50	343	13.81	351	16	(C)(D)(E)(F)(G)(H)(I)
18126 RTSC	18126 RTSC NK	18126 RTSCGV	18126 RTSCGV NK	18.00x12.00x6.00	457x305x152	15.50	394	9.81	249	16	(D)(E)(F)(G)(H)
18186 RTSC	18186 RTSC NK	18186 RTSCGV	18186 RTSCGV NK	18.00x18.00x6.00	457x457x152	15.50	394	15.81	402	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)
24126 RTSC	24126 RTSC NK	24126 RTSCGV	24126 RTSCGV NK	24.00x12.00x6.00	610x305x152	21.50	546	9.81	249	16	(D)(E)(F)(G)(H)
24186 RTSC	24186 RTSC NK	24186 RTSCGV	24186 RTSCGV NK	24.00x18.00x6.00	610x457x152	21.50	546	15.81	402	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)
24246 RTSC	24246 RTSC NK	24246 RTSCGV	24246 RTSCGV NK	24.00x24.00x6.00	610x610x152	21.50	546	21.56	548	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)
10108 RTSC	10108 RTSC NK	10108 RTSCGV	10108 RTSCGV NK	10.00x10.00x8.00	254x254x203	7.50	191	7.81	198	16	(D)(E)(F)(G)(H)
12128 RTSC	12128 RTSC NK	12128 RTSCGV	12128 RTSCGV NK	12.00x12.00x8.00	305x305x203	9.50	241	9.81	249	16	(D)(E)(F)(G)(H)
18128 RTSC	18128 RTSC NK	18128 RTSCGV	18128 RTSCGV NK	18.00x12.00x8.00	457x305x203	15.50	394	9.81	249	16	(D)(E)(F)(G)(H)
18188 RTSC	18188 RTSC NK	18188 RTSCGV	18188 RTSCGV NK	18.00x18.00x8.00	457x457x203	15.50	394	15.81	402	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)
24168 RTSC	24168 RTSC NK	24168 RTSCGV	24168 RTSCGV NK	24.00x16.00x8.00	610x406x203	21.50	546	13.81	351	16	(C)(D)(E)(F)(G)(H)(I)
24188 RTSC	24188 RTSC NK	24188 RTSCGV	24188 RTSCGV NK	24.00x18.00x8.00	610x457x203	21.50	546	15.81	402	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)
24248 RTSC	24248 RTSC NK	24248 RTSCGV	24248 RTSCGV NK	24.00x24.00x8.00	610x610x203	21.50	546	21.56	548	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)
121210 RTSC	121210 RTSC NK	121210 RTSCGV	121210 RTSCGV NK	12.00x12.00x10.00	305x305x254	9.50	241	9.81	249	16	(D)(E)(F)(G)(H)
181210 RTSC	181210 RTSC NK	181210 RTSCGV	181210 RTSCGV NK	18.00x12.00x10.00	457x305x254	15.50	394	9.81	249	16	(D)(E)(F)(G)(H)
181810 RTSC	181810 RTSC NK	181810 RTSCGV	181810 RTSCGV NK	18.00x18.00x10.00	457x457x254	15.50	394	15.81	402	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)
241810 RTSC	241810 RTSC NK	241810 RTSCGV	241810 RTSCGV NK	24.00x18.00x10.00	610x457x254	21.50	546	15.81	402	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)
242410 RTSC	242410 RTSC NK	242410 RTSCGV	242410 RTSCGV NK	24.00x24.00x10.00	610x610x254	21.50	546	21.56	548	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)
302410 RTSC	302410 RTSC NK	302410 RTSCGV	302410 RTSCGV NK	30.00x24.00x10.00	762x610x254	27.50	699	21.56	548	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)
-	303010 RTSC NK	-	303010 RTSCGV NK	30.00x30.00x10.00	762x762x254	27.50	699	27.56	700	12	-
242412 RTSC	242412 RTSC NK	242412 RTSCGV	242412 RTSCGV NK	24.00x24.00x12.00	610x610x305	21.50	546	21.56	548	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)
-	303012 RTSC NK	-	303012 RTSCGV NK	30.00x30.00x12.00	762x762x305	27.50	699	27.56	700	14	-
362412 RTSC	362412 RTSC NK	362412 RTSCGV	362412 RTSCGV NK	36.00x24.00x12.00	914x610x305	33.50	851	21.56	548	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)
-	363012 RTSC NK	-	363012 RTSCGV NK	36.00x30.00x12.00	914x762x305	33.50	851	27.56	700	12	-
-	363612 RTSC NK	-	363612 RTSCGV NK	36.00x36.00x12.00	914x914x305	33.50	851	33.56	852	12	-

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3R Small Continuous Hinge Cover Enclosures

Data Sheet

Application

- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

Standards

- UL 50 listed, Type 3R
- CSA C22.2 No. 40 certified, Type 3R
- Conforms to NEMA standard for Type 3R
- IEC 60529, IP32

Construction

- Enclosure and cover are fabricated from (16) gauge galvaneal steel
- Knockouts are furnished on bottom end
- Cover is secured to the body with a continuous hinge and stainless steel pin on one side and a padlockable draw pull catch on the opposite side
- #10-32 tapped hole provision for optional ground lug kit
- #10-32 weldnuts are furnished for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

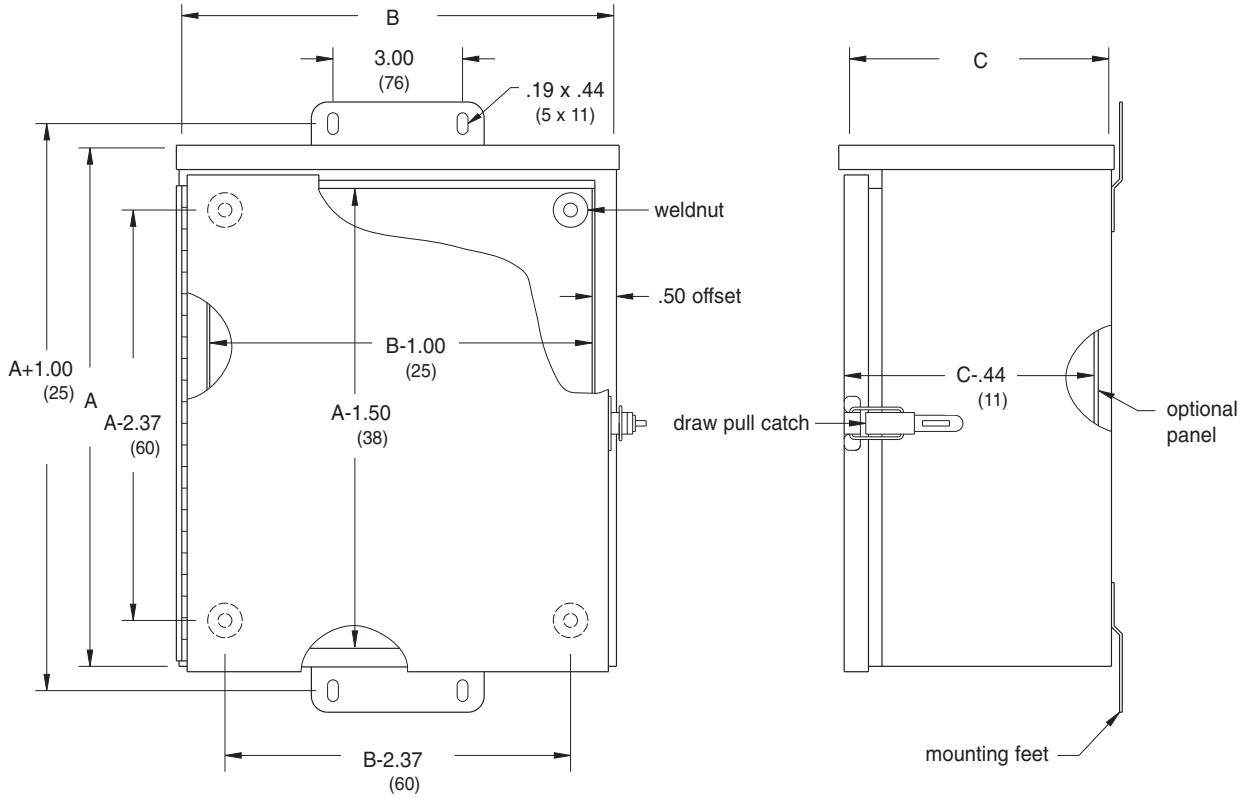
- Panels
- Ground lug kit
- Touch-up paint
- See Accessories section
- #8-32 self tapping screw (10168)

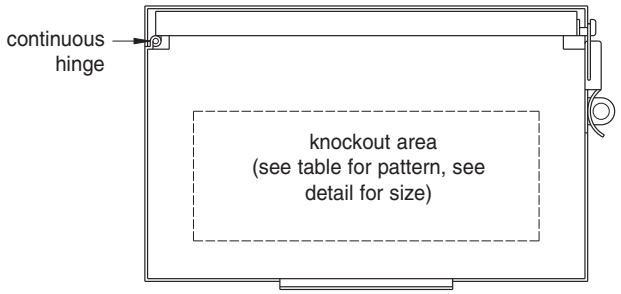
Enclosure	Enclosure Size Height x Width x Depth A x B x C		Knockout Pattern	Panel Catalog Number		Panel Height x Width	
Catalog Number	in.	mm	Bottom	Solid	Perforated	in.	mm
664 RHC	6.00x6.00x4.00	152x152x102	(I)(J)(K)	**N66P**	**N66PP**	4.25x4.25	108x108
864 RHC	8.00x6.00x4.00	203x152x102	(I)(J)(K)	**N86P**	**N86PP**	6.25x4.25	159x108
884 RHC	8.00x8.00x4.00	203x203x102	(I)(J)(K)(L)	**N88P**	**N88PP**	6.25x6.25	159x159
886 RHC	8.00x8.00x6.00	203x203x152	(I)(J)(K)(L)	**N88P**	**N88PP**	6.25x6.25	159x159
1086 RHC	10.00x8.00x6.00	254x203x152	(I)(J)(K)(L)	**N108P**	**N108PP**	8.25x6.25	210x159
12106 RHC	12.00x10.00x6.00	305x254x152	(H)(I)(J)(K)(L)	**N1210P**	**N1210PP**	10.25x8.25	260x210
12126 RHC	12.00x12.00x6.00	305x305x152	(H)(I)(J)(K)(L)	**N1212P**	**N1212PP**	10.25x10.25	260x260

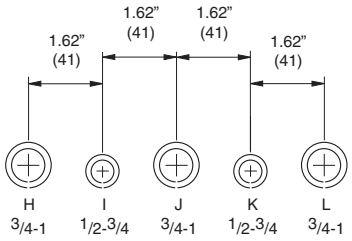
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3R Small Continuous Hinge Cover Enclosures

Illustration Sheet







Conduit Sizes

Knockout Detail

Note: See table for applicable knockout pattern.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3R Large Continuous Hinge Cover Enclosures

Data Sheet

Application

- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

Construction

- Enclosure and door are fabricated from code gauge galvaneal steel, (see table)
- Enclosure standard without knockouts
- Door is secured to the body with a continuous hinge and stainless steel pin on one side and captive screws on the opposite side
- Door has padlock hasp with sealing hole provision
- #10-32 tapped hole provision for optional ground lug kit
- .375-16 collar studs are furnished for mounting optional panel
- External mounting feet are provided for secure wall mounting

Standards

- UL 50 listed, Type 3R
- CSA C22.2 No. 40 certified, Type 3R
- Conforms to NEMA standard for Type 3R
- IEC 60529, IP32

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

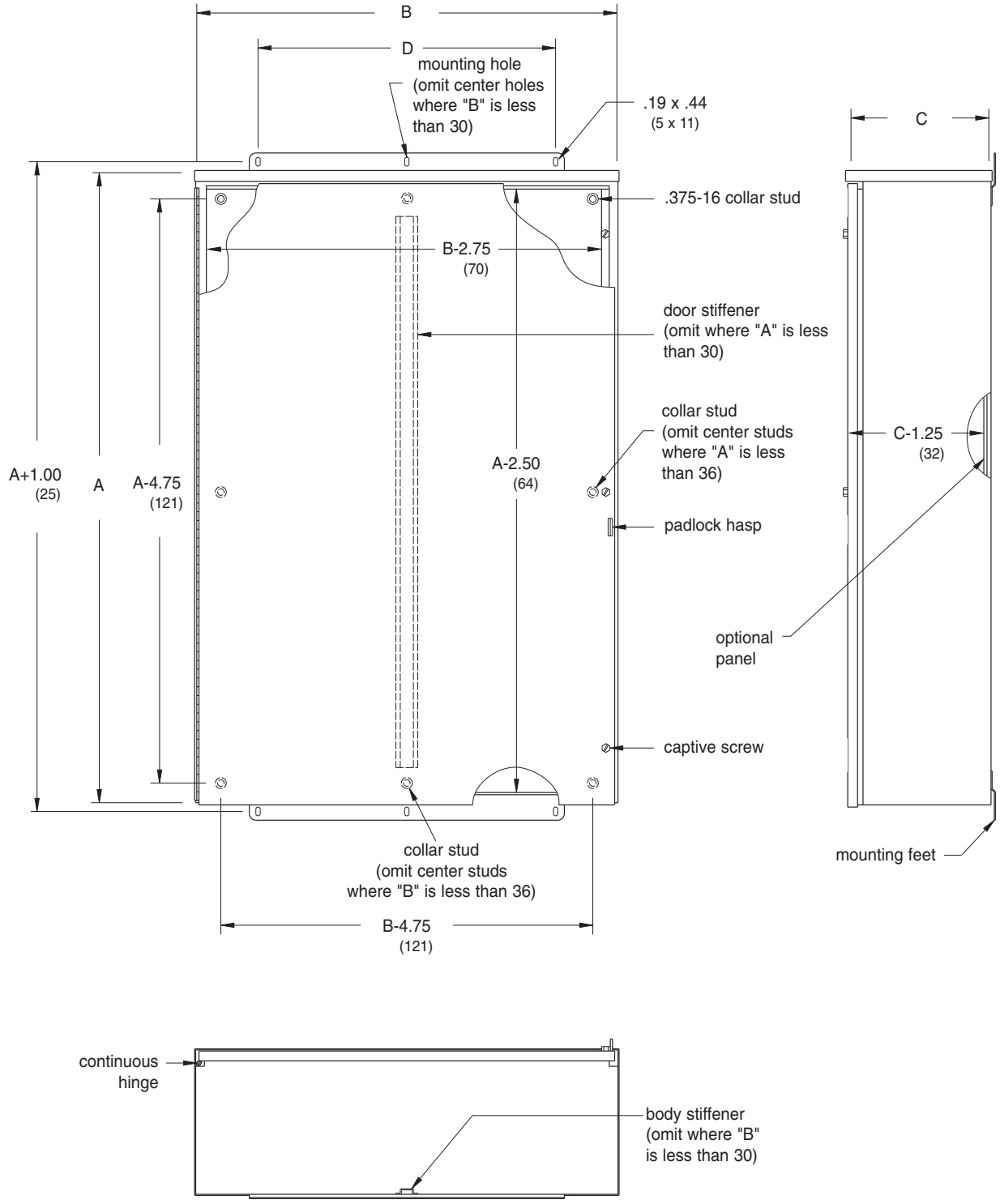
- Panels
- Ground lug kit
- Touch-up paint
- See Accessories section

Enclosure	Enclosure Size Height x Width x Depth A x B x C		D			Panel	Panel Size Height x Width	
Catalog Number	in.	mm	in.	mm	Gauge	Catalog Number	in.	mm
16126RHC	16.00x12.00x6.00	406x305x152	5.00	127	16	**N1612P**	13.00x9.00	330x229
16166RHC	16.00x16.00x6.00	406x406x152	9.00	229	16	**N1616P**	13.00x13.00	330x330
181810RHC	18.00x18.00x10.00	457x457x254	13.00	330	16	**N1818P**	15.00x15.00	381x381
20166RHC	20.00x16.00x6.00	508x406x152	9.00	229	16	**N2016P**	17.00x13.00	432x330
20208RHC	20.00x20.00x8.00	508x508x203	13.00	330	16	**N2020P**	17.00x17.00	432x432
24208RHC	24.00x20.00x8.00	610x508x203	13.00	330	16	**N2420P**	20.87x16.87	530x428
24248RHC	24.00x24.00x8.00	610x610x203	17.00	432	14	**N2424P**	20.87x20.87	530x530
30248RHC	30.00x24.00x8.00	762x610x203	17.00	432	14	**N3024P**	26.87x20.87	682x530
303012RHC	30.00x30.00x12.00	762x762x305	27.00	432	14	**N3030P**	26.87x26.87	682x682
362412RHC	36.00x24.00x12.00	914x610x305	17.00	432	14	**N3624P**	32.87x20.87	835x530
363012RHC	36.00x30.00x12.00	914x762x305	27.00	432	14	**N3630P**	32.87x26.87	835x682
363612RHC	36.00x36.00x12.00	914x914x305	27.00	432	14	**N3636P**	32.87x32.87	835x835
423012RHC	42.00x30.00x12.00	1067x762x305	27.00	432	14	**N4230P**	38.87x26.87	987x682
423612RHC	42.00x36.00x12.00	1067x914x305	27.00	432	14	**N4236P**	38.87x32.87	987x835
483612RHC	48.00x36.00x12.00	1219x914x305	27.00	432	14	**N4836P**	44.87x32.87	1140x835
603612RHC	60.00x36.00x12.00	1524x914x305	27.00	432	14	**N6036P**	56.87x32.87	1444x835

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3R Large Continuous Hinge Cover Enclosures

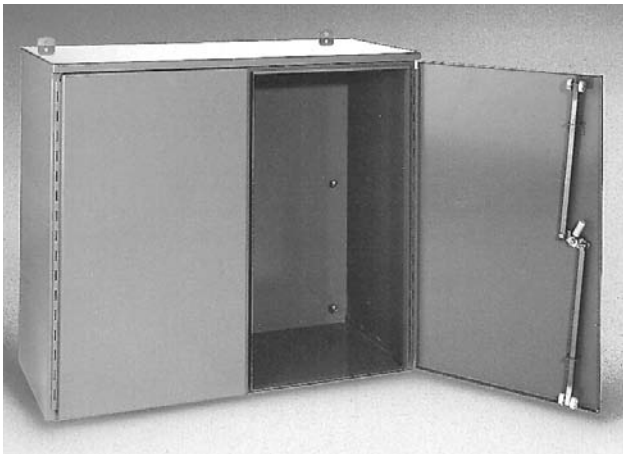
Illustration Sheet



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3R Double-Door Enclosures

Data Sheet



Application

- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

Standards

- UL 50 listed, Type 3R
- CSA C22.2 No. 40 certified, Type 3R
- Conforms to NEMA standard for Type 3R
- IEC 60529, IP32

Construction

- Enclosure and door are fabricated from (12) gauge steel
- Removable center post for complete front access
- Doors are secured to the body with a heavy-duty continuous hinge and stainless steel hinge pin with center locating 3-pt padlocking handle mechanism which closes the right side door over the left
- #10-32 tapped hole provision for optional ground lug kit
- .375-16 collar studs are furnished for mounting optional panel
- External mounting feet are provided for secure wall mounting
- No knockouts

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

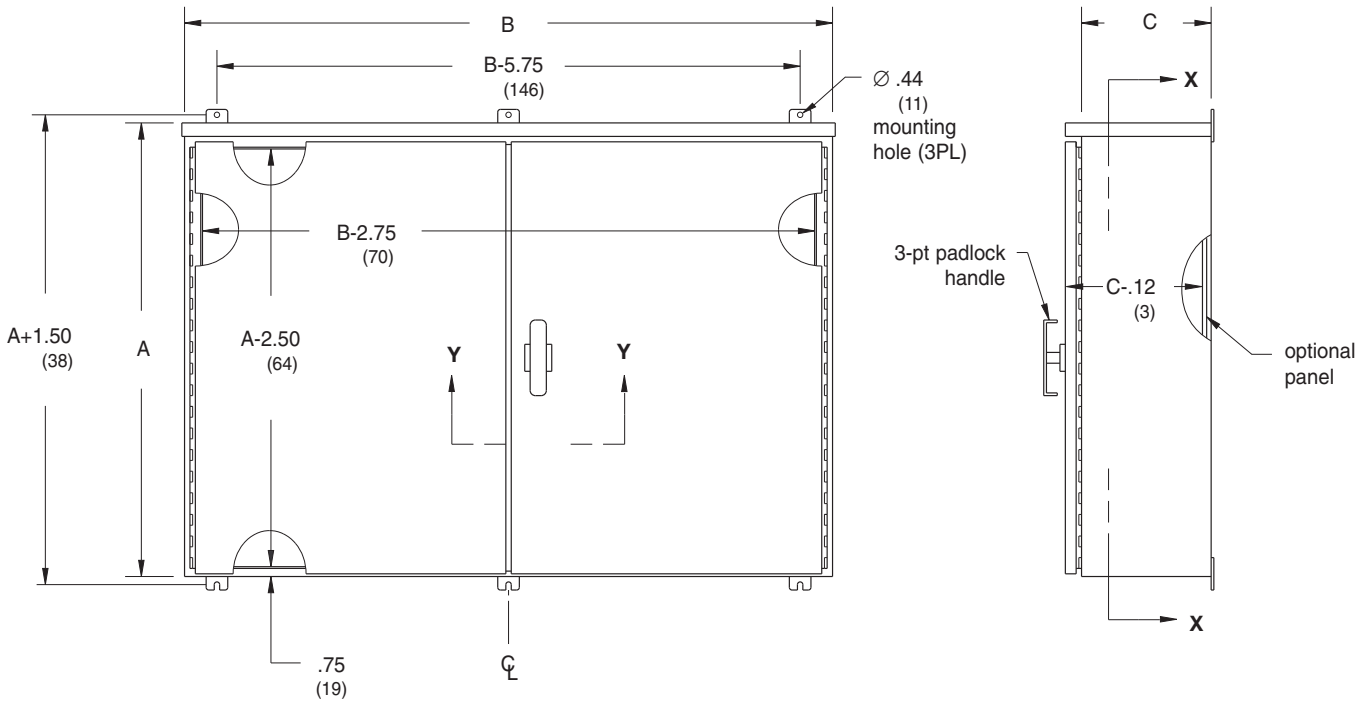
- Panels
- Type 3R door handle
- Ground lug kit
- Touch-up paint
- See Accessories section

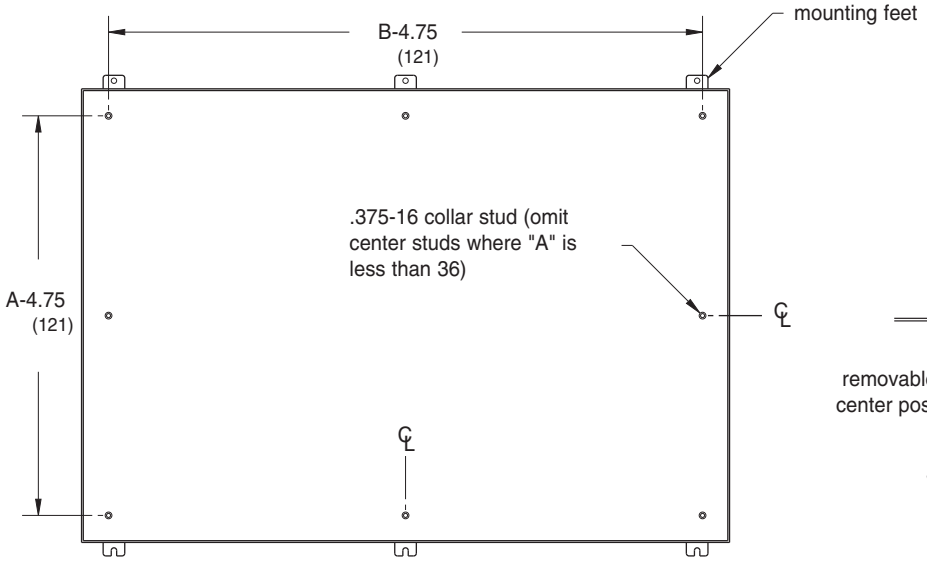
Enclosure	Enclosure Size Height x Width x Depth A x B x C		Panel	Panel Size Height x Width	
Catalog Number	in.	mm	Catalog Number	in.	mm
304212DRHC	30.00x42.00x12.00	762x1067x305	**N4230P**	26.87x38.87	682x987
364812DRHC	36.00x48.00x12.00	914x1219x305	**N4836P**	32.87x44.87	835x1140
303616DRHC	30.00x36.00x16.00	762x914x406	**N3630P**	26.87x32.87	682x835
364216DRHC	36.00x42.00x16.00	914x1067x406	**N4236P**	32.87x38.87	835x987

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

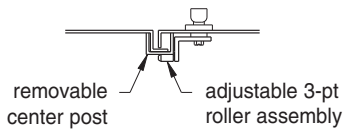
Type 3R Double-Door Enclosures

Illustration Sheet





Section X-X



Section Y-Y

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3R Hinge Cover Enclosures

Data Sheet

Application

- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

Standards

- UL 50 listed, Type 3R
- CSA C22.2 No. 40 certified, Type 3R
- Conforms to NEMA standard for Type 3R
- IEC 60529, IP32

Construction

- Enclosure and door are fabricated from code gauge galvaneal steel, (see table)
- Enclosure body has embossed mounting holes on the back
- Available with or without knockouts on the bottom end of enclosures less than 30 inches wide
- Cover is secured to the top end with galvanized, detachable formed hinges on sizes up to and including 18188
- Cover can be held in the open position by sliding it into notches on body
- Cover has padlock hasp and sealing hole provisions at the bottom
- #10-32 tapped hole provision for optional ground lug kit

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

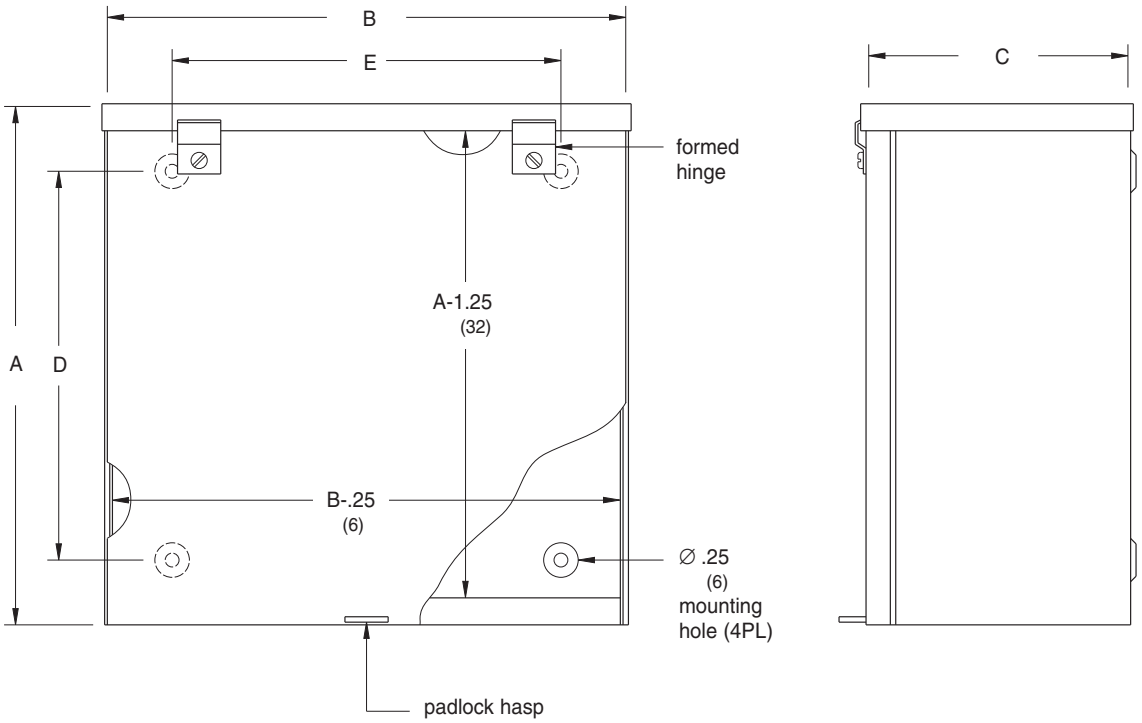
- Ground lug kit
- Touch-up paint
- See Accessories section

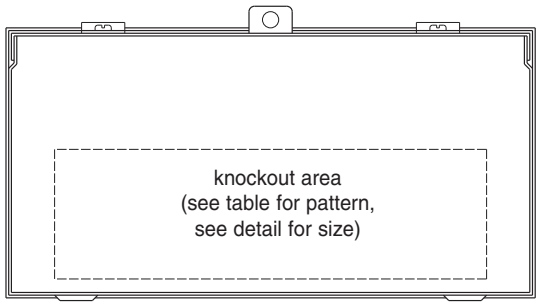
Enclosure Catalog Number		Enclosure Size Height x Width x Depth A x B x C		D		E		Gauge	Knockout Pattern
KO	No KO	in.	mm	in.	mm	in.	mm		Bottom
644 RTHC	644 RTHC NK	6.00x4.00x4.00	152x102x102	3.00	76	2.00	51	16	(C)(D)
664 RTHC	664 RTHC NK	6.00x6.00x4.00	152x152x102	3.00	76	4.00	102	16	(C)(D)(E)
864 RTHC	864 RTHC NK	8.00x6.00x4.00	203x152x102	5.00	127	4.00	102	16	(C)(D)(E)
884 RTHC	884 RTHC NK	8.00x8.00x4.00	203x203x102	5.00	127	5.00	127	16	(G)(H)(I)(J)
10104 RTHC	10104 RTHC NK	10.00x10.00x4.00	254x254x102	7.00	178	7.00	178	16	(D)(E)(F)(G)(H)
12124 RTHC	12124 RTHC NK	12.00x12.00x4.00	305x305x102	9.00	229	9.00	229	16	(D)(E)(F)(G)(H)
1286 RTHC	1286 RTHC NK	12.00x8.00x6.00	305x203x152	9.00	229	5.00	127	16	(G)(H)(I)(J)
12106 RTHC	12106 RTHC NK	12.00x10.00x6.00	305x254x152	9.00	229	7.00	178	16	(D)(E)(F)(G)(H)
12126 RTHC	12126 RTHC NK	12.00x12.00x6.00	305x305x152	9.00	229	9.00	229	16	(D)(E)(F)(G)(H)
18126 RTHC	18126 RTHC NK	18.00x12.00x6.00	457x305x152	15.00	381	9.00	229	16	(D)(E)(F)(G)(H)
12128 RTHC	12128 RTHC NK	12.00x12.00x8.00	305x305x203	9.00	229	9.00	229	16	(D)(E)(F)(G)(H)
18188 RTHC	18188 RTHC NK	18.00x18.00x8.00	457x457x203	15.00	381	15.00	381	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)
24188 RTHC	24188 RTHC NK	24.00x18.00x8.00	610x457x203	21.00	533	15.00	381	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)
24248 RTHC	24248 RTHC NK	24.00x24.00x8.00	610x610x203	21.00	533	20.00	508	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)
242410 RTHC	242410 RTHC NK	24.00x24.00x10.00	610x610x254	21.00	533	20.00	508	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)
362410 RTHC	362410 RTHC NK	36.00x24.00x10.00	914x610x254	33.00	838	20.00	508	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)
-	363012 RTHC NK	36.00x30.00x12.00	914x762x305	33.00	838	26.00	508	12	-

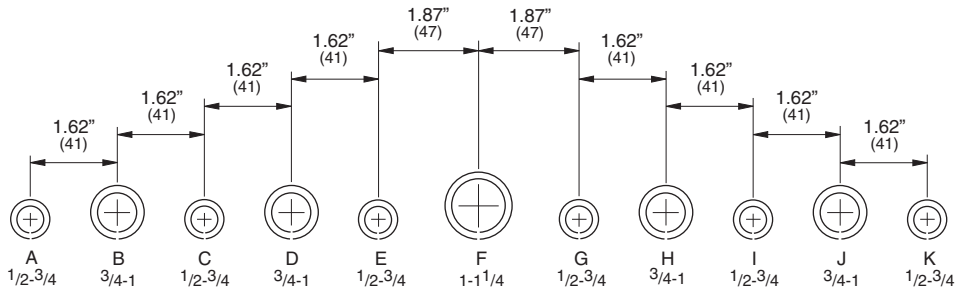
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3R Hinge Cover Enclosures

Illustration Sheet







Conduit Sizes

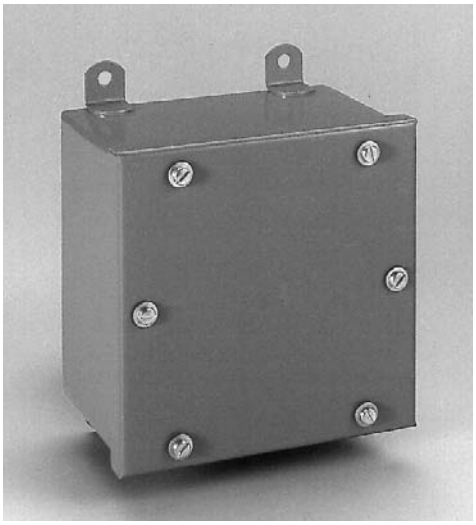
Knockout Detail

Note: See table for applicable knockout pattern.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3 Screw Cover Enclosures

Data Sheet



Application

- Used as wiring boxes, junction and pull boxes
- Protects against windblown dust, rain, sleet and external ice formation

Construction

- Enclosure and door are fabricated from code gauge steel, (see table)
- All continuous welded seams are finished smooth
- Enclosure standard without knockouts
- Cover is attached with gasketed screws
- Cover has flanged sides which secure a fixed, water and ice-resistant gasket
- #10-32 weld stud is furnished for optional ground lug kit
- External mounting feet are provided for secure wall mounting

Standards

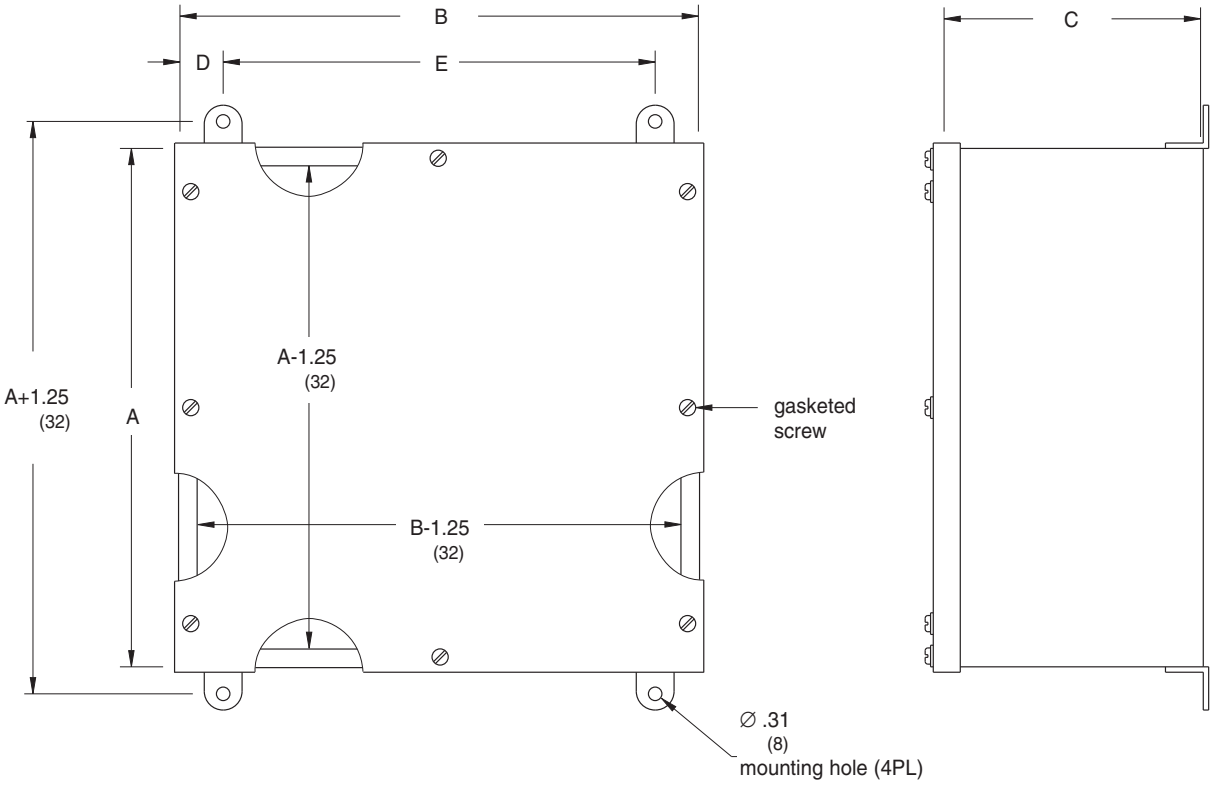
- UL 50 listed, Type 3, (unless noted)
- CSA C22.2 No. 40 certified, Type 3
- Conforms to NEMA standard for Type 3
- IEC 60529, IP66

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Ground lug kit
- Touch-up paint
- See Accessories section



Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3 Screw Cover Enclosures

Catalog Number

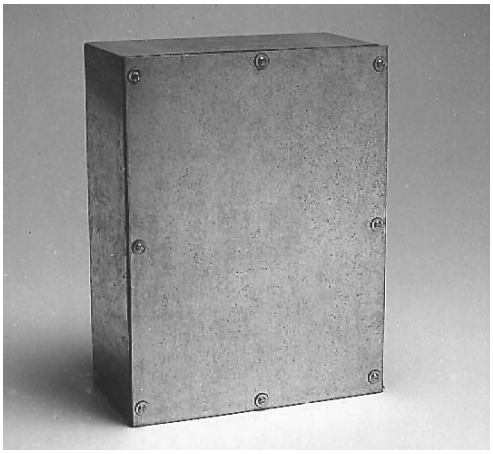
Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	D in.	D mm	E in.	E mm	Gauge
444 WPSC*	4.00x4.00x4.00	102x102x102	2.00	51	-	-	16
644 WPSC*	6.00x4.00x4.00	152x102x102	2.00	51	-	-	16
664 WPSC	6.00x6.00x4.00	152x152x102	1.00	25	4.00	102	16
864 WPSC	8.00x6.00x4.00	203x152x102	1.00	25	4.00	102	16
884 WPSC	8.00x8.00x4.00	203x203x102	1.00	25	6.00	152	16
1084 WPSC	10.00x8.00x4.00	254x203x102	1.00	25	6.00	152	16
10104 WPSC	10.00x10.00x4.00	254x254x102	1.00	25	8.00	203	16
12124 WPSC	12.00x12.00x4.00	305x305x102	1.00	25	10.00	254	16
18184 WPSC	18.00x18.00x4.00	457x457x102	1.00	25	16.00	406	16
666 WPSC	6.00x6.00x6.00	152x152x152	1.00	25	4.00	102	16
886 WPSC	8.00x8.00x6.00	203x203x152	1.00	25	6.00	152	16
10106 WPSC	10.00x10.00x6.00	254x254x152	1.00	25	8.00	203	16
1286 WPSC	12.00x8.00x6.00	305x203x152	1.00	25	6.00	152	16
12126 WPSC	12.00x12.00x6.00	350x305x152	1.00	25	10.00	254	16
16126 WPSC	16.00x12.00x6.00	381x305x152	1.00	25	10.00	254	16
18126 WPSC	18.00x12.00x6.00	457x305x152	1.00	25	10.00	254	16
18186 WPSC	18.00x18.00x6.00	457x457x152	1.00	25	16.00	406	16
24186 WPSC	24.00x18.00x6.00	610x457x152	1.00	25	16.00	406	16
24246 WPSC	24.00x24.00x6.00	610x610x152	1.00	25	22.00	559	14
12128 WPSC	12.00x12.00x8.00	305x305x203	1.00	25	10.00	254	16
18188 WPSC	18.00x18.00x8.00	457x457x203	1.00	25	16.00	406	16
24248 WPSC	24.00x24.00x8.00	610x610x203	1.00	25	22.00	559	14
302410 WPSC	30.00x24.00x10.00	762x610x254	1.00	25	22.00	559	14

* UL 508 listed, Type 3.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3 Gasketed Screw Cover Enclosures

Data Sheet



Application

- Used as wiring boxes, junction and pull boxes
- Intended for indoor or outdoor use
- Protects against windblown dust, rain, sleet, external ice formation and dripping noncorrosive liquids

Construction

- Enclosure and cover are fabricated from code gauge G-90 grade galvanized steel, (see table)
- All continuous welded seams are finished smooth
- Enclosure standard without knockouts
- Cover is attached with gasketed screws
- Cover has a fixed, oil and water resistant gasket
- #10-32 weldnut is furnished for optional ground lug kit

Standards

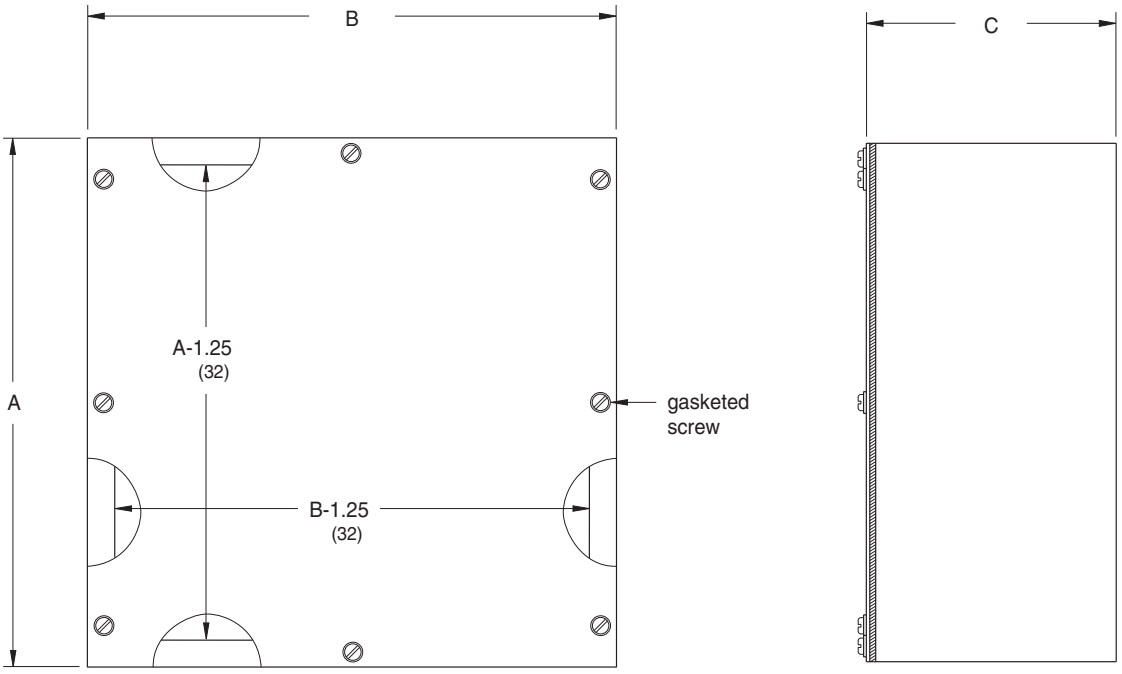
- UL 508 listed, Type 3 and Type 12
- Conforms to NEMA standard for Type 3 and Type 12
- IEC 60529, IP66

Finish

- Bright galvanized finish
- Zinc-rich coating over all external welds

Accessories

- Ground lug kit
- See Accessories section



Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3 Gasketed Screw Cover Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Body Gauge	Cover Gauge
444 SCG	4.00x4.00x4.00	102x102x102	14	14
664 SCG	6.00x6.00x4.00	152x152x102	14	14
864 SCG	8.00x6.00x4.00	203x152x102	14	12
884 SCG	8.00x8.00x4.00	203x203x102	14	12
1084 SCG	10.00x8.00x4.00	254x203x102	14	12
10104 SCG	10.00x10.00x4.00	254x254x102	14	12
12124 SCG	12.00x12.00x4.00	305x305x102	14	12
666 SCG	6.00x6.00x6.00	152x152x152	14	12
886 SCG	8.00x8.00x6.00	203x203x152	14	12
10106 SCG	10.00x10.00x6.00	254x254x152	14	12
12106 SCG	12.00x10.00x6.00	305x254x152	14	12
12126 SCG	12.00x12.00x6.00	305x305x152	14	12
16126 SCG	16.00x12.00x6.00	406x305x152	14	12
16166 SCG	16.00x16.00x6.00	406x406x152	14	10
18186 SCG	18.00x18.00x6.00	457x457x152	14	10
20166 SCG	20.00x16.00x6.00	508x406x152	14	10
24246 SCG	24.00x24.00x6.00	610x610x152	14	10
12128 SCG	12.00x12.00x8.00	305x305x203	14	10
20208 SCG	20.00x20.00x8.00	508x508x203	14	10
24208 SCG	24.00x20.00x8.00	610x508x203	14	10
24248 SCG	24.00x24.00x8.00	610x610x203	14	10
242412 SCG	24.00x24.00x12.00	610x610x305	14	10
303012 SCG	30.00x30.00x12.00	762x762x305	14	10
363612 SCG	36.00x36.00x12.00	914x914x305	14	10

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3R Telephone Termination Cabinets

Data Sheet

Application

- Used as telephone and communication cable termination and spare fuse cabinets
- Protects against falling rain, sleet and external ice formation

Construction

- Cabinet and door are fabricated from code gauge galvaneal steel, (see table)
- Cabinet body has embossed mounting holes on the back
- Knockouts are standard on bottom end
- Door is secured to the body with heavy-duty hinges on one side and a T-handle lock with key on the opposite side

Standards

- UL 1863 listed, Type 3R
- Conforms to NEMA standard for Type 3R
- IEC 60529, IP32

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

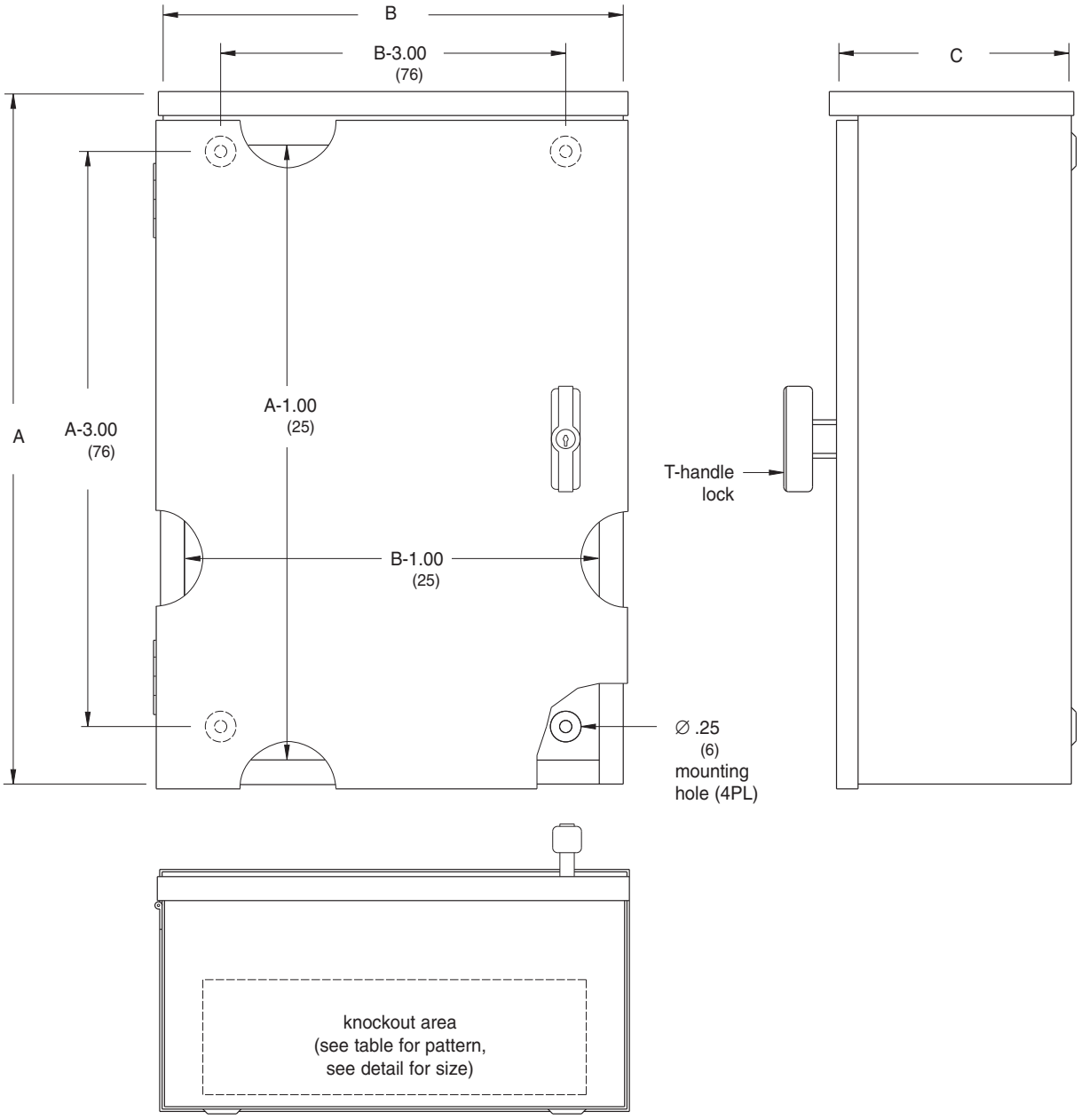
- Locks
- Terminal blocks
- Wood back boards, barriers and shelves
- Touch-up paint
- See Accessories section

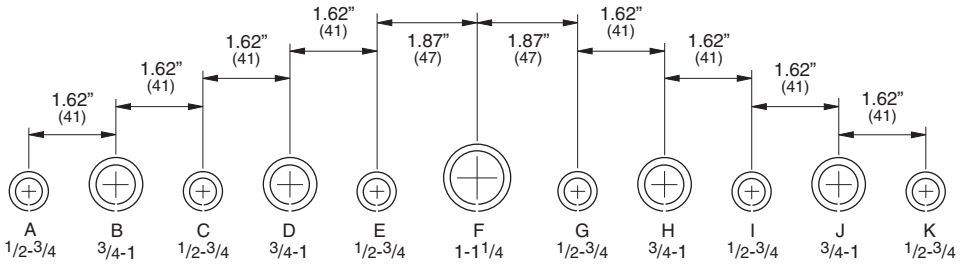
Cabinet Catalog Number	Cabinet Size Height x Width x Depth A x B x C in.	mm	Gauge	Knockout Pattern Bottom
664 RTC	6.00x6.00x4.00	152x152x102	18	C D E
884 RTC	8.00x8.00x4.00	203x203x102	18	G H I J
12124 RTC	12.00x12.00x4.00	305x305x102	18	D E F G H
12126 RTC	12.00x12.00x6.00	305x305x152	18	D E F G H
18126 RTC	18.00x12.00x6.00	457x305x152	18	D E F G H
18186 RTC	18.00x18.00x6.00	457x457x152	16	B C D E F G H I J
24126 RTC	24.00x12.00x6.00	610x305x152	18	D E F G H
24186 RTC	24.00x18.00x6.00	610x457x152	16	B C D E F G H I J
24246 RTC	24.00x24.00x6.00	610x610x152	14	B C D E F G H I J
30246 RTC	30.00x24.00x6.00	762x610x152	14	B C D E F G H I J
36246 RTC	36.00x24.00x6.00	914x610x152	14	B C D E F G H I J
12128 RTC	12.00x12.00x8.00	305x305x203	18	D E F G H
18188 RTC	18.00x18.00x8.00	457x457x203	16	B C D E F G H I J
24248 RTC	24.00x24.00x8.00	610x610x203	14	B C D E F G H I J

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3R Telephone Termination Cabinets

Illustration Sheet





Conduit Sizes

Knockout Detail

Note: See table for applicable knockout pattern.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3R Telephone Termination Cabinets

Data Sheet

Application

- Used as telephone and communication cable termination and spare fuse cabinets
- Protects against falling rain, sleet and external ice formation

Construction

- Cabinet and door are fabricated from code gauge galvaneal steel, (see table)
- Cabinet body has embossed mounting holes on the back
- Knockouts on bottom end are standard on cabinets 24 inches wide or smaller
- Door is secured to the body with heavy-duty hinges on one side and a T-handle lock with key on the opposite side
- .75 inch thick plywood back board is factory mounted
- 6-position ground circuit bar is provided

Standards

- UL 1863 listed, Type 3R
- Conforms to NEMA standard for Type 3R
- Conforms to Pacific Bell standards
- IEC 60529, IP32

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

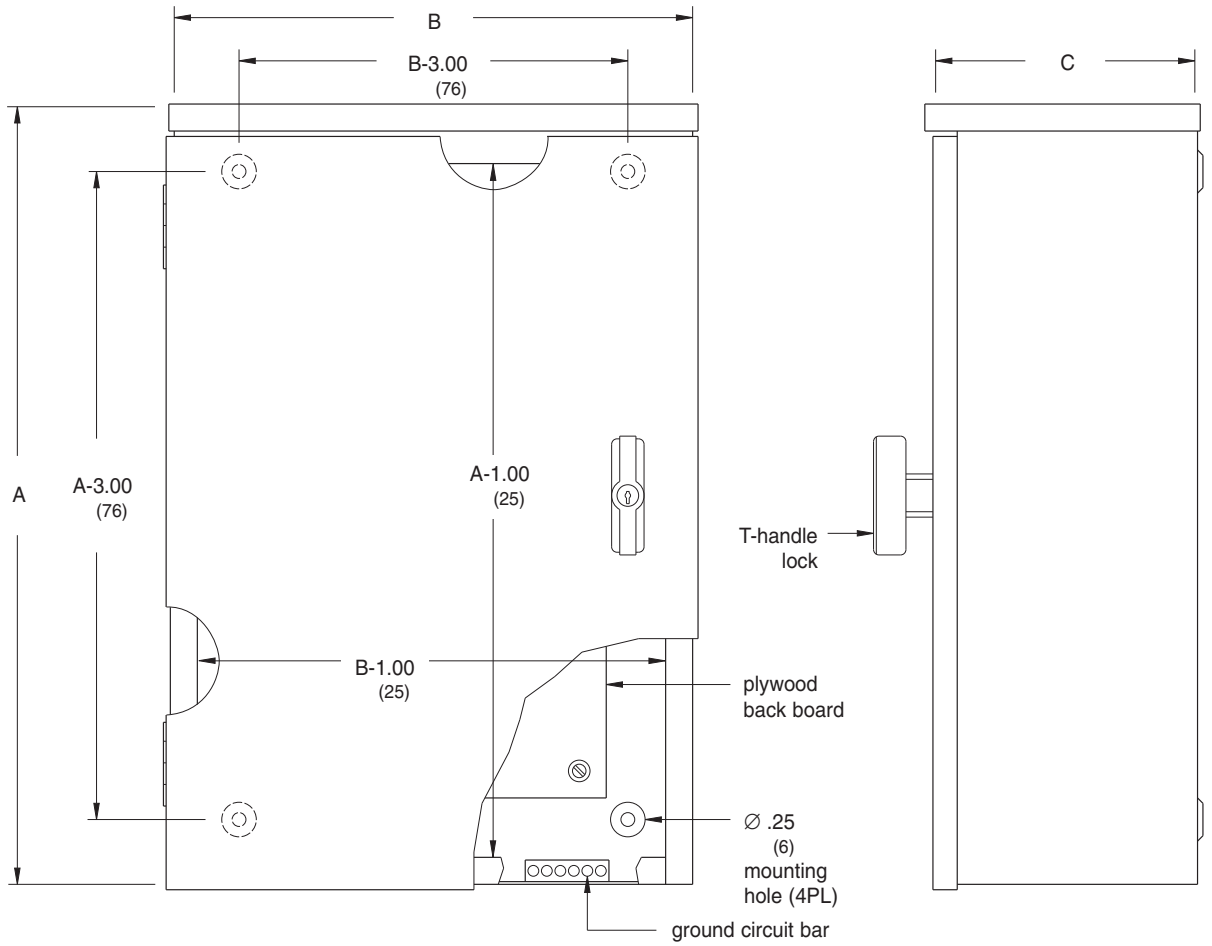
- Locks
- Terminal blocks
- Touch-up paint
- See Accessories section

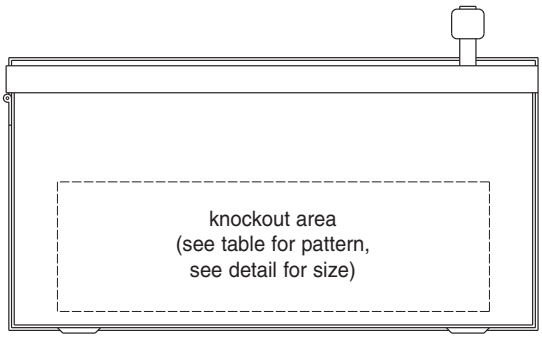
Cabinet Catalog Number	Cabinet Size Height x Width x Depth A x B x C in.	Cabinet Size Height x Width x Depth A x B x C mm	Gauge	Knockout Pattern Bottom	Wood Panel Size Height x Width in.	Wood Panel Size Height x Width mm
16124 PBRTC	16.00x12.00x4.00	406x305x102	18	(D)(E)(F)(G)(H)	13.00x9.00	330x229
18124 PBRTC	18.00x12.00x4.00	457x305x102	18	(D)(E)(F)(G)(H)	15.00x9.00	381x229
24124 PBRTC	24.00x12.00x4.00	610x305x102	18	(D)(E)(F)(G)(H)	21.00x9.00	533x229
24184 PBRTC	24.00x18.00x4.00	610x457x102	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)	21.00x15.00	533x381
30244 PBRTC	30.00x24.00x4.00	762x610x102	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)	27.00x21.00	686x533
12126 PBRTC	12.00x12.00x6.00	305x305x152	18	(D)(E)(F)(G)(H)	9.00x9.00	229x229
18126 PBRTC	18.00x12.00x6.00	457x305x152	18	(D)(E)(F)(G)(H)	15.00x9.00	381x229
18186 PBRTC	18.00x18.00x6.00	457x457x152	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)	15.00x15.00	381x381
24126 PBRTC	24.00x12.00x6.00	610x305x152	16	(D)(E)(F)(G)(H)	21.00x9.00	533x229
24186 PBRTC	24.00x18.00x6.00	610x457x152	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)	21.00x15.00	533x381
24246 PBRTC	24.00x24.00x6.00	610x610x152	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)	21.00x21.00	533x533
30246 PBRTC	30.00x24.00x6.00	762x610x152	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)	27.00x21.00	686x533
36246 PBRTC	36.00x24.00x6.00	914x610x152	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)	33.00x21.00	838x533
36306 PBRTC	36.00x30.00x6.00	914x762x152	13	-	33.00x27.00	838x686
36366 PBRTC	36.00x36.00x6.00	914x914x152	13	-	33.00x33.00	838x838
36308 PBRTC	36.00x30.00x8.00	914x762x203	13	-	33.00x27.00	838x686
36368 PBRTC	36.00x36.00x8.00	914x914x203	13	-	33.00x33.00	838x838

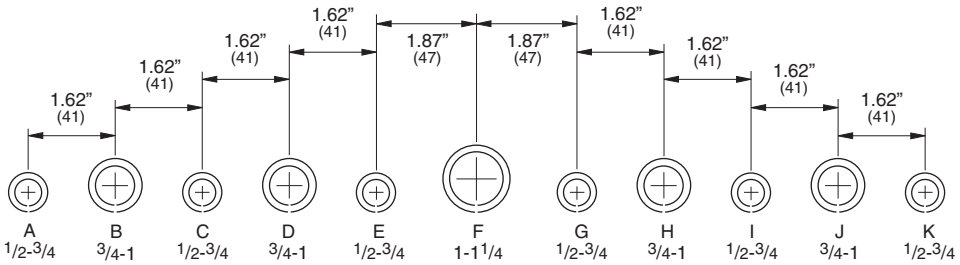
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3R Telephone Termination Cabinets

Illustration Sheet







Conduit Sizes

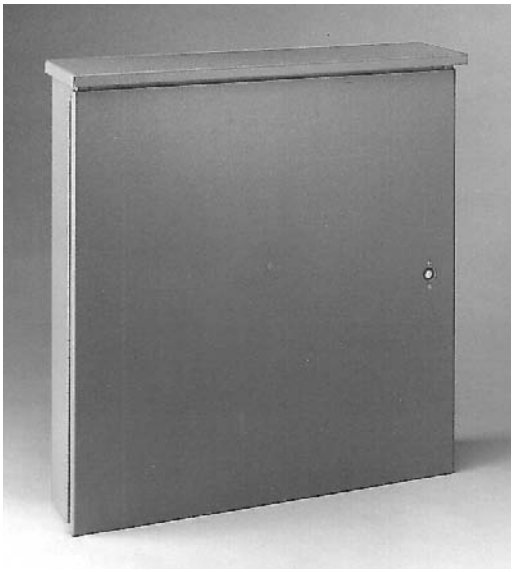
Knockout Detail

Note: See table for applicable knockout pattern.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3R Telephone Termination Cabinets

Data Sheet



Application

- Used as telephone and communication cable termination cabinet

Standards

- Conforms to Mountain Bell Standard
- Conforms to NEMA standard for Type 3R
- IEC 60529, IP32

Construction

- Cabinet and door are fabricated from 14 gauge galvaneal steel
- Knockouts are furnished on the bottom end for access into the cable splicing compartment, (refer to drawing)
- Door is held rigid with stiffeners
- Door is secured to the body with a continuous hinge and stainless steel pin on one side and a hex head flush latch on the opposite side
- Fixed barrier with access knockouts and separate cover isolates the cable splicing compartment
- .75 thick plywood back board is factory mounted

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

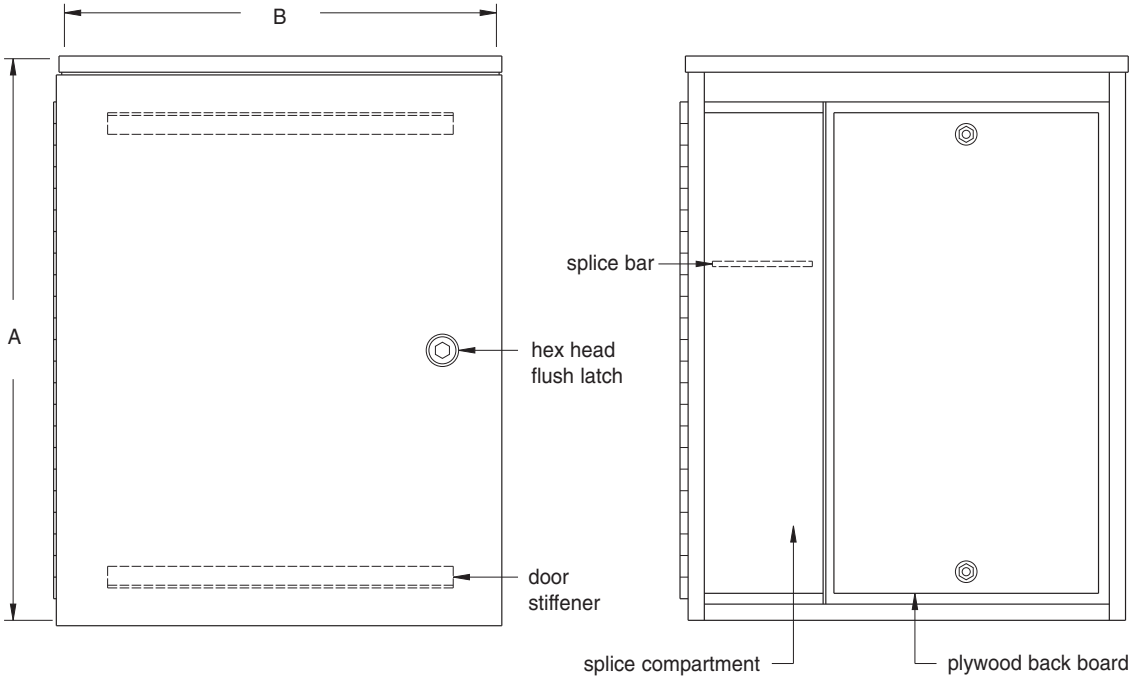
- Terminal blocks
- Touch-up paint
- See Accessories section

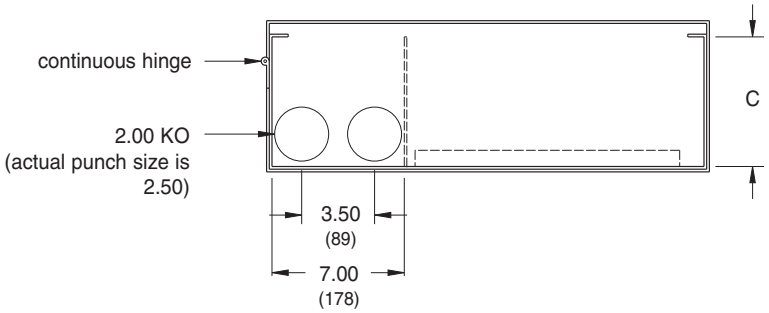
Cabinet Catalog Number	Cabinet Size Height x Width x Depth A x B x C in.	mm	Wood Panel Size Height x Width in.	mm
26245 MBTC	26.00x24.00x5.00	660x610x127	23.00x15.00	584x381
36305 MBTC	36.00x30.00x5.00	914x762x127	33.00x21.00	838x533
36365 MBTC	36.00x36.00x5.00	914x914x127	33.00x27.00	838x686
26246 MBTC	26.00x24.00x6.00	660x610x152	23.00x15.00	584x381
36306 MBTC	36.00x30.00x6.00	914x762x152	33.00x21.00	838x533
36366 MBTC	36.00x36.00x6.00	914x914x152	33.00x27.00	838x686

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3R Telephone Termination Cabinets

Illustration Sheet





Cabinet Bottom
(door removed)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

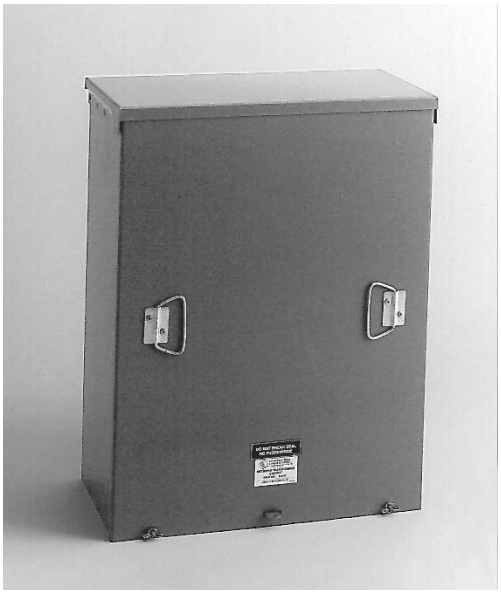
Notes

TYPE 3R CURRENT TRANSFORMER ENCLOSURES

Screw Cover Enclosures 96
Hinge Cover Enclosures 99

Type 3R Current Transformer Screw Cover Enclosures

Data Sheet



Application

- Designed to house current transformers
- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

Standards

- UL 414 listed, Type 3R
- Conforms to NEMA standard for Type 3R
- IEC 60529, IP32

Construction

- Enclosure and cover are fabricated from code gauge galvaneal steel, (see table)
- Enclosure body has mounting holes on the back
- .250-20 mounting studs are furnished on the enclosure body of most sizes for Utility current transformer mounting equipment, (see table)
- Cover is held secure by sliding it under the top end flange and fastening it to the bottom end and side flanges
- Cover mounting studs and wing nuts have a Utility sealing hole provision as well as a padlocking provision for sealing the cover to the enclosure
- Enclosures 36 inches wide x 42 inches high and larger have two overlapping covers
- Fixed cover handles (new design not shown)
- Ground lug is mounted on the inside bottom end of each cabinet

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

- Touch-up paint
- See Accessories section

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3R Current Transformer Screw Cover Enclosures

Catalog Number

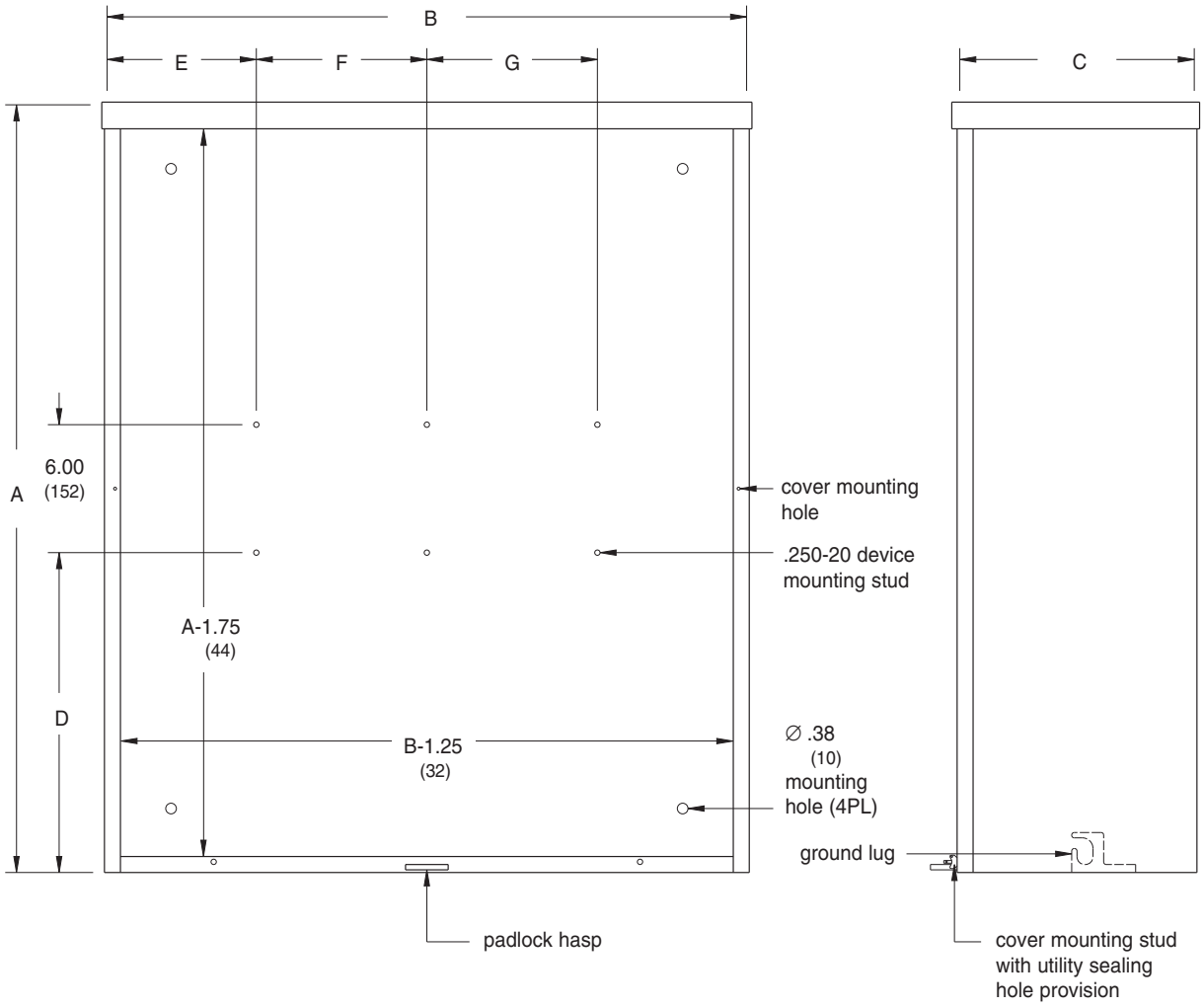
Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Gauge	D in.	D mm	E in.	E mm	F in.	F mm	G in.	G mm
18249 RTCT	24.00x18.00x9.00	610x457x229	16	-	-	-	-	-	-	-	-
24329 RTCT	32.00x24.00x9.00	813x610x229	14	-	-	-	-	-	-	-	-
242411 RTCT	24.00x24.00x11.00	610x610x279	14	9.00	229	8.00	203	8.00	203	-	-
243011 RTCT	30.00x24.00x11.00	762x610x279	14	12.00	305	8.00	203	8.00	203	-	-
243611 RTCT	36.00x24.00x11.00	914x610x279	14	15.00	381	8.00	203	8.00	203	-	-
244811 RTCT	48.00x24.00x11.00	1219x610x279	14	21.00	533	8.00	203	8.00	203	-	-
303011 RTCT	30.00x30.00x11.00	762x762x279	12	12.00	305	7.00	178	8.00	203	8.00	203
303611 RTCT	36.00x30.00x11.00	914x762x279	12	15.00	381	7.00	178	8.00	203	8.00	203
363611 RTCT	36.00x36.00x11.00	914x914x279	12	15.00	381	10.00	254	8.00	203	8.00	203
364211 RTCT	42.00x36.00x11.00	1067x914x279	12	18.00	457	10.00	254	8.00	203	8.00	203
364811 RTCT	48.00x36.00x11.00	1219x914x279	12	21.00	533	10.00	254	8.00	203	8.00	203
424211 RTCT	42.00x42.00x11.00	1067x1067x279	12	18.00	457	13.00	330	8.00	203	8.00	203
* **484811 RTCT**	48.00x48.00x11.00	1219x1219x279	12	-	-	-	-	-	-	-	-
303614 RTCT	36.00x30.00x14.00	914x762x356	12	15.00	381	7.00	178	8.00	203	8.00	203
364814 RTCT	48.00x36.00x14.00	1219x914x356	12	21.00	533	10.00	254	8.00	203	8.00	203

Consult the local Utility for area acceptance.
* Mounting studs not included.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3R Current Transformer Screw Cover Enclosures

Illustration Sheet



Front View
(cover removed)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3R Current Transformer Hinge Cover Enclosures

Data Sheet

Application

- Designed to house current transformers
- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and externa ice formation

Standards

- UL 414 listed, Type 3R
- Conforms to NEMA standard for Type 3R
- IEC 60529, IP32

Construction

- Enclosure and cover are fabricated from code gauge galvaneal steel, (see table)
- Enclosure body has mounting holes on the back
- .250-20 mounting studs are furnished on the enclosure body of most sizes for Utility current transformer mounting equipment, (see table)
- Covers are secured to the body with a heavy-duty slip-hinge on the left side and mounting studs and wing nuts with Utility sealing hole provisions on the opposite side
- Covers are completely removable when in the open position
- Fixed door handles (new design not shown)
- Ground lug is mounted on the inside bottom end of each cabinet

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

- Touch-up paint
- See Accessories section

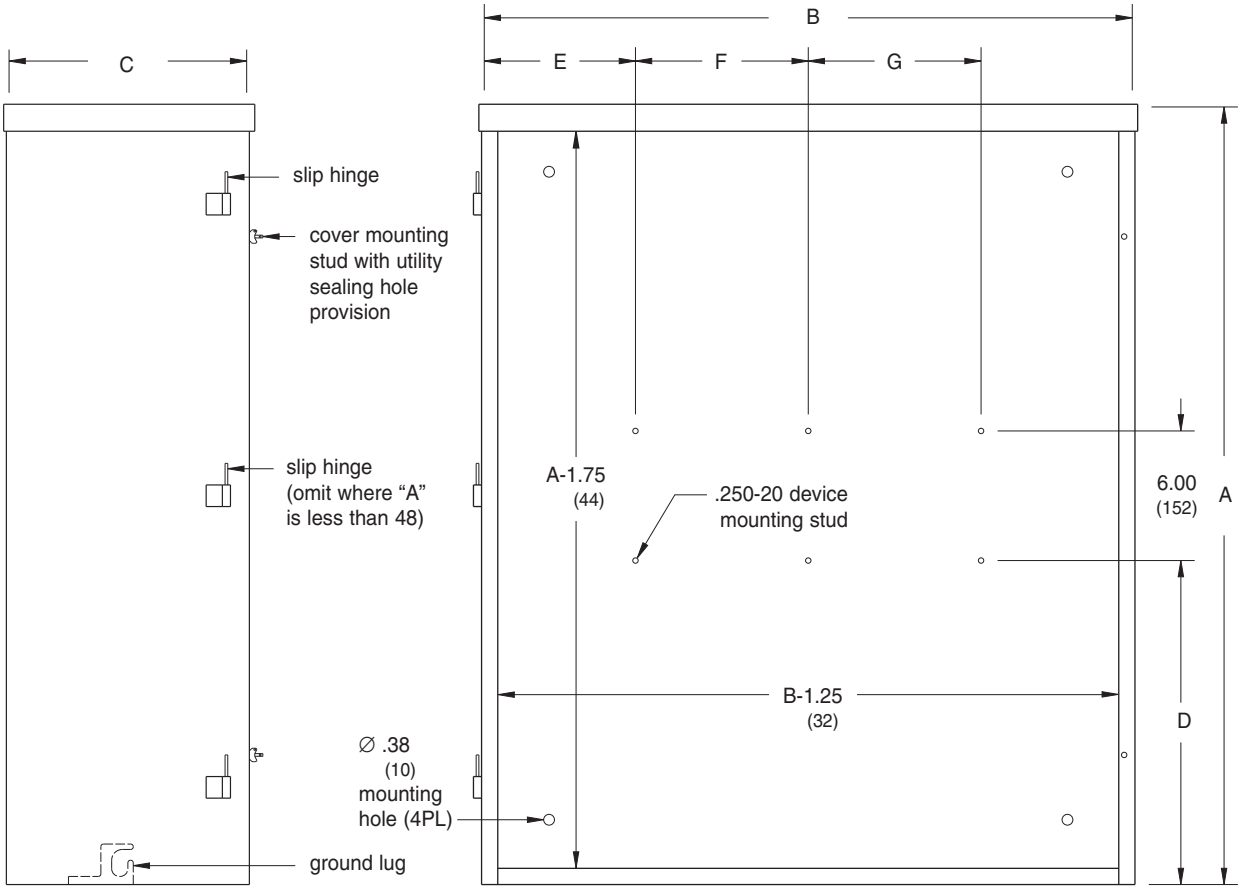
Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Gauge	D in.	D mm	E in.	E mm	F in.	F mm	G in.	G mm
203611 HRTCT	36.00x20.00x11.00	914x508x279	14	-	-	-	-	-	-	-	-
243011 HRTCT	30.00x24.00x11.00	762x610x279	14	12.00	305	8.00	203	8.00	203	-	-
244811 HRTCT	48.00x24.00x11.00	1219x610x279	14	21.00	533	8.00	203	8.00	203	-	-
303611 HRTCT	36.00x30.00x11.00	914x762x279	12	15.00	381	7.00	178	8.00	203	8.00	203
304811 HRTCT	48.00x30.00x11.00	1219x762x279	12	21.00	533	7.00	178	8.00	203	8.00	203
363611 HRTCT	36.00x36.00x11.00	914x914x279	12	15.00	381	10.00	254	8.00	203	8.00	203
364811 HRTCT	48.00x36.00x11.00	1219x914x279	12	21.00	533	10.00	254	8.00	203	8.00	203

Consult the local Utility for area acceptance.

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3R Current Transformer Hinge Cover Enclosures

Illustration Sheet



Side View
(cover removed)

Front View
(cover removed)

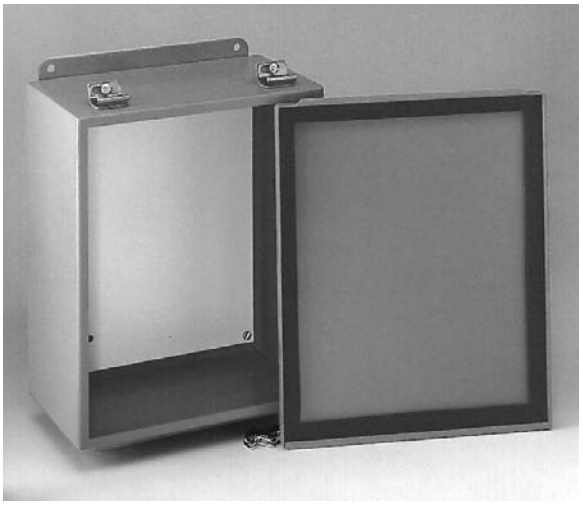
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

TYPE 12/13 ENCLOSURES

JIC Lift-Off Cover Enclosures 102
JIC Continuous Hinge Cover Enclosures 104
JIC Screw Cover Enclosures 106
JIC Continuous Hinge Screw Cover Enclosures 108
JIC Continuous Hinge Quick-Release Cover Enclosures 110
JIC Large Continuous Hinge Cover Enclosures 112
Type 12 “FTC” Continuous Hinge Cover Enclosures 114
Single-Door Enclosures 116
Terminal Enclosures 120
Double-Door Enclosures 122
Double-Door Stainless Steel Enclosures 124
Double-Door Floor-Standing Enclosures 126
Double-Door Floor-Standing Stainless Steel Enclosures 128
Free-Standing Enclosures 130
Free-Standing Stainless Steel Enclosures 131
Free-Standing Accessories 136
Free-Standing Multi-Door Enclosures 145

Type 12 JIC Lift-Off Cover Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with semi-hinge(s) on one side and easy-to-operate screw clamps mounted to the opposite side
- Chain holds cover to body when screw clamps are released
- Cover has a fixed, oil-resistant gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel on 6H x 4W and larger enclosures
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Hardware and clamps are zinc plated with a yellow chromate finish

Accessories

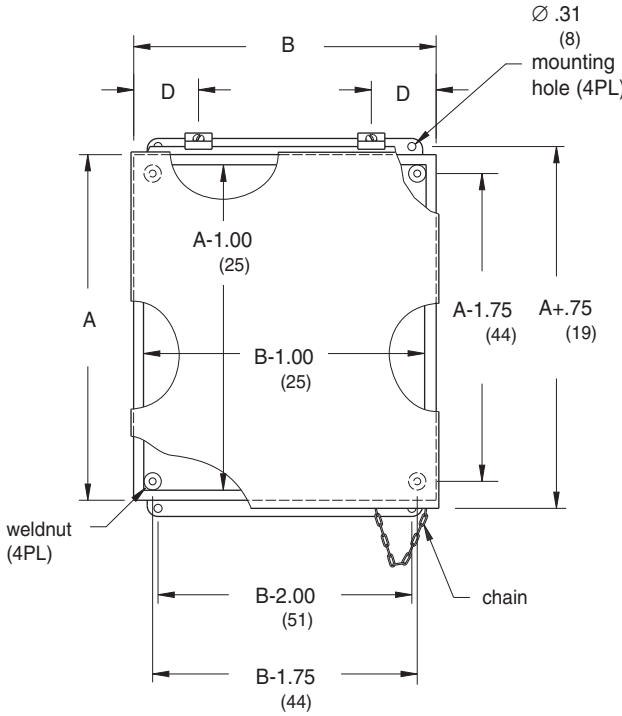
- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- Touch-up paint
- See Accessories section
- #8-32 self tapping screw (10168)

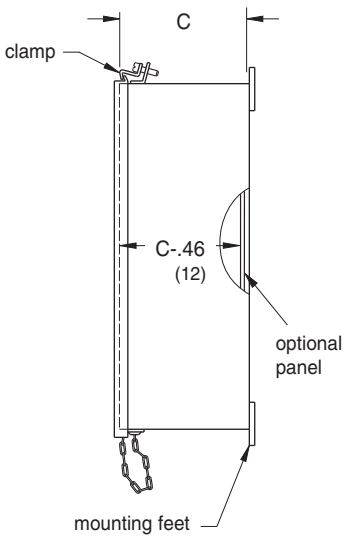
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

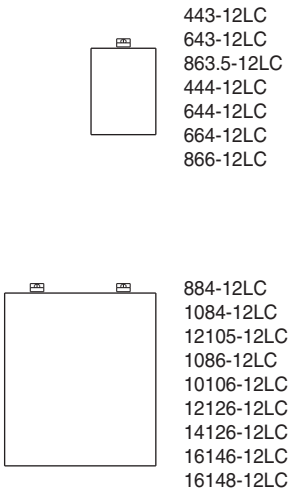
Type 12 JIC Lift-Off Cover Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	D in.	mm	Panel Catalog Number Solid	Perforarted	Panel Size Height x Width in.	mm
443-12LC	4.00x4.00x3.00	102x102x76	2.00	51	-	-	-	-
643-12LC	6.00x4.00x3.00	152x102x76	2.00	51	**AW64P**	**AW64PP**	4.87x2.87	124x73
863.5-12LC	8.00x6.00x3.50	203x152x89	3.00	76	**AW86P**	**AW86PP**	6.87x4.87	174x124
444-12LC	4.00x4.00x4.00	102x102x102	2.00	51	-	-	-	-
644-12LC	6.00x4.00x4.00	152x102x102	2.00	51	**AW64P**	**AW64PP**	4.87x2.87	124x73
664-12LC	6.00x6.00x4.00	152x152x102	3.00	76	**AW66P**	**AW66PP**	4.87x4.87	124x124
884-12LC	8.00x8.00x4.00	203x203x102	2.00	51	**AW88P**	**AW88PP**	6.87x6.87	174x174
1084-12LC	10.00x8.00x4.00	254x203x102	2.00	51	**AW108P**	**AW108PP**	8.87x6.87	225x174
12105-12LC	12.00x10.00x5.00	305x254x127	2.00	51	**AW1210P**	**AW1210PP**	10.87x8.87	276x225
866-12LC	8.00x6.00x6.00	203x152x152	3.00	76	**AW86P**	**AW86PP**	6.87x4.87	174x124
1086-12LC	10.00x8.00x6.00	254x203x152	2.00	51	**AW108P**	**AW108PP**	8.87x6.87	225x174
10106-12LC	10.00x10.00x6.00	254x254x152	2.00	51	**AW1010P**	**AW1010PP**	8.87x8.87	225x225
12126-12LC	12.00x12.00x6.00	305x305x152	3.00	76	**AW1212P**	**AW1212PP**	10.87x10.87	276x276
14126-12LC	14.00x12.00x6.00	356x305x152	3.00	76	**AW1412P**	**AW1412PP**	12.87x10.87	327x276
16146-12LC	16.00x14.00x6.00	406x356x152	3.00	76	**AW1614P**	**AW1614PP**	14.87x12.87	378x327
16148-12LC	16.00x14.00x8.00	406x356x203	3.00	76	**AW1614P**	**AW1614PP**	14.87x12.87	378x327







443-12LC
643-12LC
863.5-12LC
444-12LC
644-12LC
664-12LC
866-12LC

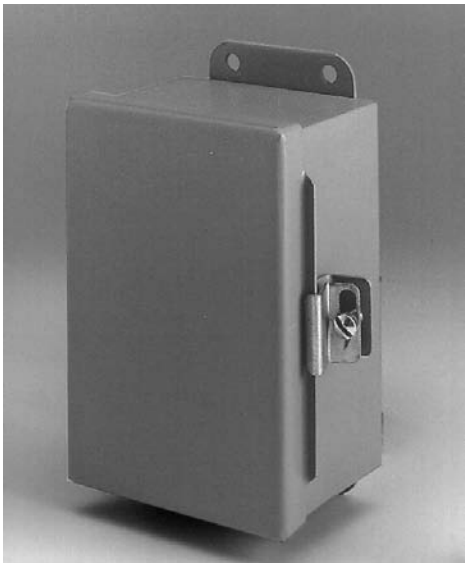
884-12LC
1084-12LC
12105-12LC
1086-12LC
10106-12LC
12126-12LC
14126-12LC
16146-12LC
16148-12LC

Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 JIC Continuous Hinge Cover Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with a continuous hinge on one side and easy-to-operate screw clamps mounted to the opposite side
- Cover has a fixed, oil-resistant gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel on 6H x 4W and larger enclosures
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Hardware and clamps are zinc plated with a yellow chromate finish

Accessories

- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- Touch-up paint
- See Accessories section
- #8-32 self tapping screw (10168)

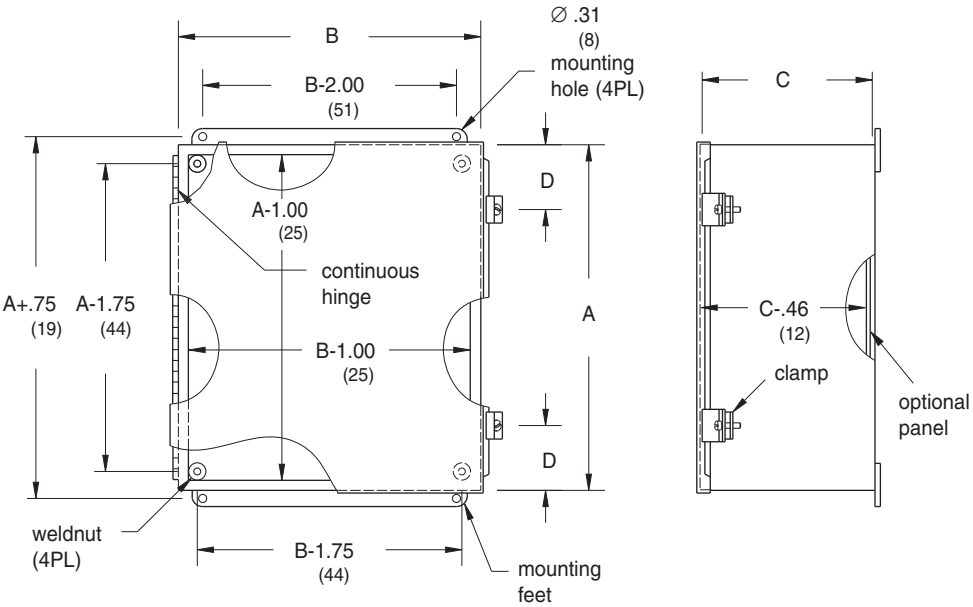
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

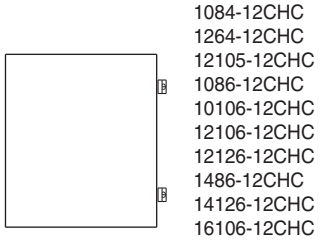
Type 12 JIC Continuous Hinge Cover Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	D in.	mm	Panel Catalog Number Solid	Perforated	Panel Size Height x Width in.	mm
443-12CHC	4.00x4.00x3.00	102x102x76	2.00	51	-	-	-	-
643-12CHC	6.00x4.00x3.00	152x102x76	3.00	76	**AW64P**	**AW64PP**	4.87x2.87	124x73
863.5-12CHC	8.00x6.00x3.50	203x152x89	4.00	102	**AW86P**	**AW86PP**	6.87x4.87	174x124
444-12CHC	4.00x4.00x4.00	102x102x102	2.00	51	-	-	-	-
644-12CHC	6.00x4.00x4.00	152x102x102	3.00	76	**AW64P**	**AW64PP**	4.87x2.87	124x76
664-12CHC	6.00x6.00x4.00	152x152x102	3.00	76	**AW66P**	**AW66PP**	4.87x4.87	124x124
884-12CHC	8.00x8.00x4.00	203x203x102	4.00	102	**AW88P**	**AW88PP**	6.87x6.87	174x174
1084-12CHC	10.00x8.00x4.00	254x203x102	2.00	51	**AW108P**	**AW108PP**	8.87x6.87	225x174
1084-12CHCS	10.00x8.00x4.00	254x203x102	2.00	51	**AW108P**	**AW108PP**	8.87x6.87	225x174
1264-12CHC	12.00x6.00x4.00	305x152x102	3.00	76	**AW126P**	**AW126PP**	10.87x4.87	272x124
12105-12CHC	12.00x10.00x5.00	305x254x127	3.00	76	**AW1210P**	**AW1210PP**	10.87x8.87	272x225
12105-12CHCS	12.00x10.00x5.00	305x254x127	3.00	76	**AW1210P**	**AW1210PP**	10.87x8.87	272x225
866-12CHC	8.00x6.00x6.00	203x152x152	4.00	102	**AW86P**	**AW86PP**	6.87x4.87	174x124
886-12CHC	8.00x8.00x6.00	203x203x152	4.00	102	**AW88P**	**AW88PP**	6.87x6.87	174x174
1086-12CHC	10.00x8.00x6.00	254x203x152	2.00	51	**AW108P**	**AW108PP**	8.87x6.87	225x174
10106-12CHC	10.00x10.00x6.00	254x254x152	2.00	51	**AW1010P**	**AW1010PP**	8.87x8.87	225x225
12106-12CHC	12.00x10.00x6.00	305x254x152	3.00	76	**AW1210P**	**AW1210PP**	10.87x8.87	272x225
12126-12CHC	12.00x12.00x6.00	305x305x152	3.00	76	**AW1212P**	**AW1212PP**	10.87x10.87	272x272
1486-12CHC	14.00x8.00x6.00	356x203x152	3.00	76	**AW148P**	**AW148PP**	12.87x6.87	327x174
14126-12CHC	14.00x12.00x6.00	356x305x152	3.00	76	**AW1412P**	**AW1412PP**	12.87x10.87	327x272
14126-12CHCS	14.00x12.00x6.00	356x305x152	3.00	76	**AW1412P**	**AW1412PP**	12.87x10.87	327x272
16106-12CHC	16.00x10.00x6.00	406x254x152	3.00	76	**AW1610P**	**AW1610PP**	14.87x8.87	378x225
16146-12CHC	16.00x14.00x6.00	406x356x152	3.00	76	**AW1614P**	**AW1614PP**	14.87x12.87	378x327
16146-12CHCS	16.00x14.00x6.00	406x356x152	3.00	76	**AW1614P**	**AW1614PP**	14.87x12.87	378x327
10108-12CHC	10.00x10.00x8.00	254x254x203	2.00	51	**AW1010P**	**AW1010PP**	8.87X8.87	225X225
12108-12CHC	12.00x10.00x8.00	305x254x203	3.00	76	**AW1210P**	**AW1210PP**	10.87x8.87	272x225
14128-12CHC	14.00x12.00x8.00	356x305x203	3.00	76	**AW1412P**	**AW1412PP**	12.87x10.87	327x272
16148-12CHC	16.00x14.00x8.00	406x356x203	3.00	76	**AW1614P**	**AW1614PP**	14.87x12.87	378x327
161410-12CHC	16.00x14.00x10.00	406x356x254	3.00	76	**AW1614P**	**AW1614PP**	14.87x12.87	378x327

Note: Catalog numbers ending in -12 CHCS are hinged on the short side.





Cover Clamp Layout

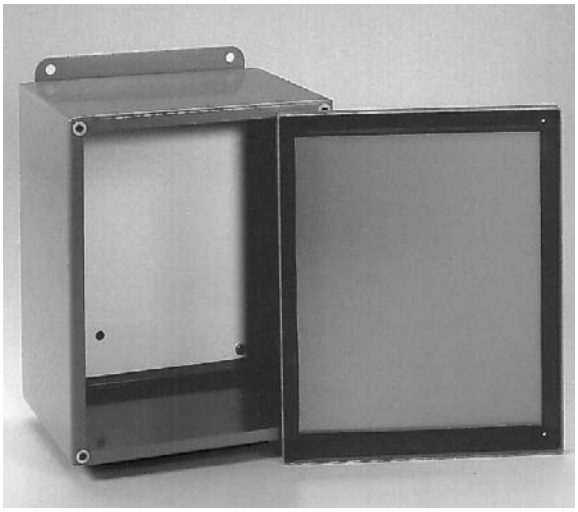
443-12CHC
643-12CHC
444-12CHC
644-12CHC
664-12CHC
863.5-12CHC
884-12CHC
866-12CHC
886-12CHC

1084-12CHC
1264-12CHC
12105-12CHC
1086-12CHC
10106-12CHC
12106-12CHC
12126-12CHC
1486-12CHC
14126-12CHC
16106-12CHC
10108-12CHC
16146-12CHC
12108-12CHC
14128-12CHC
16148-12CHC
161410-12CHC

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 JIC Screw Cover Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- All continuous welded seams are finished smooth
- Cover is attached with captive screws which thread into sealed well nuts
- Cover has a fixed, oil-resistant gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

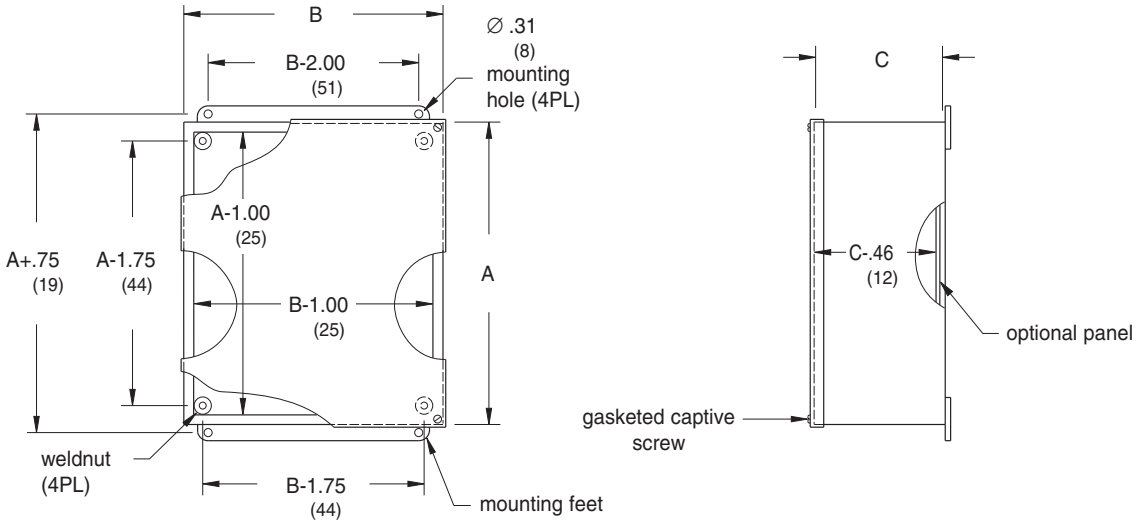
- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- Touch-up paint
- See Accessories section
- #8-32 self tapping screw (10168)

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 JIC Screw Cover Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Panel Catalog Number Solid	Perforated	Panel Size Height x Width in.	mm
443-12SC	4.00x4.00x3.00	102x102x76	-	-	-	
643-12SC	6.00x4.00x3.00	152x102x76	**AW64P**	**AW64PP**	4.87x2.87	124x73
863.5-12SC	8.00x6.00x3.50	203x152x89	**AW86P**	**AW86PP**	6.87x4.87	174x124
444-12SC	4.00x4.00x4.00	102x102x102	-	-	-	-
644-12SC	6.00x4.00x4.00	152x102x102	**AW64P**	**AW64PP**	4.87x2.87	124x73
664-12SC	6.00x6.00x4.00	152x152x102	**AW66P**	**AW66PP**	4.87x4.87	124x124
884-12SC	8.00x8.00x4.00	203x203x102	**AW88P**	**AW88PP**	6.87x6.87	174x174
1084-12SC	10.00x8.00x4.00	254x203x102	**AW108P**	**AW108PP**	8.87x6.87	225x174
10104-12SC	10.00x10.00x4.00	254x254x102	**AW1010P**	**AW1010PP**	8.87x8.87	225x225
12105-12SC	12.00x10.00x5.00	305x254x127	**AW1210P**	**AW1210PP**	10.87x8.87	272x225
866-12SC	8.00x6.00x6.00	203x152x152	**AW86P**	**AW86PP**	6.87x4.87	174x124
1086-12SC	10.00x8.00x6.00	254x203x152	**AW108P**	**AW108PP**	8.87x6.87	225x174
10106-12SC	10.00x10.00x6.00	254x254x152	**AW1010P**	**AW1010PP**	8.87x8.87	225x225
12126-12SC	12.00x12.00x6.00	305x305x152	**AW1212P**	**AW1212PP**	10.87x10.87	272x272
14126-12SC	14.00x12.00x6.00	356x305x152	**AW1412P**	**AW1412PP**	12.87x10.87	327x272
16146-12SC	16.00x14.00x6.00	406x356x152	**AW1614P**	**AW1614PP**	14.87x12.87	378x327



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 JIC Continuous Hinge Screw Cover Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with a continuous hinge on one side and captive screws which thread into sealed well nuts on the opposite side
- Cover has a fixed, oil-resistant gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

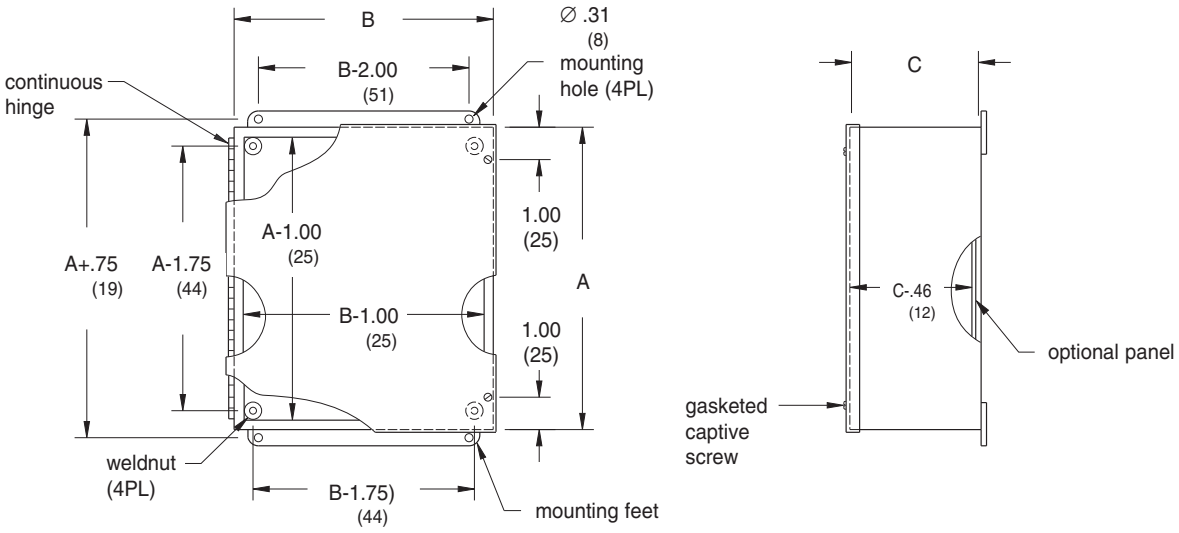
- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- Touch-up paint
- See Accessories section
- #8-32 self tapping screw (10168)

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 JIC Continuous Hinge Screw Cover Enclosures

Catalog Number

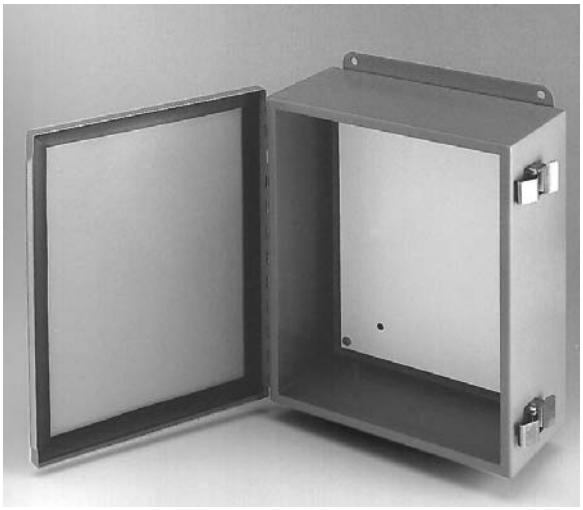
Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Panel Catalog Number Solid	Perforated	Panel Size Height x Width in.	mm
664-12CHSC	6.00x6.00x4.00	152x152x102	AW66P	AW66PP	4.87x4.87	124x124
864-12CHSC	8.00x6.00x4.00	203x152x102	AW86P	AW86PP	6.87x4.87	174x124
884-12CHSC	8.00x8.00x4.00	203x203x102	AW88P	AW88PP	6.87x6.87	174x174
1084-12CHSC	10.00x8.00x4.00	254x203x102	AW108P	AW108PP	8.87x6.87	225x174
10104-12CHSC	10.00x10.00x4.00	254x254x102	AW1010P	AW1010PP	8.87x8.87	225x225
12104-12CHSC	12.00x10.00x4.00	305x254x102	AW1210P	AW1210PP	10.87x8.87	272x225
866-12CHSC	8.00x6.00x6.00	203x152x152	AW86P	AW86PP	6.87x4.87	174x124
886-12CHSC	8.00x8.00x6.00	203x203x152	AW88P	AW88PP	6.87x6.87	174x174
1086-12CHSC	10.00x8.00x6.00	254x203x152	AW108P	AW108PP	8.87x6.87	225x174
10106-12CHSC	10.00x10.00x6.00	254x254x152	AW1010P	AW1010PP	8.87x8.87	225x225
12106-12CHSC	12.00x10.00x6.00	305x254x152	AW1210P	AW1210PP	10.87x8.87	272x225
12126-12CHSC	12.00x12.00x6.00	305x305x152	AW1212P	AW1212PP	10.87x10.87	272x272
14126-12CHSC	14.00x12.00x6.00	356x305x152	AW1412P	AW1412PP	12.87x10.87	327x272



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 JIC Continuous Hinge Quick-Release Cover Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with a continuous hinge on one side and quick-release latches mounted to the opposite side
- Cover has a fixed, oil-resistant gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Latches are zinc plated with a yellow chromate finish

Accessories

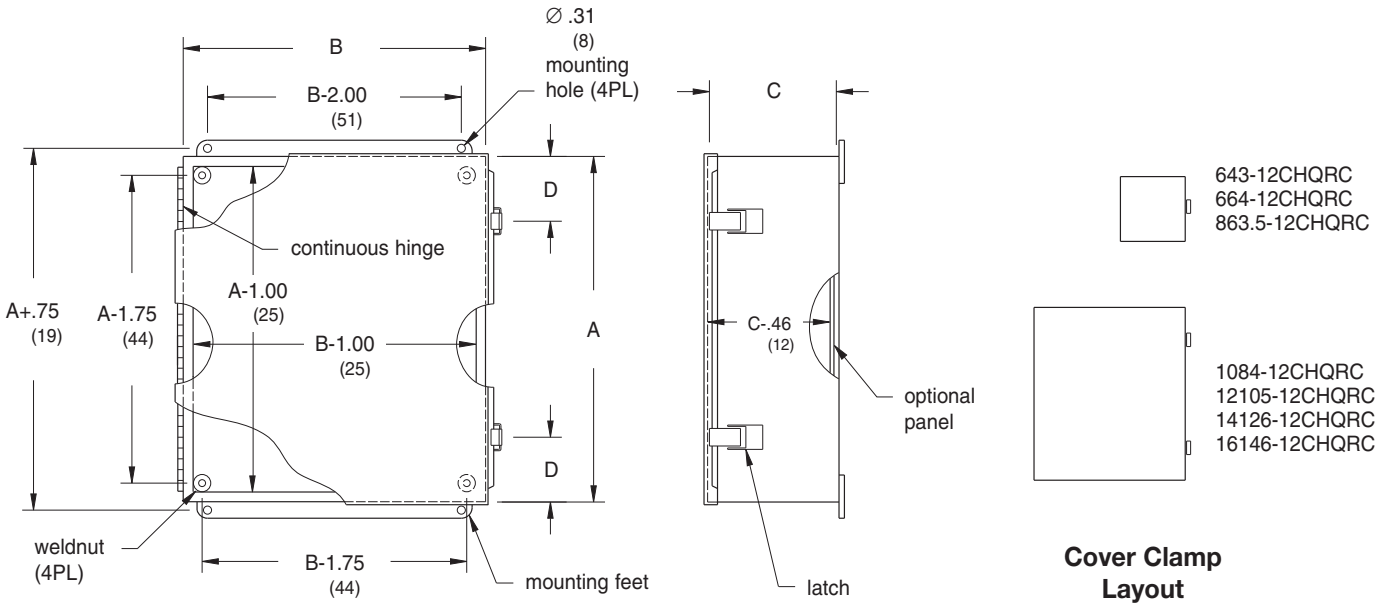
- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- Touch-up paint
- See Accessories section
- #8-32 self tapping screw (10168)

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 JIC Continuous Hinge Quick-Release Cover Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	D in.	mm	Panel Catalog Number Solid	Perforated	Panel Size Height x Width in.	mm
643-12CHQRC	6.00x4.00x3.00	152x102x76	3.00	76	**AW64P**	**AW64PP**	4.87x2.87	124x73
863.5-12CHQRC	8.00x6.00x3.50	203x152x102	4.00	102	**AW86P**	**AW86PP**	6.87x4.87	174x124
664-12CHQRC	6.00x6.00x4.00	152x152x102	3.00	76	**AW66P**	**AW66PP**	4.87x4.87	124x124
1084-12CHQRC	10.00x8.00x4.00	254x203x102	2.00	51	**AW108P**	**AW108PP**	8.87x6.87	225x174
12105-12CHQRC	12.00x10.00x5.00	305x254x127	3.00	76	**AW1210P**	**AW1210PP**	10.87x8.87	272x225
14126-12CHQRC	14.00x12.00x6.00	356x305x152	3.00	76	**AW1412P**	**AW1412PP**	12.87x10.87	327x272
16146-12CHQRC	16.00x14.00x6.00	406x356x152	3.00	76	**AW1614P**	**AW1614PP**	14.87x12.87	378x327



Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Large Continuous Hinge Screw Cover Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Construction

- Enclosure and door are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Door is secured to the body with a continuous hinge on one side and captive hex head screws which thread into sealed well nuts on the opposite side
- Each door has a print pocket
- Door has a fixed, oil-resistant gasket
- Ground stud provided on door
- Heavy gauge panel mounted to .375-16 collar studs is provided with enclosure
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Panels have a white enamel finish

Accessories

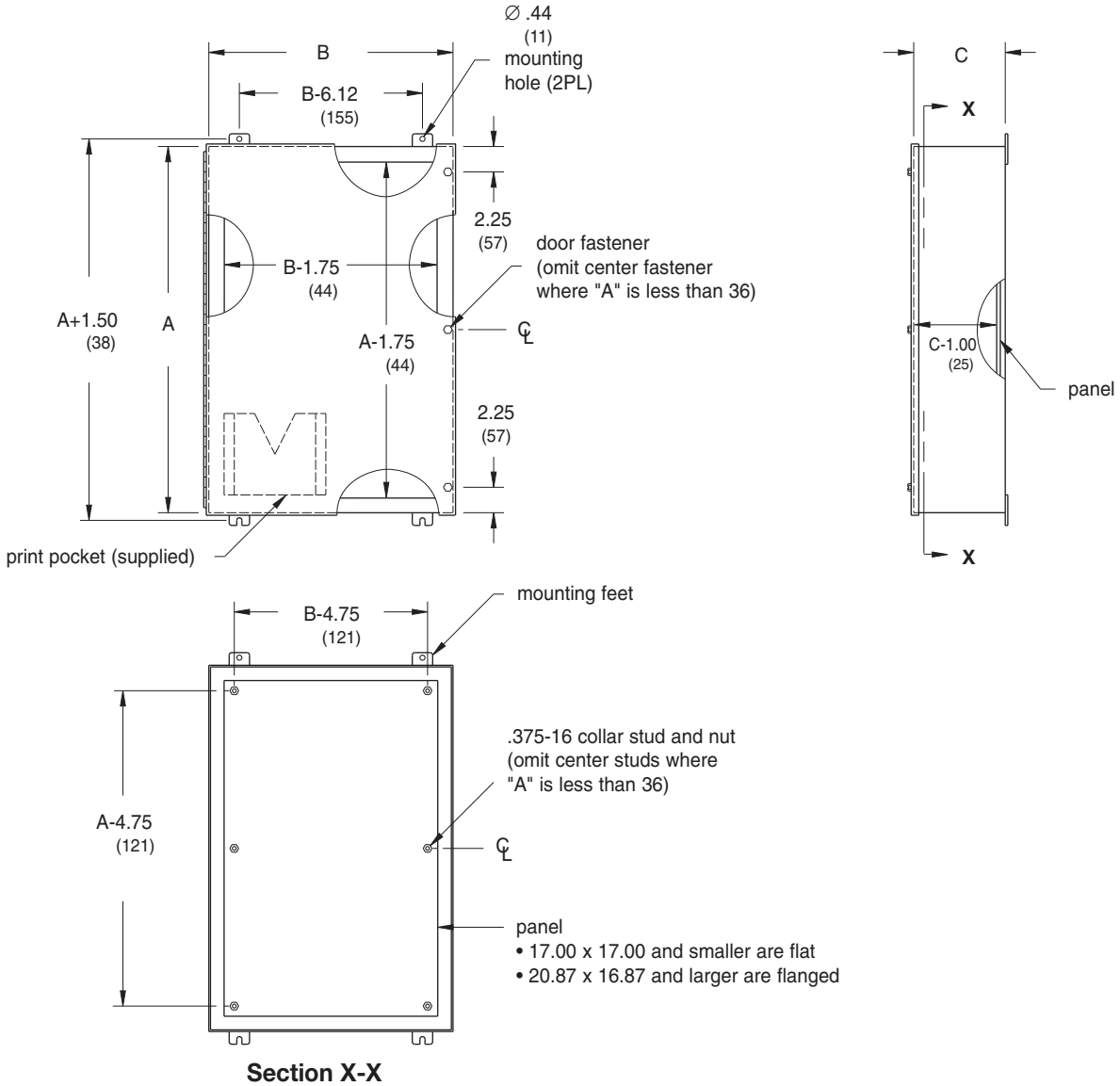
- NEMA terminal strap kit
- Terminal blocks
- Touch-up paint
- See Accessories section

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Large Continuous Hinge Screw Cover Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	Enclosure Size Height x Width x Depth A x B x C mm	Panel Size Height x Width in.	Panel Size Height x Width mm
20167-12CHSC	20.00x16.00x7.00	508x406x178	17.00x13.00	432x330
20207-12CHSC	20.00x20.00x7.00	508x508x178	17.00x17.00	432x432
24207-12CHSC	24.00x20.00x7.00	610x508x178	20.87x16.87	530x428
30207-12CHSC	30.00x20.00x7.00	762x508x178	26.87x16.87	682x428
30247-12CHSC	30.00x24.00x7.00	762x610x178	26.87x20.87	682x530
36247-12CHSC	36.00x24.00x7.00	914x610x178	32.87x20.87	835x530
24209-12CHSC	24.00x20.00x9.00	610x508x229	20.87x16.87	530x428
30209-12CHSC	30.00x20.00x9.00	762x508x229	26.87x16.87	682x428
30249-12CHSC	30.00x24.00x9.00	762x610x229	26.87x20.87	682x530
36249-12CHSC	36.00x24.00x9.00	914x610x229	32.87x20.87	835x530



Section X-X

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 "FTC" Continuous Hinge Cover Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 Listed, Type 13 and Type 12
- CSA C22.2 No. 94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- IEC 60529, IP65

Construction

- Enclosure and door are fabricated from 16 gauge steel
- Body flange trough design, formed around body opening, diverts liquid contaminants away from door opening
- Seamless foam-in-place one piece gasket provides oil-tight and dust-tight seal against contaminants
- Integral compression stop to prevent damage from excessive compression of gasket and increase gasket performance
- Ground stud provided on door
- Door is secured to the body with a continuous hinge on one side and heavy-duty latches on the opposite side
- #10-32 weldnuts are provided for mounting optional panels
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Optional panels have a white enamel finish

Accessories

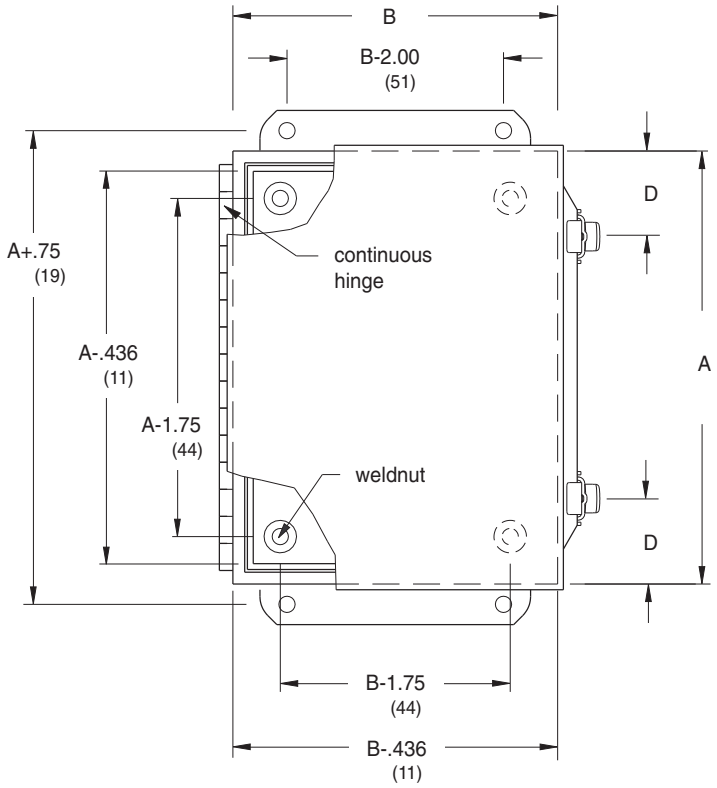
- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- JIC terminal blocks
- Touch-up paint
- #8-32 self tapping screw (10168)

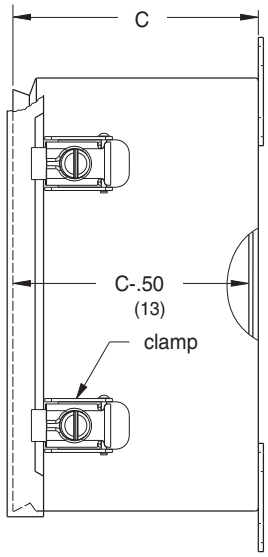
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

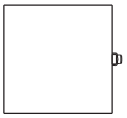
Type 12 "FTC" Continuous Hinge Cover Enclosures

Catalog Number

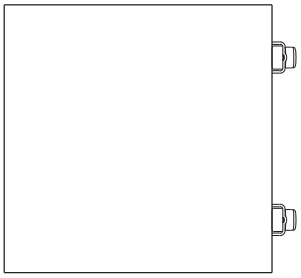
Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	D in.	mm	Panel Catalog Number Solid	Perforated	Panel Size Height x Width in.	mm
644-FTC	6.00x4.00x4.54	152x102x115	3.00	76	**AW64P**	**AW64PP**	4.87x2.87	124x73
664-FTC	6.00x6.00x4.54	152x152x115	3.00	76	**AW66P**	**AW66PP**	4.87x4.87	124x124
864-FTC	8.00x6.00x4.54	203x152x115	2.00	51	**AW86P**	**AW86PP**	6.87x4.87	174x124
1084-FTC	10.00x8.00x4.54	254x203x115	2.00	51	**AW108P**	**AW108PP**	8.87x6.87	225x174
12105-FTC	12.00x10.00x5.54	305x254x141	2.00	51	**AW1210P**	**AW1210PP**	10.87x8.87	272x225
14126-FTC	14.00x12.00x6.54	356x305x166	2.00	51	**AW1412P**	**AW1412PP**	12.87x10.87	327x272
16146-FTC	16.00x14.00x6.54	406x356x166	2.00	51	**AW1614P**	**AW1614PP**	14.87x12.87	378x327







644 FTC
664 FTC



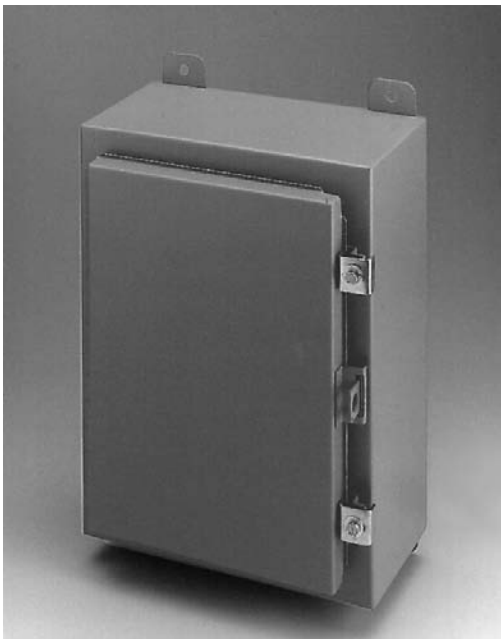
864 FTC
1084 FTC
12105 FTC
14126 FTC
16146 FTC

Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Single-Door Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Construction

- Enclosure and door are fabricated from code gauge steel, (see table)
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge on one side and easy-to-release door clamps mounted to the opposite side
- Each door has a padlock hasp with sealing hole provision
- Print pocket provided
- Door has a fixed, oil-resistant gasket
- Ground stud provided on door
- Formed lip around enclosure opening diverts liquids and contaminants
- .375-16 collar studs are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder outside with a white polyester powder finish inside

Accessories

- Panels
- NEMA terminal strap kit
- Terminal blocks
- Type 12 door handle kit
- Floor stand kit
- Touch-up paint
- See Accessories section

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Single-Door Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Gauge	Panel Catalog Number	Panel Size Height x Width in.	mm
12246-12	12.00x24.00x6.00	305x610x152	16	**AW2412P**	9.00x21.00	229x533
16126-12	16.00x12.00x6.00	406x305x152	16	**AW1612P**	13.00x9.00	330x229
16166-12	16.00x16.00x6.00	406x406x152	16	**AW1616P**	13.00x13.00	330x330
16206-12	16.00x20.00x6.00	406x508x152	16	**AW2016P**	13.00x17.00	330x432
20126-12	20.00x12.00x6.00	508x305x152	16	**AW2012P**	17.00x9.00	432x229
20166-12	20.00x16.00x6.00	508x406x152	16	**AW2016P**	17.00x13.00	432x330
20206-12	20.00x20.00x6.00	508x508x152	16	**AW2020P**	17.00x17.00	432x432
20246-12	20.00x24.00x6.00	508x610x152	16	**AW2420P**	16.87x20.87	428x530
24126-12	24.00x12.00x6.00	610x305x152	16	**AW2412P**	21.00x9.00	533x229
24166-12	24.00x16.00x6.00	610x406x152	16	**AW2416P**	21.00x13.00	533x330
24206-12	24.00x20.00x6.00	610x508x152	16	**AW2420P**	20.87x16.87	530x428
24246-12	24.00x24.00x6.00	610x610x152	14	**AW2424P**	20.87x20.87	530x530
30166-12	30.00x16.00x6.00	762x406x152	16	**AW3016P**	26.87x12.87	682x327
30206-12	30.00x20.00x6.00	762x508x152	14	**AW3020P**	26.87x16.87	682x428
30246-12	30.00x24.00x6.00	762x610x152	14	**AW3024P**	26.87x20.87	682x530
36246-12	36.00x24.00x6.00	914x610x152	14	**AW3624P**	32.87x20.87	835x530
36306-12	36.00x30.00x6.00	914x762x152	14	**AW3630P**	32.87x26.87	835x682
36366-12	36.00x36.00x6.00	914x914x152	14	**AW3636P**	32.87X32.87	835X835
12248-12	12.00x24.00x8.00	305x610x203	16	**AW2412P**	9.00x21.00	229x533
16128-12	16.00x12.00x8.00	406x305x203	16	**AW1612P**	13.00x9.00	330x229
16168-12	16.00x16.00x8.00	406x406x203	16	**AW1616P**	13.00x13.00	330x330
16208-12	16.00x20.00x8.00	406x508x203	16	**AW2016P**	13.00x17.00	330x432
20128-12	20.00x12.00x8.00	508x305x203	16	**AW2012P**	17.00x9.00	432x229
20168-12	20.00x16.00x8.00	508x406x203	16	**AW2016P**	17.00x13.00	432x330
20208-12	20.00x20.00x8.00	508x508x203	16	**AW2020P**	17.00x17.00	432x432
20248-12	20.00x24.00x8.00	508x610x203	16	**AW2420P**	16.87x20.87	428x530
24128-12	24.00x12.00x8.00	610x305x203	16	**AW2412P**	21.00x9.00	533x229
24168-12	24.00x16.00x8.00	610x406x203	16	**AW2416P**	21.00x13.00	533x330
24208-12	24.00x20.00x8.00	610x508x203	16	**AW2420P**	20.87x16.87	530x428
24248-12	24.00x24.00x8.00	610x610x203	14	**AW2424P**	20.87x20.87	530x530
24308-12	24.00x30.00x8.00	610x762x203	14	**AW3024P**	20.87x26.87	530x682
30208-12	30.00x20.00x8.00	762x508x203	14	**AW3020P**	26.87x16.87	682x428
30248-12	30.00x24.00x8.00	762x610x203	14	**AW3024P**	26.87x20.87	682x530
30308-12	30.00x30.00x8.00	762x762x203	14	**AW3030P**	26.87x26.87	682x682
30368-12	30.00x36.00x8.00	762x914x203	14	**AW3630P**	26.87x32.87	682x835
36248-12	36.00x24.00x8.00	914x610x203	14	**AW3624P**	32.87x20.87	835x530
36308-12	36.00x30.00x8.00	914x762x203	14	**AW3630P**	32.87x26.87	835x682
36368-12	36.00x36.00x8.00	914x914x203	14	**AW3636P**	32.87x32.87	835x835
42248-12	42.00x24.00x8.00	1067x670x203	14	**AW4224P**	38.87x20.87	987x530
42308-12	42.00x30.00x8.00	1067x762x203	14	**AW4230P**	38.87x26.87	987x682
42368-12	42.00x36.00x8.00	1067x914x203	14	**AW4236P**	38.87x32.87	987x835
48248-12	48.00x24.00x8.00	1219x610x203	14	**AW4824P**	44.87x20.87	1140x530
48308-12	48.00x30.00x8.00	1219x762x203	14	**AW4830P**	44.87x26.87	1140x682
48368-12	48.00x36.00x8.00	1219x914x203	14	**AW4836P**	44.87x32.87	1140x835
60368-12	60.00x36.00x8.00	1524x914x203	14	**AW6036P**	56.87x32.87	1444x835

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Single-Door Enclosures

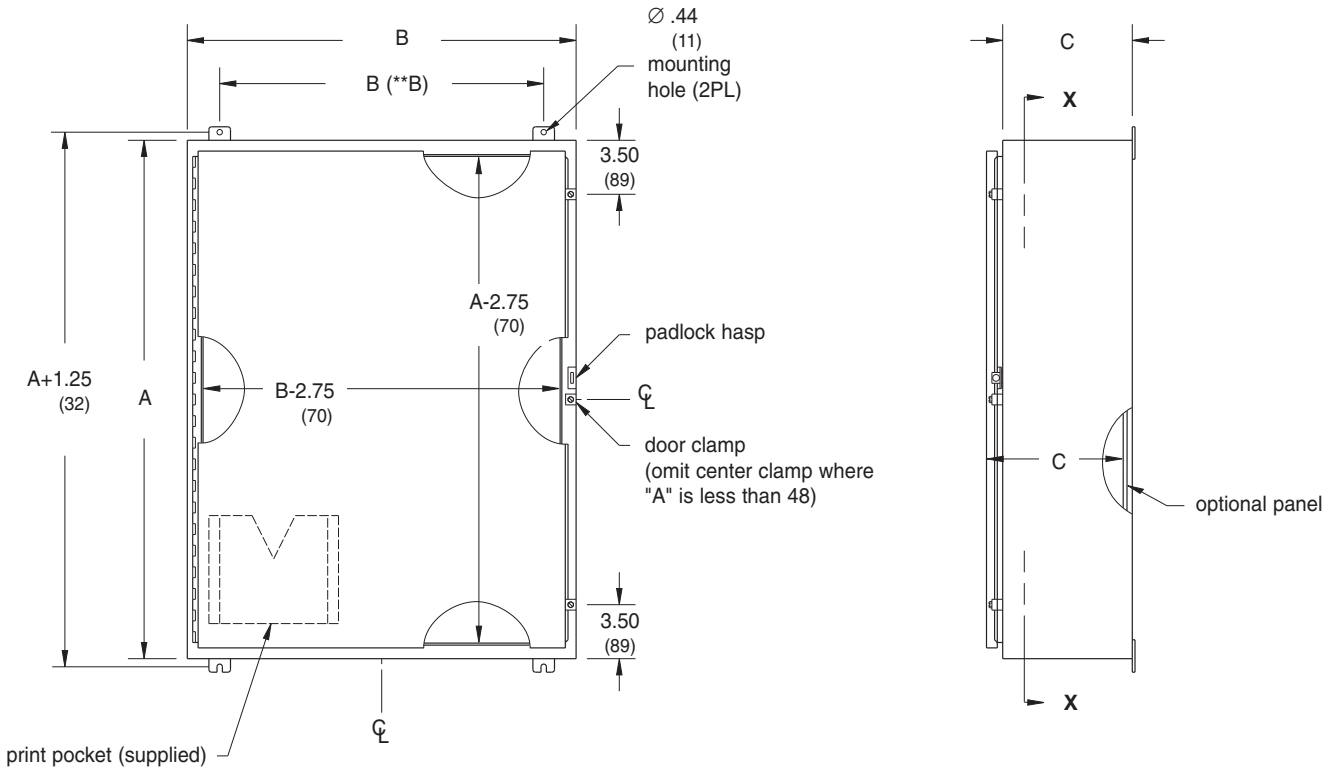
Catalog Number (cont'd)

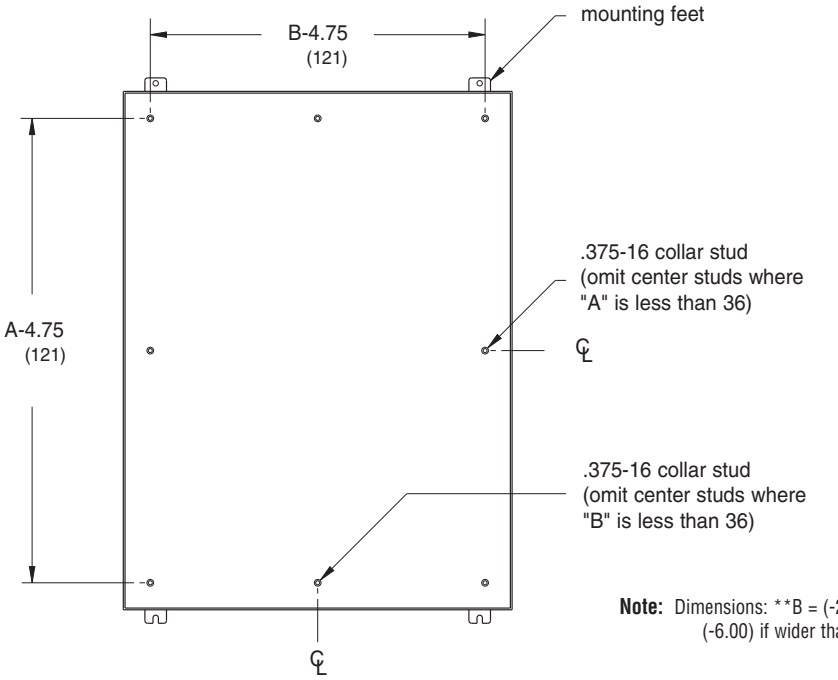
Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Gauge	Panel Catalog Number	Panel Size Height x Width in.	mm
161210-12	16.00x12.00x10.00	406x305x254	16	**AW1612P**	13.00x9.00	330x229
201610-12	20.00x16.00x10.00	508x406x254	16	**AW2016P**	17.00x13.00	432x330
202010-12	20.00x20.00x10.00	508x508x254	16	**AW2020P**	17.00x17.00	432x432
241210-12	24.00x12.00x10.00	610x305x254	16	**AW2412P**	21.00x9.00	533x229
242010-12	24.00x20.00x10.00	610x508x254	16	**AW2420P**	20.87x16.87	530x428
242410-12	24.00x24.00x10.00	610x610x254	14	**AW2424P**	20.87x20.87	530x530
302010-12	30.00x20.00x10.00	762x508x254	14	**AW3020P**	26.87x16.87	682x428
302410-12	30.00x24.00x10.00	762x610x254	14	**AW3024P**	26.87x20.87	682x530
362410-12	36.00x24.00x10.00	914x610x254	14	**AW3624P**	32.87x20.87	835x530
363010-12	36.00x30.00x10.00	914x762x254	14	**AW3630P**	32.87x26.87	835x682
423010-12	42.00x30.00x10.00	1067x762x254	14	**AW4230P**	38.87x26.87	987x682
423610-12	42.00x36.00x10.00	1067x914x254	14	**AW4236P**	38.87x32.87	987x835
483010-12	48.00x30.00x10.00	1219x762x254	14	**AW4830P**	44.87x26.87	1140x682
483610-12	48.00x36.00x10.00	1219x914x254	14	**AW4836P**	44.87x32.87	1140x835
603610-12	60.00x36.00x10.00	1524x914x254	14	**AW6036P**	56.87x32.87	1444x835
201612-12	20.00x16.00x12.00	508x406x305	16	**AW2016P**	17.00x13.00	432x330
242012-12	24.00x20.00x12.00	610x508x305	16	**AW2420P**	20.87x16.87	530x428
242412-12	24.00x24.00x12.00	610x610x305	14	**AW2424P**	20.87x20.87	530x530
302412-12	30.00x24.00x12.00	762x610x305	14	**AW3024P**	26.87x20.87	682x530
303012-12	30.00x30.00x12.00	762x762x305	14	**AW3030P**	26.87x26.87	682x682
362412-12	36.00x24.00x12.00	914x610x305	14	**AW3624P**	32.87x20.87	835x530
363012-12	36.00x30.00x12.00	914x762x305	14	**AW3630P**	32.87x26.87	835x682
363612-12	36.00x36.00x12.00	914x914x305	14	**AW3636P**	32.87x32.87	835x835
423012-12	42.00x30.00x12.00	1067x762x305	14	**AW4230P**	38.87x26.87	987x682
423612-12	42.00x36.00x12.00	1067x914x305	14	**AW4236P**	38.87x32.87	987x835
483612-12	48.00x36.00x12.00	1219x914x305	14	**AW4836P**	44.87x32.87	1140x835
603612-12	60.00x36.00x12.00	1524x914x305	14	**AW6036P**	56.87x32.87	1444x835
723012-12	72.00x30.00x12.00	1829x762x305	14	**AW7230P**	68.87x26.87	1749x682
723612-12	72.00x36.00x12.00	1829x914x305	14	**AW7236P**	68.87x32.87	1749x835
242016-12	24.00x20.00x16.00	610x508x406	16	**AW2420P**	20.87x16.87	530x428
242416-12	24.00x24.00x16.00	610x610x406	14	**AW2424P**	20.87x20.87	530x530
302416-12	30.00x24.00x16.00	762x610x406	14	**AW3024P**	26.87x20.87	682x530
363016-12	36.00x30.00x16.00	914x762x406	14	**AW3630P**	32.87x26.87	835x682
423616-12	42.00x36.00x16.00	1067x914x406	14	**AW4236P**	38.87x32.87	987x835
483616-12	48.00x36.00x16.00	1219x914x406	14	**AW4836P**	44.87x32.87	1140x835
603616-12	60.00x36.00x16.00	1524x914x406	14	**AW6036P**	56.87x32.87	1444x835
723016-12	72.00x30.00x16.00	1829x762x406	14	**AW7230P**	68.87x26.87	1749x682
302420-12	30.00x24.00x20.00	762x610x508	14	**AW3024P**	26.87x20.87	682x530
363020-12	36.00x30.00x20.00	914x762x508	14	**AW3630P**	32.87x26.87	835x682
483620-12	48.00x36.00x20.00	1219x914x508	14	**AW4836P**	44.87x32.87	1140x835
603620-12	60.00x36.00x20.00	1524x914x508	14	**AW6036P**	56.87x32.87	1444x835
723020-12	72.00x30.00x20.00	1829x762x508	14	**AW7230P**	68.87x26.87	1749x682
302424-12	30.00x24.00x24.00	762x610x610	14	**AW3024P**	26.87x20.87	682x530
723024-12	72.00x30.00x24.00	1829x762x610	14	**AW7230P**	68.87x26.87	1749x682

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Single-Door Enclosures

Illustration Sheet





Note: Dimensions: **B = (-2.50) if 12 inches wide;
(-6.00) if wider than 12 inches.

Section X-X

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Terminal Enclosures

Data Sheet

Application

- Houses and protects wiring terminals
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Construction

- Enclosure and door are fabricated from code gauge steel, (see table)
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge on one side and easy-to-release door clamps mounted to the opposite side
- Each door has a padlock hasp with sealing hole provision
- Print pocket provided
- Door has a fixed, oil-resistant gasket
- Ground stud provided on door
- Formed lip around enclosure opening diverts liquids and contaminants
- Removable terminal strap assembly is installed on .375-16 collar studs and used for mounting optional terminal blocks, (order terminals separately)
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder outside with a white polyester powder finish inside
- Terminal strap assembly has an electrogalvanized finish

Accessories

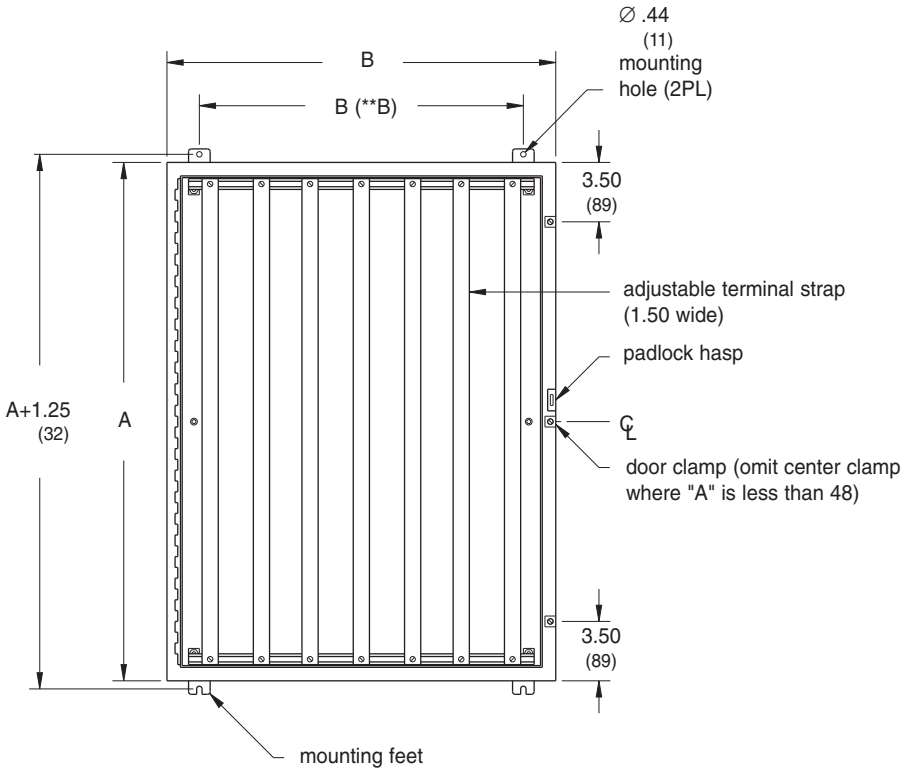
- Panels
- Extra strap kit
- Terminal blocks
- Type 12 door handle kit
- Floor stand kit
- Touch-up paint
- See Accessories section

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

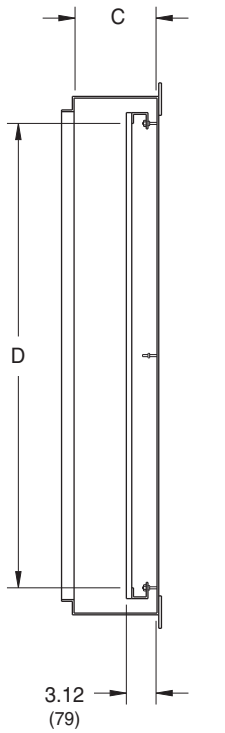
Type 12 Terminal Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Gauge	D in.	mm	Quantity of straps
16126-12TE	16.00x12.00x6.00	406x305x152	16	11.50	292	2
20166-12TE	20.00x16.00x6.00	508x406x152	16	15.50	394	3
20206-12TE	20.00x20.00x6.00	508x508x152	16	15.50	394	4
24206-12TE	24.00x20.00x6.00	610x508x152	16	19.50	495	4
24246-12TE	24.00x24.00x6.00	610x610x152	14	19.50	495	5
30206-12TE	30.00x20.00x6.00	762x508x152	14	25.50	648	4
30246-12TE	30.00x24.00x6.00	762x610x152	14	25.50	648	5
36246-12TE	36.00x24.00x6.00	914x610x152	14	31.50	800	5
36308-12TE	36.00x30.00x8.00	914x762x203	14	31.50	800	6
42308-12TE	42.00x30.00x8.00	1067x762x203	14	37.50	953	6
48368-12TE	48.00x36.00x8.00	1219x914x203	14	43.50	1105	7
60368-12TE	60.00x36.00x8.00	1524x914x203	14	55.50	1410	7



Front View
(door removed)



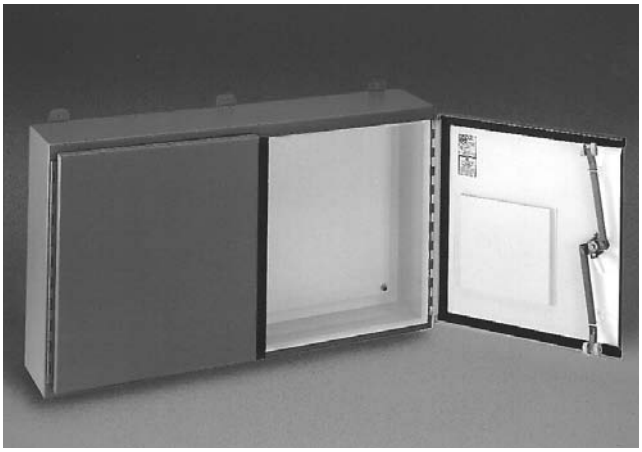
Side Section View

Note: Dimensions: **B = (-2.50) if 12 inches wide;
(-6.00) if wider than 12 inches.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Double-Door Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Construction

- Enclosure and door are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge and a center locating 3-pt key-locking handle mechanism which closes the right side door over the left
- Print pocket provided
- Doors have a fixed, oil-resistant gasket
- Ground stud provided on door
- No center post for complete front access
- .375-16 collar studs are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish outside with a white polyester powder finish inside

Accessories

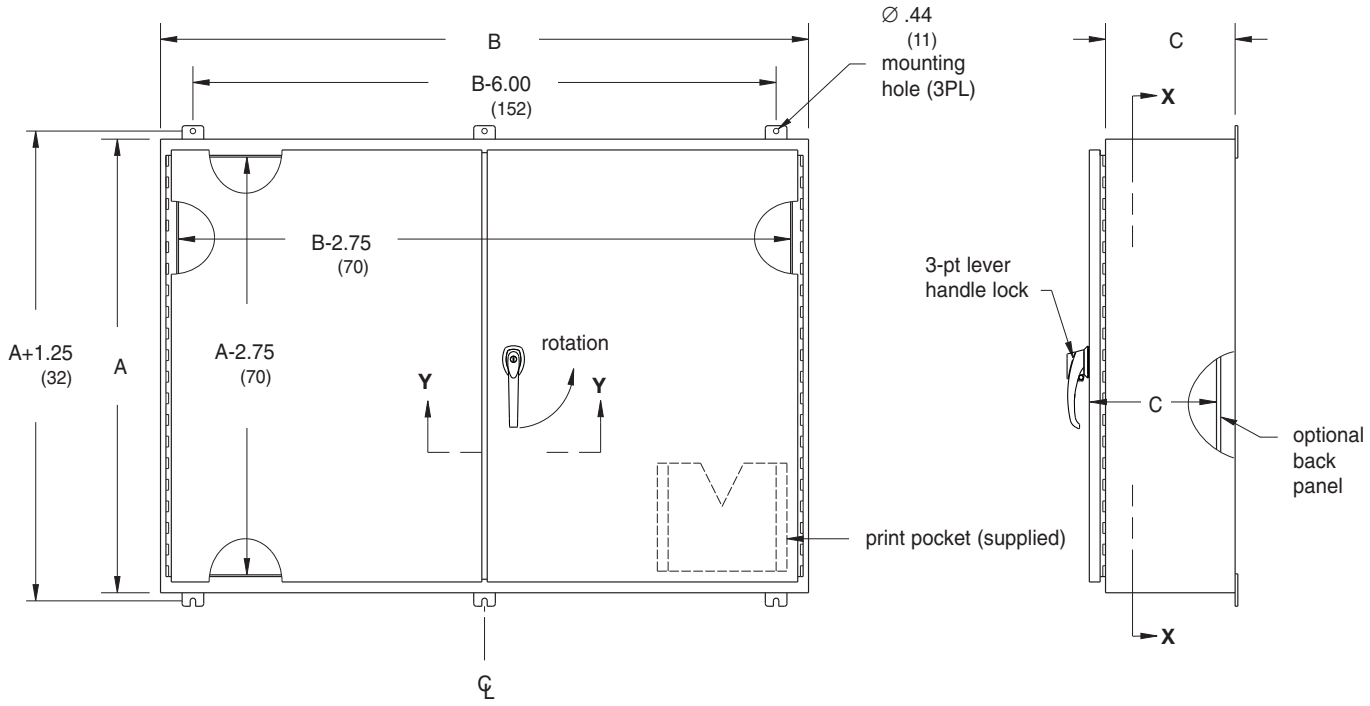
- Panels
- NEMA terminal strap kit
- Terminal blocks
- Floor stand kit
- Touch-up paint
- See Accessories section
- *See page 364 for new handle design (00011187 B).*

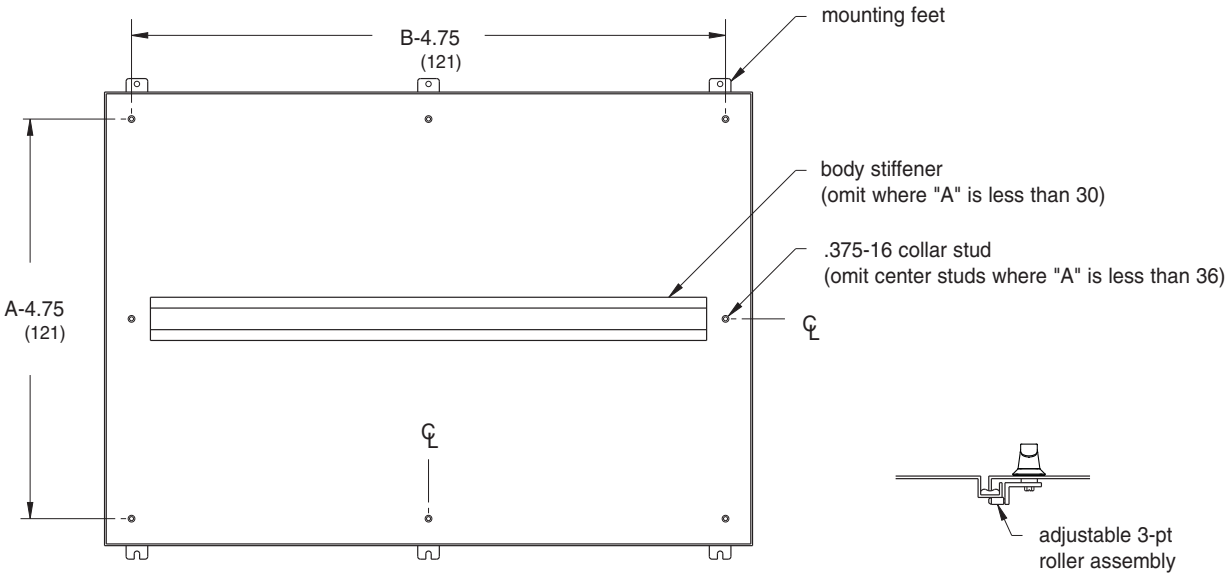
Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.		Panel Catalog Number	Panel Size Height x Width in.	Panel Size Height x Width mm
24428-12D	24.00x42.00x8.00	610x1067x203	**AW4224P**	20.87x38.87	530x987
24488-12D	24.00x48.00x8.00	610x1219x203	**AW4824P**	20.87x44.87	530x1140
304210-12D	30.00x42.00x10.00	762x1067x254	**AW4230P**	26.87x38.87	682x987
304810-12D	30.00x48.00x10.00	762x1219x254	**AW4830P**	26.87x44.87	682x1140
306010-12D	30.00x60.00x10.00	762x1524x254	**AW6030P**	26.87x56.87	682x1444
364212-12D	36.00x42.00x12.00	914x1067x305	**AW4236P**	32.87x38.87	835x987
364812-12D	36.00x48.00x12.00	914x1219x305	**AW4836P**	32.87x44.87	835x1140
366012-12D	36.00x60.00x12.00	914x1524x305	**AW6036P**	32.87x56.87	835x1444
424212-12D	42.00x42.00x12.00	1067x1067x305	**AW4242P**	38.87x38.87	987x987
424812-12D	42.00x48.00x12.00	1067x1219x305	**AW4842P**	38.87x44.87	987x1140
426012-12D	42.00x60.00x12.00	1067x1524x305	**AW6042P**	38.87x56.87	987x1444
484812-12D	48.00x48.00x12.00	1219x1219x305	**AW4848P**	44.87x44.87	1140x1140

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Double-Door Enclosures

Illustration Sheet





Section X-X

Section Y-Y

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Stainless Steel Double-Door Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Protects against corrosion, circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Construction

- Enclosure and door are fabricated from (14) gauge Type 304 or Type 316L stainless steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty, stainless steel, continuous hinge and a center locating 3-pt key-locking mechanism which closes the right side door over the left
- Print pocket provided
- Doors have a fixed, oil-resistant gasket
- Ground stud provided on door
- No center post for complete front access
- .375-16 collar studs are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Outer surface of enclosure and cover has a smooth brushed finish

Accessories

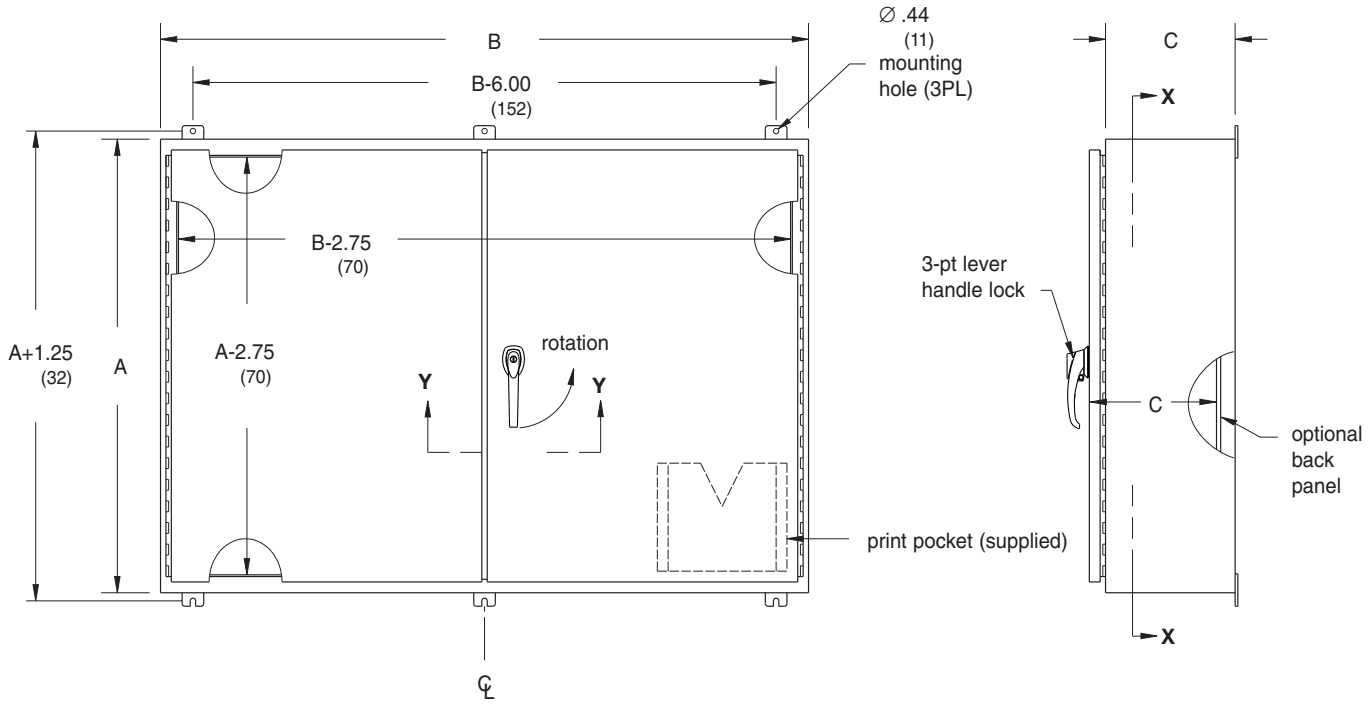
- Panels
- NEMA terminal strap kit
- Terminal blocks
- Floor stand kit
- See Accessories section
- *See page 364 for new handle design (00011187 B).*

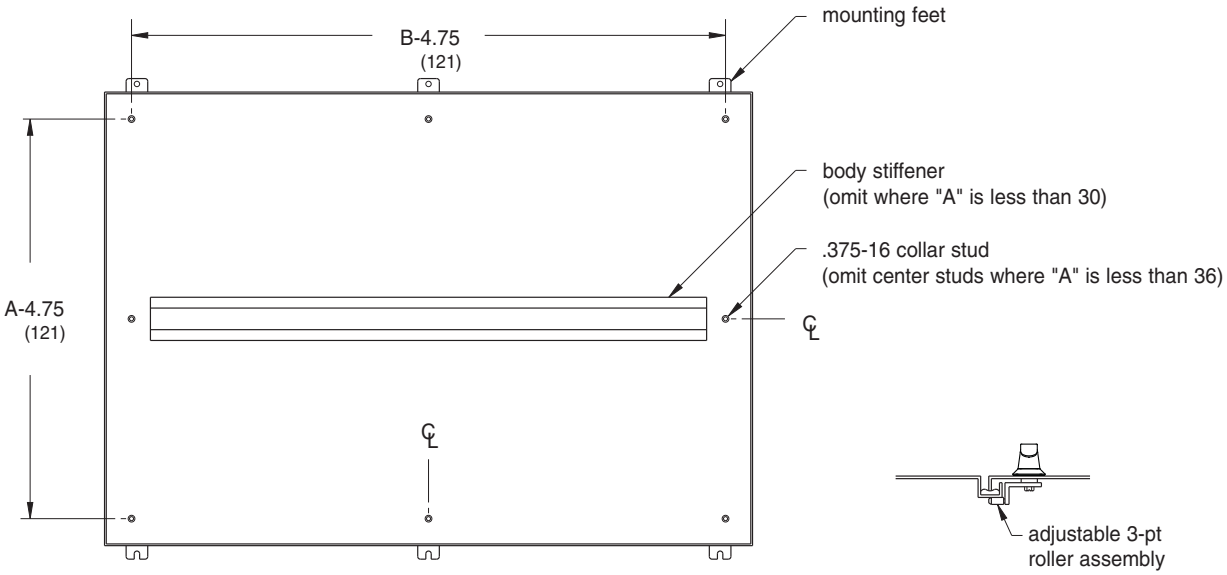
Enclosure Catalog Number Stainless Steel Type 304	Enclosure Catalog Number Stainless Steel Type 316L	Enclosure Size Height x Width x Depth A x B x C in.	Enclosure Size Height x Width x Depth A x B x C mm	Panel Catalog Number Steel	Panel Catalog Number Stainless Steel	Panel Size Height x Width in.	Panel Size Height x Width mm
24428-12SSD	24428-12SS6D	24.00x42.00x8.00	610x1067x203	AW4224P	AW4224SP	20.87x38.87	530x987
24488-12SSD	24488-12SS6D	24.00x48.00x8.00	610x1219x203	AW4824P	AW4824SP	20.87x44.87	530x1140
304210-12SSD	304210-12SS6D	30.00x42.00x10.00	762x1067x254	AW4230P	AW4230SP	26.87x38.87	682x987
304810-12SSD	304810-12SS6D	30.00x48.00x10.00	762x1219x254	AW4830P	AW4830SP	26.87x44.87	682x1140
306010-12SSD	306010-12SS6D	30.00x60.00x10.00	762x1524x254	AW6030P	AW6030SP	26.87x56.87	682x1444
364212-12SSD	364212-12SS6D	36.00x42.00x12.00	914x1067x305	AW4236P	AW4236SP	32.87x38.87	835x987
364812-12SSD	364812-12SS6D	36.00x48.00x12.00	914x1219x305	AW4836P	AW4836SP	32.87x44.87	835x1140
366012-12SSD	366012-12SS6D	36.00x60.00x12.00	914x1524x305	AW6036P	AW6036SP	32.87x56.87	835x1444
424212-12SSD	424212-12SS6D	42.00x42.00x12.00	1067x1067x305	AW4242P	AW4242SP	38.87x38.87	987x987
424812-12SSD	424812-12SS6D	42.00x48.00x12.00	1067x1219x305	AW4842P	AW4842SP	38.87x44.87	987x1140
426012-12SSD	426012-12SS6D	42.00x60.00x12.00	1067x1524x305	AW6042P	AW6042SP	38.87x56.87	987x1444
484812-12SSD	484812-12SS6D	48.00x48.00x12.00	1219x1219x305	AW4848P	AW4848SP	44.87x44.87	1140x1140

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Stainless Steel Double-Door Enclosures

Illustration Sheet





Section X-X

Section Y-Y

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Double-Door Floor-Standing Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Construction

- Enclosure and door are fabricated from code gauge steel, (see table)
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge and a center locating 3-pt key-locking mechanism which closes the right side door over the left
- Print pocket provided
- Doors have a fixed oil-resistant gasket
- Ground stud provided on doors
- No center post for complete front access
- Heavy gauge angle supports and .375-16 collar studs are provided for mounting optional panel
- Large lifting eyebolts are supplied
- Mounting legs are provided for floor mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder outside with a white polyester powder finish inside

Accessories

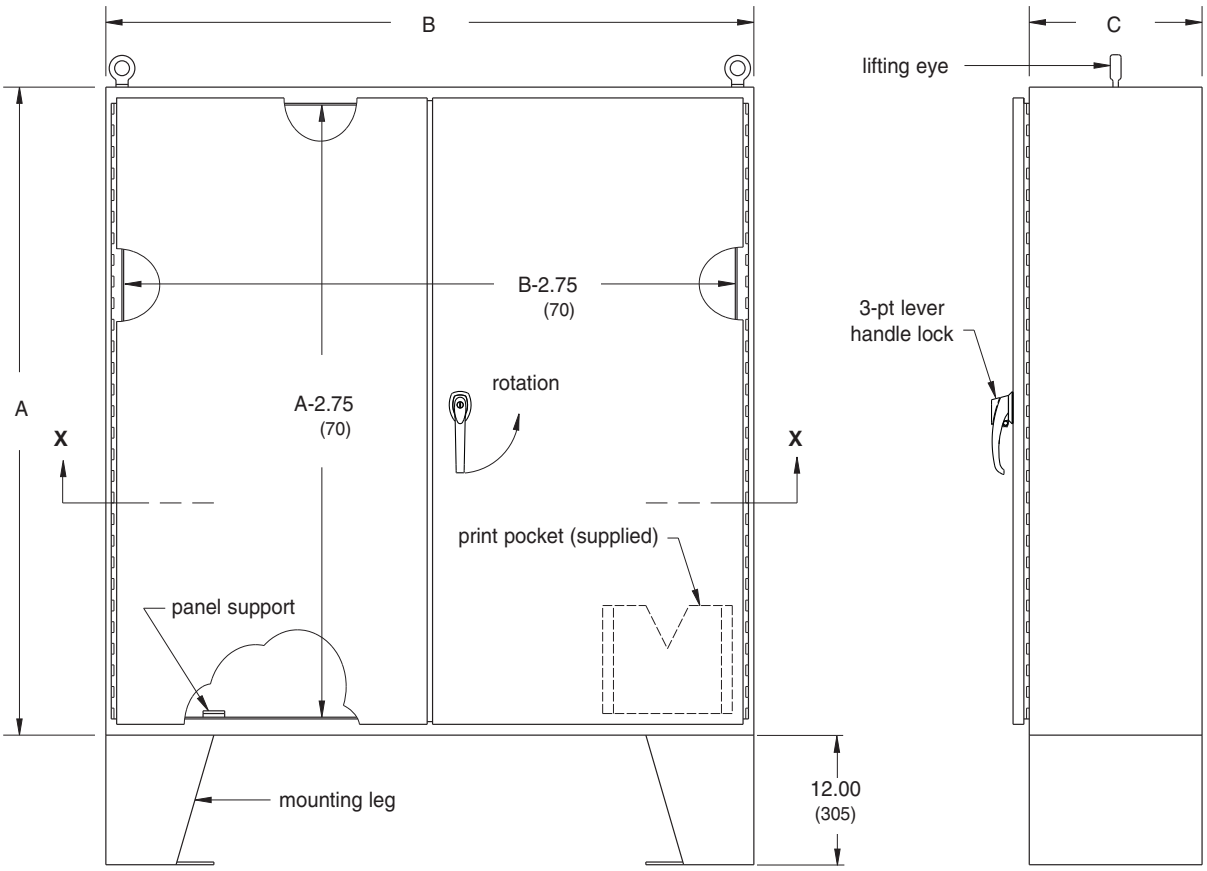
- Panels
- Leg stabilizer kit
- Touch-up paint
- See Accessories section
- *See page 364 for new handle design (00011187 A).*

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Gauge	Panel Catalog Number	Panel Size Height x Width in.	mm
54428-12FD	54.00x42.00x8.00	1372x1067x203	12	**AW5442P**	49.87x37.87	1267x962
60488-12FD	60.00x48.00x8.00	1524x1219x203	10	**AW6048P**	55.87x43.87	1419x1114
604810-12FD	60.00x48.00x10.00	1524x1219x254	10	**AW6048P**	55.87x43.87	1419x1114
606010-12FD	60.00x60.00x10.00	1524x1524x254	10	**AW6060P**	55.87x55.87	1419x1419
726010-12FD	72.00x60.00x10.00	1829x1524x254	10	**AW7260P**	67.87x55.87	1724x1419
727210-12FD	72.00x72.00x10.00	1829x1829x254	10	**AW7272P**	67.87x67.87	1724x1724
604812-12FD	60.00x48.00x12.00	1524x1219x305	10	**AW6048P**	55.87x43.87	1419x1114
606012-12FD	60.00x60.00x12.00	1524x1524x305	10	**AW6060P**	55.87x55.87	1419x1419
726012-12FD	72.00x60.00x12.00	1829x1524x305	10	**AW7260P**	67.87x55.87	1724x1419
727212-12FD	72.00x72.00x12.00	1829x1829x305	10	**AW7272P**	67.87x67.87	1724x1724
604816-12FD	60.00x48.00x16.00	1524x1219x406	10	**AW6048P**	55.87x43.87	1419x1114
606016-12FD	60.00x60.00x16.00	1524x1524x406	10	**AW6060P**	55.87x55.87	1419x1419
726016-12FD	72.00x60.00x16.00	1829x1524x406	10	**AW7260P**	67.87x55.87	1724x1419
727216-12FD	72.00x72.00x16.00	1829x1829x406	10	**AW7272P**	67.87x67.87	1724x1724
604820-12FD	60.00x48.00x20.00	1524x1219x508	10	**AW6048P**	55.87x43.87	1419x1114
726020-12FD	72.00x60.00x20.00	1829x1524x508	10	**AW7260P**	67.87x55.87	1724x1419
727220-12FD	72.00x72.00x20.00	1829x1829x508	10	**AW7272P**	67.87x67.87	1724x1724
604824-12FD	60.00x48.00x24.00	1524x1219x610	10	**AW6048P**	55.87x43.87	1419x1114
606024-12FD	60.00x60.00x24.00	1524x1524x610	10	**AW6060P**	55.87x55.87	1419x1419
726024-12FD	72.00x60.00x24.00	1829x1524x610	10	**AW7260P**	67.87x55.87	1724x1419
727224-12FD	72.00x72.00x24.00	1829x1829x610	10	**AW7272P**	67.87x67.87	1724x1724

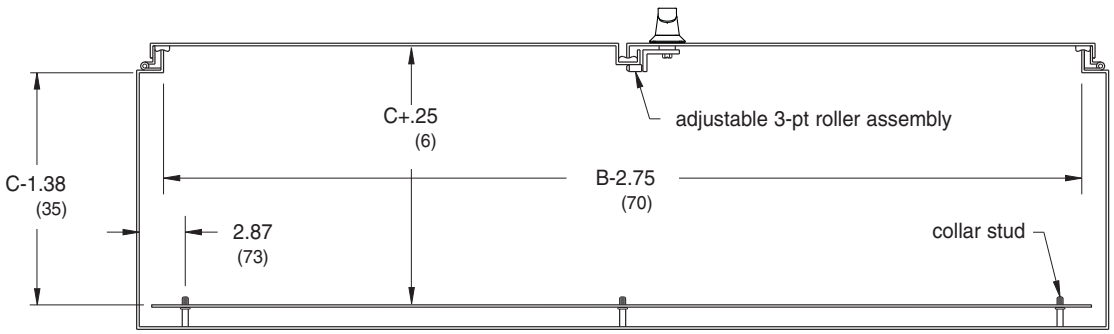
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Double-Door Floor-Standing Enclosures

Illustration Sheet



Note: Four Lifting eyes are furnished when C dimension is 20.00 (508 mm) or more.



Section X-X
(enlarged)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Stainless Steel Double-Door Floor-Standing Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Protects against corrosion, circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Construction

- Enclosure and door are fabricated from code gauge Type 304 or Type 316L stainless steel, (see table)
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge and a center locating, plated steel, 3-pt key-locking handle mechanism which closes the right side door over the left
- Print pocket provided
- Doors have a fixed oil-resistant gasket
- Ground stud provided on doors
- No center post for complete front access
- Heavy gauge angle supports and .375-16 collar studs are provided for mounting optional panel
- Large lifting eyebolts are supplied
- Mounting legs are provided for floor mounting

Finish

- Outer surface of enclosure and cover has a smooth brushed finish

Accessories

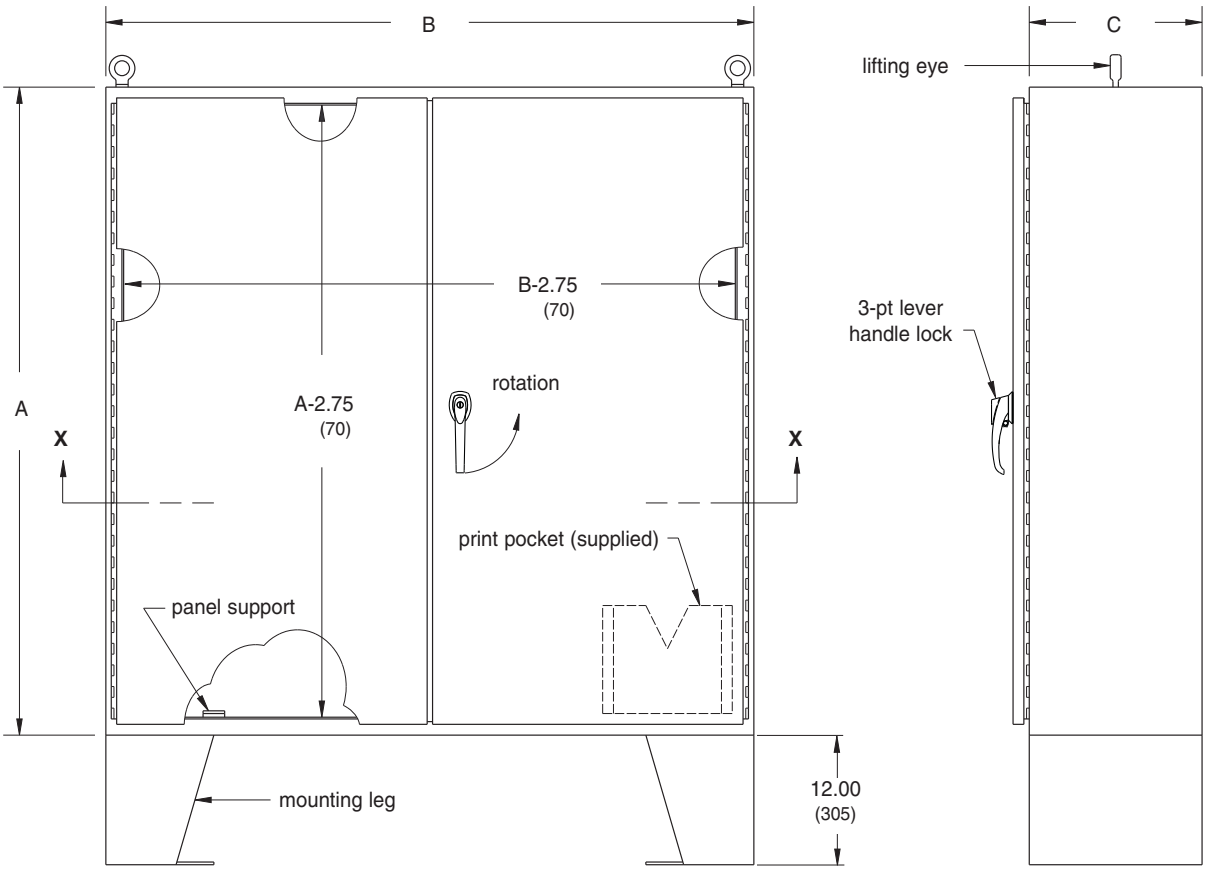
- Panels
- Leg stabilizer kit
- See Accessories section
- *See page 364 for new handle design (00011187 A).*

Enclosure Catalog Number		Enclosure Size Height x Width x Depth A x B x C		Gauge	Panel Catalog Number		Panel Size Height x Width	
Type 304	Type 316L	in.	mm		Steel	Stainless Steel	in.	mm
54428-12SSFD	54428-12SS6FD	54.00x42.00x8.00	1372x1067x203	12	AW5442P	AW5442SP	49.87x37.87	1267x962
60488-12SSFD	60488-12SS6FD	60.00x48.00x8.00	1524x1219x203	10	AW6048P	AW6048SP	55.87x43.87	1419x1114
604810-12SSFD	604810-12SS6FD	60.00x48.00x10.00	1524x1219x254	10	AW6048P	AW6048SP	55.87x43.87	1419x1114
606010-12SSFD	606010-12SS6FD	60.00x60.00x10.00	1524x1524x254	10	AW6060P	AW6060SP	55.87x55.87	1419x1419
726010-12SSFD	726010-12SS6FD	72.00x60.00x10.00	1829x1524x254	10	AW7260P	AW7260SP	67.87x55.87	1724x1419
727210-12SSFD	727210-12SS6FD	72.00x72.00x10.00	1829x1829x254	10	AW7272P	AW7272SP	67.87x67.87	1724x1724
604812-12SSFD	604812-12SS6FD	60.00x48.00x12.00	1524x1219x305	10	AW6048P	AW6048SP	55.87x43.87	1419x1114
606012-12SSFD	606012-12SS6FD	60.00x60.00x12.00	1524x1524x305	10	AW6060P	AW6060SP	55.87x55.87	1419x1419
726012-12SSFD	726012-12SS6FD	72.00x60.00x12.00	1829x1524x305	10	AW7260P	AW7260SP	67.87x55.87	1724x1419
727212-12SSFD	727212-12SS6FD	72.00x72.00x12.00	1829x1829x305	10	AW7272P	AW7272SP	67.87x67.87	1724x1724
604816-12SSFD	604816-12SS6FD	60.00x48.00x16.00	1524x1219x406	10	AW6048P	AW6048SP	55.87x43.87	1419x1114
606016-12SSFD	606016-12SS6FD	60.00x60.00x16.00	1524x1524x406	10	AW6060P	AW6060SP	55.87x55.87	1419x1419
726016-12SSFD	726016-12SS6FD	72.00x60.00x16.00	1829x1524x406	10	AW7260P	AW7260SP	67.87x55.87	1724x1419
727216-12SSFD	727216-12SS6FD	72.00x72.00x16.00	1829x1829x406	10	AW7272P	AW7272SP	67.87x67.87	1724x1724
604820-12SSFD	604820-12SS6FD	60.00x48.00x20.00	1524x1219x508	10	AW6048P	AW6048SP	55.87x43.87	1419x1114
726020-12SSFD	726020-12SS6FD	72.00x60.00x20.00	1829x1524x508	10	AW7260P	AW7260SP	67.87x55.87	1724x1419
727220-12SSFD	727220-12SS6FD	72.00x72.00x20.00	1829x1829x508	10	AW7272P	AW7272SP	67.87x67.87	1724x1724
604824-12SSFD	604824-12SS6FD	60.00x48.00x24.00	1524x1219x610	10	AW6048P	AW6048SP	55.87x43.87	1419x1114
606024-12SSFD	606024-12SS6FD	60.00x60.00x24.00	1524x1524x610	10	AW6060P	AW6060SP	55.87x55.87	1419x1419
726024-12SSFD	726024-12SS6FD	72.00x60.00x24.00	1829x1524x610	10	AW7260P	AW7260SP	67.87x55.87	1724x1419
727224-12SSFD	727224-12SS6FD	72.00x72.00x24.00	1829x1829x610	10	AW7272P	AW7272SP	67.87x67.87	1724x1724

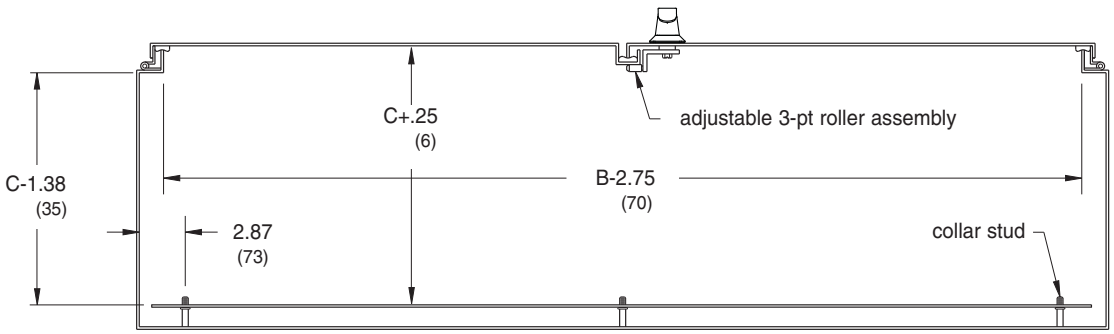
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Stainless Steel Double-Door Floor-Standing Enclosures

Illustration Sheet



Note: Four Lifting eyes are furnished when C dimension is 20.00 (508 mm) or more.

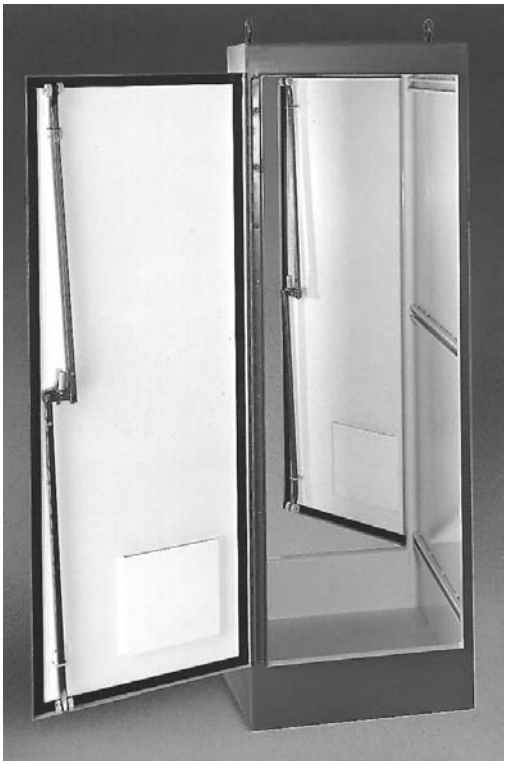


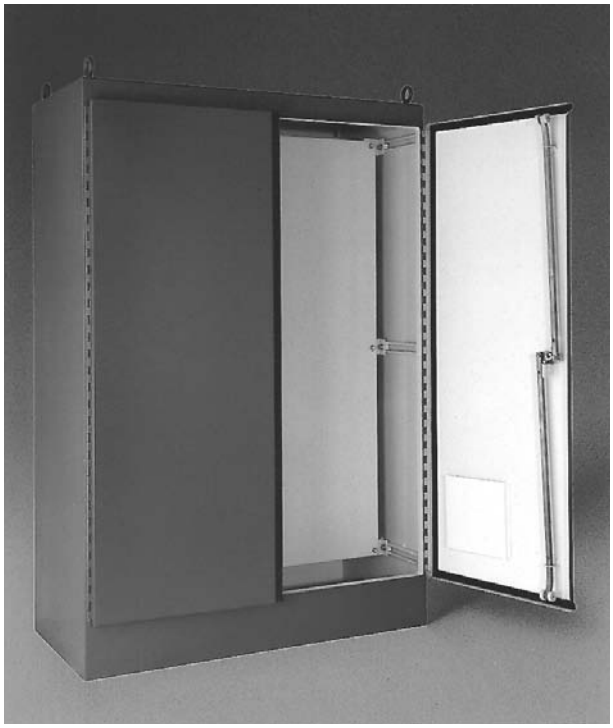
Section X-X
(enlarged)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Enclosures

Data Sheet





Application

- Houses electrical controls and instruments
- Easy access fixed or swing panels for mounting optional equipment
- Dual-access construction available for back-to-back panel and equipment mounting
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Accessories

- Full and half panels
- Side panels
- Swing panels
- Center post
- Rack mount angles and swing out frames (see pages 211 - 212)
- Channel mounting hardware
- Touch-up paint
- See Accessories section
- *See page 364 for new handle design (00011187 A).*

Construction

- Enclosure and door are fabricated from (12) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge and a 3-pt key-locking handle mechanism
- Double-door units close right over left
- Doors have a fixed, oil-resistant gasket
- Ground stud provided on door
- Print pocket provided
- Large lifting eyebolts are supplied
- Mounting channels are welded inside for locating panels along enclosure depth
- Dual-access enclosures permit back-to-back panel mounting
- Swing panels, single full and single half panels can be installed in double-door enclosures when the center post is used
- **A variety of optional panels and accessories are available, (see accessories pages 136-141)**
- Four styles of enclosure construction:
  1. Single-door, single-access
  2. Single-door, dual-access
  3. Double-door, single-access
  4. Double-door, dual-access

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder outside with a white polyester powder finish inside

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Stainless Steel Free-Standing Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Easy access fixed or swing panels for mounting optional equipment
- Dual-access construction available for back-to-back panel and equipment mounting
- Protects against corrosion, circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Construction

- Enclosure and door are fabricated from (12) gauge Type 304 or Type 316L stainless steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge and a 3-pt key-locking handle mechanism
- Double-door units close right over left
- Doors have a fixed, oil-resistant gasket
- Ground stud provided on door
- Print pocket provided
- Large lifting eyebolts are supplied
- Mounting channels are welded inside for locating panels along enclosure depth
- Dual-access enclosures permit back-to-back panel mounting
- Swing panels, single full and single half panels can be installed in double-door enclosures when the center post is used
- **A variety of optional panels and accessories are available, (see accessories pages 136-141)**
- Four styles of enclosure construction:
  1. Single-door, single-access
  2. Single-door, dual-access
  3. Double-door, single-access
  4. Double-door, dual-access

Finish

- Outer surface of enclosure and cover has a smooth brushed finish

Accessories

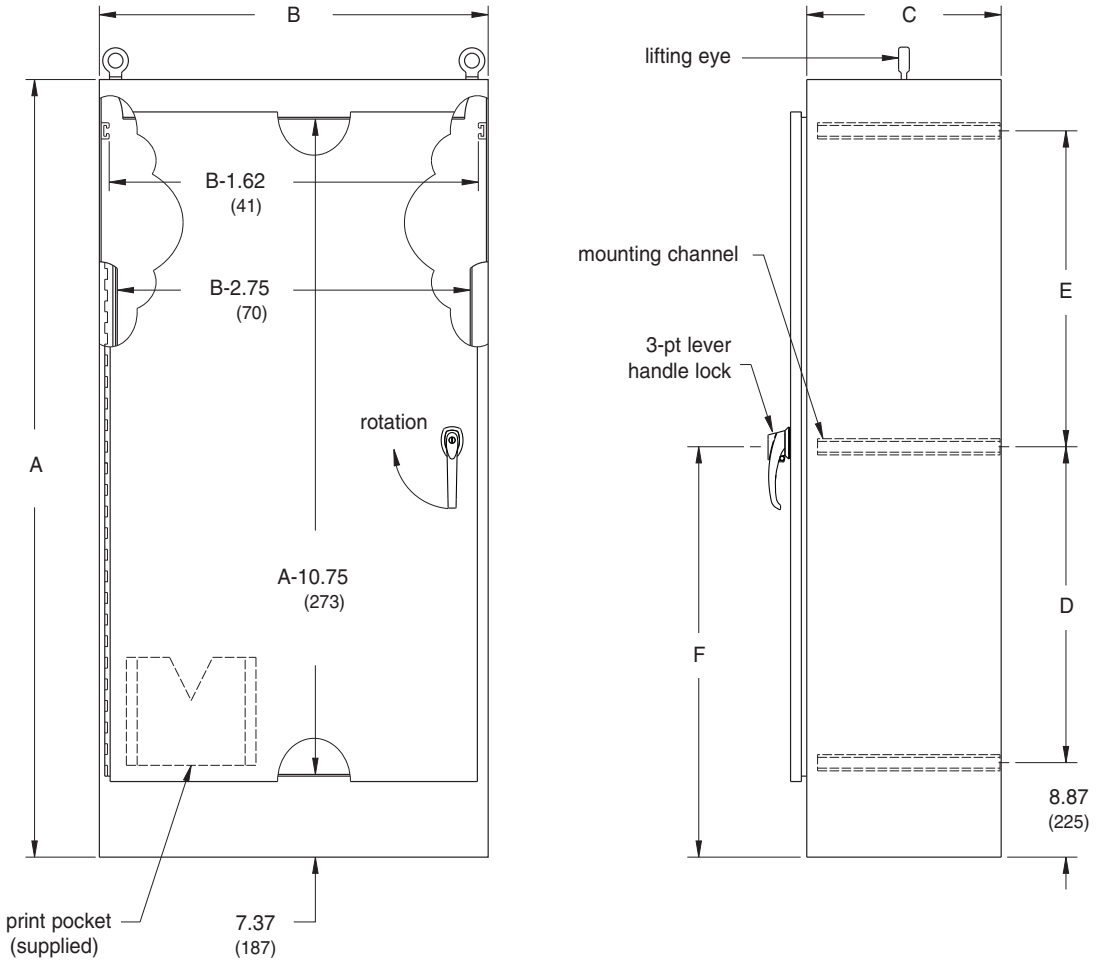
- Full and half panels
- Side panels
- Swing panels
- Center post
- Rack mount angles and swing out frames (see pages 211 - 212)
- Channel mounting hardware
- Touch-up paint
- See Accessories section
- *See page 364 for new handle design (00011187 A).*

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Free-Standing Single-Door Single-Access Enclosures

Catalog Number

Enclosure Catalog Number			Enclosure Size Height x Width x Depth A x B x C		D		E		F	
ANSI 61 Gray Carbon Steel	Type 304 Stainless Steel	Type 316L Stainless Steel	in.	mm	in.	mm	in.	mm	in.	mm
602418-12FS	602418-12SSFS	602418-12SS6FS	60.00x24.00x18.00	1524x610x457	23.12	587	23.12	587	32.00	813
722418-12FS	722418-12SSFS	722418-12SS6FS	72.00x24.00x18.00	1829x610x457	29.12	740	29.12	740	38.00	965
723018-12FS	723018-12SSFS	723018-12SS6FS	72.00x30.00x18.00	1829x762x457	29.12	740	29.12	740	38.00	965
723618-12FS	723618-12SSFS	723618-12SS6FS	72.00x36.00x18.00	1829x914x457	29.12	740	29.12	740	38.00	965
902420-12FS	902420-12SSFS	902420-12SS6FS	90.00x24.00x20.00	2286x610x508	38.12	968	38.12	968	47.00	1194
903620-12FS	903620-12SSFS	903620-12SS6FS	90.00x36.00x20.00	2286x914x508	38.12	968	38.12	968	47.00	1194
603624-12FS	603624-12SSFS	603624-12SS6FS	60.00x36.00x24.00	1524x914x610	23.12	587	23.12	587	32.00	813
722424-12FS	722424-12SSFS	722424-12SS6FS	72.00x24.00x24.00	1829x610x610	29.12	740	29.12	740	38.00	965
723024-12FS	723024-12SSFS	723024-12SS6FS	72.00x30.00x24.00	1829x762x610	29.12	740	29.12	740	38.00	965
723624-12FS	723624-12SSFS	723624-12SS6FS	72.00x36.00x24.00	1829x914x610	29.12	740	29.12	740	38.00	965
903624-12FS	903624-12SSFS	903624-12SS6FS	90.00x36.00x24.00	2286x914x610	38.12	968	38.12	968	47.00	1194
722430-12FS	722430-12SSFS	722430-12SS6FS	72.00x24.00x30.00	1829x610x762	29.12	740	29.12	740	38.00	965
723630-12FS	723630-12SSFS	723630-12SS6FS	72.00x36.00x30.00	1829x914x762	29.12	740	29.12	740	38.00	965
723636-12FS	723636-12SSFS	723636-12SS6FS	72.00x36.00x36.00	1829x914x914	29.12	740	29.12	740	38.00	965
903636-12FS	903636-12SSFS	903636-12SS6FS	90.00x36.00x36.00	2286x914x914	38.12	968	38.12	968	47.00	1194

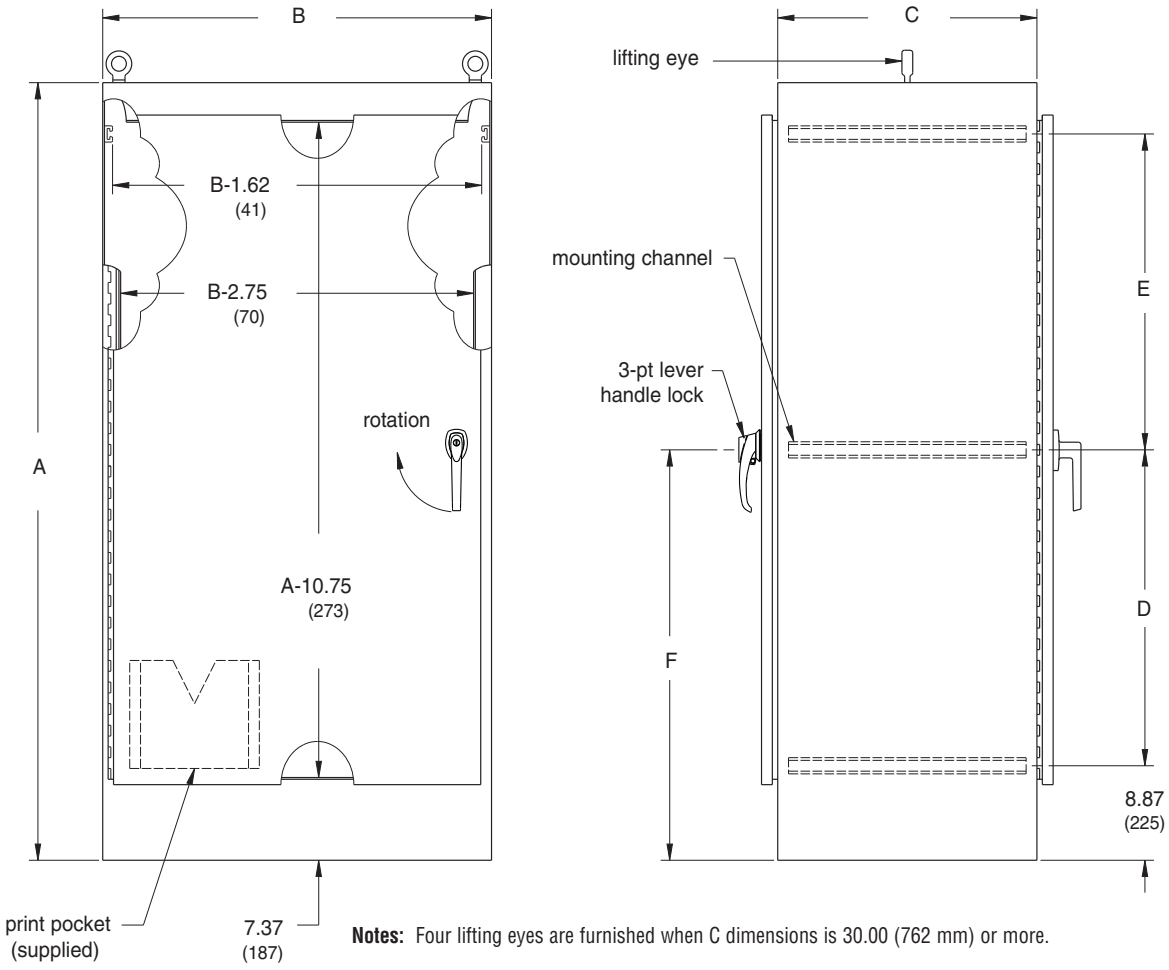


Notes: Four lifting eyes are furnished when C dimension is 30.00 (762 mm) or more.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.
Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Free-Standing Single-Door Dual-Access Enclosures

Catalog Number

Enclosure Catalog Number			Enclosure Size Height x Width x Depth A x B x C		D		E		F	
ANSI 61 Gray Carbon Steel	Type 304 Stainless Steel	Type 316L Stainless Steel	in.	mm	in.	mm	in.	mm	in.	mm
722424-12FSDA	722424-12SSFSDA	722424-12SS6FSDA	72.00x24.00x24.00	1829x610x610	29.12	740	29.12	740	38.00	965
723024-12FSDA	723024-12SSFSDA	723024-12SS6FSDA	72.00x30.00x24.00	1829x762x610	29.12	740	29.12	740	38.00	965
723624-12FSDA	723624-12SSFSDA	723624-12SS6FSDA	72.00x36.00x24.00	1829x914x610	29.12	740	29.12	740	38.00	965
903624-12FSDA	903624-12SSFSDA	903624-12SS6FSDA	90.00x36.00x24.00	2286x914x610	38.12	968	38.12	968	47.00	1194
722430-12FSDA	722430-12SSFSDA	722430-12SS6FSDA	72.00x24.00x30.00	1829x610x762	29.12	740	29.12	740	38.00	965
722436-12FSDA	722436-12SSFSDA	722436-12SS6FSDA	72.00x24.00x36.00	1829x610x914	29.12	740	29.12	740	38.00	965
723636-12FSDA	723636-12SSFSDA	723636-12SS6FSDA	72.00x36.00x36.00	1829x914x914	29.12	740	29.12	740	38.00	965
903636-12FSDA	903636-12SSFSDA	903636-12SS6FSDA	90.00x36.00x36.00	2286x914x914	38.12	968	38.12	968	47.00	1194



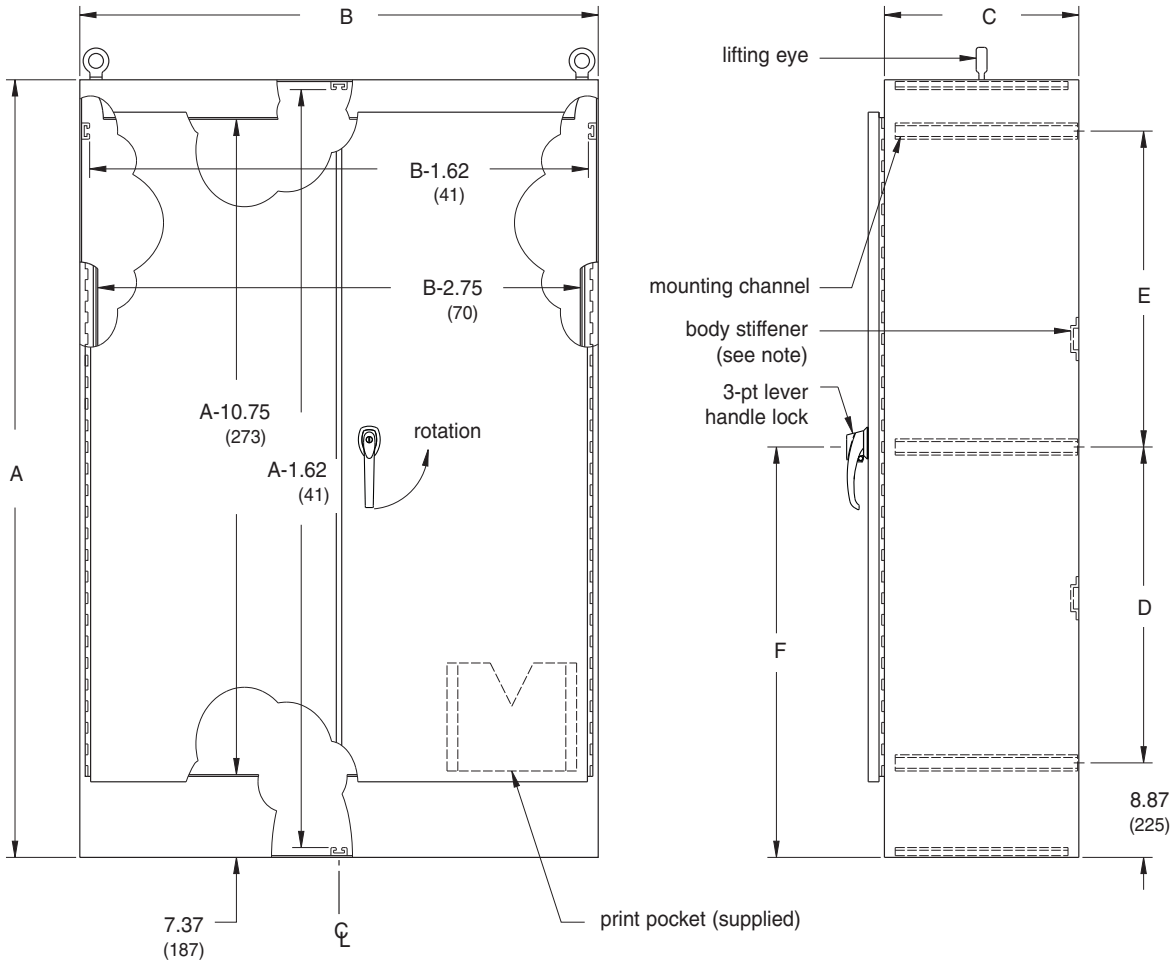
Notes: Four lifting eyes are furnished when C dimensions is 30.00 (762 mm) or more.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Double-Door Single-Access Enclosures

Catalog Number

Enclosure Catalog Number			Enclosure Size Height x Width x Depth A x B x C		D		E		F	
ANSI 61 Gray Carbon Steel	Type 304 Stainless Steel	Type 316L Stainless Steel	in.	mm	in.	mm	in.	mm	in.	mm
604818-12FSD	604818-12SSFSD	604818-12SS6FSD	60.00x48.00x18.00	1524x1219x457	23.12	587	23.12	587	32.00	813
724818-12FSD	724818-12SSFSD	724818-12SS6FSD	72.00x48.00x18.00	1829x1219x457	29.12	740	29.12	740	38.00	965
726018-12FSD	726018-12SSFSD	726018-12SS6FSD	72.00x60.00x18.00	1829x1524x457	29.12	740	29.12	740	38.00	965
727218-12FSD	727218-12SSFSD	727218-12SS6FSD	72.00x72.00x18.00	1829x1829x457	29.12	740	29.12	740	38.00	965
904820-12FSD	904820-12SSFSD	904820-12SS6FSD	90.00x48.00x20.00	2286x1219x508	38.12	968	38.12	968	47.00	1194
907220-12FSD	907220-12SSFSD	907220-12SS6FSD	90.00x72.00x20.00	2286x1829x508	38.12	968	38.12	968	47.00	1194
724824-12FSD	724824-12SSFSD	724824-12SS6FSD	72.00x48.00x24.00	1829x1219x610	29.12	740	29.12	740	38.00	965
726024-12FSD	726024-12SSFSD	726024-12SS6FSD	72.00x60.00x24.00	1829x1524x610	29.12	740	29.12	740	38.00	965
727224-12FSD	727224-12SSFSD	727224-12SS6FSD	72.00x72.00x24.00	1829x1829x610	29.12	740	29.12	740	38.00	965
907224-12FSD	907224-12SSFSD	907224-12SS6FSD	90.00x72.00x24.00	2286x1829x610	38.12	968	38.12	968	47.00	1194
726036-12FSD	726036-12SSFSD	726036-12SS6FSD	72.00x60.00x36.00	1829x1524x914	29.12	740	29.12	740	38.00	965
907236-12FSD	907236-12SSFSD	907236-12SS6FSD	90.00x72.00x36.00	2286x1829x914	38.12	968	38.12	968	47.00	1194

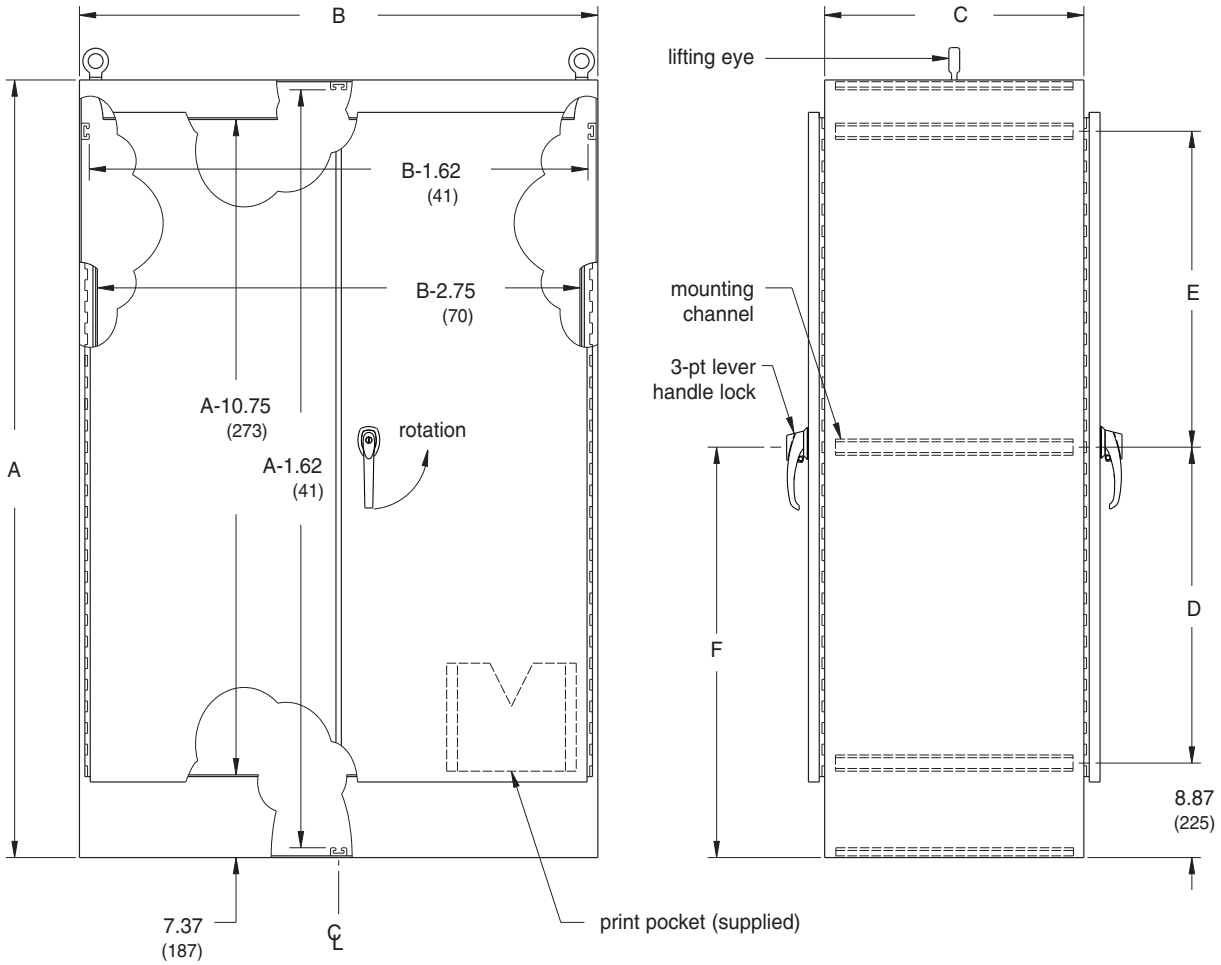


Notes: Two body stiffeners spaced evenly along enclosure height. Four lifting eyes are furnished when C dimension is 36.00 (914 mm). Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice. Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Free-Standing Double-Door Dual-Access Enclosures

Catalog Number

Enclosure Catalog Number			Enclosure Size Height x Width x Depth A x B x C		D		E		F	
ANSI 61 Gray Carbon Steel	Type 304 Stainless Steel	Type 316L Stainless Steel	in.	mm	in.	mm	in.	mm	in.	mm
724824-12FSDDA	724824-12SSFSDDA	724824-12SS6FSDDA	72.00x48.00x24.00	1829x1219x610	29.12	740	29.12	740	38.00	965
726024-12FSDDA	726024-12SSFSDDA	726024-12SS6FSDDA	72.00x60.00x24.00	1829x1524x610	29.12	740	29.12	740	38.00	965
727224-12FSDDA	727224-12SSFSDDA	727224-12SS6FSDDA	72.00x72.00x24.00	1829x1829x610	29.12	740	29.12	740	38.00	965
907224-12FSDDA	907224-12SSFSDDA	907224-12SS6FSDDA	90.00x72.00x24.00	2286x1829x610	38.12	968	38.12	968	47.00	1194
726036-12FSDDA	726036-12SSFSDDA	726036-12SS6FSDDA	72.00x60.00x36.00	1829x1524x914	29.12	740	29.12	740	38.00	965



Notes: Four lifting eyes are furnished when C dimensions is 30.00 (762 mm) or more.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

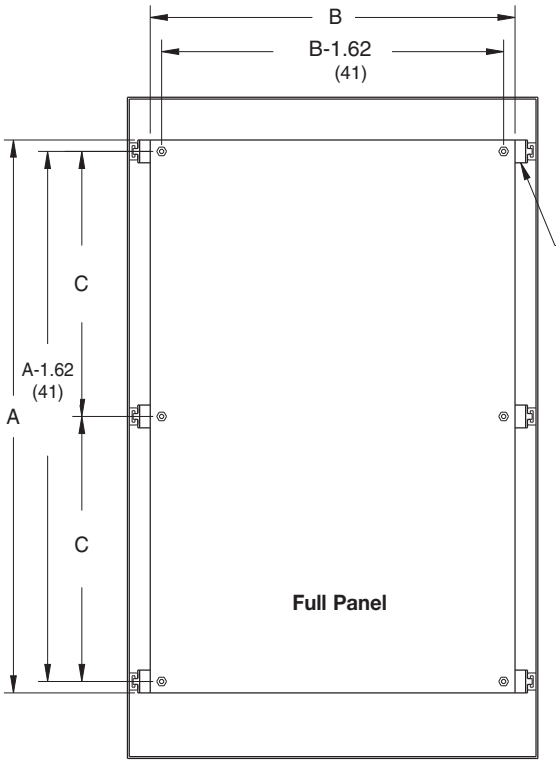
Type 12 Free-Standing Single-Door Enclosures

Full and Half Panel Accessories

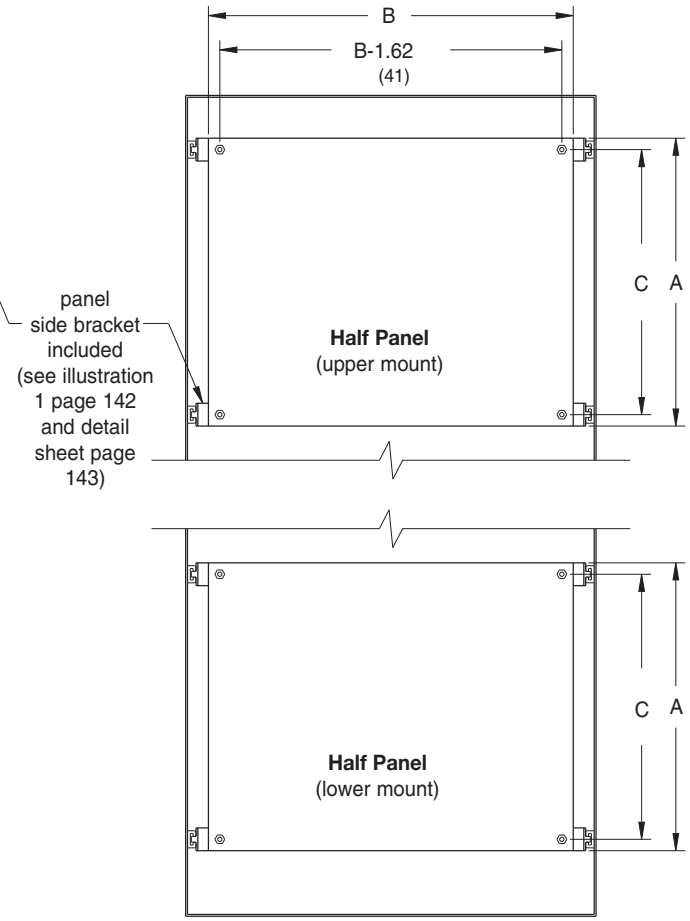
Catalog Number

Full Panel (Single-Door)						
Panel	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
Catalog Number	in.	mm	in.	mm	in.	mm
AF6024P	47.87x19.87	1216x505	23.12	587	60.00x24.00	1524x610
AF6036P	47.87x31.87	1216x809	23.12	587	60.00x36.00	1524x914
AF7224P	59.87x19.87	1521x505	29.12	740	72.00x24.00	1829x610
AF7230P	59.87x25.87	1521x657	29.12	740	72.00x30.00	1829x762
AF7236P	59.87x31.87	1521x809	29.12	740	72.00x36.00	1829x914
AF9024P	77.87x19.87	1978x505	38.12	968	90.00x24.00	2286x610
AF9036P	77.87x31.87	1978x809	38.12	968	90.00x36.00	2286x914

Half Panel (Single-Door)						
Panel	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
Catalog Number	in.	mm	in.	mm	in.	mm
AF6024HP	24.75x19.87	629x505	23.12	587	60.00x24.00	1524x610
AF6036HP	24.75x31.87	629x809	23.12	587	60.00x36.00	1524x914
AF7224HP	30.75x19.87	781x505	29.12	587	72.00x24.00	1829x610
AF7230HP	30.75x25.87	781x657	29.12	587	72.00x30.00	1829x762
AF7236HP	30.75x31.87	781x809	29.12	587	72.00x36.00	1829x914
AF9024HP	39.75x19.87	1010x505	38.12	968	90.00x24.00	2286x610
AF9036HP	39.75x31.87	1010x809	38.12	968	90.00x36.00	2286x914



Full Panel Mounting



Half Panel Mounting

Note: Full and Half panel for single-door, single and dual-access enclosures are (12) gauge steel and furnished with panel side brackets and all hardware necessary for channel and panel mounting. Half Panels can be mounted in either the upper or lower portion of the enclosure. Free standing design permits the panel to adjust along the depth of the enclosure. With dual-access enclosures, Full and Half panels can be mounted back-to-back.

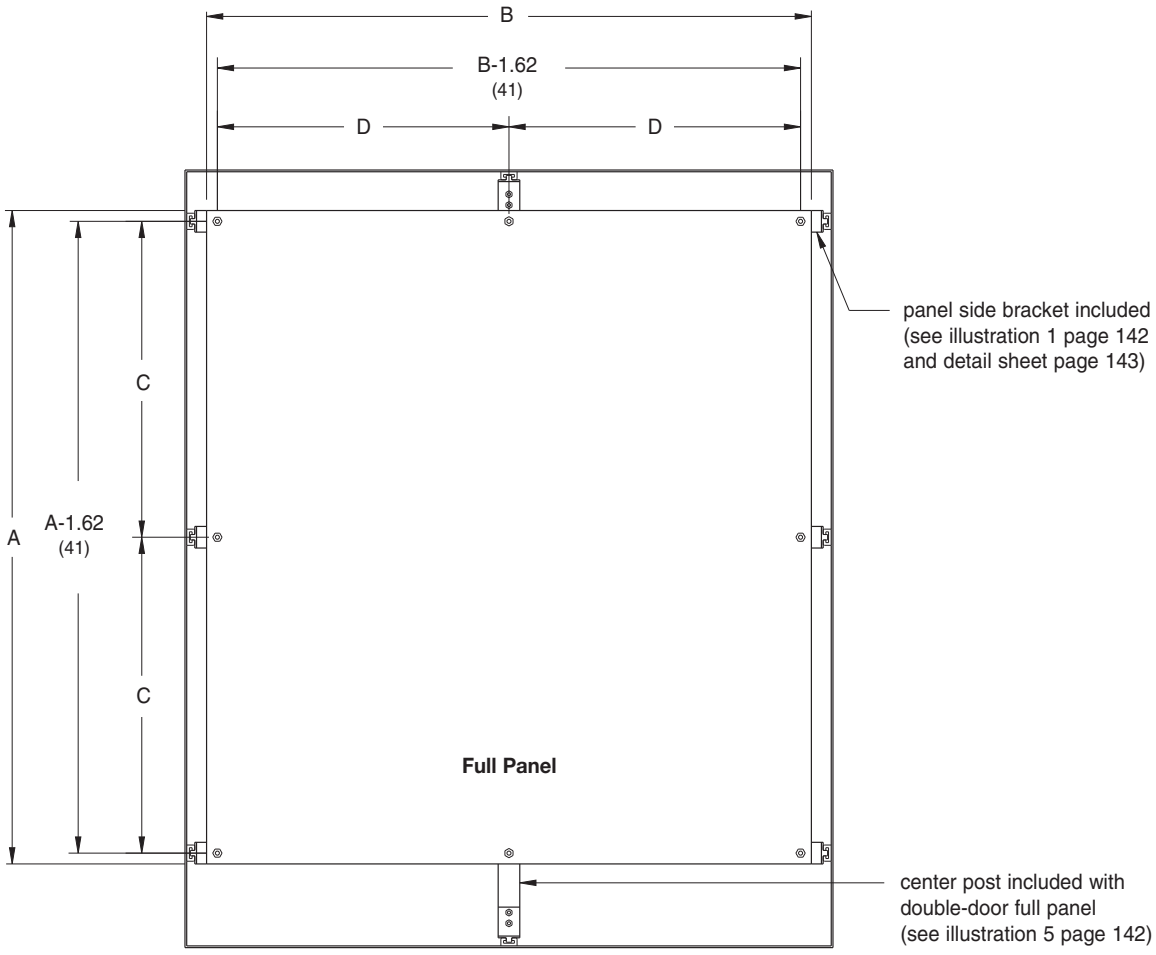
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Double-Door Enclosures

Full Panel Accessories

Catalog Number

Panel Catalog Number	Panel Size Height x Width A x B in.	mm	C in.	mm	D in.	mm	Fits Enclosure Height x Width in.	mm
AF6048P	47.87x43.87	1216x1114	23.12	587	21.12	530	60.00x48.00	1524x1219
AF6060P	47.87x55.87	1216x1419	23.12	587	27.12	689	60.00x60.00	1524x1524
AF7248P	59.87x43.87	1521x1114	29.12	740	21.12	530	72.00x48.00	1829x1219
AF7260P	59.87x55.87	1521x1419	29.12	740	27.12	689	72.00x60.00	1829x1524
AF7272P	59.87x67.87	1521x1724	29.12	740	33.12	841	72.00x72.00	1829x1829
AF9048P	77.87x43.87	1978x1114	38.12	968	21.12	530	90.00x48.00	2286x1219
AF9072P	77.87x67.87	1978x1724	38.12	968	33.12	841	90.00x72.00	2286x1829



Full Panel Mounting

Notes: Full Panel for double-door, single and dual-access enclosures are (10) gauge steel and furnished with Panel Brackets, Center Post assembly, panel handle kit and all hardware necessary for channel and panel mounting. The Center Post assembly offers additional support of panel and equipment. Free-standing design permits the panel to adjust along the depth of the enclosure. With dual-access enclosures, Full and Half Panels can be mounted back-to-back.

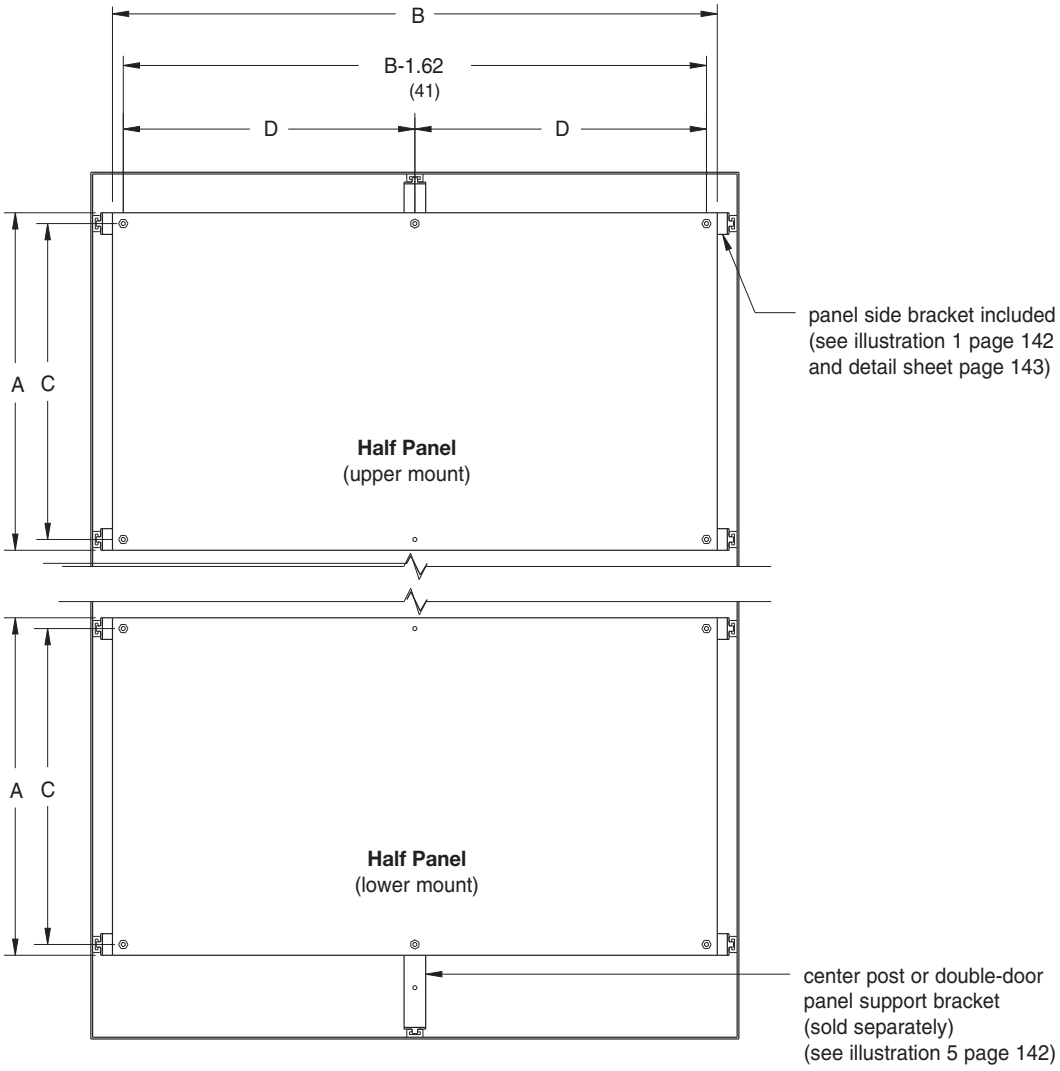
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Double-Door Enclosures

Half Panel Accessories

Catalog Number

Panel Catalog Number	Panel Size Height x Width A x B in.	mm	C in.	mm	D in.	mm	Fits Enclosure Height x Width in.	mm
AF6048HP	24.75x43.87	629x1114	23.12	587	21.12	536	60.00x48.00	1524x1219
AF7248HP	30.75x43.87	781x1114	29.12	740	21.12	536	72.00x48.00	1829x1219
AF7260HP	30.75x55.87	781x1419	29.12	740	7.12	181	72.00x60.00	1829x1524
AF7272HP	30.75x67.87	781x1724	29.12	740	33.12	841	72.00x72.00	1829x1829
AF9048HP	39.75x43.87	1010x1114	38.12	968	21.12	536	90.00x48.00	2286x1219
AF9072HP	39.85x67.87	1012x1724	38.12	968	33.12	841	90.00x72.00	2286x1829



Half Panel Mounting

Note: Half panel for double-door, single and dual-access enclosures are (12) gauge steel and furnished with Panel Brackets and all hardware necessary for channel and panel mounting. **A Center Post assembly or a double-door panel support bracket (catalog number AFSUP2) for additional support of the panel is optional and sold separately.** Free-standing design permits the panel to adjust along the depth of the enclosure. With dual-access enclosures, Full and Half Panels can be mounted back-to-back.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Enclosures

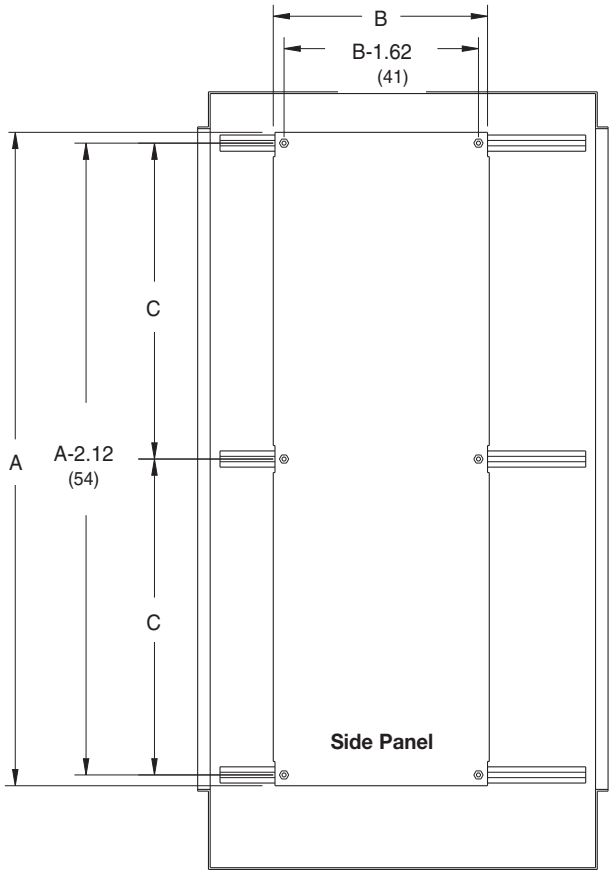
Side Panel And Center Post Accessories

Catalog Number

Side Panel								
Panel	Panel Size Height x Width A x B		C		Fits Enclosure Height		Depth*	
Catalog Number	in.	mm	in.	mm	in.	mm	in.	mm
AF6018SP	48.37x13.87	1229x340	23.12	587	60.00	1524	18.00	457
AF7218SP	60.37x13.87	1533x340	29.12	740	72.00	1829	18.00	457
AF7224SP	60.37x19.87	1533x505	29.12	740	72.00	1829	24.00	610
AF9018SP	78.37x13.87	1991x340	38.12	968	90.00	2286	18.00	457
AF9024SP	78.37x19.87	1991x505	38.12	968	90.00	2286	24.00	457

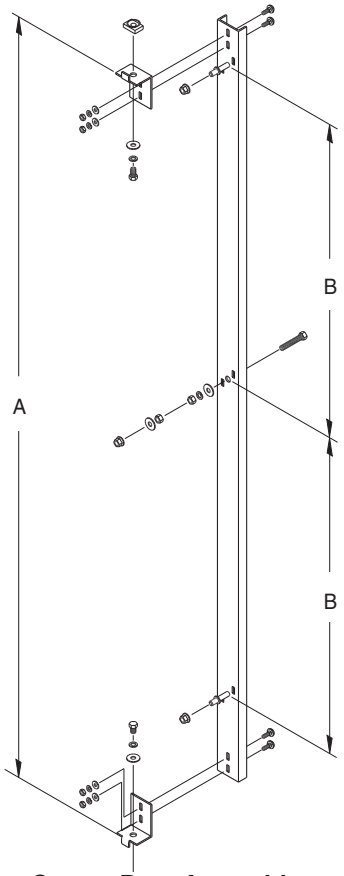
Center Post						
Center Post	A		B		Fits Enclosure Height	
Catalog Number	in.	mm	in.	mm	in.	mm
AF60CPS	58.37	1483	23.12	587	60.00	1524
AF72CPS	70.37	1787	29.12	740	72.00	1829
AF90CPS	88.37	2245	38.12	968	90.00	2286

* Back panels restrict the movement of side panels and will prohibit mounting in some depths. See detail sheet for back panel spacing.



Side Panel Mounting

Side Panels are (12) gauge steel and furnished with hardware necessary for channel mounting. They will fit any width enclosure and are adjustable along its depth, however, when Full or Half Panels are installed, movement will be restricted and with some depths make side mounting prohibitive.



Center Post Assembly

Center Post assembly is furnished with all double-door Full Panels and includes hardware necessary for channel and panel mounting. The Center Post is optional on double-door Half Panels and Swing Panel mounting and must be ordered separately. It attaches to the top and bottom channels making it adjustable along the depth of the enclosure. See illustration #5 on the Detail Sheet-page 142.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

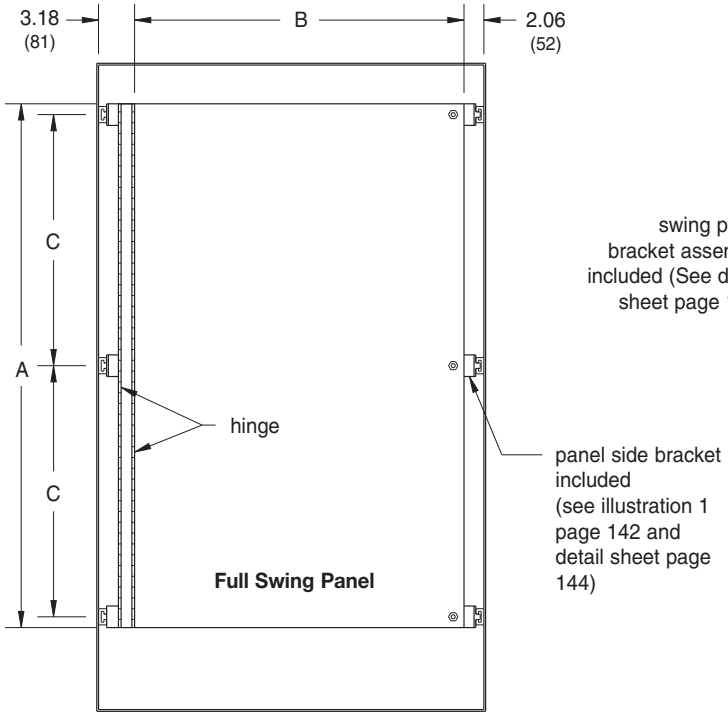
Type 12 Free-Standing Single-Door Enclosures

Full and Half Swing Panel Accessories

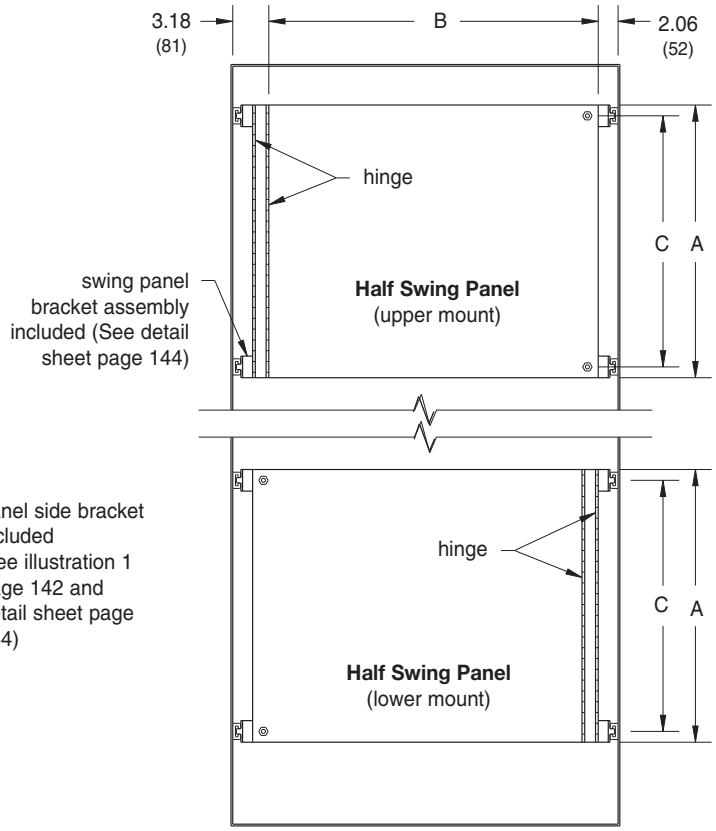
Catalog Number

Full Swing Panel						
Panel Catalog Number	Panel Size Height x Width A x B in.	mm	C in.	mm	Fits Enclosure Height x Width in.	mm
AF6024SWP	47.87x18.75	1216x476	23.12	587	60.00x24.00	1524x610
AF6036SWP	47.87x30.75	1216x781	23.12	587	60.00x36.00	1524x914
AF7224SWP	59.87x18.75	1521x476	29.12	740	72.00x24.00	1829x610
AF7230SWP	59.87x24.75	1521x629	29.12	740	72.00x30.00	1829x762
AF7236SWP	59.87x30.75	1521x781	29.12	740	72.00x36.00	1829x914
AF9024SWP	77.87x18.75	1978x476	38.12	968	90.00x24.00	2286x610
AF9036SWP	77.87x30.75	1978x781	38.12	968	90.00x36.00	2286x914

Half Swing Panel						
Panel Catalog Number	Panel Size Height x Width A x B in.	mm	C in.	mm	Fits Enclosure Height x Width in.	mm
AF6024HSWP	24.75x18.75	629x476	23.12	587	60.00x24.00	1524x610
AF6036HSWP	24.75x30.75	629x781	23.12	587	60.00x36.00	1524x914
AF7224HSWP	30.75x18.75	781x476	29.12	740	72.00x24.00	1829x610
AF7230HSWP	30.75x24.75	781x629	29.12	740	72.00x30.00	1829x762
AF7236HSWP	30.75x30.75	781x781	29.12	740	72.00x36.00	1829x914
AF9024HSWP	39.75x18.75	1010x476	38.12	968	90.00x24.00	2286x610
AF9036HSWP	39.75x30.75	1010x781	38.12	968	90.00x36.00	2286x914



Full Swing Panel Mounting



Half Swing Panel Mounting

Note: Full Swing Panel and Half Swing Panel for single-door, single and dual-access enclosures are (12) gauge steel, have a dual hinge swing panel bracket and furnished with Panel Brackets and all hardware necessary for channel and panel mounting. Panels can be installed so they hinge on either the left or right side. In addition, Half Panels can be mounted in either the upper or lower portion of the enclosure. Free-standing design permits the panel to be adjustable along the depth of the enclosure. The dual hinge will allow the inner panel to swing completely out of the door opening when within 5.50 inches of the front. With dual-access enclosures, Full and Half Swing Panels can be mounted back-to-back.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Double-Door Enclosures

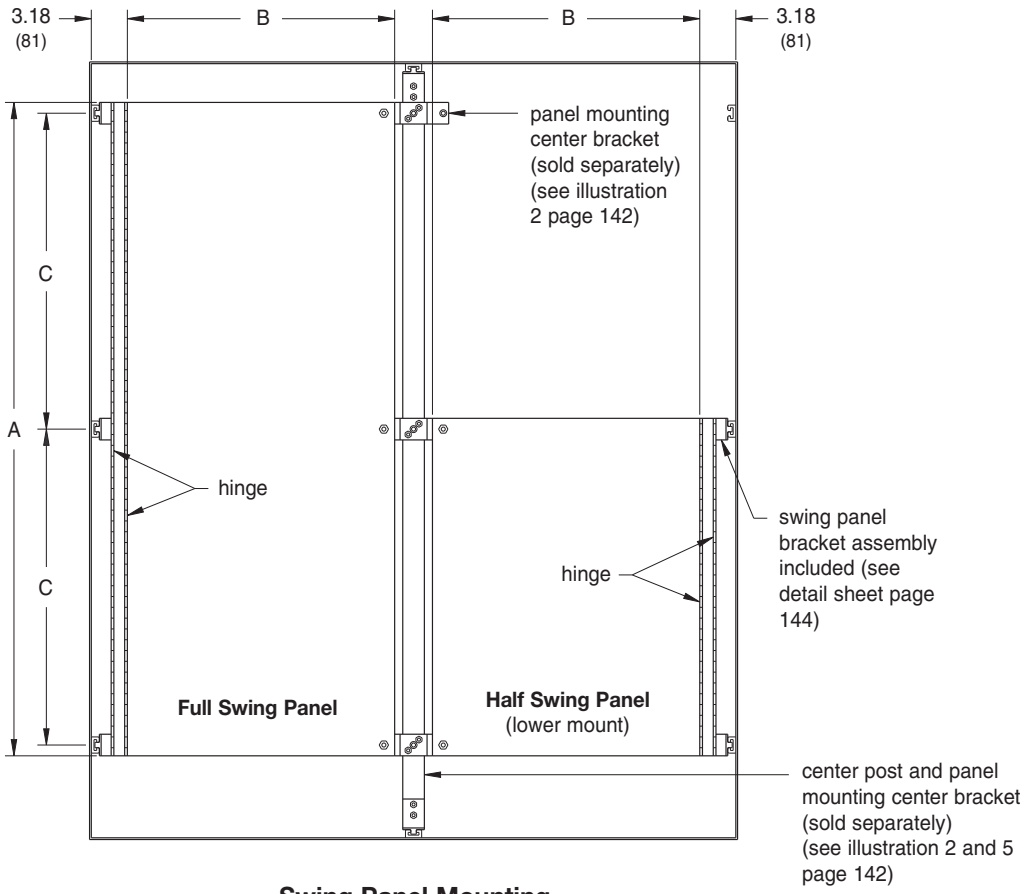
Full and Half Swing Panel Accessories

Catalog Number

Full Swing Panel						
Panel	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
Catalog Number	in.	mm	in.	mm	in.	mm
AF6024SWP	47.87x18.75	1216x476	23.12	587	60.00x48.00	1524x1219
AF7224SWP	59.87x18.75	1521x476	29.12	740	72.00x48.00	1829x1219
AF7230SWP	59.87x24.75	1521x629	29.12	740	72.00x60.00	1829x1524
AF7236SWP	59.87x30.75	1521x781	29.12	740	72.00x72.00	1829x1829
AF9024SWP	77.87x18.75	1978x781	38.12	968	90.00x48.00	2286x1219
AF9036SWP	77.87x30.75	1978x781	38.12	968	90.00x72.00	2286x1829

Half Swing Panel						
Panel	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
Catalog Number	in.	mm	in.	mm	in.	mm
AF6024HSWP	24.75x18.75	629x476	23.12	587	60.00x48.00	1524x1219
AF7224HSWP	30.75x18.75	781x476	29.12	740	72.00x48.00	1829x1219
AF7230HSWP	30.75x24.75	781x629	29.12	740	72.00x60.00	1829x1524
AF7236HSWP	30.75x30.75	781x781	29.12	740	72.00x72.00	1829x1829
AF9024HSWP	39.75x18.75	1010x476	38.12	968	90.00x48.00	2286x1219
AF9036HSWP	39.75x30.75	1010x781	38.12	968	90.00x72.00	2286x1829

A Center Post assembly and Center Bracket must be ordered separately.



Swing Panel Mounting

Note: Full Swing Panel and Half Swing Panel for double-door, single and dual-access enclosures are (12) gauge steel, have a dual hinge swing panel bracket, and furnished with hardware necessary for side channel mounting. **A Center Post assembly and Center Bracket must be ordered separately.** Panels can be installed so they hinge either on the left or right side. In addition, Half Panels can be mounted in either the upper or lower portion of the enclosure. Free-standing design permits the panel to adjust along the depth of the enclosure. The dual hinge will allow the inner panel to swing completely out of the door opening when within 5.50 inches of the front. With dual-access enclosures, Full and Half Swing Panels can be mounted back-to-back.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Enclosures

Miscellaneous Accessories

Detail Sheet

Miscellaneous Accessories			
Catalog Number	**Description**	**Illustration**	**Quantity**
AFSBRKT1	Panel mounting side bracket	1	1
AFCBRKT3	Panel mounting center bracket	2	3
AFCMH3	Channel mounting hardware	3	3
AFPSUP2	Double-door panel support bracket	4	2

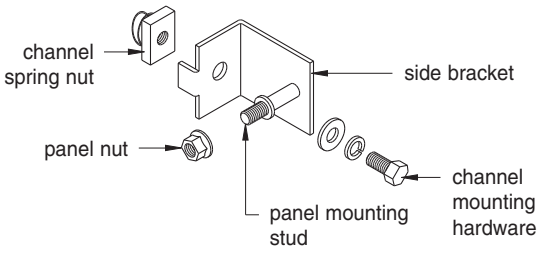


Illustration 1

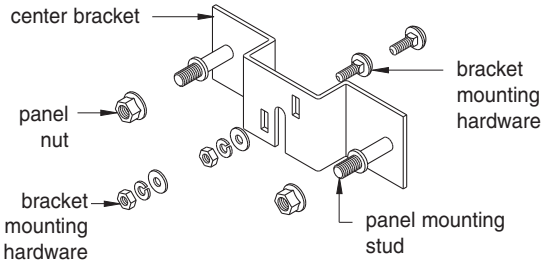


Illustration 2

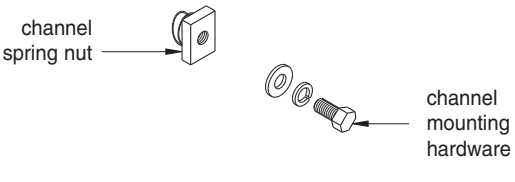


Illustration 3

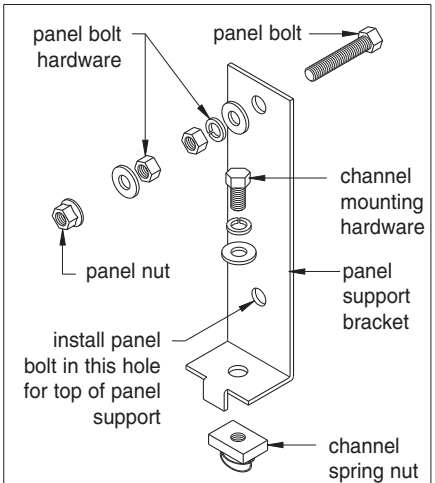


Illustration 4

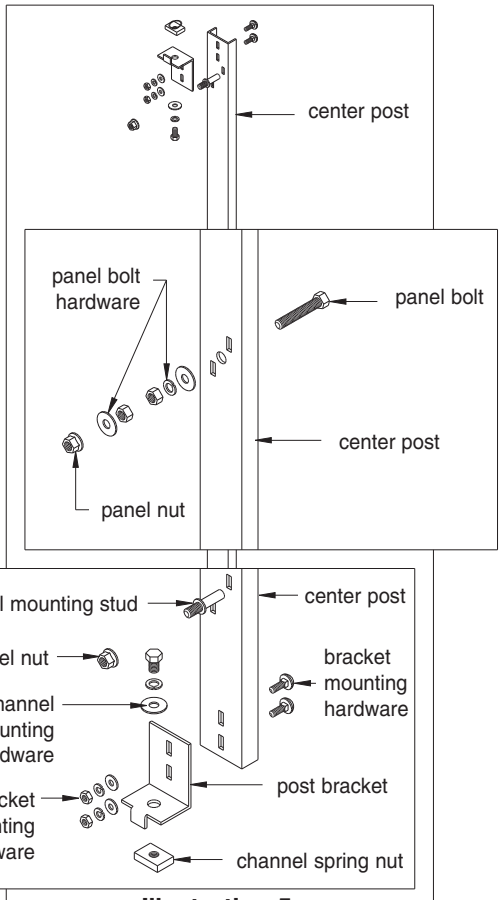


Illustration 5

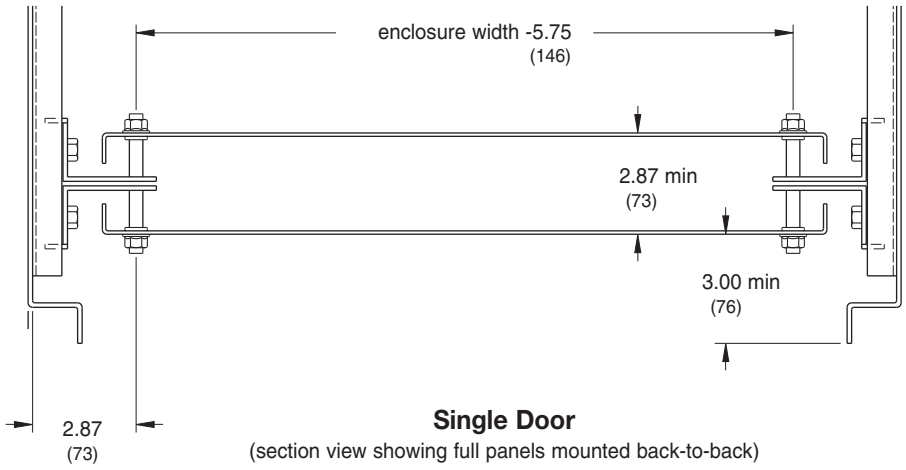
See catalog number page 139

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

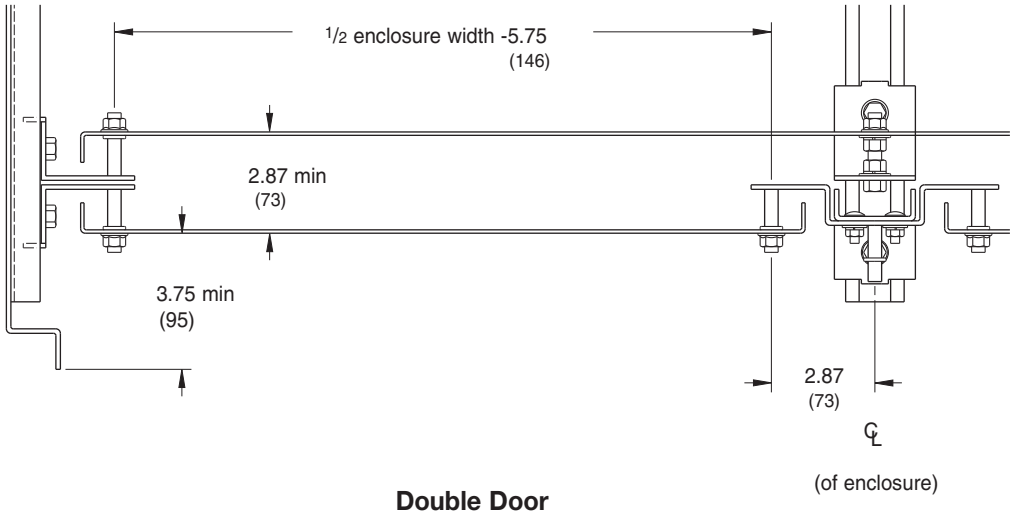
Type 12 Free-Standing Enclosures

Panel and Enclosure Detail

Detail Sheet



Single Door
(section view showing full panels mounted back-to-back)



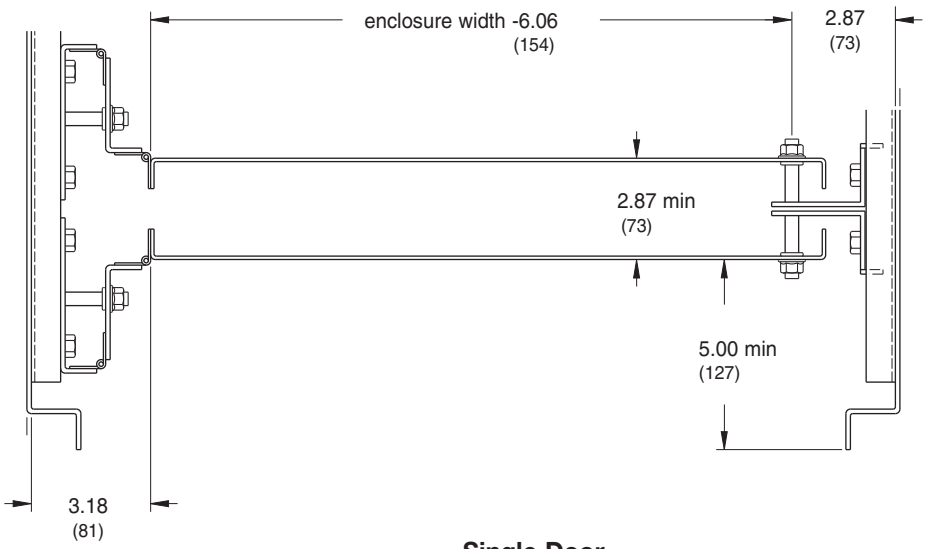
Double Door
(section view showing full panels mounted back-to-back)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

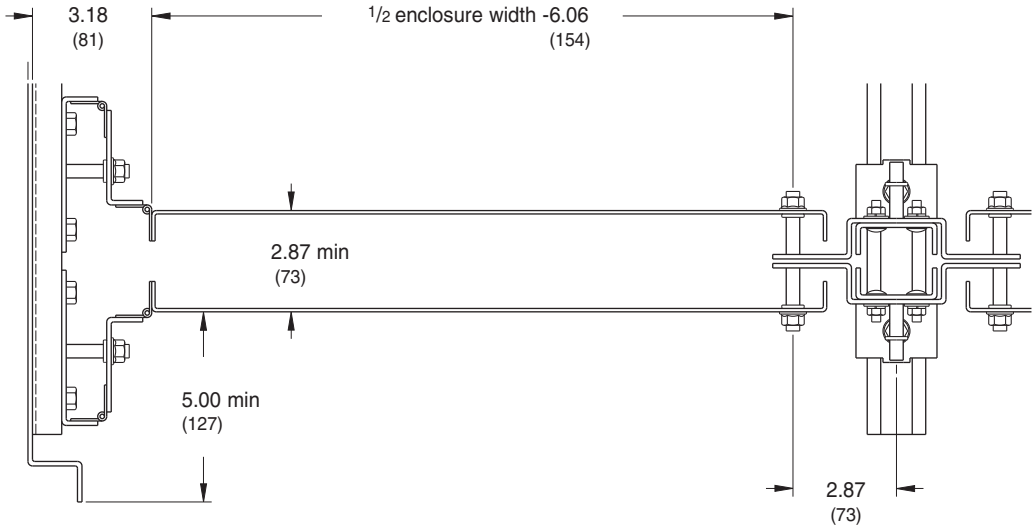
Type 12 Free-Standing Enclosures

Swing Panel and Enclosure Detail

Detail Sheet



Single Door
(section view showing swing panels mounted back-to-back)



Double Door
(section view showing swing panels mounted back-to-back)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Multi-Door Enclosures

Data Sheet

Application
- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards
- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Accessories
- Channel mounting hardware
- Touch-up paint
- See Accessories section

Finish
- Wash and phosphate undercoat
- ANSI 61 gray polyester powder outside with a white polyester powder finish inside

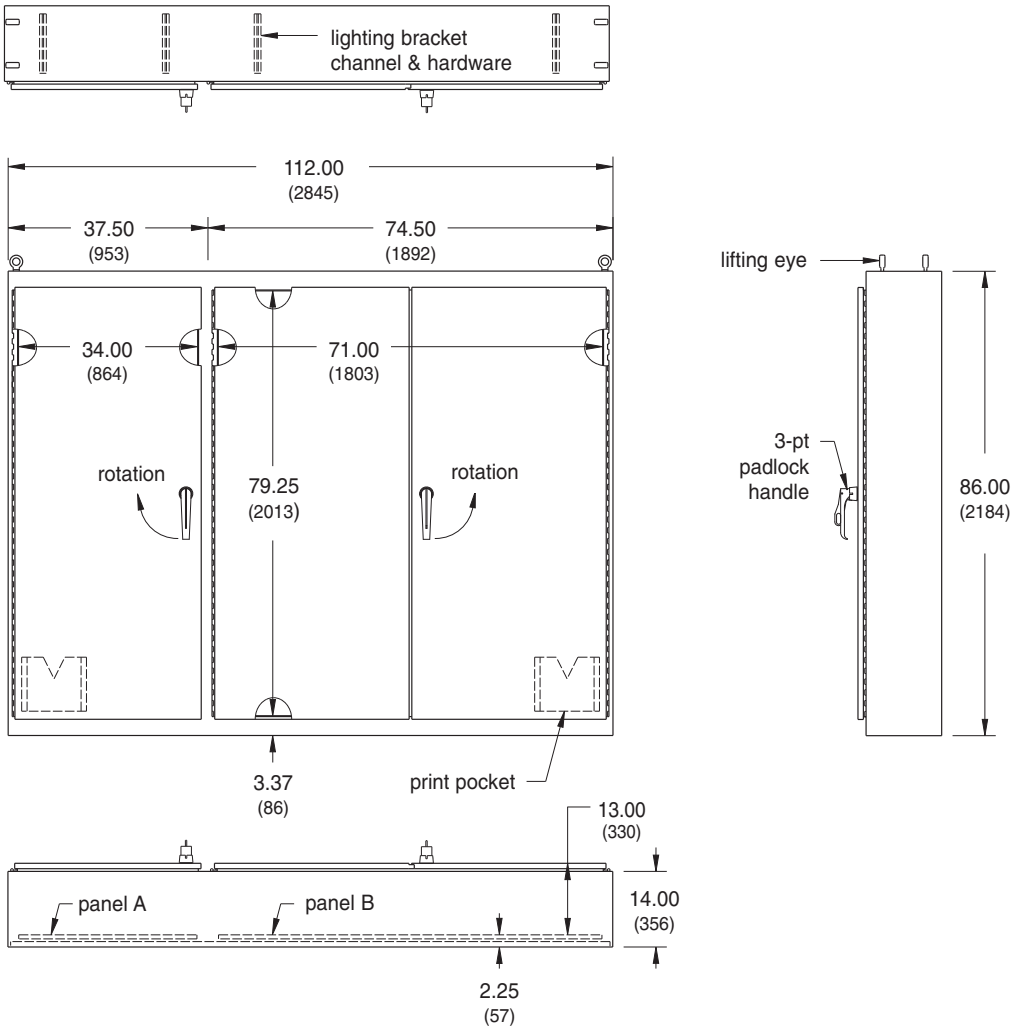
Construction
- Enclosure and door are fabricated from (10) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge and a 3-pt padlockable handle mechanism
- Double-door sections close right over left with no center post for complete access
- Right side door provides a mechanical interlock and serves as a master door
- Slave doors cannot open without activating mechanical interlock but can close in any order
- Doors have a fixed, oil-resistant gasket
- Ground stud provided on door
- Print pockets provided
- Heavy steel stiffeners welded across the back provide enclosure rigidity
- Lighting mounting channel provided
- Removable panels mounted on .375-16 collar studs and panel supports are furnished behind each door
- Large lifting eyebolts are supplied
- Three styles of enclosure construction:
  1. Three-door: single and double-door section
  2. Four-door: (2) double door sections
  3. Five-door: single and (2) double-door sections
- Panels have a white enamel finish

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Free-Standing Three-Door Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth in.	Enclosure Size Height x Width x Depth mm	Panel A Size Height x Width in.	Panel A Size Height x Width mm	Panel B Size Height x Width in.	Panel B Size Height x Width mm
8611214-12FS	86.00x112.00x14.00	2184x2845x356	78.00x33.00	1981x838	78.00x70.00	1981x1778

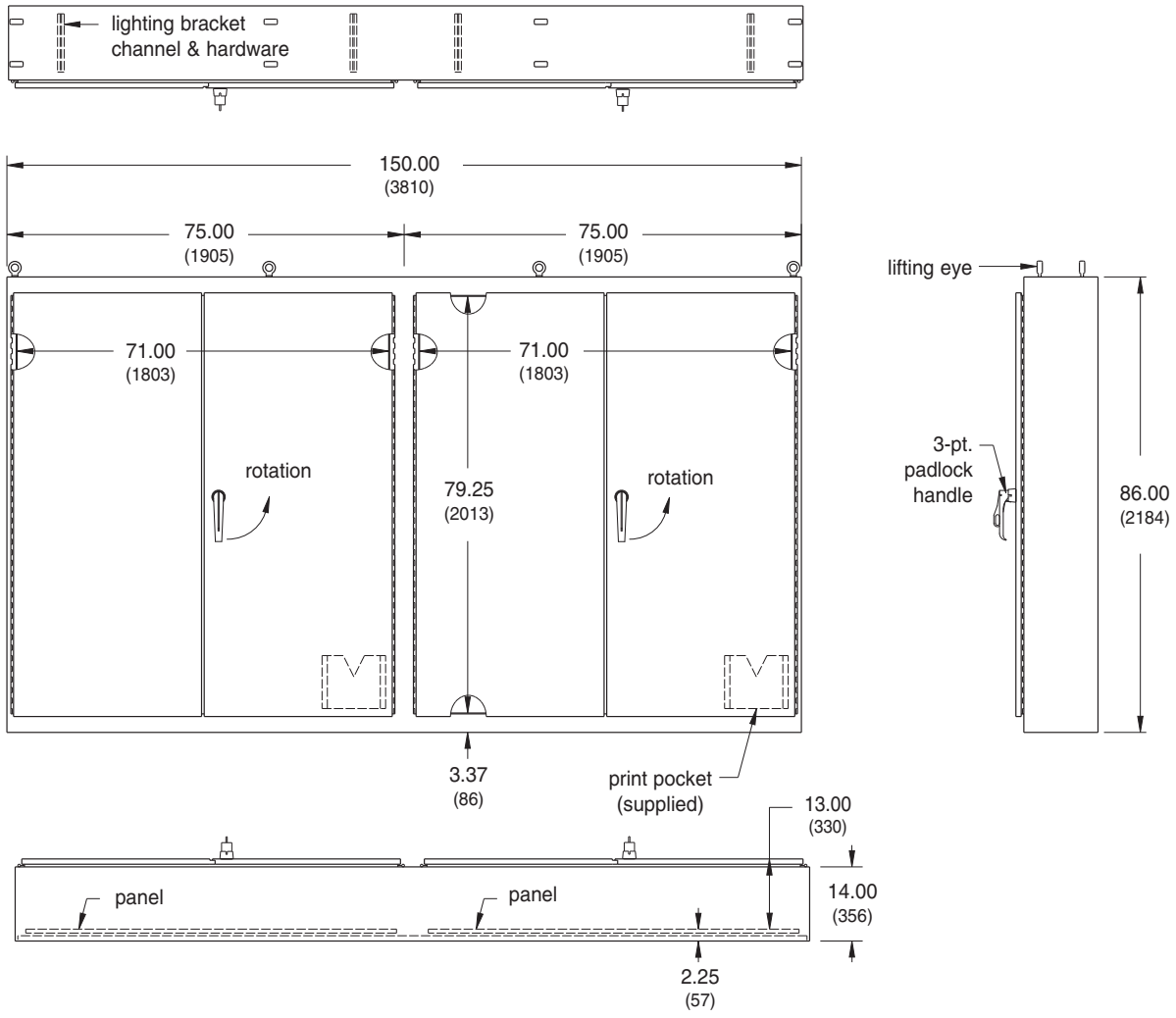


Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Four-Door Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth in.	mm	Panel Size Height x Width in.	mm
8615014-12FS	86.00x150.00x14.00	2184x3810x356	78.00x70.00	1981x1778

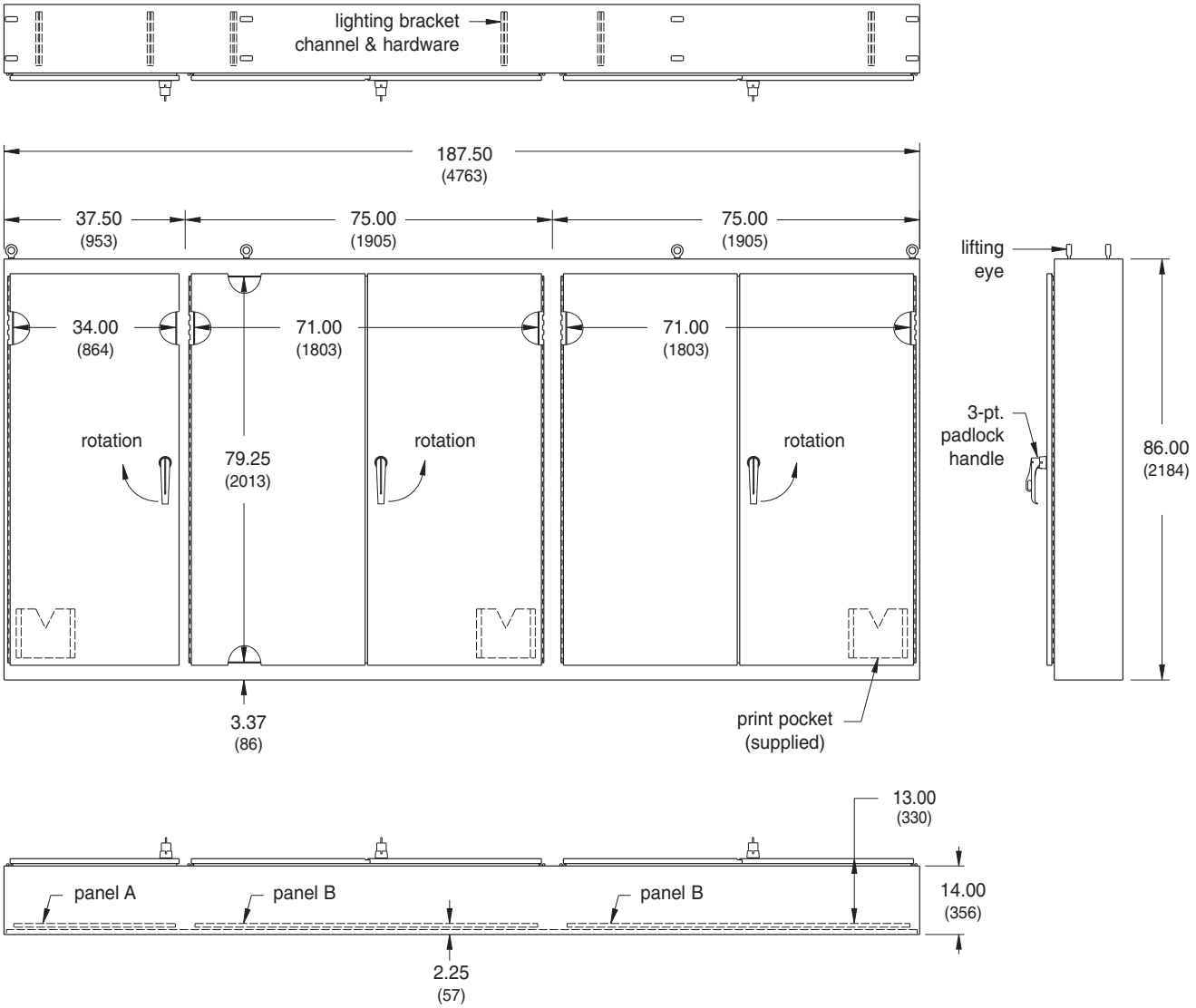


Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Five-Door Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth in.	mm	Panel A Size Height x Width in.	mm	Panel B Size Height x Width in.	mm
8618714-12FS	86.00x187.50x14.00	2184x4763x356	78.00x33.00	1981x838	78.00x70.00	1981x1778



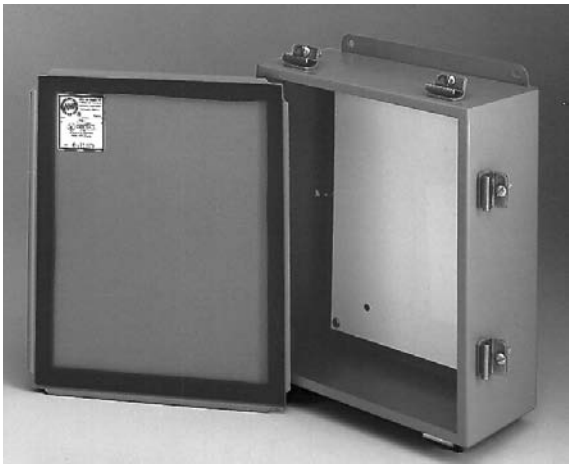
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

TYPE 4 ENCLOSURES

JIC Lift-Off Cover Enclosures 150
JIC Continuous Hinge Cover Enclosures 152
Single-Door Enclosures 154
Double-Door Floor-Standing Enclosures 157
Free-Standing Enclosures 159
Free-Standing Accessories 161

Type 4 JIC Lift-Off Cover Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 4, Type 13 and Type 12
- Conforms to NEMA standard for Type 4, Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP66

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with easy-to-operate stainless steel screw clamps mounted on all four sides
- Cover has a fixed, oil and water-resistant gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel on 6H x 4W and larger enclosures
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

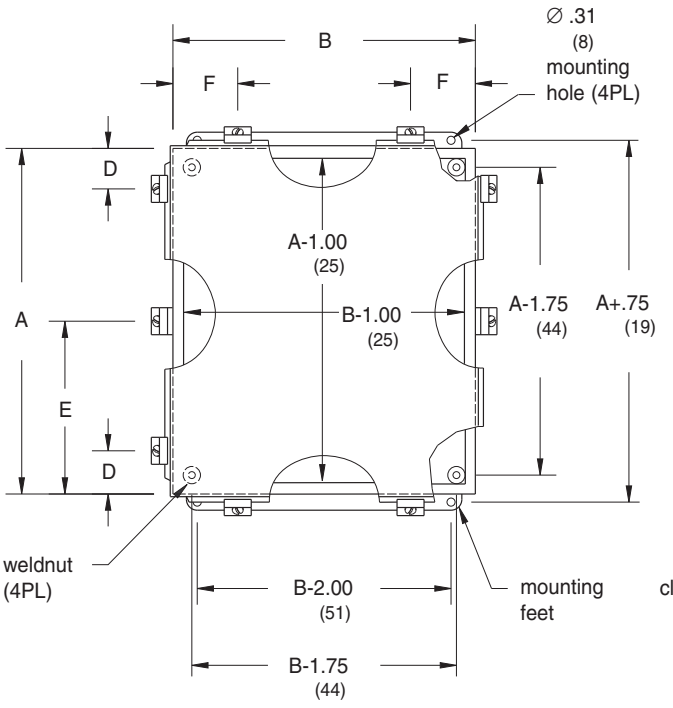
- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- Touch-up paint
- See Accessories section

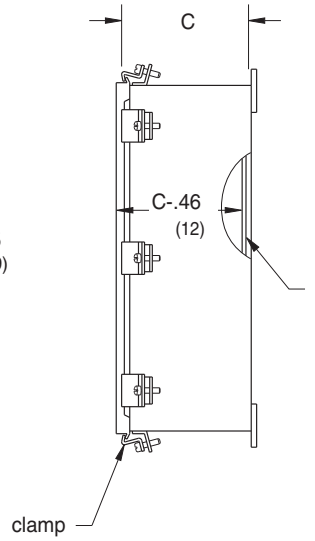
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4 JIC Lift-Off Cover Enclosures

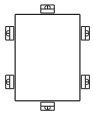
Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	D in.	D mm	E in.	E mm	F in.	F mm	Panel Catalog Number	Panel Size Height x Width in.	mm
443-4LC	4.00x4.00x3.00	102x102x76	2.00	51	-	-	2.00	51	**-**	-	-
643-4LC	6.00x4.00x3.00	152x102x76	3.00	76	-	-	2.00	51	**AW64P**	4.87x2.87	124x73
863.5-4LC	8.00x6.00x3.50	203x152x89	4.00	102	-	-	3.00	76	**AW86P**	6.87x4.87	174x124
664-4LC	6.00x6.00x4.00	152x152x102	3.00	76	-	-	3.00	76	**AW66P**	4.87x4.87	124x124
1084-4LC	10.00x8.00x4.00	254x203x102	2.00	51	-	-	4.00	102	**AW108P**	8.87x6.87	225x174
12105-4LC	12.00x10.00x5.00	305x254x127	3.00	76	-	-	2.00	51	**AW1210P**	10.87x8.87	276x225
14126-4LC	14.00x12.00x6.00	356x305x152	3.00	76	-	-	3.00	76	**AW1412P**	12.87x10.87	327x276
16146-4LC	16.00x14.00x6.00	406x356x152	2.00	51	8.00	203	3.00	76	**AW1614P**	14.87x12.87	378x327

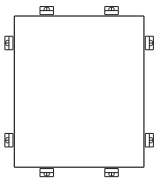




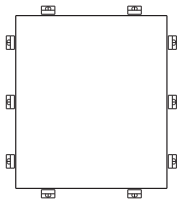
443-4LC
643-4LC
863.5-4LC
664-4LC



1084-4LC



12105-4LC
14126-4LC



16146-4LC

Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 JIC Continuous Hinge Cover Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 4, Type 13 and Type 12
- Conforms to NEMA standard for Type 4, Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP66

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with a continuous hinge on one side and easy-to-operate stainless steel screw clamps mounted to the opposite side
- Stainless steel hinge pin
- Cover has a fixed, oil and water-resistant gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel on 6H x 4W and larger enclosures
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

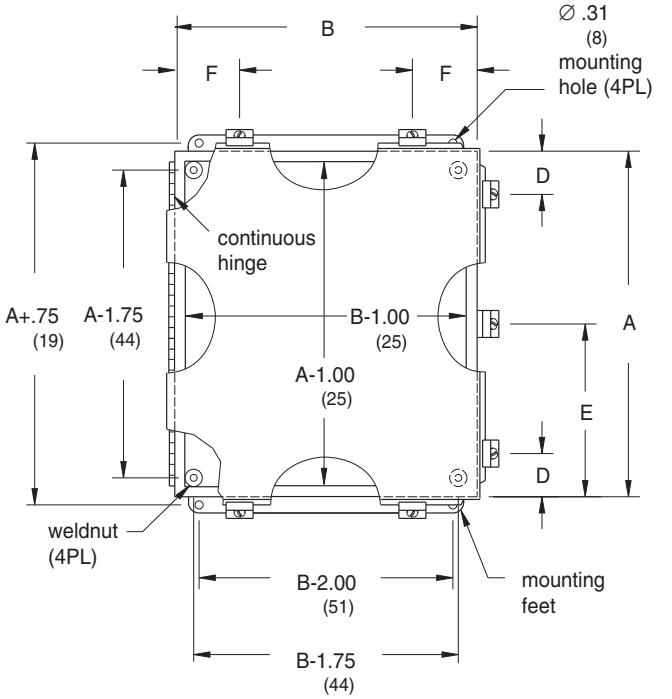
- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- Touch-up paint
- See Accessories section

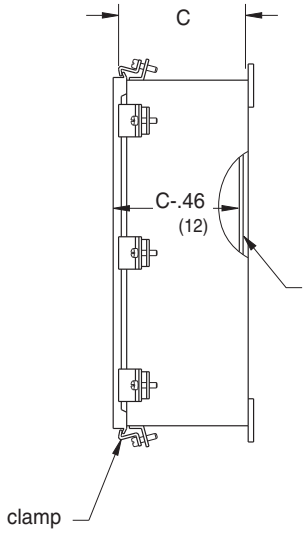
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

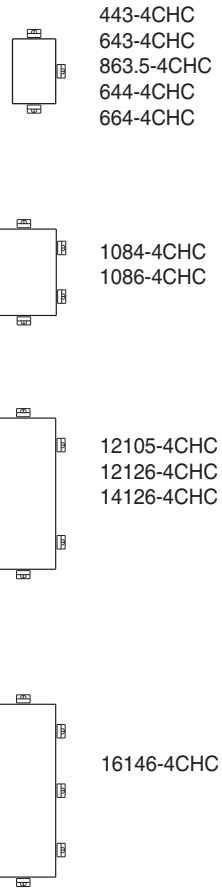
Type 4 JIC Continuous Hinge Cover Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	D in.	D mm	E in.	E mm	F in.	F mm	Panel Catalog Number	Panel Size Height x Width in.	mm
443-4CHC	4.00x4.00x3.00	102x102x76	2.00	51	-	-	2.00	51	-	-	-
643-4CHC	6.00x4.00x3.00	152x102x76	3.00	76	-	-	2.00	51	**AW64P**	4.87x2.87	124x73
863.5-4CHC	8.00x6.00x3.50	203x152x89	4.00	102	-	-	3.00	76	**AW86P**	6.87x4.87	174x124
644-4CHC	6.00x4.00x4.00	152x102x102	3.00	76	-	-	2.00	51	**AW64P**	4.87x2.87	124x73
664-4CHC	6.00x6.00x4.00	152x152x102	3.00	76	-	-	3.00	76	**AW66P**	4.87x4.87	124x124
1084-4CHC	10.00x8.00x4.00	254x203x102	2.00	51	-	-	4.00	102	**AW108P**	8.87x6.87	225x174
12105-4CHC	12.00x10.00x5.00	305x254x127	3.00	76	-	-	2.00	51	**AW1210P**	10.87x8.87	276x225
1086-4CHC	10.00x8.00x6.00	254x203x152	2.00	51	-	-	4.00	102	**AW108P**	8.87x6.87	225x174
12126-4CHC	12.00x12.00x6.00	305x305x152	3.00	76	-	-	3.00	76	**AW1212P**	10.87x10.87	276x276
14126-4CHC	14.00x12.00x6.00	356x305x152	3.00	76	-	-	3.00	76	**AW1412P**	12.87x10.87	327x276
16146-4CHC	16.00x14.00x6.00	406x356x152	2.00	51	8.00	203	3.00	76	**AW1614P**	14.87x12.87	378x327







443-4CHC
643-4CHC
863.5-4CHC
644-4CHC
664-4CHC

1084-4CHC
1086-4CHC

12105-4CHC
12126-4CHC
14126-4CHC

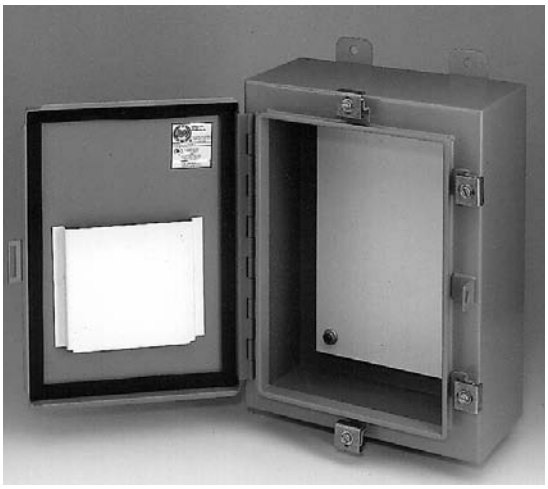
16146-4CHC

Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Single-Door Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 4, Type 13 and Type 12
- Conforms to NEMA standard for Type 4, Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP66

Construction

- Enclosure and door are fabricated from code gauge steel, (see table)
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge on one side and easy-to-release stainless steel door clamps mounted to the other three sides
- Ground stud provided on door
- Formed lip around enclosure opening diverts liquids and contaminants
- Each door has a padlock hasp with sealing hole provision
- Print pocket provided
- Door has a fixed, oil and water-resistant gasket
- .375-16 collar studs are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- NEMA terminal strap kit
- Terminal blocks
- Door lock kit
- Floor stand kit
- Touch-up paint
- See Accessories section

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4 Single-Door Enclosures

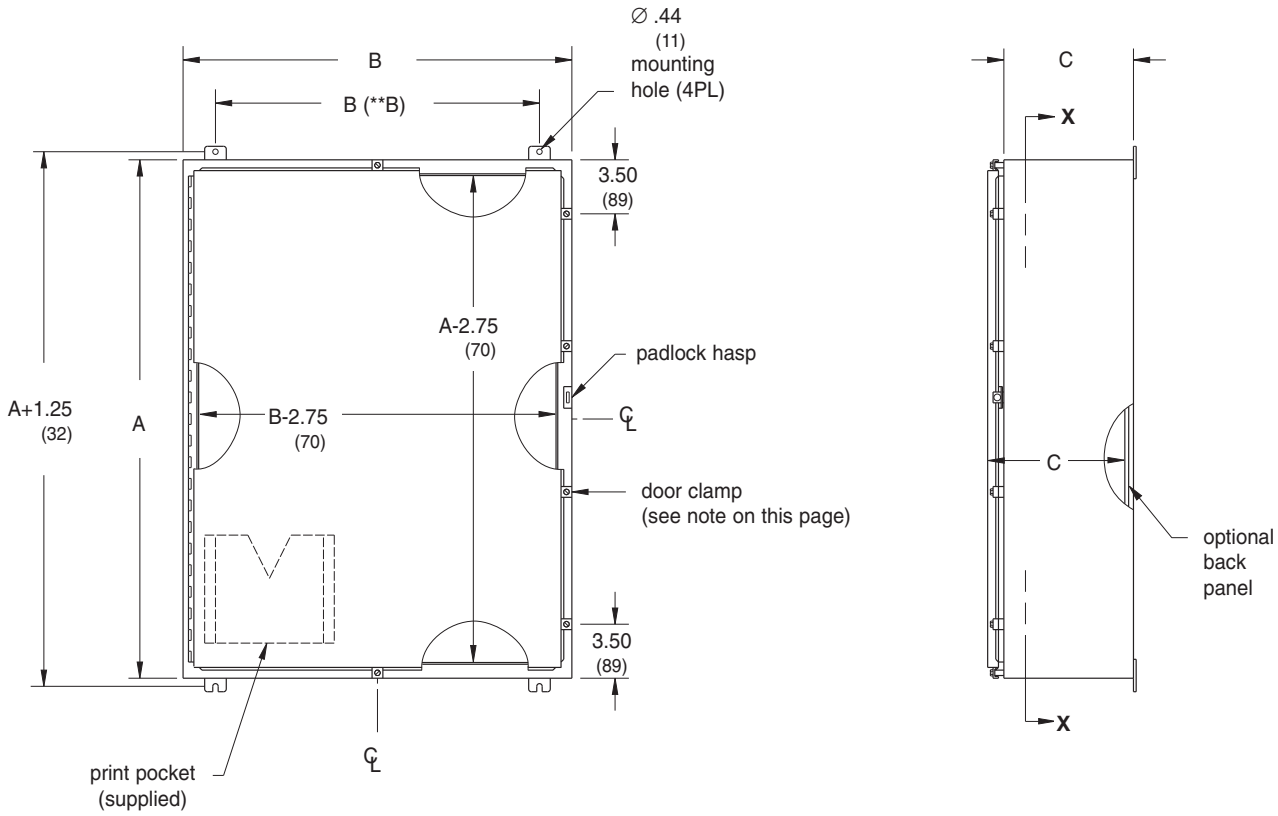
Catalog Number

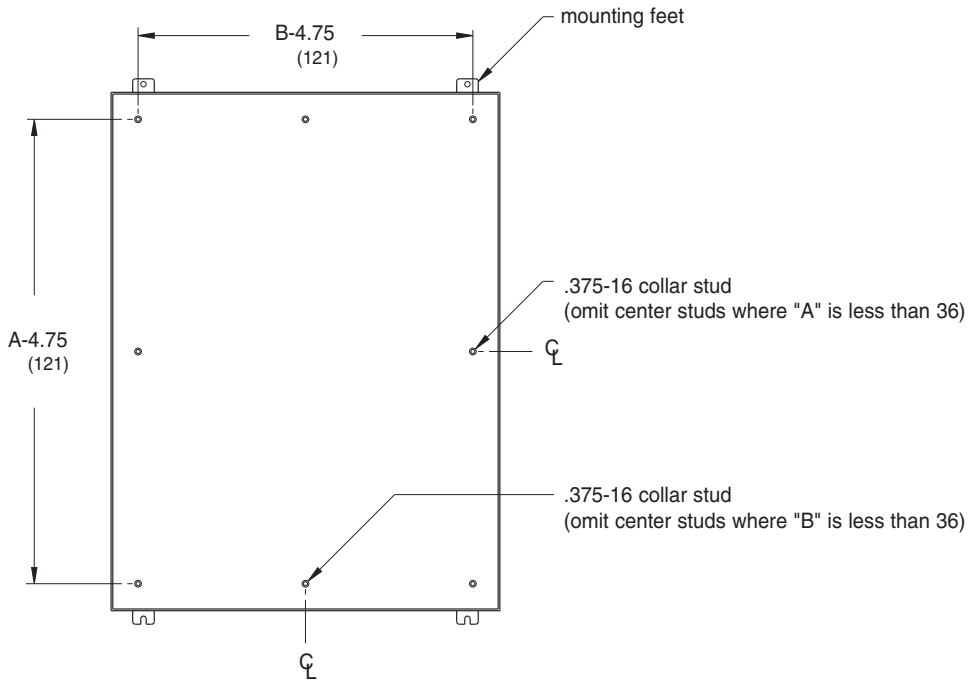
Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Gauge	Panel Catalog Number	Panel Size Height x Width in.	mm
16126-4	16.00x12.00x6.00	406x305x152	16	**AW1612P**	13.00x9.00	330x229
16166-4	16.00x16.00x6.00	406x406x152	16	**AW1616P**	13.00x13.00	330x330
16206-4	16.00x20.00x6.00	406x508x152	16	**AW2016P**	13.00x17.00	330x432
20166-4	20.00x16.00x6.00	508x406x152	16	**AW2016P**	17.00x13.00	432x330
20206-4	20.00x20.00x6.00	508x508x152	16	**AW2020P**	17.00x17.00	432x432
24126-4	24.00x12.00x6.00	610x305x152	16	**AW2412P**	21.00x9.00	533x229
24166-4	24.00x16.00x6.00	610x406x152	16	**AW2416P**	21.00x13.00	533x330
24206-4	24.00x20.00x6.00	610x508x152	16	**AW2420P**	20.87x16.87	530x428
24246-4	24.00x24.00x6.00	610x610x152	14	**AW2424P**	20.87x20.87	530x530
30206-4	30.00x20.00x6.00	762x508x152	14	**AW3020P**	26.87x16.87	682x428
30246-4	30.00x24.00x6.00	762x610x152	14	**AW3024P**	26.87x20.87	682x530
36246-4	36.00x24.00x6.00	914x610x152	14	**AW3624P**	32.87x20.87	835x530
16128-4	16.00x12.00x8.00	406x305x203	16	**AW1612P**	13.00x9.00	330x229
20168-4	20.00x16.00x8.00	508x406x203	16	**AW2016P**	17.00x13.00	432x330
20208-4	20.00x20.00x8.00	508x508x203	16	**AW2020P**	17.00x17.00	432x432
20248-4	20.00x24.00x8.00	508x610x203	16	**AW2024P**	16.87x20.87	428x530
24208-4	24.00x20.00x8.00	610x508x203	16	**AW2420P**	20.87x16.87	530x428
24248-4	24.00x24.00x8.00	610x610x203	14	**AW2424P**	20.87x20.87	530x530
24308-4	24.00x30.00x8.00	610x762x203	14	**AW3024P**	20.87x26.87	530x682
30208-4	30.00x20.00x8.00	762x508x203	14	**AW3020P**	26.87x16.87	682x428
30248-4	30.00x24.00x8.00	762x610x203	14	**AW3024P**	26.87x20.87	682x530
30308-4	30.00x30.00x8.00	762x762x203	14	**AW3030P**	26.87x26.87	682x682
36248-4	36.00x24.00x8.00	914x610x203	14	**AW3624P**	32.87x20.87	835x530
36308-4	36.00x30.00x8.00	914x762x203	14	**AW3630P**	32.87x26.87	835x682
42308-4	42.00x30.00x8.00	1067x762x203	14	**AW4230P**	38.87x26.87	987x682
42368-4	42.00x36.00x8.00	1067x914x203	14	**AW4236P**	38.87x32.87	987x835
48368-4	48.00x36.00x8.00	1219x914x203	14	**AW4836P**	44.87x32.87	1140x835
60368-4	60.00x36.00x8.00	1524x914x203	14	**AW6036P**	56.87x32.87	1444x835
201610-4	20.00x16.00x10.00	508x406x254	16	**AW2016P**	17.00x13.00	432x330
242010-4	24.00x20.00x10.00	610x508x254	16	**AW2420P**	20.87x16.87	530x428
302410-4	30.00x24.00x10.00	762x610x254	14	**AW3024P**	26.87x20.87	682x530
363010-4	36.00x30.00x10.00	914x762x254	14	**AW3630P**	32.87x26.87	835x682
483010-4	48.00x30.00x10.00	1219x762x254	14	**AW4830P**	44.87x26.87	1140x682
483610-4	48.00x36.00x10.00	1219x914x254	14	**AW4836P**	44.87x32.87	1140x835
603610-4	60.00x36.00x10.00	1524x914x254	14	**AW6036P**	56.87x32.87	1444x835
302412-4	30.00x24.00x12.00	762x610x305	14	**AW3024P**	26.87x20.87	682x530
363012-4	36.00x30.00x12.00	914x762x305	14	**AW3630P**	32.87x26.87	835x682
483612-4	48.00x36.00x12.00	1219x914x305	14	**AW4836P**	44.87x32.87	1140x835
363016-4	36.00x30.00x16.00	914x762x406	14	**AW3630P**	32.87x26.87	835x682
483616-4	48.00x36.00x16.00	1219x914x406	14	**AW4836P**	44.87x32.87	1140x835
603616-4	60.00x36.00x16.00	1524x914x406	14	**AW6036P**	56.87x32.87	1444x835

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Single-Door Enclosures

Illustration Sheet



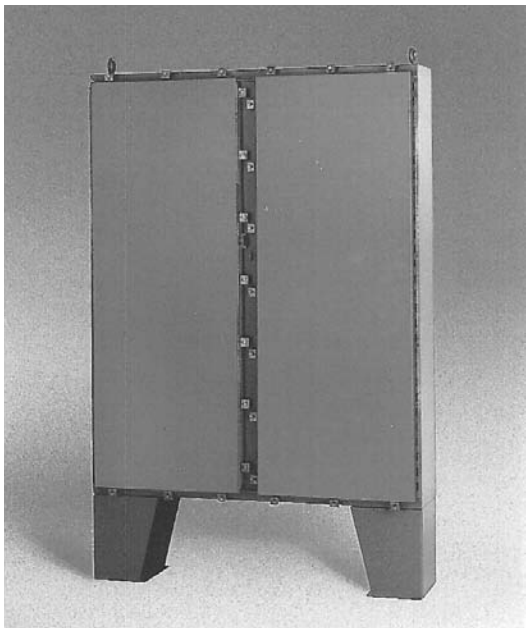


Section X-X

Notes: Dimensions: **B = (-2.50) if 12 inches wide; (-6.00) if wider than 12 inches. Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Double-Door Floor-Standing Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4 and Type 12
- CSA C22.2 No.94 certified, Type 4 and Type 12
- Conforms to NEMA standard for Type 4 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP66

Construction

- Enclosure and door are fabricated from (10) gauge steel
- All continuous welded seams are finished smooth
- Each door is secured to the body with a heavy-duty continuous hinge on one side and easy-to-release stainless steel door clamps mounted to the other three sides
- Print pocket provided
- Each door has a padlock hasp with sealing hole provision
- Doors have a fixed, oil and water-resistant gasket
- Ground stud provided on doors
- Removable center post for complete front access
- Heavy gauge angle supports and .375-16 collar studs are provided for mounting optional panel
- Large lifting eyebolts are supplied
- Mounting legs are provided for floor mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

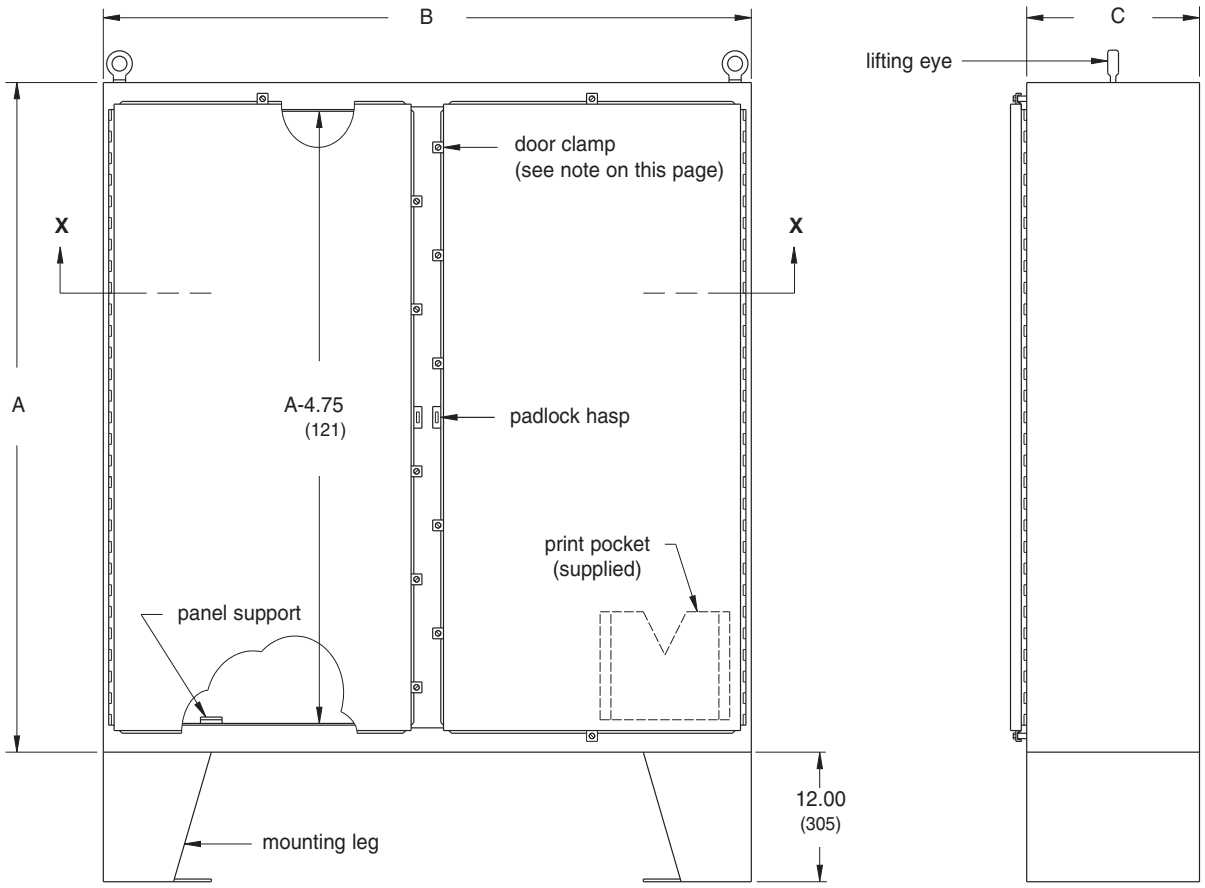
- Panels
- Leg stabilizer kit
- Touch-up paint
- See Accessories section

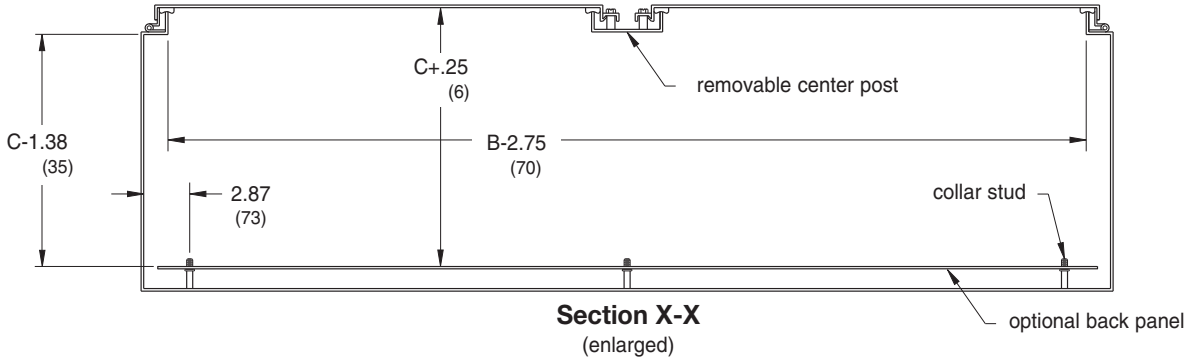
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4 Double-Door Floor-Standing Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Panel Catalog Number	Panel Size Height x Width in.	mm
624810-4FD	62.00x48.00x10.00	1575x1219x254	AW6048P	55.87x43.87	1419x1114
626012-4FD	62.00x60.00x12.00	1575x1524x305	AW6060P	55.87x55.87	1419x1419
746012-4FD	74.00x60.00x12.00	1880x1524x305	AW7260P	67.87x55.87	1724x1419
747212-4FD	74.00x72.00x12.00	1880x1829x305	AW7272P	67.87x67.87	1724x1724
747224-4FD	74.00x72.00x24.00	1880x1829x610	AW7272P	67.87x67.87	1724x1724



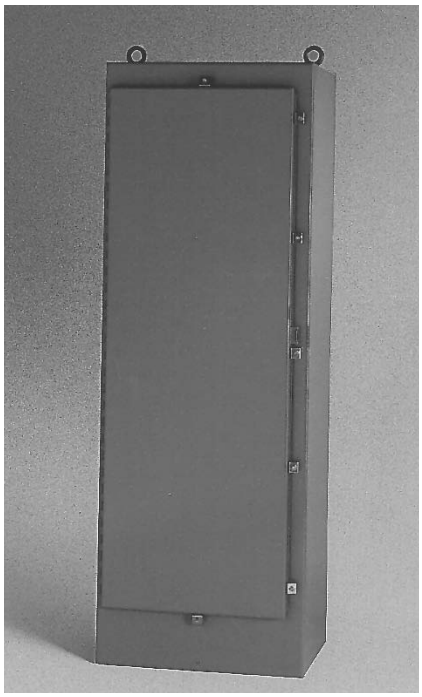


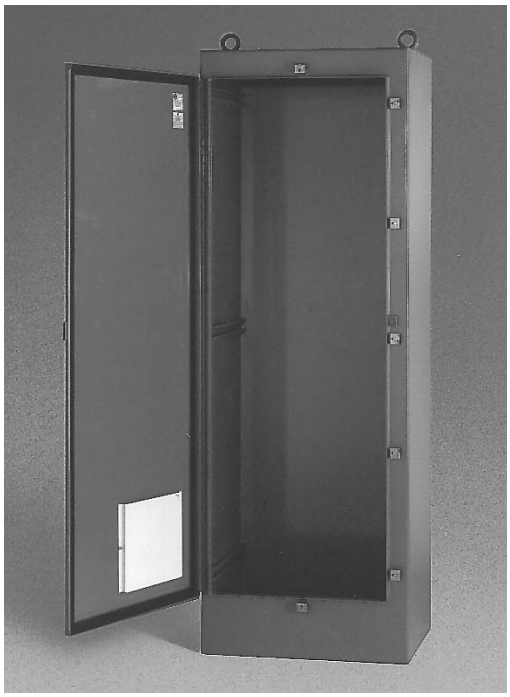
Section X-X
(enlarged)

Notes: Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches. Four lifting eyes are furnished when C dimension is 24" (610 mm).
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Free-Standing Enclosures

Data Sheet





Application

- Houses electrical controls and instruments
- Easy access fixed or swing panels for mounting optional equipment
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4 and Type 12
- CSA C22.2 No.94 certified, Type 4 and Type 12
- Conforms to NEMA standard for Type 4 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP66

Construction

- Enclosure and door are fabricated from (12) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge on one side and easy-to-release stain less steel door clamps mounted to the other three sides
- Door has a fixed oil and water-resistant gasket
- Ground stud provided on door
- Each door has a padlock hasp with sealing hole provision
- Print pocket provided
- Large lifting eyebolts are supplied
- Mounting channels are welded inside for locating panels along enclosure depth
- **A variety of optional panels and accessories are available (see accessories pages 161-162)**

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

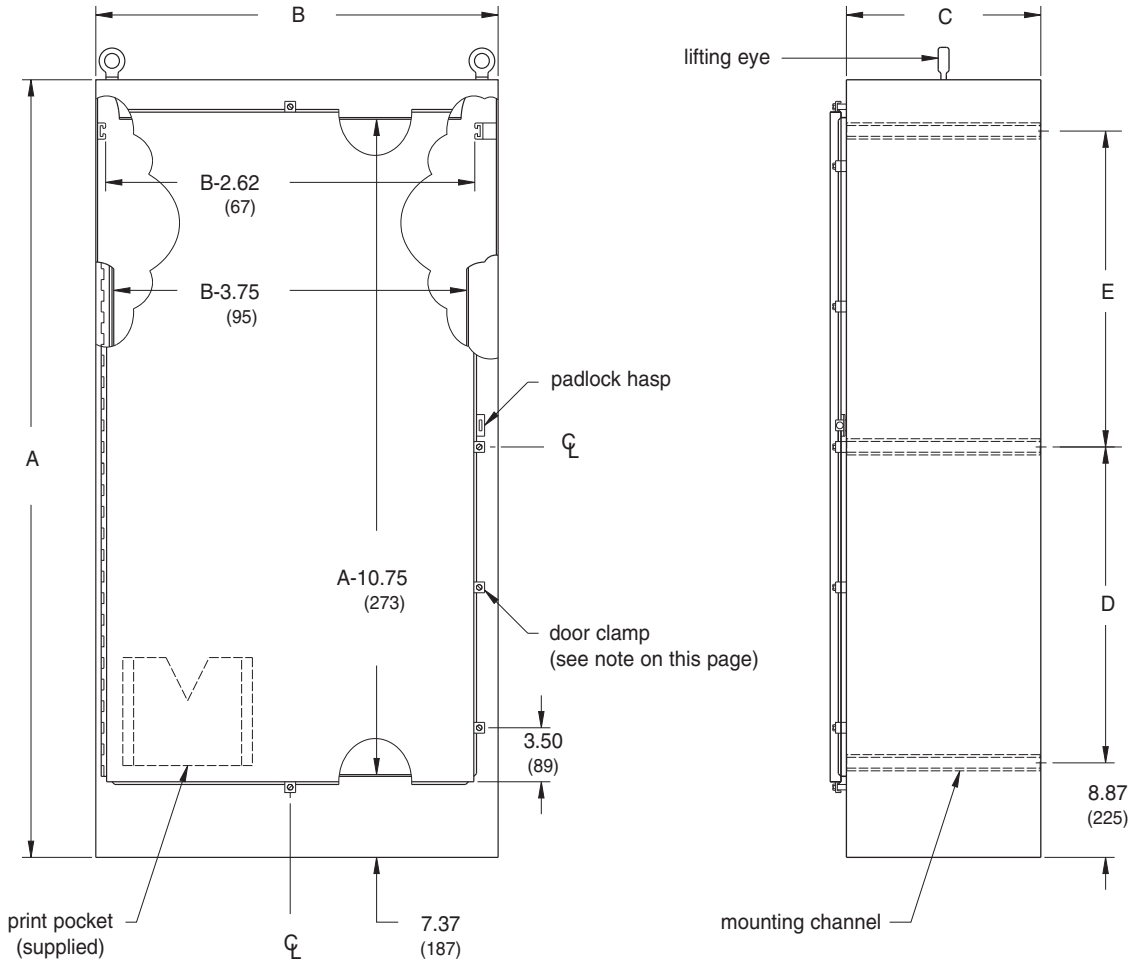
- Full and half panels
- Side panels
- Swing panels
- Channel mounting hardware
- Touch-up paint
- See Accessories section

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4 Free-Standing Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	D in.	D mm	E in.	E mm
722518-4FS	72.00x25.00x18.00	1829x635x457	29.12	740	29.12	740
723118-4FS	72.00x31.00x18.00	1829x787x457	29.12	740	29.12	740
723718-4FS	72.00x37.00x18.00	1829x940x457	29.12	740	29.12	740
722524-4FS	72.00x25.00x24.00	1829x635x610	29.12	740	29.12	740
723124-4FS	72.00x31.00x24.00	1829x787x610	29.12	740	29.12	740
723724-4FS	72.00x37.00x24.00	1829x940x610	29.12	740	29.12	740



Notes: Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches.
Dimensions are in inches.Millimeters shown are for reference only. Data subject to change without notice.

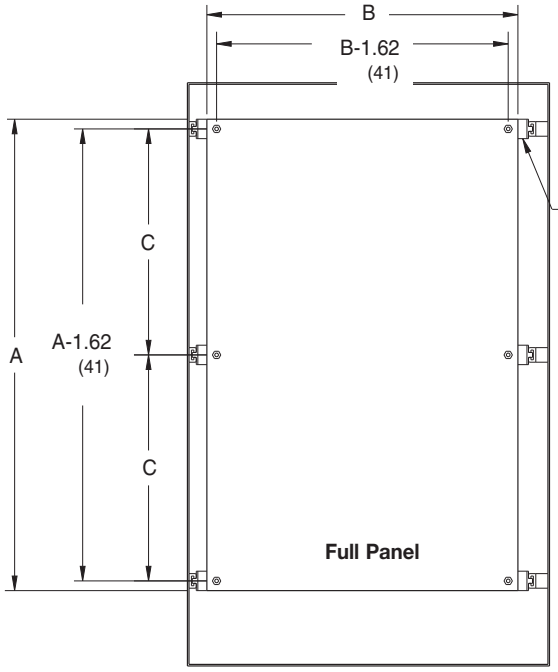
Type 4 Free-Standing Enclosures

Full and Half Panel Accessories

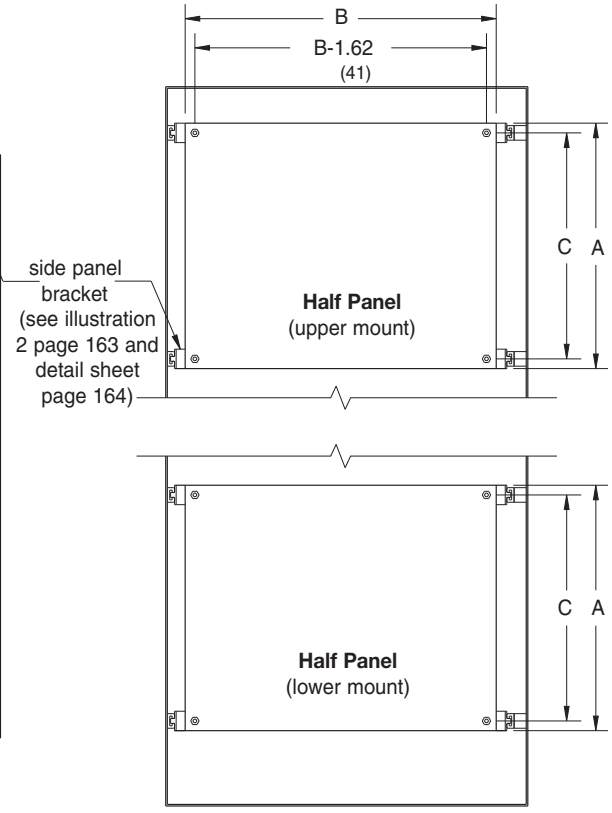
Catalog Number

Full Panel						
Panel	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
Catalog Number	in.	mm	in	mm	in.	mm
AF7224P	59.87x19.87	1521x505	29.12	740	72.00x25.00	1829x635
AF7230P	59.87x25.87	1521x657	29.12	740	72.00x31.00	1829x787
AF7236P	59.87x31.87	1521x809	29.12	740	72.00x37.00	1829x940

Half Panel						
Panel	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
Catalog Number	in.	mm	in	mm	in.	mm
AF7224HP	30.75x19.87	781x505	29.12	740	72.00x25.00	1829x635
AF7230HP	30.75x25.87	781x657	29.12	740	72.00x31.00	1829x767
AF7236HP	30.75x31.87	781x809	29.12	740	72.00x37.00	1829x940



Full Panel Mounting



Half Panel Mounting

Note: Full Panel and Half Panel for Free-Standing Enclosures are (12) gauge steel with a white polyester powder finish and furnished with Panel Brackets and all hardware necessary for channel and panel mounting. Half Panels can be mounted in either the upper or lower portion of the enclosure. Free-Standing design permits the panel to adjust along the depth of the enclosure.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

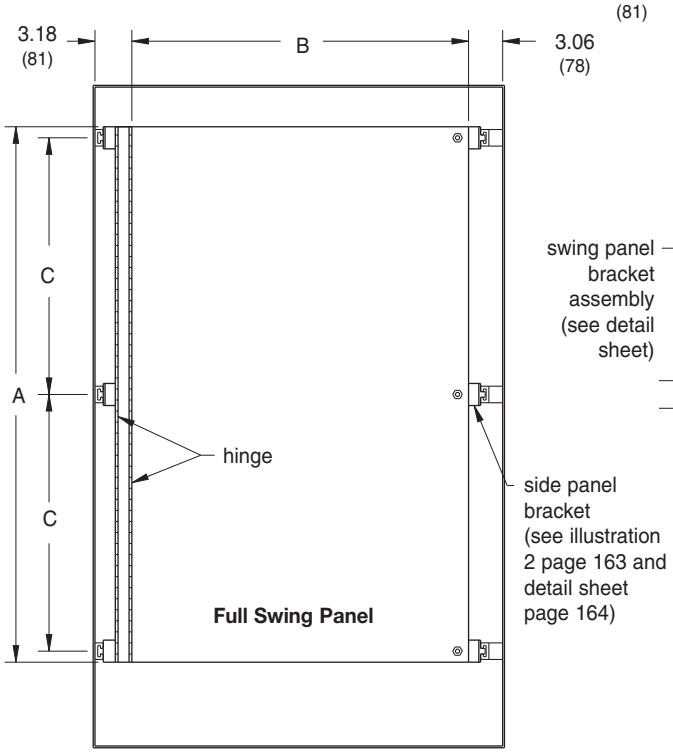
Type 4 Free-Standing Enclosures

Full and Half Swing Panel Accessories

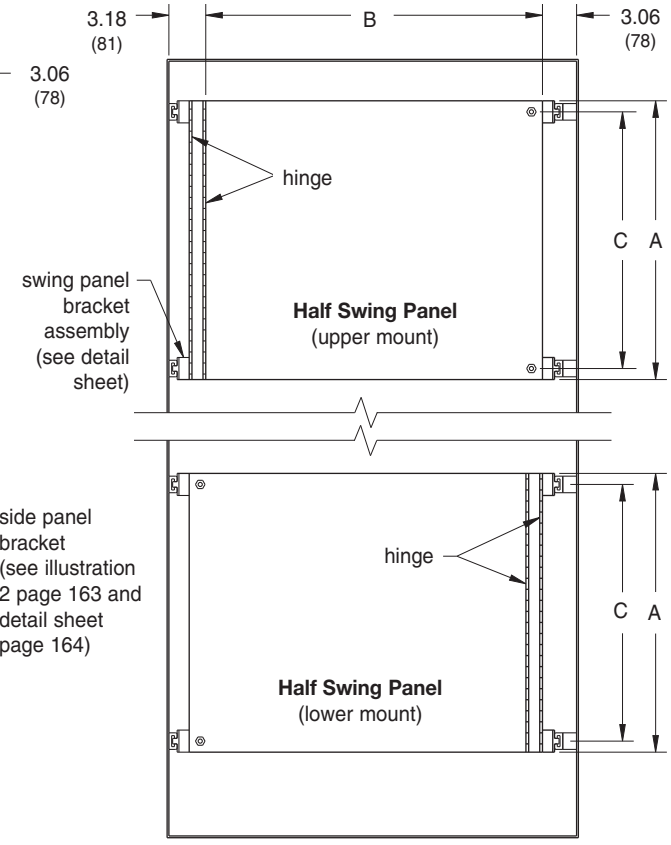
Catalog Number

Full Swing Panel						
Panel Catalog Number	Panel Size Height x Width A x B in.	mm	C in	mm	Fits Enclosure Height x Width in.	mm
AF7224SWP	59.87x18.75	1521x476	29.12	740	72.00x25.00	1829x635
AF7230SWP	59.87x24.75	1521x629	29.12	740	72.00x31.00	1829x787
AF7236SWP	59.87x30.75	1521x781	29.12	740	72.00x37.00	1829x940

Half Swing Panel						
Panel Catalog Number	Panel Size Height x Width A x B in.	mm	C in	mm	Fits Enclosure Height x Width in.	mm
AF7224HSWP	30.75x18.75	781x476	29.12	740	72.00x25.00	1829x635
AF7230HSWP	30.75x24.75	781x629	29.12	740	72.00x31.00	1829x787
AF7236HSWP	30.75x30.75	781x781	29.12	740	72.00x37.00	1829x940



Full Swing Panel Mounting



Half Swing Panel Mounting

Note: Full Swing Panel and Half Swing Panel for Free-Standing Enclosures are (12) gauge steel with a white polyester powder finish, have a dual hinge swing panel bracket, and furnished with Panel Brackets and all hardware necessary for channel and panel mounting. Panels can be installed so they hinge either on the left or the right side. Half Panels can be mounted in either the upper or lower portion of the enclosure. Free-Standing design permits the panel to adjust along the depth of the enclosure. The dual hinge will allow the inner panel to swing completely out of the door opening when within 5.50 inches of the front.

Notes: Dimensions are in inches.Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Free-Standing Enclosures

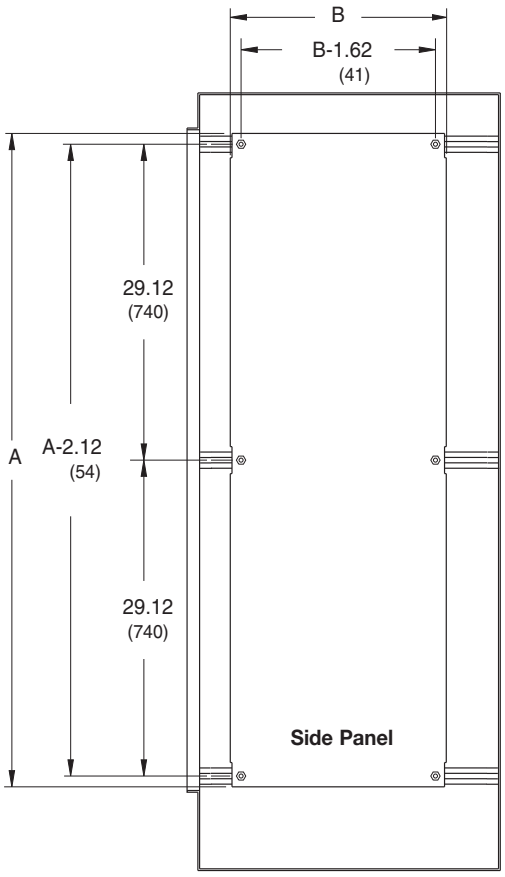
Side Panel and Miscellaneous Accessories

Catalog Number

Side Panel				
Panel Catalog Number	Panel Size Height x Width A x B in.	mm	Fits Enclosure Height x Width in.	mm
AF7218SP*	60.37x13.87	1533x352	72.00x18.00	1829x457

* Back panel may restrict the movement of the side panel.

Miscellaneous Accessories			
Catalog Number	Description	Illustration	Quantity
AFCMH3	Channel mounting hardware	1	3
AFSBRKT1	Panel mounting side bracket	2	1



Side Panel Mounting

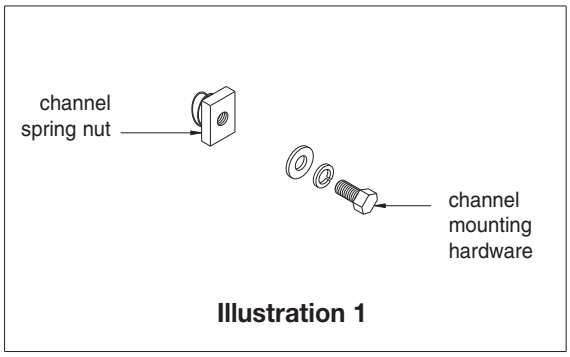


Illustration 1

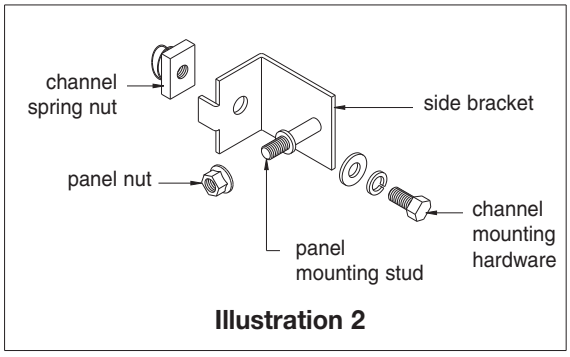


Illustration 2

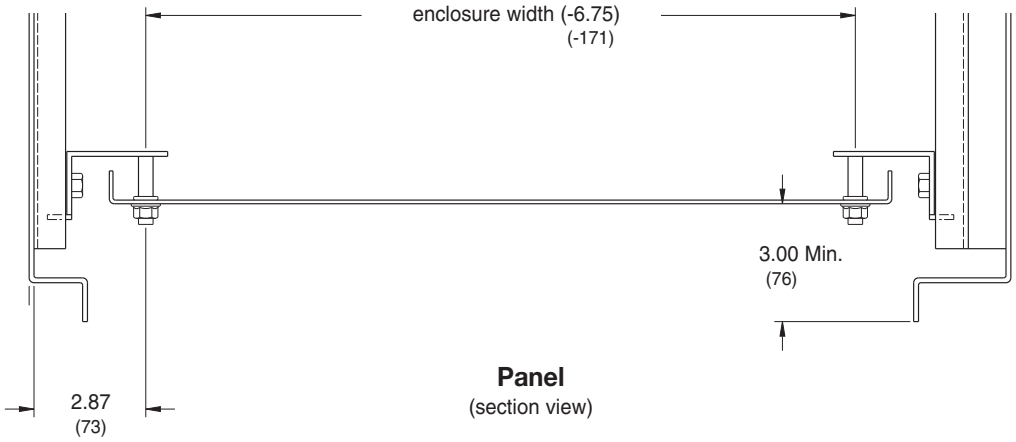
Note: Side Panels are (12) gauge steel with a white polyester powder finish and furnished with hardware necessary for channel mounting. They will fit any width enclosure and are adjustable along its depth. However, when Full or Half Panels are installed, movement will be restricted.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

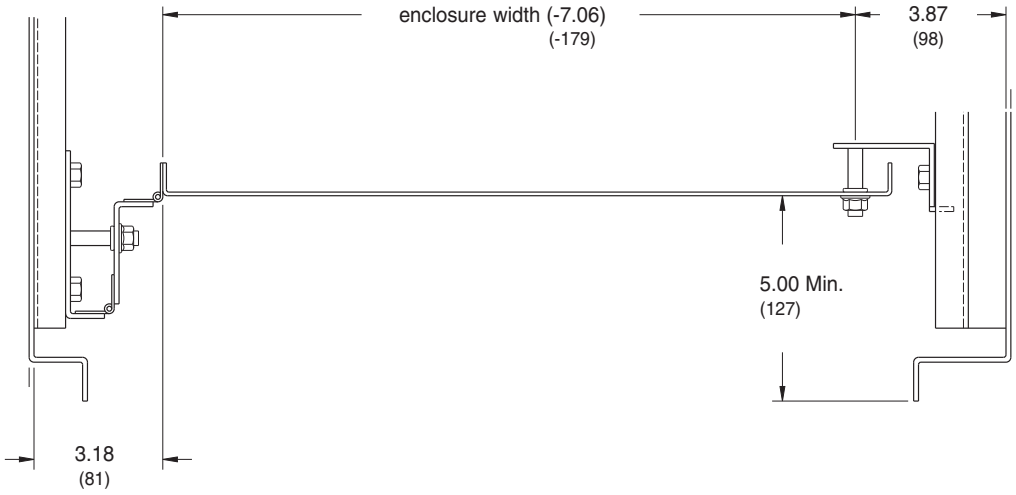
Type 4 Free-Standing Enclosures

Panel and Enclosure Detail

Detail Sheet

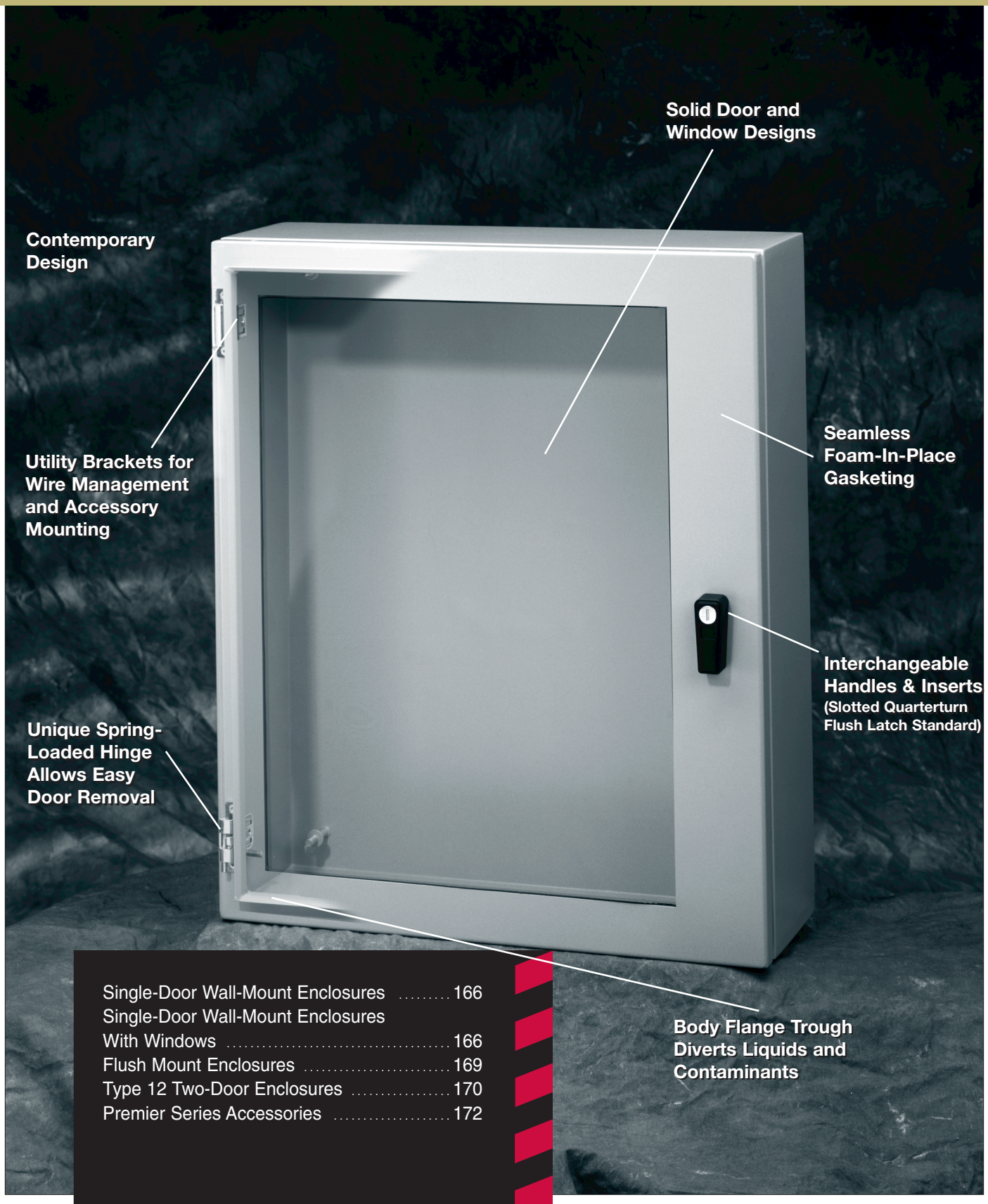


Panel
(section view)



Swing Panel
(section view)

Notes: Dimensions are in inches.Millimeters shown are for reference only. Data subject to change without notice.



TYPE 4/12 PREMIER SERIES

Single-Door Wall-Mount Enclosures 166
Single-Door Wall-Mount Enclosures With Windows 166
Flush Mount Enclosures 169
Type 12 Two-Door Enclosures 170
Premier Series Accessories 172

Premier Series
Type 4 & 12 Single-Door Wall-Mount Enclosures
Data Sheet

Application
- Houses electrical controls and instruments in a contemporary streamlined design
- Premier series enclosures offer increased flexibility and improved features suitable for any high-tech or standard installation
- Intended for indoor or outdoor use
- Protects against circulating and windblown dust, falling dirt, dripping noncorrosive liquids, rain, splashing water and hose directed water

Standards
- UL 508 Listed, Type 4 and Type 12
- cUL Listed, Type 4 and Type 12
- Conforms to NEMA standard for Type 4 and Type 12
- IEC 60529, IP66

Construction
- Enclosure and door are fabricated from code gauge steel (see table)
- All continuous welded seams are finished smooth
- Hardware kit provided contains grounding hardware, .312-18 flanged hex nuts for panel mounting and sealing washers for body mounting holes

Body Construction
- Body flange trough design, formed around body opening, diverts liquid contaminants away from door opening
- Reduced width flange design increases enclosure opening
- Ground stud provided in enclosure body
- .312-18 collar studs are provided for mounting optional Premier panels
- Enclosure mounting holes in body provided for direct mounting or optional mounting feet
- Utility bracket provides wire management and accessory mounting

Door Construction
- Doors are secured to the body with a unique spring-loaded hidden hinge design on one side and slotted quarterturn flush latch(es) on the opposite side
- Doors are easily removed and interchangeable
- Door has a fixed, oil and water-resistant, seamless foam in-place gasket
- Door opens 170° for easy access
- Utility rail provides grounding, rigidity and wire management
- Door stiffeners are provided on larger enclosures for added rigidity
- Window-door enclosures feature flush-mounted clear polycarbonate window

Finish
- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories
- Premier panels
- NEMA panel adapters
- Depth adjustment brackets
- Print pockets
- Padlockable or keyed handles
- Security latch inserts
- Mounting foot kits
- EIA/TIA rack mounting angles
- Swing-out panels
- **See Accessories section, pages 172-176**

Enclosure Catalog Number		Enclosure Size			Panel	Panel Size		Mounting		Window Size				
Solid Door	Window Door	A x B x C in.	A x B x C mm	Door/Body Gauge	Catalog Number	H x W in.	H x W mm	D x E in.	D x E mm	F x G in.	F x G mm	Latch Qty.	J in.	J mm
1084-SD	-	10x8x4	254x203x102	16/16	**108P**	8.00x6.00	203x152	8.50x6.37	216x162	-	-	1	5.00	127
1086-SD	-	10x8x6	254x203x152	16/16	**108P**	8.00x6.00	203x152	8.50x6.37	216x162	-	-	1	5.00	127
12106-SD	-	12x10x6	305x254x152	16/16	**1210P**	10.00x8.00	254x203	10.50x8.37	267x213	-	-	1	6.00	152
12126-SD	**12126-SDW**	12x12x6	305x305x152	16/16	**1212P**	10.00x10.00	254x254	10.50x10.37	267x264	8.25x7.00	210x178	1	6.00	152
16126-SD	**16126-SDW**	16x12x6	406x305x152	16/16	**1612P**	14.00x10.00	356x254	14.50x10.37	368x264	12.25x7.00	311x178	1	8.00	203
16166-SD	-	16x16x6	406x406x152	16/16	**1616P**	14.00x14.00	356x356	14.50x14.37	368x365	-	-	1	8.00	203
16206-SD	-	16x20x6	406x508x152	16/16	**2016P**	14.00x18.00	356x457	14.50x18.37	368x467	-	-	1	8.00	203
20166-SD	**20166-SDW**	20x16x6	508x406x152	16/16	**2016P**	18.00x14.00	457x356	18.50x14.37	470x365	16.25x11.00	413x279	1	10.00	254
20206-SD	**20206-SDW**	20x20x6	508x508x152	16/16	**2020P**	18.00x18.00	457x457	18.50x18.37	470x467	16.25x15.00	413x381	1	10.00	254
24166-SD	-	24x16x6	610x406x152	16/16	**2416P**	22.00x14.00	559x356	22.50x14.37	572x365	-	-	1	5.00	127
24206-SD	**24206-SDW**	24x20x6	610x508x152	16/16	**2420P**	22.00x18.00	559x457	22.50x18.37	572x467	20.25x15.00	514x381	1	5.00	127
24246-SD	**24246-SDW**	24x24x6	610x610x152	14/16	**2424P**	22.00x22.00	559x559	22.50x22.37	572x568	20.25x17.62	514x448	2	5.00	127

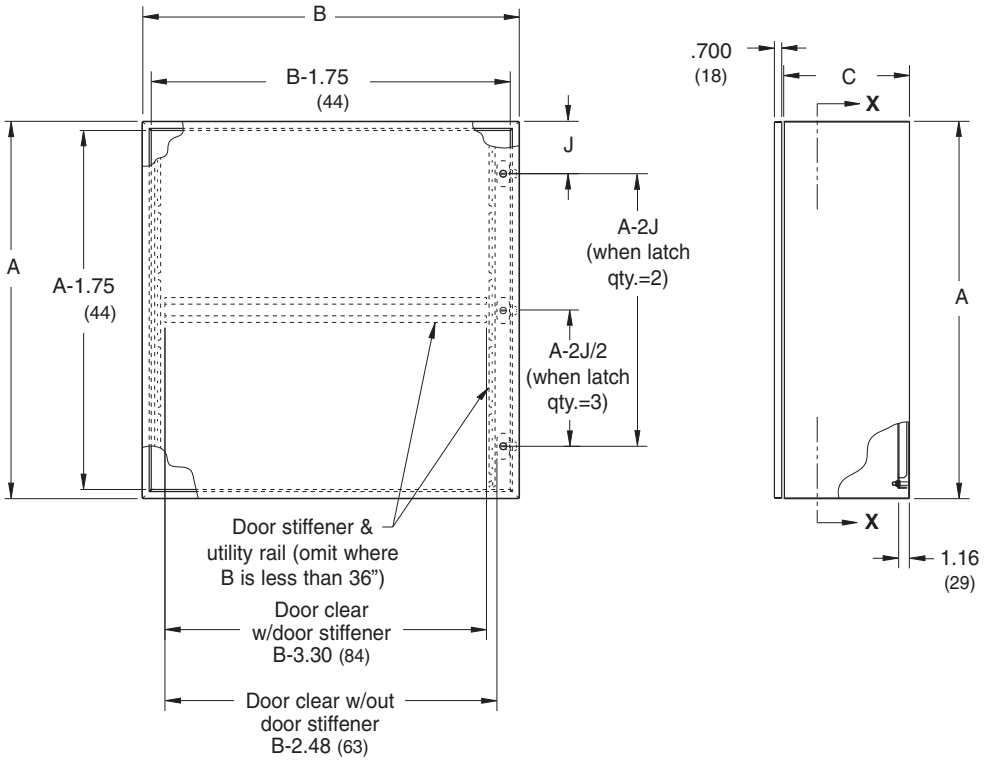
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Premier Series
Type 4 & 12 Single-Door Wall-Mount Enclosures
Catalog Number

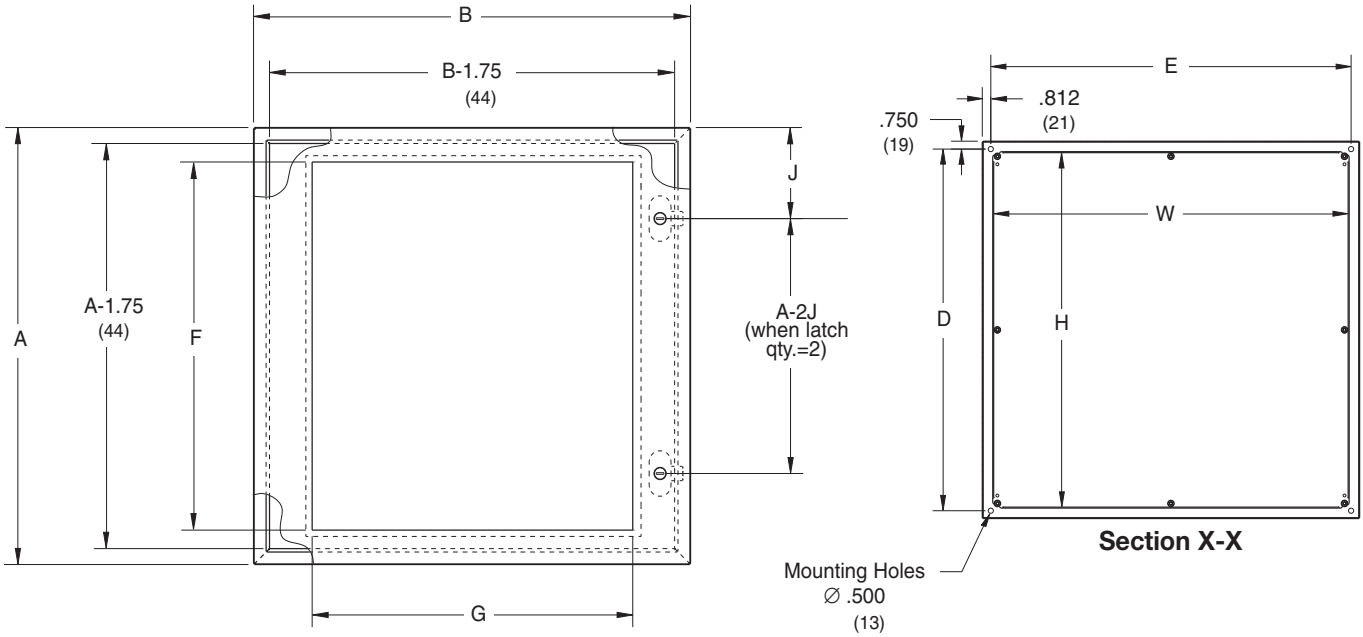
Enclosure Catalog Number		Enclosure Size A x B x C		Door/Body Gauge	Panel Catalog Number	Panel Size H x W		Mounting D x E		Window Size F x G		Latch Qty.	J	
Solid Door	Window Door	in.	mm			in.	mm	in.	mm	in.	mm		in.	mm
16128-SD	16128-SDW	16x12x8	406x305x203	16/16	1612P	14.00x10.00	356x254	14.50x10.37	368x264	12.25x7.00	311x178	1	8.00	203
16168-SD	-	16x16x8	406x406x203	16/16	1616P	14.00x14.00	356x356	14.50x14.37	368x365	-	-	1	8.00	203
16208-SD	-	16x20x8	406x508x203	16/16	2016P	14.00x18.00	356x457	14.50x18.37	368x467	-	-	1	8.00	203
20168-SD	20168-SDW	20x16x8	508x406x203	16/16	2016P	18.00x14.00	457x356	18.50x14.37	470x365	16.25x11.00	413x279	1	10.00	254
20208-SD	20208-SDW	20x20x8	508x508x203	16/16	2020P	18.00x18.00	457x457	18.50x18.37	470x467	16.25x15.00	413x381	1	10.00	254
20248-SD	-	20x24x8	508x610x203	16/16	2420P	18.00x22.00	457x559	18.50x22.37	470x568	-	-	1	10.00	254
24168-SD	-	24x16x8	610x406x203	16/16	2416P	22.00x14.00	559x356	22.50x14.37	572x365	-	-	1	5.00	127
24208-SD	24208-SDW	24x20x8	610x508x203	16/16	2420P	22.00x18.00	559x457	22.50x18.37	572x467	20.25x15.00	514x381	1	5.00	127
24248-SD	24248-SDW	24x24x8	610x610x203	14/16	2424P	22.00x22.00	559x559	22.50x22.37	572x568	20.25x17.62	514x448	2	5.00	127
24308-SD	-	24x30x8	610x762x203	14/16	3024P	22.00x28.00	559x711	22.50x28.37	572x721	-	-	2	5.00	127
30208-SD	-	30x20x8	762x508x203	14/16	3020P	28.00x18.00	711x457	28.50x18.37	724x467	-	-	2	5.00	127
30248-SD	30248-SDW	30x24x8	762x610x203	14/16	3024P	28.00x22.00	711x559	28.50x22.37	724x568	26.25x17.62	667x448	2	5.00	127
30308-SD	-	30x30x8	762x762x203	14/14	3030P	28.00x28.00	711x711	28.50x28.37	724x721	-	-	2	5.00	127
36248-SD	-	36x24x8	914x610x203	14/14	3624P	34.00x22.00	864x559	34.50x22.37	876x568	-	-	2	5.00	127
36308-SD	-	36x30x8	914x762x203	14/14	3630P	34.00x28.00	864x711	34.50x28.37	876x721	-	-	2	5.00	127
36368-SD	-	36x36x8	914x914x203	14/14	3636P	34.00x34.00	864x864	34.50x34.37	876x873	-	-	2	5.00	127
161210-SD	161210-SDW	16x12x10	406x305x254	16/16	1612P	14.00x10.00	356x254	14.50x10.37	368x264	12.25x7.00	311x178	1	8.00	203
161610-SD	-	16x16x10	406x406x254	16/16	1616P	14.00x14.00	356x356	14.50x14.37	368x365	-	-	1	8.00	203
162010-SD	-	16x20x10	406x508x254	16/16	2016P	14.00x18.00	356x457	14.50x18.37	368x467	-	-	1	8.00	203
201610-SD	201610-SDW	20x16x10	508x406x254	16/16	2016P	18.00x14.00	457x356	18.50x14.37	470x365	16.25x11.00	413x279	1	10.00	254
202010-SD	202010-SDW	20x20x10	508x508x254	16/16	2020P	18.00x18.00	457x457	18.50x18.37	470x467	16.25x15.00	413x381	1	10.00	254
202410-SD	-	20x24x10	508x610x254	16/16	2420P	18.00x22.00	457x559	18.50x22.37	470x568	-	-	1	10.00	254
241610-SD	-	24x16x10	610x406x254	16/16	2416P	22.00x14.00	559x356	22.50x14.37	572x365	-	-	1	5.00	127
242010-SD	242010-SDW	24x20x10	610x508x254	16/16	2420P	22.00x18.00	559x457	22.50x18.37	572x467	20.25x15.00	514x381	1	5.00	127
242410-SD	242410-SDW	24x24x10	610x610x254	14/16	2424P	22.00x22.00	559x559	22.50x22.37	572x568	20.25x17.62	514x448	2	5.00	127
243010-SD	-	24x30x10	610x762x254	14/16	3024P	22.00x28.00	559x711	22.50x28.37	572x721	-	-	2	5.00	127
302010-SD	-	30x20x10	762x508x254	14/16	3020P	28.00x18.00	711x457	28.50x18.37	724x467	-	-	2	5.00	127
302410-SD	302410-SDW	30x24x10	762x610x254	14/16	3024P	28.00x22.00	711x559	28.50x22.37	724x568	26.25x17.62	667x448	2	5.00	127
303010-SD	-	30x30x10	762x762x254	14/14	3030P	28.00x28.00	711x711	28.50x28.37	724x721	-	-	2	5.00	127
362410-SD	-	36x24x10	914x610x254	14/14	3624P	34.00x22.00	864x559	34.50x22.37	876x568	-	-	2	5.00	127
363010-SD	-	36x30x10	914x762x254	14/14	3630P	34.00x28.00	864x711	34.50x28.37	876x721	-	-	2	5.00	127
363610-SD	-	36x36x10	914x914x254	14/14	3636P	34.00x34.00	864x864	34.50x34.37	876x873	-	-	2	5.00	127
423610-SD	-	42x36x10	1067x914x254	14/14	4236P	40.00x34.00	1016x864	40.50x34.37	1029x873	-	-	3	5.00	127
482410-SD	-	48x24x10	1219x610x254	14/14	4824P	46.00x22.00	1168x559	46.50x22.37	1181x568	-	-	3	5.00	127
483610-SD	-	48x36x10	1219x914x254	14/14	4836P	46.00x34.00	1168x864	46.50x34.37	1181x873	-	-	3	5.00	127
603610-SD	-	60x36x10	1524x914x254	14/14	6036P	58.00x34.00	1473x864	58.50x34.37	1486x873	-	-	3	5.00	127
202012-SD	202012-SDW	20x20x12	508x508x305	16/16	2020P	18.00x18.00	457x457	18.50x18.37	470x467	16.25x15.00	413x381	1	10.00	254
242012-SD	242012-SDW	24x20x12	610x508x305	16/16	2420P	22.00x18.00	559x457	22.50x18.37	572x467	20.25x15.00	514x381	1	5.00	127
242412-SD	242412-SDW	24x24x12	610x610x305	14/16	2424P	22.00x22.00	559x559	22.50x22.37	572x568	20.25x17.62	514x448	2	5.00	127
302412-SD	302412-SDW	30x24x12	762x610x305	14/16	3024P	28.00x22.00	711x559	28.50x22.37	724x568	26.25x17.62	667x448	2	5.00	127
303012-SD	-	30x30x12	762x762x305	14/14	3030P	28.00x28.00	711x711	28.50x28.37	724x721	-	-	2	5.00	127
362412-SD	-	36x24x12	914x610x305	14/14	3624P	34.00x22.00	864x559	34.50x22.37	876x568	-	-	2	5.00	127
363012-SD	-	36x30x12	914x762x305	14/14	3630P	34.00x28.00	864x711	34.50x28.37	876x721	-	-	2	5.00	127
363612-SD	-	36x36x12	914x914x305	14/14	3636P	34.00x34.00	864x864	34.50x34.37	876x873	-	-	2	5.00	127
423612-SD	-	42x36x12	1067x914x305	14/14	4236P	40.00x34.00	1016x864	40.50x34.37	1029x873	-	-	3	5.00	127
482412-SD	-	48x24x12	1219x610x305	14/14	4824P	46.00x22.00	1168x559	46.50x22.37	1181x568	-	-	3	5.00	127
483612-SD	-	48x36x12	1219x914x305	14/14	4836P	46.00x34.00	1168x864	46.50x34.37	1181x873	-	-	3	5.00	127
603612-SD	-	60x36x12	1524x914x305	14/14	6036P	58.00x34.00	1473x864	58.50x34.37	1486x873	-	-	3	5.00	127
242416-SD	242416-SDW	24x24x16	610x610x406	14/14	2424P	22.00x22.00	559x559	22.50x22.37	572x568	20.25x17.62	514x448	2	5.00	127
363016-SD	-	36x30x16	914x762x406	14/14	3630P	34.00x28.00	864x711	34.50x28.37	876x721	-	-	2	5.00	127
483616-SD	-	48x36x16	1219x914x406	14/14	4836P	46.00x34.00	1168x864	46.50x34.37	1181x873	-	-	3	5.00	127
242420-SD	242420-SDW	24x24x20	610x610x508	14/14	2424P	22.00x22.00	559x559	22.50x22.37	572x568	20.25x17.62	514x448	2	5.00	127
302420-SD	302420-SDW	30x24x20	762x610x508	14/14	3024P	28.00x22.00	711x559	28.50x22.37	724x568	26.25x17.62	667x448	2	5.00	127
363020-SD	-	36x30x20	914x762x508	14/14	3630P	34.00x28.00	864x711	34.50x28.37	876x721	-	-	2	5.00	127

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Premier Series
Type 4 & 12 Single-Door Wall-Mount Enclosures



Premier Series
Type 4 & 12 Single-Door Wall-Mount Enclosures



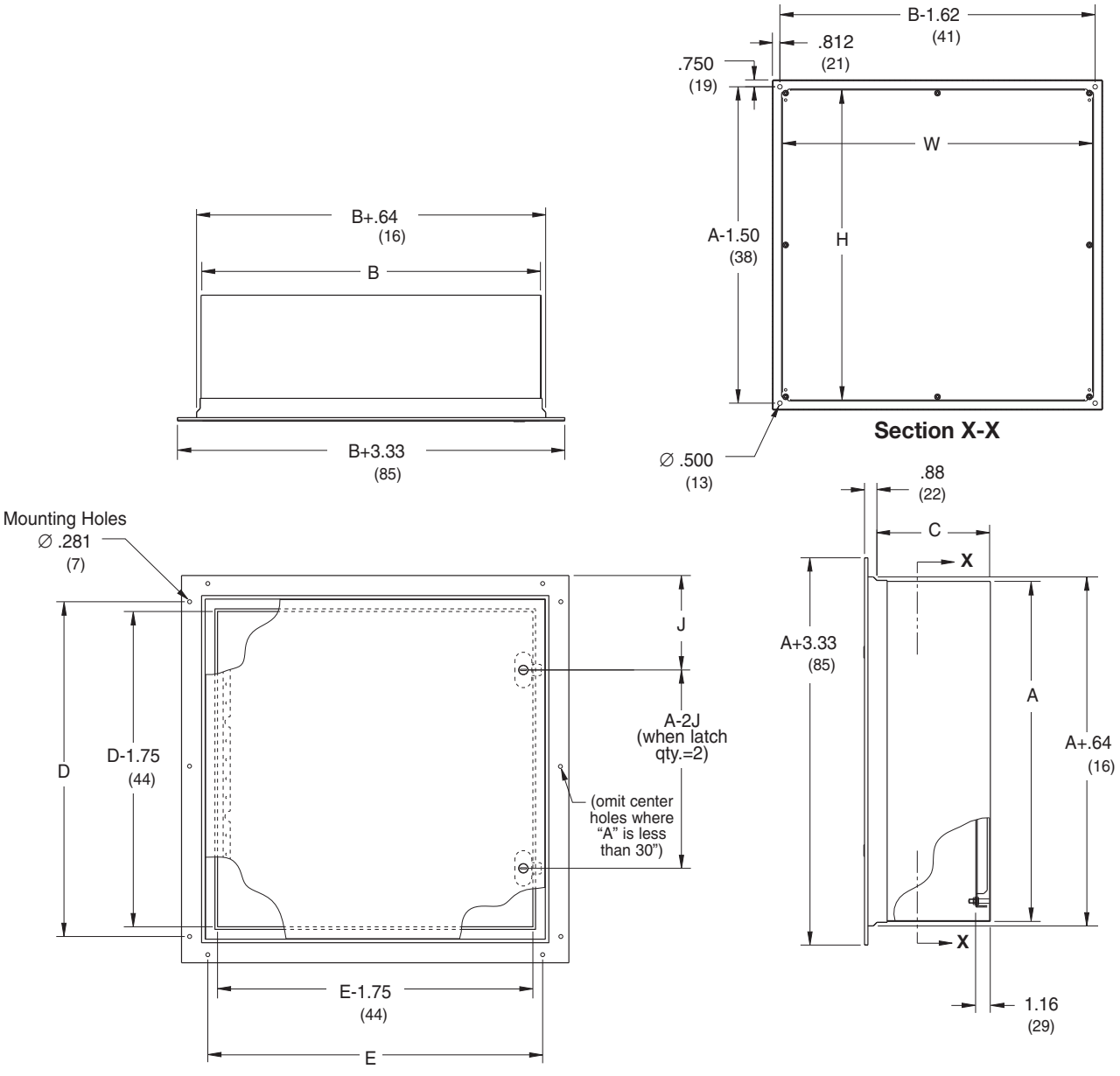
Window door

Section X-X

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Premier Series
Type 4 & 12 Flush Mount
Catalog Number

Enclosure Catalog Number Solid Door	Enclosure Size A x B x C in.	mm	Door/Body Gauge	Panel Catalog Number	Panel Size H x W in.	mm	Mounting D x E in.	mm	Latch Qty.	J in.	mm
12126-FM	12x12x6	305x305x152	16/16	**1212P**	10.00x10.00	254x254	11.62x11.62	295x295	1	6.00	152
16126-FM	16x12x6	406x305x152	16/16	**1612P**	14.00x10.00	356x254	15.62x11.62	397x295	1	8.00	203
20166-FM	20x16x6	508x406x152	16/16	**2016P**	18.00x14.00	457x356	19.62x15.62	498x397	1	10.00	254
20206-FM	20x20x6	508x508x152	16/16	**2020P**	18.00x18.00	457x457	19.62x19.62	498x498	1	10.00	254
24208-FM	24x20x8	610x508x152	16/16	**2420P**	22.00x18.00	559x457	23.62x19.62	600x498	1	5.00	127
24248-FM	24x24x8	610x610x152	14/16	**2424P**	22.00x22.00	559x559	23.62x23.62	600x600	2	5.00	127
30248-FM	30x24x8	762x610x152	14/16	**3024P**	28.00x22.00	711x559	29.62x23.62	752x600	2	5.00	127



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Premier Series
Type 12 Two-Door Enclosures
Data Sheet

Application
- Houses electrical controls and instruments in a contemporary streamlined design
- Premier series enclosures offer increased flexibility and improved features suitable for any high-tech or standard installation
- Protects against circulating and windblown dust, falling dirt and dripping noncorrosive liquids

Standards
- UL 508 Listed, Type 12
- cUL Listed, Type 12
- Conforms to NEMA standard for Type 12
- IEC 60529, IP55

Construction
- Enclosure and door are fabricated from code gauge steel (see table)
- All continuous welded seams are finished smooth
- Hardware kit provided contains grounding hardware, .312-18 flanged hex nuts for panel mounting and sealing washers fo body mounting holes

Body Construction
- Body flange trough design, formed around body opening, diverts liquid contaminants away from door opening
- Reduced width flange design increases enclosure opening
- Ground stud provided in enclosure body
- .312-18 collar studs are provided for mounting optional Premier panels
- Enclosure mounting holes in body provided for direct mounting or optional mounting feet
- Utility bracket provides wire management and accessory mounting

Door Construction
- Doors are secured to the body with a unique spring-loaded hidden hinge design on one side and slotted quarterturn flush latch(es) on the opposite side
- Doors are easily removed and interchangeable
- Door opens 170° for easy access
- Door has a fixed, oil and water-resistant, seamless foam in place gasket
- Utility rail provides grounding, rigidity and wire management
- Door stiffeners are provided on larger enclosures for added rigidity

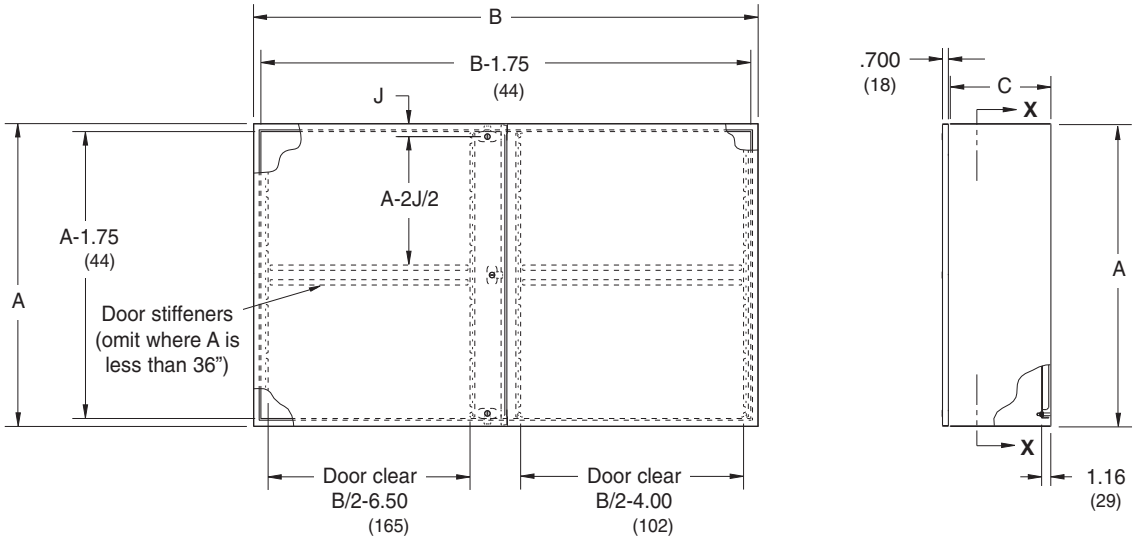
Finish
- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

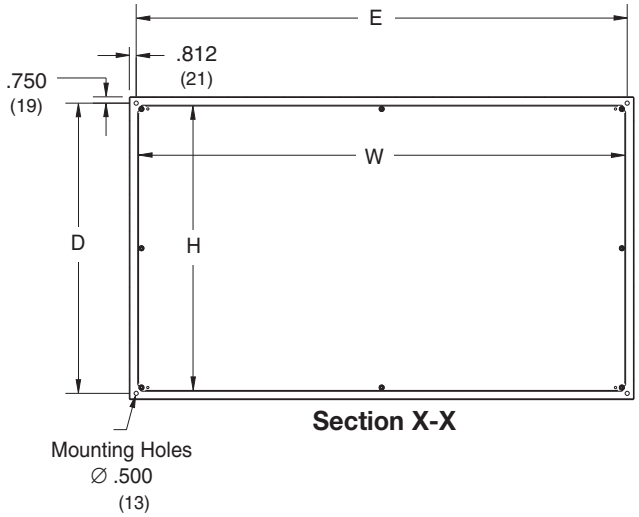
Accessories
- Premier panels
- NEMA panel adapters
- Depth adjustment brackets
- Print pockets
- Padlockable or keyed handles
- Security latch inserts
- Mounting foot kits
- **See Accessories section, pages 172-176**

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Premier Series
Type 12 Two-Door Enclosures
Catalog Number

Enclosure Catalog Number Solid Door	Enclosure Size A x B x C in.	mm	Door/Body Gauge	Panel Catalog Number	Panel Size H x W in.	mm	Mounting D x E in.	mm	Latch Qty.	J in.	mm
24428-TD	24x42x8	610x1067x203	14/14	**2442P**	22.00x40.00	559x1016	22.50x40.37	572x1026	3	5.00	127
30488-TD	30x48x8	762x1219x203	14/14	**3048P**	28.00x46.00	711x1168	28.50x46.37	724x1178	3	5.00	127
306012-TD	30x60x12	762x1524x305	14/14	**3060P**	28.00x58.00	711x1473	28.50x58.37	724x1483	3	5.00	127
364812-TD	36x48x12	914x1219x305	14/14	**4836P**	34.00x46.00	864x1168	34.50x46.37	876x1178	3	5.00	127
366012-TD	36x60x12	914x1524x305	14/14	**6036P**	34.00x58.00	864x1473	34.50x58.37	876x1483	3	5.00	127





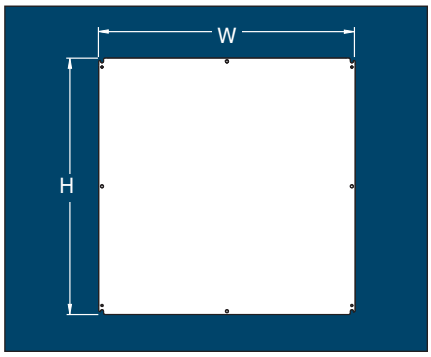
Section X-X

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Premier Series
Accessories

Panels

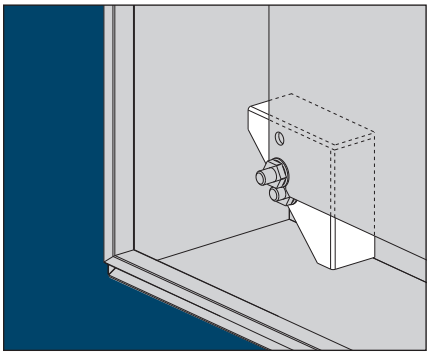
Premier panels can be installed in any premier-style enclosure and are up to 20% larger than standard NEMA panels. Panels above 24" are flanged.
Steel panels have a white polyester powder paint finish.
Stainless Steel sizes available as shown in chart.



Catalog Number		Panel Size H x W		Gauge
Steel	Stainless	in.	mm	
108P	108PSS4	8.00x6.00	203x152	14
1210P	1210PSS4	10.00x8.00	254x203	14
1212P	1212PSS4	10.00x10.00	254x254	14
1612P	1612PSS4	14.00x10.00	356x254	14
1616P	1616PSS4	14.00x14.00	356x356	12
2016P	2016PSS4	18.00x14.00	457x356	12
2020P	2020PSS4	18.00x18.00	457x457	12
2416P	2416PSS4	22.00x14.00	559x356	12
2420P	2420PSS4	22.00x18.00	559x457	12
2424P	2424PSS4	22.00x22.00	559x559	12
2442P	2442PSS4	22.00x40.00	559x1016	12
3020P	3020PSS4	28.00x18.00	711x457	12
3024P	3024PSS4	28.00x22.00	711x559	12
3030P	3030PSS4	28.00x28.00	711x711	12
3048P	3048PSS4	28.00x46.00	711x1168	12
3060P	3060PSS4	28.00x58.00	711x1473	12
3624P	3624PSS4	34.00x22.00	864x559	12
3630P	3630PSS4	34.00x28.00	864x711	12
3636P	3636PSS4	34.00x34.00	864x864	12
4230P	4230PSS4	40.00x28.00	1016x711	12
4236P	4236PSS4	40.00x34.00	1016x864	12
4824P	4824PSS4	46.00x22.00	1168x559	12
4836P	4836PSS4	46.00x34.00	1168x864	12
6036P	6036PSS4	58.00x34.00	1473x864	12

NEMA Panel Adapters

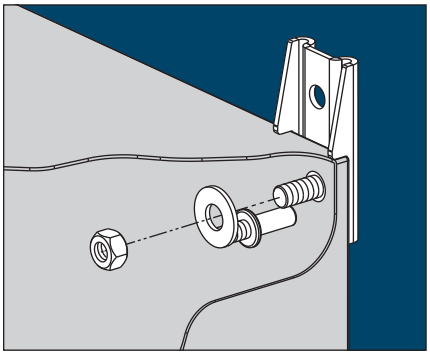
NEMA panel adapters allow standard NEMA panels to be used in Premier series enclosures. Decreased height and width of NEMA panels increase space around panel for wire management. Kit includes four adapters and four .375-16 flanged hex nuts.
Finish: Zinc Plated
(**Note**: Cannot be used with enclosure AxB= 10x8 (254 mm x 203 mm), 12x10 (305 mm x 254 mm), 12x12 (305 mm x 305 mm).



Catalog Number	Qty.	For use with Premier Enclosures
PCK4	4	30" x 30" or smaller

Mounting Foot Kits

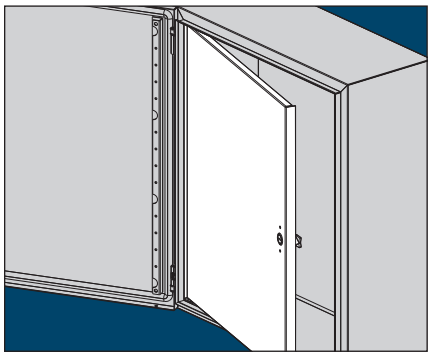
Mounting foot kits are available in steel or stainless steel. Four feet and hardware are included.



Catalog Number	Qty.	Description
WMKSS6	4	Type 316 Stainless Steel

Swing-Out Panels

Swing-out panels offer a means for mounting user components and equipment near the front of an enclosure opening. Panel pivots from front of enclosure to allow easy access to internal equipment. Swing-out panel is 14 gauge with a white polyester powder finish and includes all hardware for mounting to front flange of enclosure.
(**Note**: Cannot be used in conjunction with depth adjustment brackets).

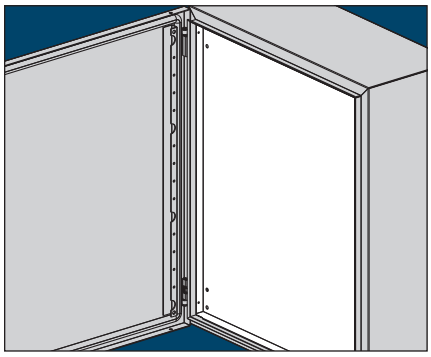


Note: Swing-out panel distance from panel face to inside of enclosure cover equals $1\frac{1}{4}$". $\frac{5}{8}$" to door stiffener.

Catalog Number	Panel Size Height x Width in.	mm	For use with Premier Enclosures A x B
1212SP	9.78x9.84	248x250	12"x12"
1612SP	13.78x9.84	350x250	16"x12"
1616SP	13.78x13.84	350x352	16"x16"
1620SP	13.78x17.84	350x453	16"x20"
2016SP	17.78x13.84	452x352	20"x16"
2020SP	17.78x17.84	452x453	20"x20"
2024SP	17.78x21.84	452x555	20"x24"
2416SP	21.78x13.84	553x352	24"x16"
2420SP	21.78x17.84	553x453	24"x20"
2424SP	21.78x21.84	553x555	24"x24"
3020SP	27.78x17.84	706x453	30"x20"
3024SP	27.78x21.84	706x555	30"x24"
3030SP	27.78x27.84	706x707	30"x30"
3624SP	33.78x21.84	858x555	36"x24"
3630SP	33.78x27.84	858x707	36"x30"
3636SP	33.78x33.84	858x860	36"x36"

Dead Front Panels

Dead front kits offer a means for mounting user components and equipment near the front of an enclosure opening. Also creates a barrier and controls access to the enclosure interior. Kit includes ANSI 61 gray panel and all hardware for mounting to enclosures.
(**Note**: Cannot be used in conjunction with depth adjustment brackets).

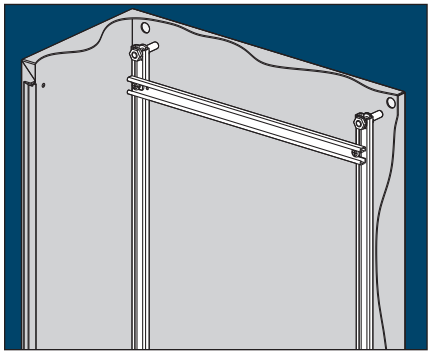


Note: Dead front panel distance from panel face to inside of enclosure cover equals $1\frac{1}{4}$". $\frac{5}{8}$" to door stiffener.

Catalog Number	For use with Premier Enclosures A x B
1212DF	12"x12"
1612DF	16"x12"
2016DF	20"x16"
2020DF	20"x20"
2420DF	24"x20"
2424DF	24"x24"
3024DF	30"x24"

Mounting Channels

Mounting channels create a vertical or horizontal framework for DIN rail, flexible mounting straps, or other component attachment. Two channels provided for mounting on enclosure collar studs. Finish: Zinc Plated

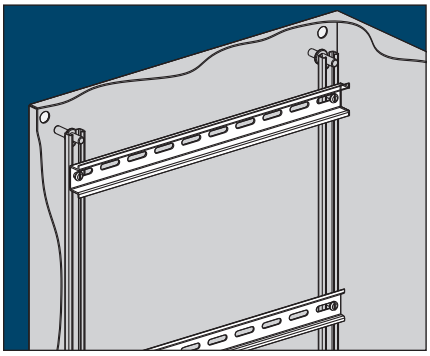


Catalog Number	Qty.	For use with Premier Enclosures
12MC	2	12" height or width
16MC	2	16" height or width
20MC	2	20" height or width
24MC	2	24" height or width
30MC	2	30" height or width
36MC	2	36" height or width
42MC	2	42" height or width
48MC	2	48" height or width
60MC	2	60" height or width

Premier Series
Accessories

DIN Rail Kits

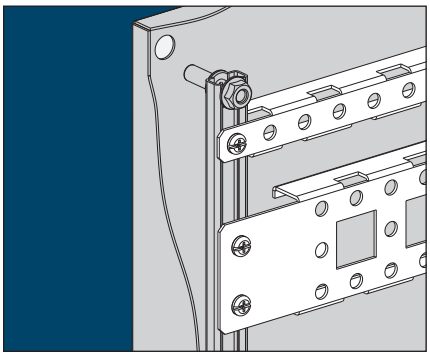
DIN rail kits provide flexibility for mounting DIN type snap-on equipment. Three styles; TS32x15, slotted; TS35x7.5, slotted; TS35x15, slotted all attach to collar studs either horizontally or vertically. Three DIN rails, screws and channel nuts are provided.
Finish: Yellow Zinc



Catalog Number	Description	For use with Premier Enclosures
12DR1P	TS32x15, slotted	12” height or width
16DR1P	TS32x15, slotted	16” height or width
20DR1P	TS32x15, slotted	20” height or width
24DR1P	TS32x15, slotted	24” height or width
12DR3P	TS35x7.5, slotted	12” height or width
16DR3P	TS35x7.5, slotted	16” height or width
20DR3P	TS35x7.5, slotted	20” height or width
24DR3P	TS35x7.5, slotted	24” height or width
12DRCP	TS35x15, slotted	12” height or width
16DRCP	TS35x15, slotted	16” height or width
20DRCP	TS35x15, slotted	20” height or width
24DRCP	TS35x15, slotted	24” height or width

Flexible Mounting Straps

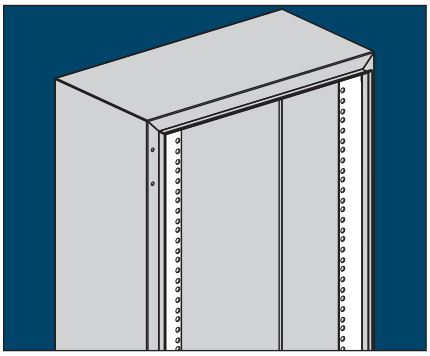
Flexible mounting straps offer a versatile, horizontal or vertical mounting method inside enclosure body. Two designs; 1-hole or 3-hole pattern increase mounting flexibility and attach to enclosure collar studs. Flexible mounting strap kit contains two straps and hardware. Finish: Zinc Plated



Catalog Number	Description	Fits Premier Enclosures
12GS1	1 hole	12” height or width
16GS1	1 hole	16” height or width
20GS1	1 hole	20” height or width
24GS1	1 hole	24” height or width
30GS1	1 hole	30” height or width
36GS3	3 hole	36” height or width
42GS3	3 hole	42” height or width
48GS3	3 hole	48” height or width
60GS3	3 hole	60” height or width

Rack Mounting Angles

Relay rack angles are designed for mounting EIA 19” rack mount equipment inside 24” wide enclosures. Fabricated from 14 gauge steel and zinc plated. Rack angles are mounted to enclosure flange with hardware provided. Rack mount angles are untapped and require screws and cage nuts for equipment mounting (order separately).
Finish: Zinc Plated

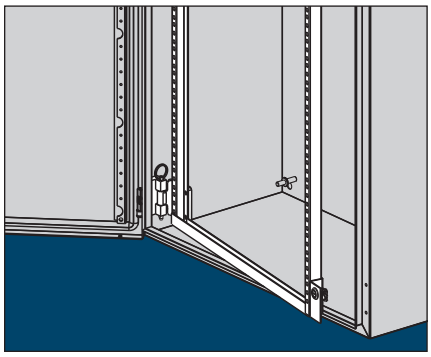


Catalog Number	For use with Premier Enclosures	Mounting Units
10URMA	20” height	10
12URMA	24” height	12
16URMA	30” height	16
19URMA	36” height	19
26URMA	48” height	26

Universal Spacing [5/8” (16mm), 5/8” (16mm), 1/2” (13mm)]

Swing-Out Rack Frames

Swing-out rack frames allow mounting of EIA 19" rack mount equipment. Flexible pivoting framework provides access to back of equipment or other internal components. Designed for use with 24" wide Premier series enclosures. Mounting hardware included. Swing-out rack frame holes are untapped and require screws and cage nuts for equipment mounting (order separately).
(**Note**: Cannot be used in conjunction with depth adjustment brackets).
Finish: ANSI Gray Polyester Powder

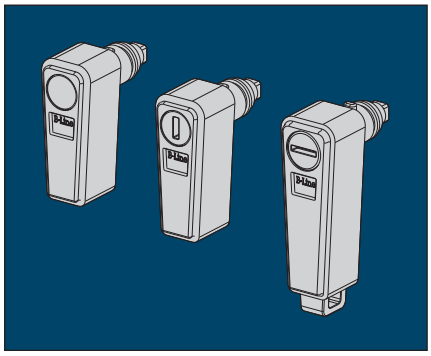


Catalog Number	For use with Premier Enclosures	Mounting Units
2424SF	24"x24"	11
3024SF	30"x24"	15
3624SF	36"x24"	18

Universal Spacing [(5/8" (16mm), 5/8" (16mm), 1/2" (13mm)]

Handles

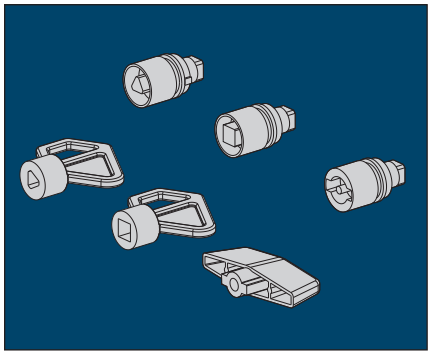
Padlockable, key-lockable or non-locking handles are interchangeable with standard slotted quarter-turn flush latch on Premier series enclosures. Available keyed alike or keyed different, please specify when ordering.



Catalog Number	Description
WMHNL	Wall-mount handle, non-locking
WMHK-01	Wall-mount handle, key-locking - keyed 01
WMHK-02	Wall-mount handle, key-locking - keyed 02
WMHK-03	Wall-mount handle, key-locking - keyed 03
WMHK-04	Wall-mount handle, key-locking - keyed 04
WMHPTO	Wall-mount handle, padlockable

Security Latch Inserts

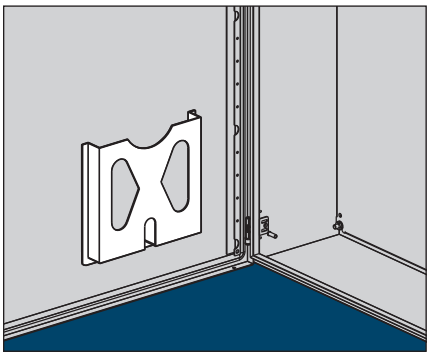
Security latch inserts interchange with slotted quarterturn flush latch and provide security and control access to interior of enclosure. Inserts include matching key.



Catalog Number	Description
7MTLK	7mm triangular latch insert
7MSLK	7mm square latch insert
3MDBLK	3mm double bit latch insert

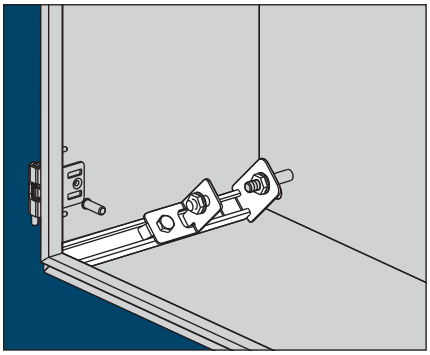
Premier Series
Accessories

Print Pockets
Print pockets provide a convenient place to store operation manuals, diagrams, or other documents inside the enclosure. Thermoplastic pockets are gray and have cut away areas for viewing contents. Pockets have adhesive backing for mounting inside on enclosure door.



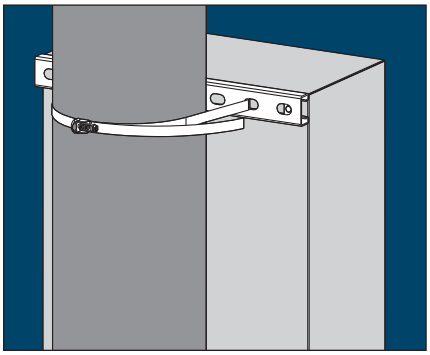
Catalog Number	Length x Width
32170	6” x 6”
32171	10” x 10”

Depth Adjustment Brackets
Depth adjustment brackets allow variable depth mounting of premier accessories. Designed for use with 6”, 8” or 12” deep enclosures. Kit is available in quantities of 4 or 2 and includes mounting channel, adjustable mechanism and hardware. When enclosure has 6 collar studs, use two kits. (**Note**: Not for use with swing-out rack frame, dead front panel or swing-out panel). Finish: Zinc Plated



Catalog Number	Qty.	For use with Premier Enclosures
64AMK	4	6” depth or greater
84AMK	4	8” depth or greater
82AMK	2	8” depth or greater
124AMK	4	12” depth or greater
122AMK	2	12” depth or greater

Pole Mounting Kits
Pole mounting kits allow installation of enclosure on round or rectangular poles. Kit includes hot dip galvanized after fabrication strut channel, stainless steel band and hardware for top and bottom mounting of enclosure.



Note: Pole diameter range 4” minimum to 12” maximum.

Catalog Number	For use with Premier Enclosures
12PMK	12” width
16PMK	16” width
20PMK	20” width
24PMK	24” width
30PMK	30” width

Hardware
Phillips head screws and cage nuts are available in #10-32, #12-24 or M6 and allow mounting of equipment to untapped holes in rack mounting angles and swing-out rack frame.

Catalog Number	Screw Type
E2-MA-1032-PHMS-100	#10-32 Phillips
E2-MA-1224-PHMS-100	#12-24 Phillips
E2-MA-M6-PHMS-100	M6 Phillips

Catalog Number	Cage Nut Type
E2-MA-CN-1032-100	#10-32 Tapped
E2-MA-CN-1224-100	#12-24 Tapped
E2-MA-CN-M6-100	M6 Tapped

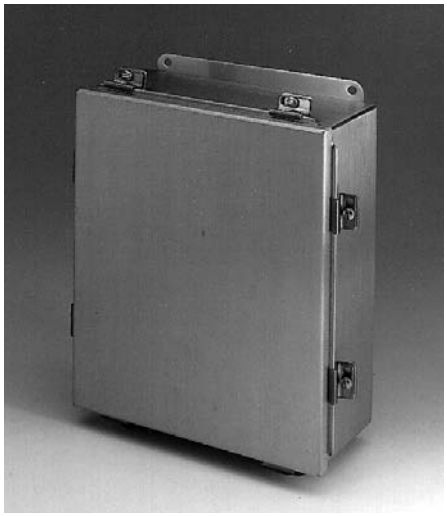
Sold in bags of 100 pieces.

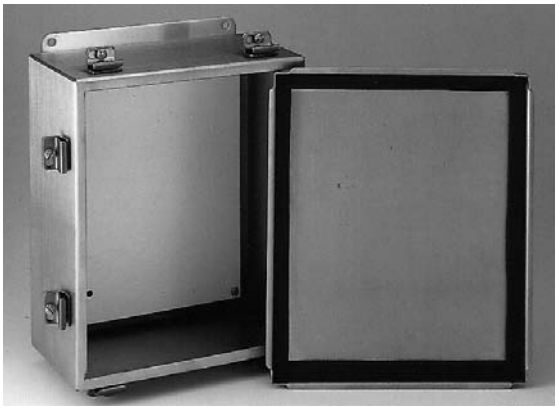
TYPE 4X ENCLOSURES

JIC Stainless Steel Lift-Off Cover Enclosures 178
JIC Stainless Steel Continuous Hinge Cover Enclosures 180
Premier Series Stainless Steel Enclosures 182
Stainless Steel Single-Door Enclosures 186
JIC Aluminum Lift-Off Cover Enclosures 188
JIC Aluminum Continuous Hinge Cover Enclosures 190
Aluminum Single-Door Enclosures 192
Stainless Steel Double-Door Floor-Standing Enclosures 194
Aluminum Double-Door Floor-Standing Enclosures 195
Stainless Steel Free-Standing Enclosures 197
Free-Standing Accessories 199

Type 4X Stainless Steel JIC Lift-Off Cover Enclosures

Data Sheet





Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4X, Type 4, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 4X, Type 4, Type 13 and Type 12
- Conforms to NEMA standard for Type 4X, Type 4, Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP66

Construction

- Enclosure and cover are fabricated from (16) gauge, Type 304 or Type 316L stainless steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with easy-to-operate stainless steel screw clamps mounted on all four sides
- Cover has a fixed, oil and water-resistant gasket
- #10-32 weldnuts are provided for mounting optional panel on 6H x 4W and larger enclosures
- External mounting feet are provided for secure wall mounting

Finish

- Outer surface of enclosure and cover has a smooth brushed finish

Accessories

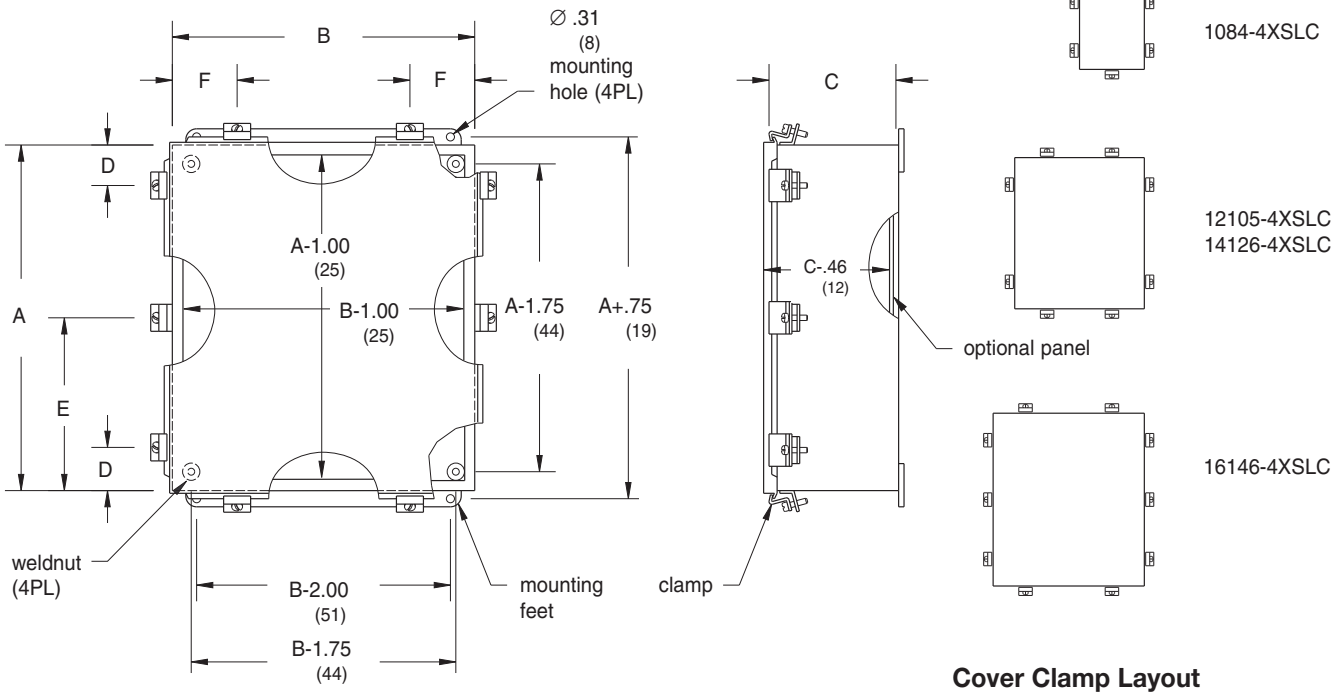
- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- See Accessories section

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4X Stainless Steel JIC Lift-Off Cover Enclosures

Catalog Number

Enclosure Catalog Number Stainless Steel Type 304	Enclosure Catalog Number Stainless Steel Type 316L	Enclosure Size Height x Width x Depth A x B x C in.	Enclosure Size Height x Width x Depth A x B x C mm	D in.	D mm	E in.	E mm	F in.	F mm	Panel Catalog Number Steel	Panel Catalog Number Stainless	Panel Size Height x Width in.	Panel Size Height x Width mm
443-4XSLC	**443-4XSS6LC**	4.00x4.00x3.00	102x102x76	2.00	51	-	-	2.00	51	-	-	-	-
643-4XSLC	**643-4XSS6LC**	6.00x4.00x3.00	152x102x76	3.00	76	-	-	2.00	51	**AW64P**	**AW64SP**	4.87x2.87	124x73
664-4XSLC	**664-4XSS6LC**	6.00x6.00x4.00	152x152x102	3.00	76	-	-	3.00	76	**AW66P**	**AW66SP**	4.87x4.87	124x124
864-4XSLC	**864-4XSS6LC**	8.00x6.00x4.00	203x152x102	4.00	102	-	-	3.00	76	**AW86P**	**AW86SP**	6.87x4.87	174x124
884-4XSLC	**884-4XSS6LC**	8.00x8.00x4.00	203x203x102	4.00	102	-	-	4.00	102	**AW88P**	**AW88SP**	6.87x6.87	174x174
1084-4XSLC	**1084-4XSS6LC**	10.00x8.00x4.00	254x203x102	2.00	51	-	-	4.00	102	**AW108P**	**AW108SP**	8.87x6.87	225x174
12105-4XSLC	**12105-4XSS6LC**	12.00x10.00x5.00	305x254x127	3.00	76	-	-	2.00	51	**AW1210P**	**AW1210SP**	10.87x8.87	276x225
14126-4XSLC	**14126-4XSS6LC**	14.00x12.00x6.00	356x305x152	3.00	76	-	-	3.00	76	**AW1412P**	**AW1412SP**	12.87x10.87	327x276
16146-4XSLC	**16146-4XSS6LC**	16.00x14.00x6.00	406x356x152	2.00	51	8.00	203	3.00	38	**AW1614P**	**AW1614SP**	14.87x12.87	378x327

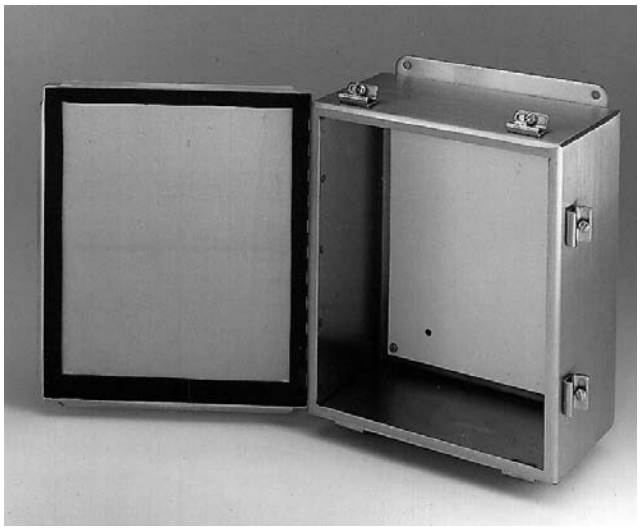


Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Stainless Steel JIC Continuous Hinge Cover Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4X, Type 4, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 4X, Type 4, Type 13 and Type 12
- Conforms to NEMA standard for Type 4X, Type 4, Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP66

Construction

- Enclosure and cover are fabricated from (16) gauge, Type 304 or Type 316L stainless steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with a stainless steel continuous hinge and pin on one side and easy-to-operate stainless steel screw clamps mounted to the opposite side
- Cover has a fixed, oil and water-resistant gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Outer surface of enclosure and cover has a smooth brushed finish

Accessories

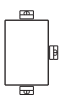
- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- See Accessories section

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

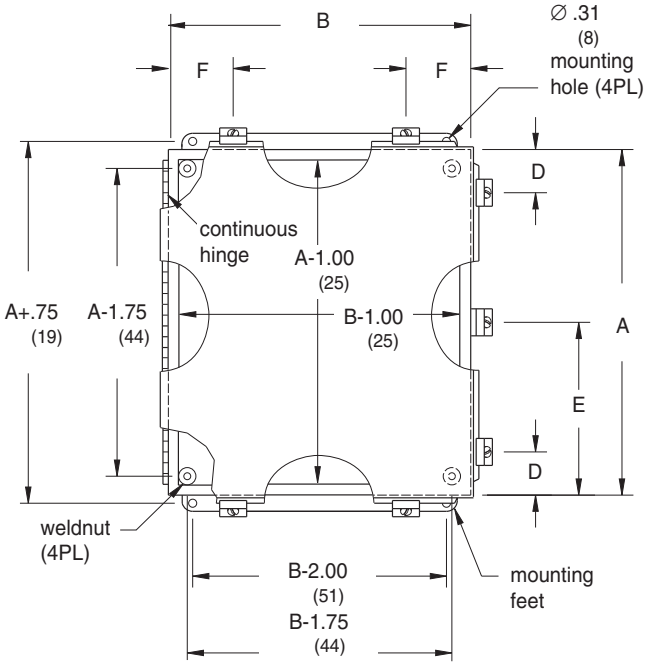
Type 4X Stainless Steel JIC Continuous Hinge Cover Enclosures

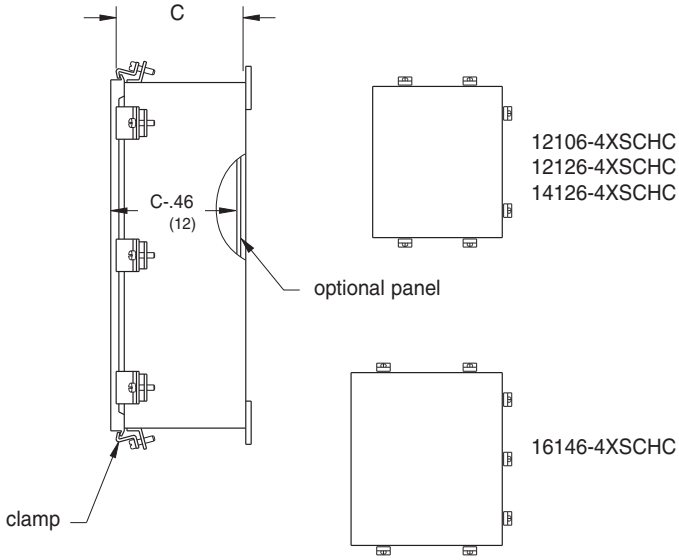
Catalog Number

Enclosure Catalog Number Stainless Steel Type 304	Enclosure Catalog Number Stainless Steel Type 316L	Enclosure Size Height x Width x Depth A x B x C in.	Enclosure Size Height x Width x Depth A x B x C mm	D in.	D mm	E in.	E mm	F in.	F mm	Panel Catalog Number Steel	Panel Catalog Number Stainless	Panel Size Height x Width in.	Panel Size Height x Width mm
644-4XSCHC	644-4XSS6CHC	6.00x4.00x4.00	152x102x102	3.00	76	-	-	2.00	51	AW64P	AW64SP	4.87x2.87	124x73
664-4XSCHC	664-4XSS6CHC	6.00x6.00x4.00	152x152x102	3.00	76	-	-	3.00	76	AW66P	AW66SP	4.87x4.87	124x124
864-4XSCHC	864-4XSS6CHC	8.00x6.00x4.00	203x152x102	4.00	102	-	-	3.00	76	AW86P	AW86SP	6.87x4.87	174x124
884-4XSCHC	884-4XSS6CHC	8.00x8.00x4.00	203x203x102	4.00	102	-	-	4.00	102	AW88P	AW88SP	6.87x6.87	174x174
1084-4XSCHC	1084-4XSS6CHC	10.00x8.00x4.00	254x203x102	2.00	51	-	-	4.00	102	AW108P	AW108SP	8.87x6.87	225x174
12106-4XSCHC	12106-4XSS6CHC	12.00x10.00x6.00	305x254x152	3.00	76	-	-	2.00	51	AW1210P	AW1210SP	10.87x8.87	276x225
12126-4XSCHC	12126-4XSS6CHC	12.00x12.00x6.00	305x305x152	3.00	76	-	-	3.00	76	AW1212P	AW1212SP	10.87x10.87	276x276
14126-4XSCHC	14126-4XSS6CHC	14.00x12.00x6.00	356x305x152	3.00	76	-	-	3.00	76	AW1412P	AW1412SP	12.87x10.87	327x276
16146-4XSCHC	16146-4XSS6CHC	16.00x14.00x6.00	406x356x152	2.00	51	8.00	203	3.00	76	AW1614P	AW1614SP	14.87x12.87	376x327



644-4XSCHC
664-4XSCHC
864-4XSCHC
884-4XSCHC





Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Premier Series Stainless Steel Type 4X Single-Door Wall-Mount Enclosures

Data Sheet

Application

- Houses electrical controls and instruments in a contemporary streamlined design
- Premier series Type 4X stainless steel enclosures offer increased flexibility and improved features suitable for any high-tech or standard installation requiring corrosion-resistance protection
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, circulating and windblown dust, falling dirt, dripping noncorrosive liquids, rain, splashing water and hose directed water

Standards

- UL 508 Listed, Type 4X, Type 4 and Type 12
- cUL Listed, Type 4X, Type 4 and Type 12
- Conforms to NEMA standard for Type 4X, Type 4 and 12
- IEC 60529, IP66

Construction

- Enclosure and door are fabricated from code gauge Type 304 or Type 316L stainless steel (see tables)
- All continuous welded seams are finished smooth
- Hardware kit provided contains grounding hardware, .312-18 flanged hex nuts for panel mounting and sealing washers for body mounting holes

Body Construction

- Body flange trough design, formed around body opening, diverts liquid contaminants away from door opening
- Reduced width flange design increases enclosure opening
- Ground stud provided in enclosure body
- .312-18 collar studs are provided for mounting optional Premier panels
- Enclosure mounting holes in body provided for direct mounting or optional mounting feet
- Utility bracket provides wire management and accessory mounting

Door Construction

- Doors are secured to the body with a unique spring-loaded hidden hinge design on one side and slotted quarterturn flush latch(es) on the opposite side
- Doors are easily removed and interchangeable
- Door has a fixed, oil and water-resistant, seamless foam in place gasket
- Door opens 170° for easy access
- Utility rail provides grounding, rigidity and wire management
- Door stiffeners are provided on larger enclosures for added rigidity
- Window-door enclosures feature flush-mounted clear polycarbonate window

Finish

- Outer surface of enclosure and cover has a smooth brushed finish

Accessories

- Premier panels
- NEMA panel adapters
- Depth adjustment brackets
- Print pockets
- Padlockable or keyed handles
- Security latch inserts
- Mounting foot kits
- EIA/TIA rack mounting angles
- Swing-out panels
- **See Premier Accessories pages, 172-176**

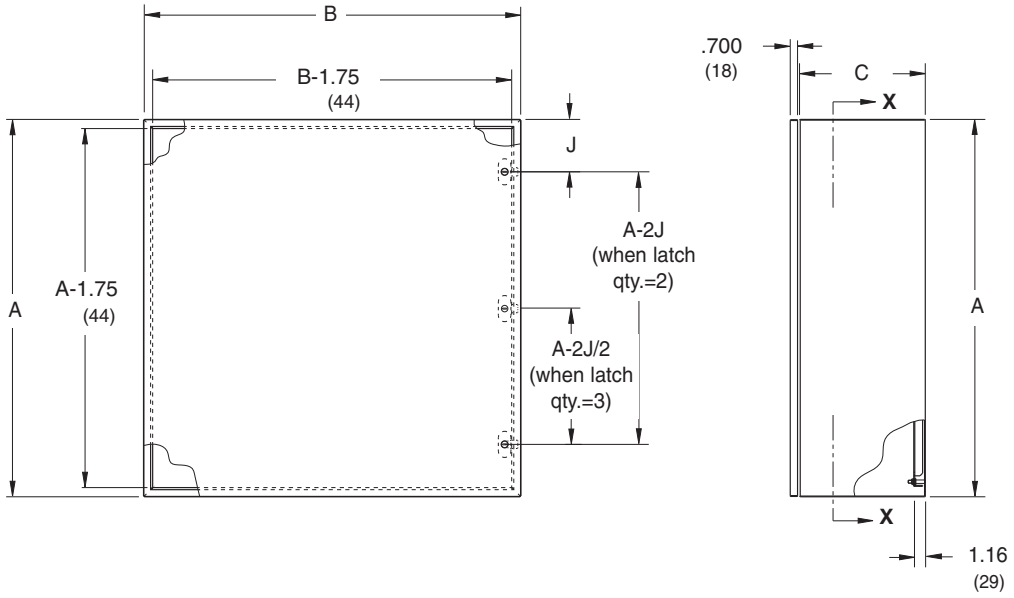
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Premier Series Stainless Steel
Type 4X Single-Door Wall-Mount Enclosures
Catalog Number

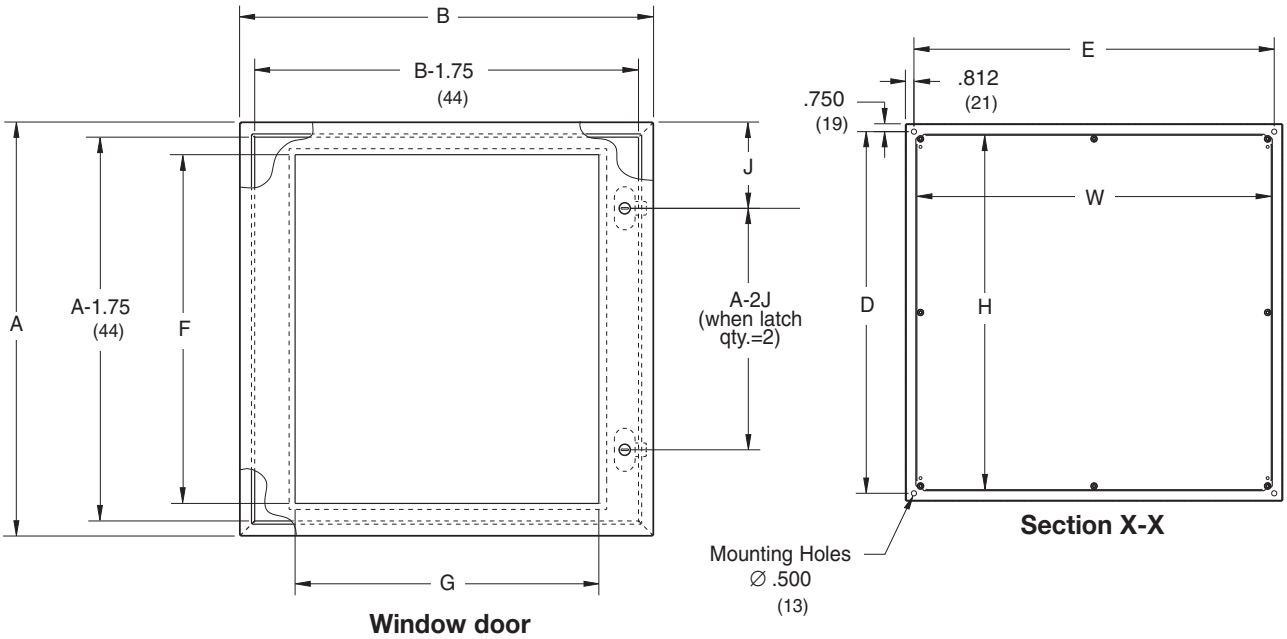
Enclosure Catalog Number Type 304 Stainless Steel		Enclosure Size A x B x C		Door/Body Gauge	Panel Catalog Number	Panel Size H x W		Mounting D x E		Window Size F x G		Latch Qty.	J	
Solid Door	Window Door	in.	mm			in.	mm	in.	mm	in.	mm		in.	mm
1084-SDSS4	-	10x8x4	254x203x102	16/16	**108P**	8.00x6.00	203x152	8.50x6.37	216x162	-	-	1	5.00	127
1086-SDSS4	-	10x8x6	254x203x152	16/16	**108P**	8.00x6.00	203x152	8.50x6.37	216x162	-	-	1	5.00	127
12106-SDSS4	-	12x10x6	305x254x152	16/16	**1210P**	10.00x8.00	254x203	10.50x8.37	267x213	-	-	1	6.00	152
12126-SDSS4	**12126-SDWSS4**	12x12x6	305x305x152	16/16	**1212P**	10.00x10.00	254x254	10.50x10.37	267x264	8.25x7.00	210x178	1	6.00	152
16126-SDSS4	**16126-SDWSS4**	16x12x6	406x305x152	16/16	**1612P**	14.00x10.00	356x254	14.50x10.37	368x264	12.25x7.00	311x178	1	8.00	203
16166-SDSS4	-	16x16x6	406x406x152	16/16	**1616P**	14.00x14.00	356x356	14.50x14.37	368x365	-	-	1	8.00	203
20166-SDSS4	**20166-SDWSS4**	20x16x6	508x406x152	16/16	**2016P**	18.00x14.00	457x356	18.50x14.37	470x365	16.25x11.00	413x279	1	10.00	254
20206-SDSS4	**20206-SDWSS4**	20x20x6	508x508x152	16/16	**2020P**	18.00x18.00	457x457	18.50x18.37	470x467	16.25x15.00	413x381	1	10.00	254
16128-SDSS4	-	16x12x8	406x305x203	16/16	**1612P**	14.00x10.00	356x254	14.50x10.37	368x264	-	-	1	8.00	203
16168-SDSS4	-	16x16x8	406x406x203	16/16	**1616P**	14.00x14.00	356x356	14.50x14.37	368x365	-	-	1	8.00	203
16208-SDSS4	-	16x20x8	406x508x203	16/16	**2016P**	14.00x18.00	356x457	14.50x18.37	368x467	-	-	1	8.00	203
20168-SDSS4	**20168-SDWSS4**	20x16x8	508x406x203	16/16	**2016P**	18.00x14.00	457x356	18.50x14.37	470x365	16.25x11.00	413x279	1	10.00	254
20208-SDSS4	**20208-SDWSS4**	20x20x8	508x508x203	16/16	**2020P**	18.00x18.00	457x457	18.50x18.37	470x467	16.25x15.00	413x381	1	10.0	254
24168-SDSS4	-	24x16x8	610x406x203	16/16	**2416P**	22.00x14.00	559x356	22.50x14.37	572x365	-	-	1	5.00	127
24208-SDSS4	**24208-SDWSS4**	24x20x8	610x508x203	16/16	**2420P**	22.00x18.00	559x457	22.50x18.37	572x467	20.25x15.00	514x381	1	5.00	127
24248-SDSS4	**24248-SDWSS4**	24x24x8	610x610x203	14/16	**2424P**	22.00x22.00	559x559	22.50x22.37	572x568	20.25x17.62	514x448	2	5.00	127
30248-SDSS4	**30248-SDWSS4**	30x24x8	762x610x203	14/16	**3024P**	28.00x22.00	711x559	28.50x22.37	724x568	26.25x17.62	667x448	2	5.00	127
30308-SDSS4	-	30x30x8	762x762x203	14/14	**3030P**	28.00x28.00	711x711	28.50x28.37	724x721	-	-	2	5.00	127
36248-SDSS4	-	36x24x8	914x610x203	14/16	**3624P**	34.00x22.00	864x559	34.50x22.37	876x568	-	-	2	5.00	127
36308-SDSS4	-	36x30x8	914x762x203	14/14	**3630P**	34.00x28.00	864x711	34.50x28.37	876x721	-	-	2	5.00	127
202012-SDSS4	**202012-SDWSS4**	20x20x12	508x508x305	14/14	**2020P**	18.00x18.00	457x457	18.50x18.37	470x467	16.25x15.00	413x381	1	10.00	254
242412-SDSS4	-	24x24x12	610x610x305	14/14	**2424P**	22.00x22.00	559x559	22.50x22.37	572x568	-	-	2	5.00	127
302412-SDSS4	**302412-SDWSS4**	30x24x12	762x610x305	14/14	**3024P**	28.00x22.00	711x559	28.50x22.37	724x568	26.25x17.62	667x448	2	5.00	127
362412-SDSS4	-	36x24x12	914x610x305	14/14	**3624P**	34.00x22.00	864x559	34.50x22.37	876x568	-	-	2	5.00	127
363012-SDSS4	-	36x30x12	914x762x305	14/14	**3630P**	34.00x28.00	864x711	34.50x28.37	876x721	-	-	2	5.00	127
363612-SDSS4	-	36x36x12	914x914x305	14/14	**3636P**	34.00x34.00	864x864	34.50x34.37	876x873	-	-	2	5.00	127
423612-SDSS4	-	42x36x12	1067x914x305	14/14	**4236P**	40.00x34.00	1016x864	40.50x34.37	1029x873	-	-	3	5.00	127
483612-SDSS4	-	48x36x12	1219x914x305	14/14	**4836P**	46.00x34.00	1168x864	46.50x34.37	1181x873	-	-	3	5.00	127
603612-SDSS4	-	60x36x12	1524x914x305	14/14	**6036P**	58.00x34.00	1473x864	58.50x34.37	1486x873	-	-	3	5.00	127

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Premier Series Stainless Steel
Type 4X Single-Door Wall-Mount Enclosures



Premier Series Stainless Steel
Type 4X Single-Door Wall-Mount Enclosures



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Premier Series Stainless Steel
Type 4X Single-Door Wall-Mount Enclosures
Catalog Number

Enclosure Catalog Number Type 316L Stainless Steel Solid Door	Enclosure Size A x B x C in.	Enclosure Size A x B x C mm	Door/ Body Gauge	Steel Panel Catalog Number	Stainless Steel Panel Catalog Number	Panel Size H x W in.	Panel Size H x W mm	Mounting D x E in.	Mounting D x E mm	Latch Qty.	J in.	J mm
1084-SDSS6	10x8x4	254x203x102	16/16	**108P**	**108PSS4**	8.00x6.00	203x152	8.50x6.37	216x162	1	5.00	127
1086-SDSS6	10x8x6	254x203x152	16/16	**108P**	**108PSS4**	8.00x6.00	203x152	8.50x6.37	216x162	1	5.00	127
12106-SDSS6	12x10x6	305x254x152	16/16	**1210P**	**1210PSS4**	10.00x8.00	254x203	10.50x8.37	267x213	1	6.00	152
12126-SDSS6	12x12x6	305x305x152	16/16	**1212P**	**1212PSS4**	10.00x10.00	254x254	10.50x10.37	267x264	1	6.00	152
16126-SDSS6	16x12x6	406x305x152	16/16	**1612P**	**1612PSS4**	14.00x10.00	356x254	14.50x10.37	368x264	1	8.00	203
16166-SDSS6	16x16x6	406x406x152	16/16	**1616P**	**1616PSS4**	14.00x14.00	356x356	14.50x14.37	368x365	1	8.00	203
20166-SDSS6	20x16x6	508x406x152	16/16	**2016P**	**2016PSS4**	18.00x14.00	457x356	18.50x14.37	470x365	1	10.00	254
20206-SDSS6	20x20x6	508x508x152	16/16	**2020P**	**2020PSS4**	18.00x18.00	457x457	18.50x18.37	470x467	1	10.00	254
16128-SDSS6	16x12x8	406x305x203	16/16	**1612P**	**1612PSS4**	14.00x10.00	356x254	14.50x10.37	368x264	1	8.00	203
16168-SDSS6	16x16x8	406x406x203	16/16	**1616P**	**1616PSS4**	14.00x14.00	356x356	14.50x14.37	368x365	1	8.00	203
16208-SDSS6	16x20x8	406x508x203	16/16	**2016P**	**2016PSS4**	14.00x18.00	356x457	14.50x18.37	368x467	1	8.00	203
20168-SDSS6	20x16x8	508x406x203	16/16	**2016P**	**2016PSS4**	18.00x14.00	457x356	18.50x14.37	470x365	1	10.00	254
20208-SDSS6	20x20x8	508x508x203	16/16	**2020P**	**2020PSS4**	18.00x18.00	457x457	18.50x18.37	470x467	1	10.00	254
24168-SDSS6	24x16x8	610x406x203	16/16	**2416P**	**2416PSS4**	22.00x14.00	559x356	22.50x14.37	572x365	1	5.00	127
24208-SDSS6	24x20x8	610x508x203	16/16	**2420P**	**2420PSS4**	22.00x18.00	559x457	22.50x18.37	572x467	1	5.00	127
24248-SDSS6	24x24x8	610x610x203	14/16	**2424P**	**2424PSS4**	22.00x22.00	559x559	22.50x22.37	572x568	2	5.00	127
30248-SDSS6	30x24x8	762x610x203	14/16	**3024P**	**3024PSS4**	28.00x22.00	711x559	28.50x22.37	724x568	2	5.00	127
30308-SDSS6	30x30x8	762x762x203	14/14	**3030P**	**3030PSS4**	28.00x28.00	711x711	28.50x28.37	724x721	2	5.00	127
36248-SDSS6	36x24x8	914x610x203	14/16	**3624P**	**3624PSS4**	34.00x22.00	864x559	34.50x22.37	876x568	2	5.00	127
36308-SDSS6	36x30x8	914x762x203	14/14	**3630P**	**3630PSS4**	34.00x28.00	864x711	34.50x28.37	876x721	2	5.00	127
202012-SDSS6	20x20x12	508x508x305	14/14	**2020P**	**2020PSS4**	18.00x18.00	457x457	18.50x18.37	470x467	1	10.00	254
242412-SDSS6	24x24x12	610x610x305	14/14	**2424P**	**2424PSS4**	22.00x22.00	559x559	22.50x22.37	572x568	2	5.00	127
302412-SDSS6	30x24x12	762x610x305	14/14	**3024P**	**3024PSS4**	28.00x22.00	711x559	28.50x22.37	724x568	2	5.00	127
362412-SDSS6	36x24x12	914x610x305	14/14	**3624P**	**3624PSS4**	34.00x22.00	864x559	34.50x22.37	876x568	2	5.00	127
363012-SDSS6	36x30x12	914x762x305	14/14	**3630P**	**3630PSS4**	34.00x28.00	864x711	34.50x28.37	876x721	2	5.00	127
363612-SDSS6	36x36x12	914x914x305	14/14	**3636P**	**3636PSS4**	34.00x34.00	864x864	34.50x34.37	876x873	2	5.00	127
423612-SDSS6	42x36x12	1067x914x305	14/14	**4236P**	**4236PSS4**	40.00x34.00	1016x864	40.50x34.37	1029x873	3	5.00	127
483612-SDSS6	48x36x12	1219x914x305	14/14	**4836P**	**4836PSS4**	46.00x34.00	1168x559	46.50x34.37	1181x873	3	5.00	127
603612-SDSS6	60x36x12	1524x914x305	14/14	**6036P**	**6036PSS4**	58.00x34.00	1473x559	58.50x34.37	1486x873	3	5.00	127

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Stainless Steel Single-Door Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4X, Type 4, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 4X, Type 4, Type 13 and Type 12
- Conforms to NEMA standard for Type 4X, Type 4, Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP66

Construction

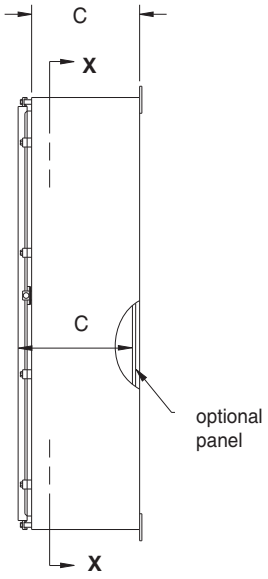
- Enclosure and door are fabricated from (14) gauge, Type 304 or Type 316L stainless steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty, stainless steel continuous hinge and pin on one side and easy-to-release stainless steel door clamps mounted to the other three sides
- Each door has a padlock hasp with sealing hole provision
- Print pocket provided
- Door has a fixed, oil and water-resistant gasket
- Ground stud provided on door
- Formed lip around enclosure opening diverts liquids and contaminants
- .375-16 collar studs are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

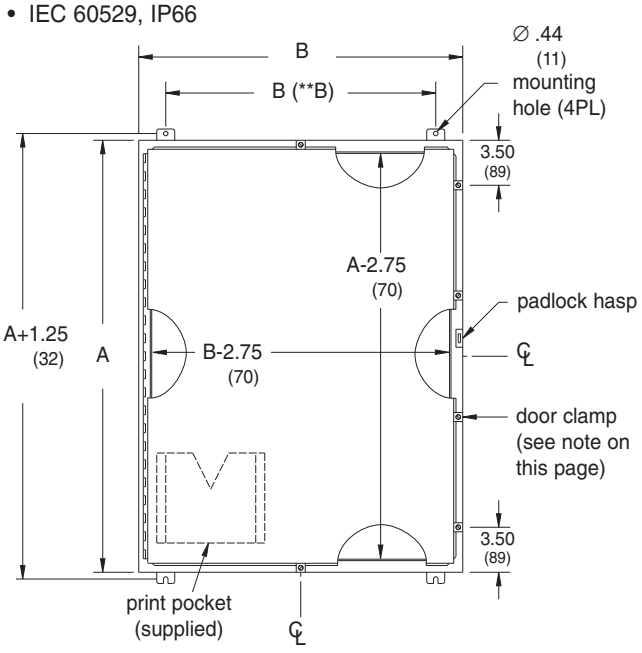
Finish

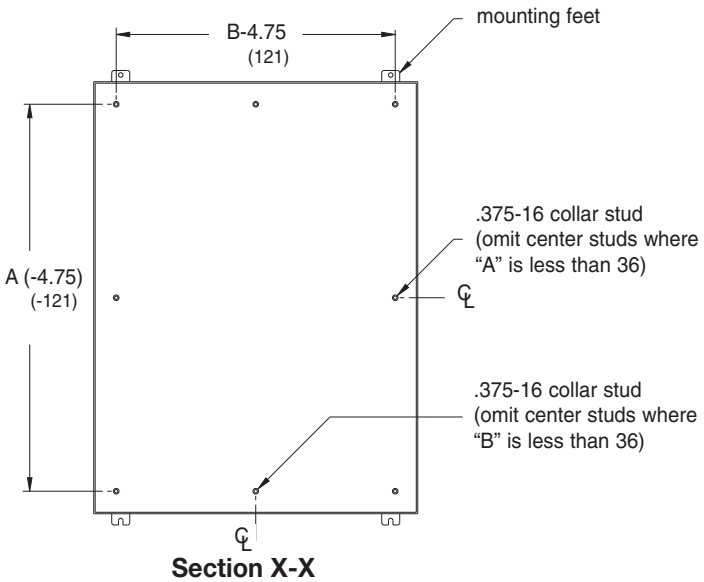
- Outer surface of enclosure and cover has a smooth brushed finish

Accessories

- Panels
- NEMA terminal strap kit
- Terminal blocks
- Floor stand kit
- See Accessories section







Section X-X

Notes: Dimensions: **B = (-2.50) if 12 inches wide; (-6.00) if wider than 12 inches.
Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4X Stainless Steel Single-Door Enclosures

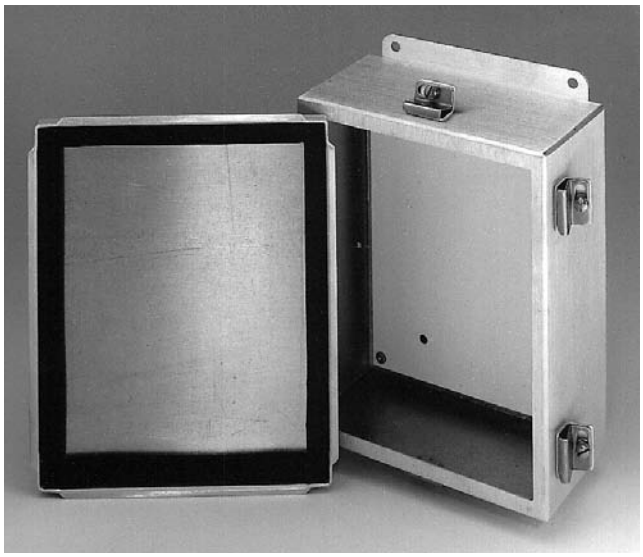
Catalog Number

Enclosure Catalog Number Stainless Steel		Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number		Panel Size Height x Width	
Type 304	Type 316L	in.	mm	Steel	Stainless	in.	mm
16126-4XS	16126-4XSS6	16.00x12.00x6.00	406x305x152	AW1612P	AW1612SP	13.00x9.00	330x229
16166-4XS	16166-4XSS6	16.00x16.00x6.00	406x406x152	AW1616P	AW1616SP	13.00x13.00	330x330
16206-4XS	16206-4XSS6	16.00x20.00x6.00	406x508x152	AW2016P	AW2016SP	17.00x13.00	432x330
20166-4XS	20166-4XSS6	20.00x16.00x6.00	208x406x152	AW2016P	AW2016SP	17.00x13.00	432x330
20206-4XS	20206-4XSS6	20.00x20.00x6.00	508x508x152	AW2020P	AW2020SP	17.00x17.00	432x432
24126-4XS	24126-4XSS6	24.00x12.00x6.00	610x305x152	AW2412P	AW2412SP	21.00x9.00	533x229
24166-4XS	24166-4XSS6	24.00x16.00x6.00	610x406x152	AW2416P	AW2416SP	21.00x13.00	533x330
24206-4XS	24206-4XSS6	24.00x20.00x6.00	610x508x152	AW2420P	AW2420SP	20.87x16.87	530x428
24246-4XS	24246-4XSS6	24.00x24.00x6.00	610x610x152	AW2424P	AW2424SP	20.87x20.87	530x530
30206-4XS	30206-4XSS6	30.00x20.00x6.00	762x610x152	AW3020P	AW3020SP	26.87x16.87	682x428
30246-4XS	30246-4XSS6	30.00x24.00x6.00	762x610x152	AW3024P	AW3024SP	26.87x20.87	682x530
36246-4XS	36246-4XSS6	36.00x24.00x6.00	914x610x152	AW3624P	AW3624SP	32.87x20.87	835x530
16128-4XS	16128-4XSS6	16.00x12.00x8.00	406x305x203	AW1612P	AW1612SP	13.00x9.00	330x229
20168-4XS	20168-4XSS6	20.00x16.00x8.00	508x406x203	AW2016P	AW2016SP	17.00x13.00	432x330
20208-4XS	20208-4XSS6	20.00x20.00x8.00	508x508x203	AW2020P	AW2020SP	17.00x17.00	432x432
20248-4XS	20248-4XSS6	20.00x24.00x8.00	508x610x203	AW2420P	AW2420SP	32.87x26.87	835x682
24168-4XS	24168-4XSS6	24.00x16.00x8.00	610x406x203	AW2416P	AW2416SP	21.00x13.00	533x330
24208-4XS	24208-4XSS6	24.00x20.00x8.00	610x508x203	AW2420P	AW2420SP	20.87x16.87	530x428
24248-4XS	24248-4XSS6	24.00x24.00x8.00	610x610x203	AW2424P	AW2424SP	20.87x20.87	530x530
24308-4XS	24308-4XSS6	24.00x30.00x8.00	610x762x203	AW3024P	AW3024SP	26.87x20.87	682x530
30208-4XS	30208-4XSS6	30.00x20.00x8.00	762x508x203	AW3020P	AW3020SP	26.87x16.87	682x428
30248-4XS	30248-4XSS6	30.00x24.00x8.00	762x610x203	AW3024P	AW3024SP	26.87x20.87	682x530
30308-4XS	30308-4XSS6	30.00x30.00x8.00	762x762x203	AW3030P	AW3030SP	26.87x26.87	682x682
36248-4XS	36248-4XSS6	36.00x24.00x8.00	914x610x203	AW3624P	AW3624SP	32.87x20.87	835x530
36308-4XS	36308-4XSS6	36.00x30.00x8.00	914x762x203	AW3630P	AW3630SP	32.87x26.87	835x682
42308-4XS	42308-4XSS6	42.00x30.00x8.00	1067x762x203	AW4230P	AW4230SP	38.87x26.87	987x682
42368-4XS	42368-4XSS6	42.00x36.00x8.00	1067x914x203	AW4236P	AW4236SP	38.87x32.87	987x835
48368-4XS	48368-4XSS6	48.00x36.00x8.00	1219x914x203	AW4836P	AW4836SP	44.87x32.87	1140x835
201610-4XS	201610-4XSS6	20.00x16.00x10.00	508x406x254	AW2016P	AW2016SP	17.00x13.00	432x330
242010-4XS	242010-4XSS6	24.00x20.00x10.00	610x508x254	AW2420P	AW2420SP	20.87x16.87	530x428
302410-4XS	302410-4XSS6	30.00x24.00x10.00	762x610x254	AW3024P	AW3024SP	26.87X20.87	682x530
362410-4XS	362410-4XSS6	36.00x24.00x10.00	914x610x254	AW3624P	AW3624SP	32.87x20.87	835x530
363010-4XS	363010-4XSS6	36.00x30.00x10.00	914x762x254	AW3630P	AW3630SP	32.87x26.87	835x682
423010-4XS	423010-4XSS6	42.00x30.00x10.00	1067x762x254	AW4230P	AW4230SP	38.87x26.87	987x682
483010-4XS	483010-4XSS6	48.00x30.00x10.00	1219x762x254	AW4830P	AW4830SP	44.87X26.87	1140x682
483610-4XS	483610-4XSS6	48.00x36.00x10.00	1219x914x254	AW4836P	AW4836SP	44.87X32.87	1140x835
603610-4XS	603610-4XSS6	60.00x36.00x10.00	1524x914x254	AW6036P	AW6036SP	56.87X32.87	1444x835
242412-4XS	242412-4XSS6	24.00x24.00x12.00	610x610x305	AW2424P	AW2424SP	20.87x20.87	530x530
302412-4XS	302412-4XSS6	30.00x24.00x12.00	762x610x305	AW3024P	AW3024SP	26.87x20.87	682x530
363012-4XS	363012-4XSS6	36.00x30.00x12.00	914x762x305	AW3630P	AW3630SP	32.87x26.87	835x682
363612-4XS	363612-4XSS6	36.00x36.00x12.00	914x914x305	AW3636P	AW3636SP	32.87X32.87	835x835
483612-4XS	483612-4XSS6	48.00x36.00x12.00	1219x914x305	AW4836P	AW4836SP	44.87x32.87	1140x835
603612-4XS	603612-4XSS6	60.00x36.00x12.00	1524x914x305	AW6036P	AW6036SP	56.87x32.87	1444x835
302416-4XS	302416-4XSS6	30.00x24.00x16.00	762x610x406	AW3024P	AW3024SP	26.87X20.87	682x530
362416-4XS	362416-4XSS6	36.00x24.00x16.00	914x610x406	AW3624P	AW3624SP	32.87x20.87	835x530
363016-4XS	363016-4XSS6	36.00x30.00x16.00	914x762x406	AW3630P	AW3630SP	32.87x26.87	835x682
483616-4XS	483616-4XSS6	48.00x36.00x16.00	1219x914x406	AW4836P	AW4836SP	44.87x32.87	1140x835
603616-4XS	603616-4XSS6	60.00x36.00x16.00	1524x914x406	AW6036P	AW6036SP	56.87X32.87	1444x835

Notes: Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Aluminum JIC Lift-Off Cover Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4X, Type 4, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 4X, Type 4, Type 13 and Type 12
- Conforms to NEMA standard for Type 4X, Type 4, Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP66

Construction

- Enclosure and cover are fabricated from (14) gauge, Type 5052-H32 aluminum
- All continuous welded seams are finished smooth
- Cover is secured to the body with easy-to-operate stainless steel screw clamps mounted on all four sides
- Each door has a print pocket and padlock hasp with sealing hole provision
- Cover has a fixed, oil and water-resistant gasket
- #10-32 weldnuts are provided for mounting optional panel on 6H x 4W and larger enclosures
- External mounting feet are provided for secure wall mounting

Finish

- Outer surface of enclosure and cover has a smooth brushed finish

Accessories

- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- See Accessories section

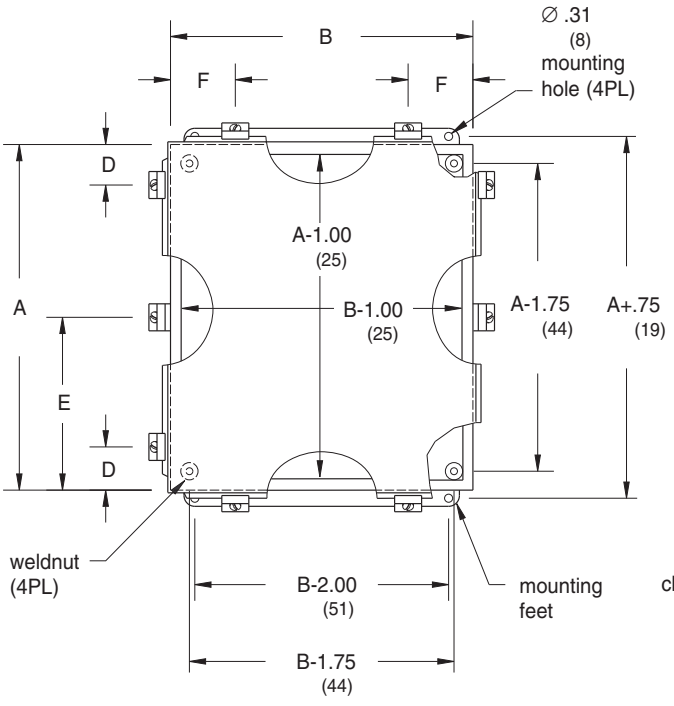
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

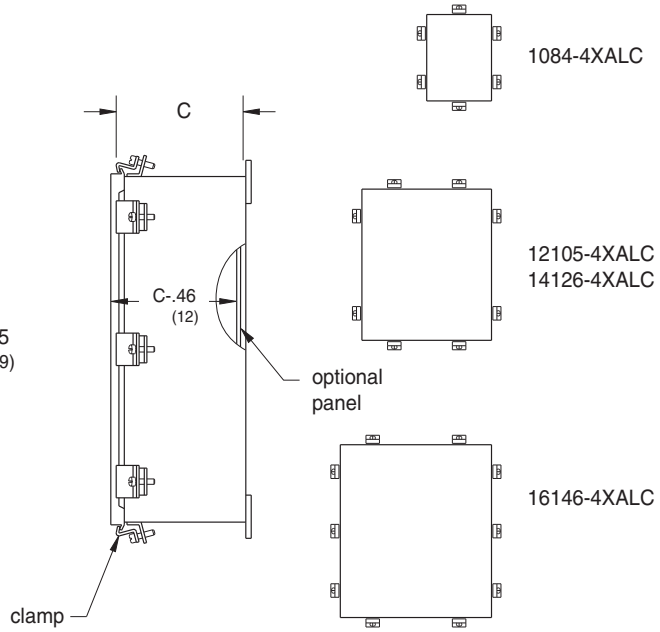
Type 4X Aluminum JIC Lift-Off Cover Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	D in.	D mm	E in.	E mm	F in.	F mm	Panel Catalog Number Steel	Panel Catalog Number Aluminum	Panel Size Height x Width in.	Panel Size mm
443-4XALC	4.00x4.00x3.00	102x102x76	2.00	51	-	-	2.00	51	-	-	-	-
643-4XALC	6.00x4.00x3.00	152x102x76	3.00	76	-	-	2.00	51	**AW64P**	**AW64AP**	4.87x2.87	124x73
664-4XALC	6.00x6.00x4.00	152x152x102	3.00	76	-	-	3.00	76	**AW66P**	**AW66AP**	4.87x4.87	124x124
864-4XALC	8.00x6.00x4.00	203x152x102	4.00	102	-	-	3.00	76	**AW86P**	**AW86AP**	6.87x4.87	174x124
884-4XALC	8.00x8.00x4.00	203x203x102	4.00	102	-	-	4.00	102	**AW88P**	**AW88AP**	6.87x6.87	174x174
1084-4XALC	10.00x8.00x4.00	254x203x102	2.00	51	-	-	4.00	102	**AW108P**	**AW108AP**	8.87x6.87	225x174
12105-4XALC	12.00x10.00x5.00	305x254x127	3.00	76	-	-	2.00	51	**AW1210P**	**AW1210AP**	10.87x8.87	276x225
14126-4XALC	14.00x12.00x6.00	356x305x152	3.00	76	-	-	3.00	76	**AW1412P**	**AW1412AP**	12.87x10.87	327x276
16146-4XALC	16.00x14.00x6.00	406x356x152	2.00	51	8.00	203	3.00	76	**AW1614P**	**AW1614AP**	14.87x12.87	378x327

443-4XALC
643-4XALC
664-4XALC
864-4XALC
884-4XALC



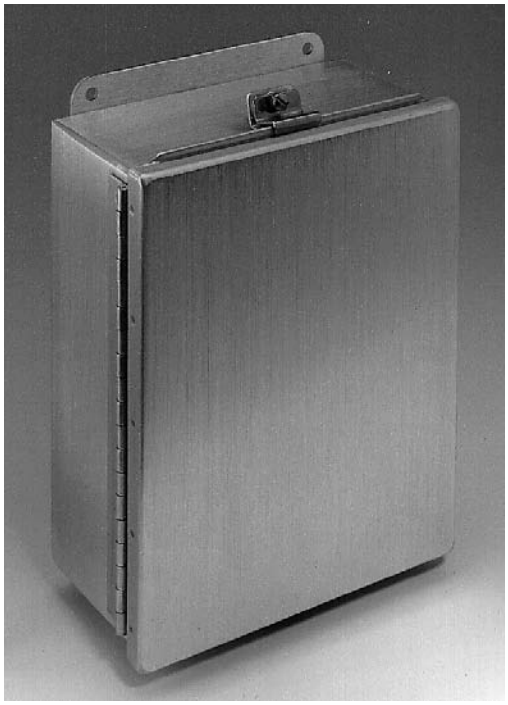


Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Aluminum JIC Continuous Hinge Cover Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4X, Type 4, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 4X, Type 4, Type 13 and Type 12
- Conforms to NEMA standard for Type 4X, Type 4, Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP66

Construction

- Enclosure and cover are fabricated from (14) gauge, Type 5052-H32 aluminum
- All continuous welded seams are finished smooth
- Cover is secured to the body with an aluminum continuous hinge and pin on one side and easy-to-operate stainless steel screw clamps mounted to the opposite side
- Cover has a fixed, oil and water-resistant gasket
- #10-32 weldnuts are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Outer surface of enclosure and cover has a smooth brushed finish

Accessories

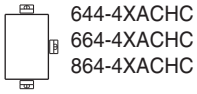
- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- See Accessories section

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

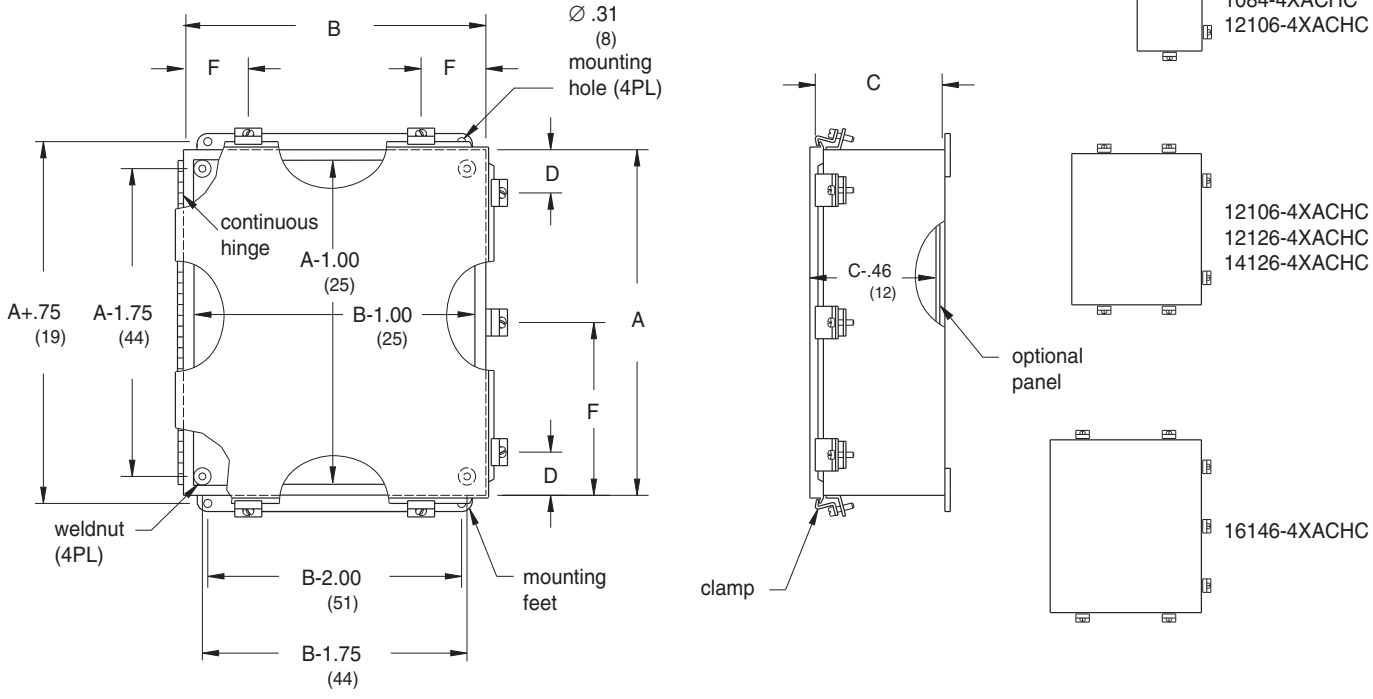
Type 4X Aluminum JIC Continuous Hinge Cover Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	D in.	D mm	E in.	E mm	F in.	F mm	Panel Catalog Number Steel	Panel Catalog Number Aluminum	Panel Size Height x Width in.	Panel Size mm
644-4XACHC	6.00x4.00x4.00	152x102x102	3.00	76	-	-	2.00	51	**AW64P**	**AW64AP**	4.87x2.87	124x73
664-4XACHC	6.00x6.00x4.00	152x152x102	3.00	76	-	-	3.00	76	**AW66P**	**AW66AP**	4.87x4.87	124x124
864-4XACHC	8.00x6.00x4.00	203x152x102	4.00	102	-	-	3.00	76	**AW86P**	**AW86AP**	6.87x4.87	174x124
1084-4XACHC	10.00x8.00x4.00	254x203x102	2.00	51	-	-	4.00	102	**AW108P**	**AW108AP**	8.87x6.87	225x174
12106-4XACHC	12.00x10.00x6.00	305x254x152	3.00	76	-	-	2.00	51	**AW1210P**	**AW1210AP**	10.87x8.87	276x225
12126-4XACHC	12.00x12.00x6.00	305x305x152	3.00	76	-	-	3.00	76	**AW1212P**	**AW1212AP**	10.87x10.87	276x276
14126-4XACHC	14.00x12.00x6.00	356x305x152	3.00	76	-	-	3.00	76	**AW1412P**	**AW1412AP**	12.87x10.87	327x276
16146-4XACHC	16.00x14.00x6.00	406x356x152	2.00	51	8.00	203	3.00	76	**AW1614P**	**AW1614AP**	14.87x12.87	378x327



644-4XACHC
664-4XACHC
864-4XACHC

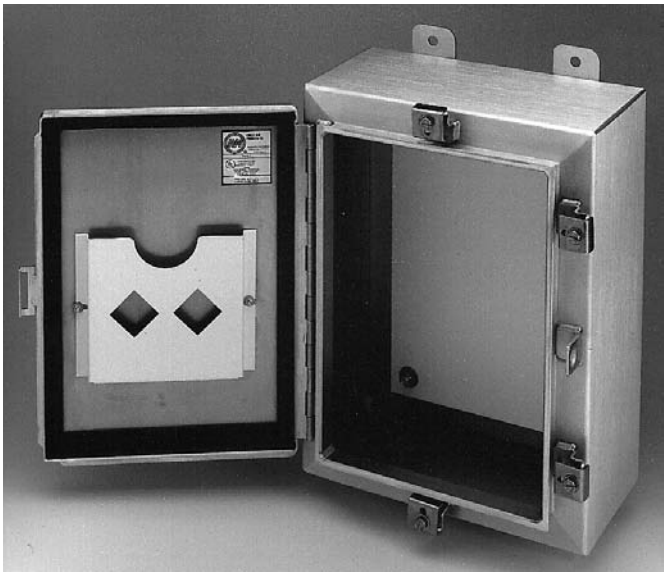


Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Aluminum Single-Door Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Construction

- Enclosure and door are fabricated from (14) gauge, Type 5052-H32 aluminum
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty, aluminum continuous hinge and pin on one side and easy-to-operate stainless steel door clamps mounted to the other three sides
- Each door has a padlock hasp with sealing hole provision
- Print pocket provided
- Door has a fixed, oil and water-resistant gasket
- Formed lip around enclosure opening diverts liquids and contaminants
- .375-16 collar studs are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Outer surface of enclosure and cover has a smooth brushed finish

Standards

- UL 508 listed, Type 4X, Type 4, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 4X, Type 4, Type 13 and Type 12
- Conforms to NEMA standard for Type 4X, Type 4, Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP66

Accessories

- Panels
- NEMA terminal strap kit
- Terminal blocks
- Floor stand kit
- See Accessories section

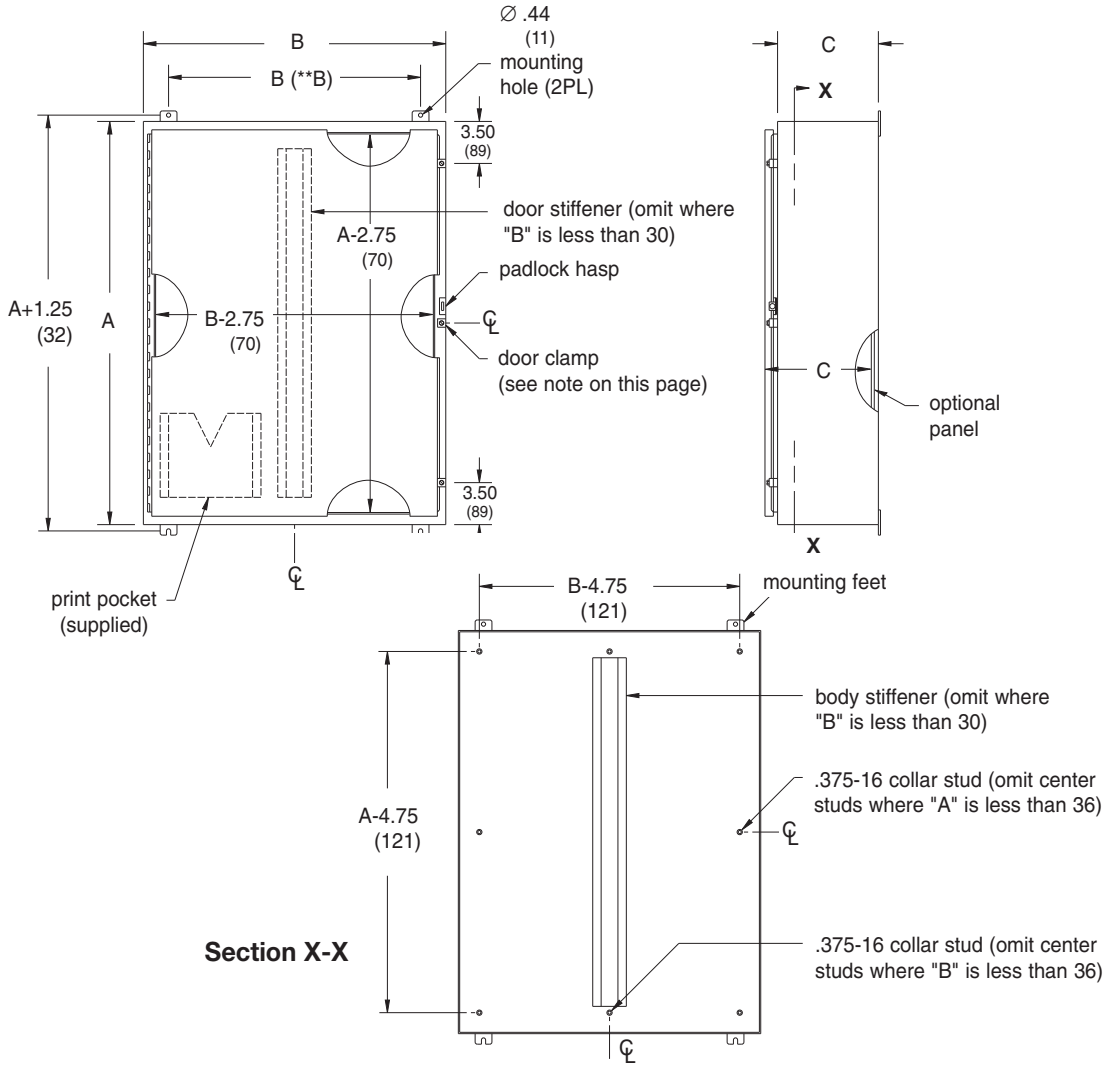
Enclosure	Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number		Panel Size Height x Width	
Catalog Number	in.	mm	Steel	Aluminum	in.	mm
16126-4XA	16.00x12.00x6.00	406x305x152	**AW1612P**	**AW1612AP**	13.00x9.00	330x229
16166-4XA	16.00x16.00x6.00	406x406x152	**AW1616P**	**AW1616AP**	13.00x13.00	330x330
20166-4XA	20.00x16.00x6.00	508x406x152	**AW2016P**	**AW2016AP**	17.00x13.00	432x330
20206-4XA	20.00x20.00x6.00	508x508x152	**AW2020P**	**AW2020AP**	17.00x17.00	432x432
24206-4XA	24.00x20.00x6.00	610x508x152	**AW2420P**	**AW2420AP**	20.87x16.87	530x428
16128-4XA	16.00x12.00x8.00	406x305x203	**AW1612P**	**AW1612AP**	13.00x9.00	330x229
20168-4XA	20.00x16.00x8.00	508x406x203	**AW2016P**	**AW2016AP**	17.00x13.00	432x330
24168-4XA	24.00x16.00x8.00	610x406x203	**AW2416P**	**AW2416AP**	21.00x13.00	533x330
24208-4XA	24.00x20.00x8.00	610x508x203	**AW2420P**	**AW2420AP**	20.87x16.87	530x428
24248-4XA	24.00x24.00x8.00	610x610x203	**AW2424P**	**AW2424AP**	20.87x20.87	530x530
24308-4XA	24.00x30.00x8.00	610x762x203	**AW3024P**	**AW3024AP**	26.87x20.87	682x530
30208-4XA	30.00x20.00x8.00	762x508x203	**AW3020P**	**AW3020AP**	26.87x16.87	682x428
30248-4XA	30.00x24.00x8.00	762x610x203	**AW3024P**	**AW3024AP**	26.87x20.87	682x530
30308-4XA	30.00x30.00x8.00	762x762x203	**AW3030P**	**AW3030AP**	26.87x26.87	682x682
36248-4XA	36.00x24.00x8.00	914x610x203	**AW3624P**	**AW3624AP**	32.87x20.87	835x530
36308-4XA	36.00x30.00x8.00	914x762x203	**AW3630P**	**AW3630AP**	32.87x26.87	835x682
42368-4XA	42.00x36.00x8.00	1067x914x203	**AW4236P**	**AW4236AP**	38.87x32.87	987x835
48368-4XA	48.00x36.00x8.00	1219x914x203	**AW4836P**	**AW4836AP**	44.87x32.87	1140x835

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4X Aluminum Single-Door Enclosures

Catalog Number

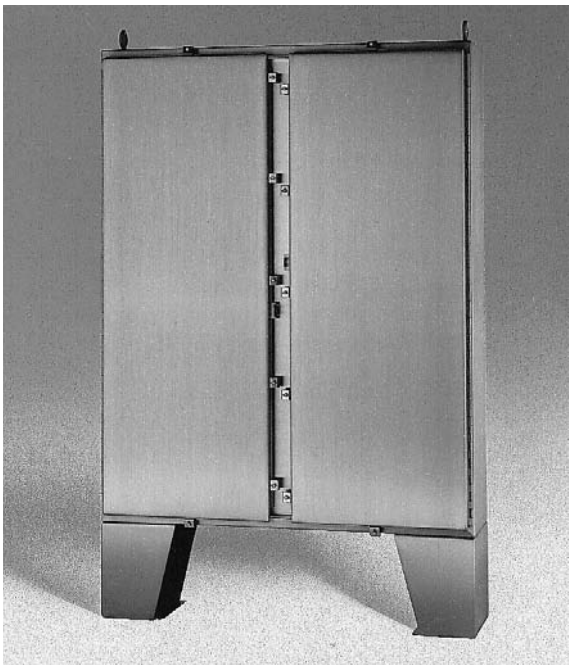
Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Panel Catalog Number Steel	Aluminum	Panel Size Height x Width in.	mm
201610-4XA	20.00x16.00x10.00	508x406x254	**AW2016P**	**AW2016AP**	17.00x13.00	432x330
242010-4XA	24.00x20.00x10.00	610x508x254	**AW2420P**	**AW2420AP**	20.87x16.87	530x428
362410-4XA	36.00x24.00x10.00	914x610x254	**AW3624P**	**AW3624AP**	32.87x20.87	835x530
363010-4XA	36.00x30.00x10.00	914x762x254	**AW3630P**	**AW3630AP**	32.87x26.87	835x682
423010-4XA	42.00x30.00x10.00	1067x762x254	**AW4230P**	**AW4230AP**	38.87x26.87	987x682
242412-4XA	24.00x24.00x12.00	610x610x305	**AW2424P**	**AW2424AP**	20.87x20.87	530x530
302412-4XA	30.00x24.00x12.00	762x610x305	**AW3024P**	**AW3024AP**	26.87x20.87	682x530
363012-4XA	36.00x30.00x12.00	914x762x305	**AW3630P**	**AW3630AP**	32.87x26.87	835x682
483612-4XA	48.00x36.00x12.00	1219x914x305	**AW4836P**	**AW4836AP**	44.87x32.87	1140x835
603612-4XA	60.00x36.00x12.00	1524x914x305	**AW6036P**	**AW6036AP**	56.87x32.87	1444x835
362416-4XA	36.00x24.00x16.00	914x610x406	**AW3624P**	**AW3624AP**	32.87x20.87	835x530
363016-4XA	36.00x30.00x16.00	914x762x406	**AW3630P**	**AW3630AP**	32.87x26.87	835x682
483616-4XA	48.00x36.00x16.00	1219x914x406	**AW4836P**	**AW4836AP**	44.87x32.87	1140x835



Notes: Dimensions: **B = (-2.50) if 12 inches wide; (-6.00) if wider than 12 inches. Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Stainless Steel Double-Door Floor-Standing Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4X, Type 4, and Type 12
- CSA C22.2 No.94 certified, Type 4X, Type 4, and Type 12
- Conforms to NEMA standard for Type 4X, Type 4, and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP66

Construction

- Enclosure and door are fabricated from (12) gauge, Type 304 or Type 316L stainless steel
- All continuous welded seams are finished smooth
- Each door is secured to the body with a heavy-duty, stainless steel continuous hinge and pin on one side and easy-to-release stainless steel door clamps mounted to the other three sides
- Print pocket provided
- Each door has a padlock hasp with sealing hole provision
- Doors have a fixed, oil and water-resistant gasket
- Ground stud provided on door
- Removable center post for complete front access
- Heavy gauge angle supports and .375-16 collar studs are provided for mounting optional panel
- Large lifting eyebolts are supplied
- Mounting legs are provided for floor mounting

Finish

- Outer surface of enclosure and cover has a smooth brushed finish

Accessories

- Panels
- Leg stabilizer kit
- See Accessories section

Enclosure Catalog Number Stainless Steel		Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number		Panel Size Height x Width	
Type 304	Type 316L	in.	mm	Steel	Stainless	in.	mm
624810-4XSFD	624810-4XSS6FD	62.00x48.00x10.00	1575x1219x254	AW6048P	AW6048SP	55.87x43.87	1419x1114
624812-4XSFD	624812-4XSS6FD	62.00x48.00x12.00	1575x1219x305	AW6048P	AW6048SP	55.87x43.87	1419x1114
626012-4XSFD	626012-4XSS6FD	62.00x60.00x12.00	1575x1524x305	AW6060P	AW6060SP	55.87x55.87	1419x1419
746012-4XSFD	746012-4XSS6FD	74.00x60.00x12.00	1880x1524x305	AW7260P	AW7260SP	67.87x55.87	1724x1419
747212-4XSFD	747212-4XSS6FD	74.00x72.00x12.00	1880x1829x305	AW7272P	AW7272SP	67.87x67.87	1724x1724
747224-4XSFD	747224-4XSS6FD	74.00x72.00x24.00	1880x1829x610	AW7272P	AW7272SP	67.87x67.87	1724x1724

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4X Aluminum Double-Door Floor-Standing Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4X, Type 4, and Type 12
- CSA C22.2 No.94 certified, Type 4X, Type 4, and Type 12
- Conforms to NEMA standard for Type 4X, Type 4, and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP66

Construction

- Enclosure and door are fabricated from (.125) thick, Type 5052-H32 aluminum
- All continuous welded seams are finished smooth
- Each door is secured to the body with a heavy-duty, aluminum continuous hinge and pin on one side and easy-to-release stainless steel door clamps mounted to the other three sides
- Print pocket provided
- Each door has a padlock hasp with sealing hole provision
- Doors have a fixed, oil and water-resistant gasket
- Removable center post for complete front access
- Heavy gauge angle supports and .375-16 collar studs are provided for mounting optional panel
- Large lifting eyebolts are supplied
- Stainless steel mounting legs furnished for floor mounting (unassembled)

Finish

- Outer surface of enclosure and cover has a smooth brushed finish

Accessories

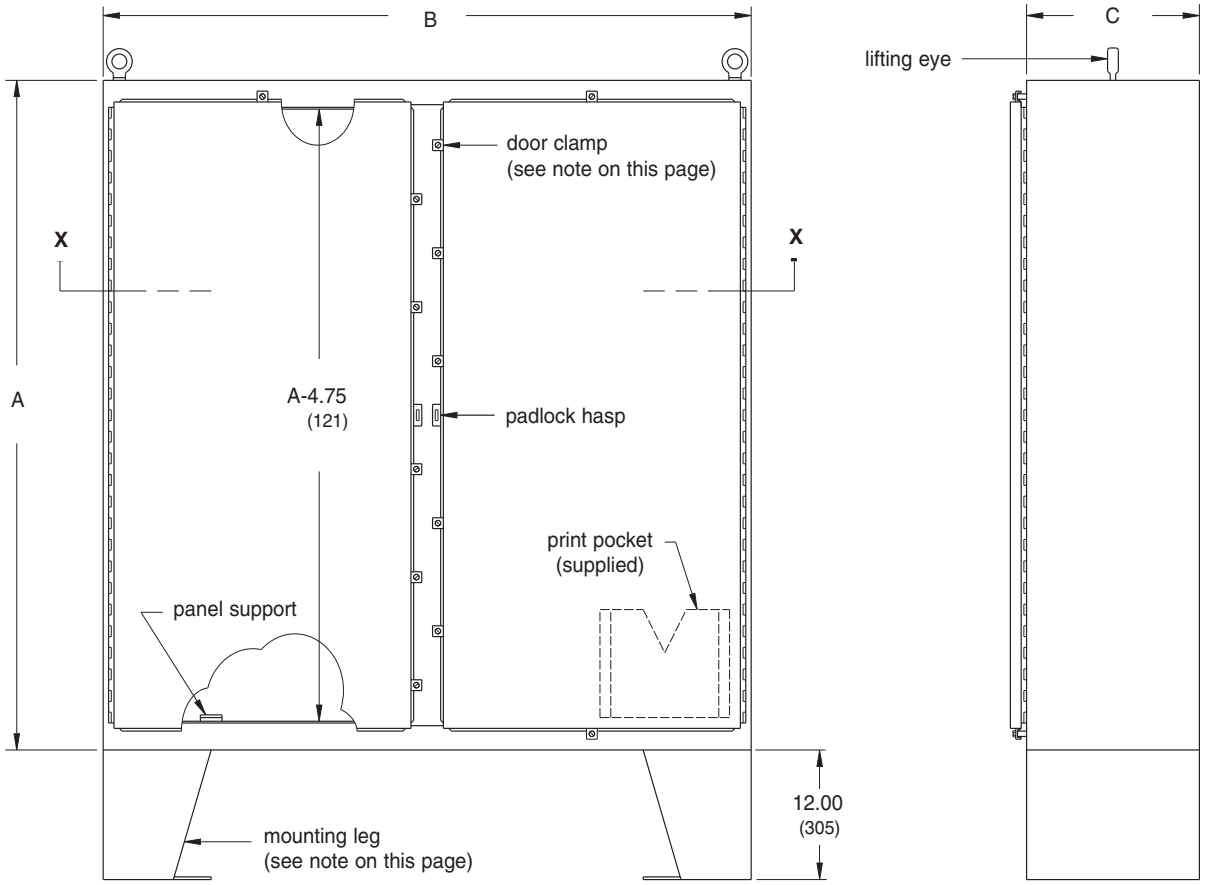
- Panels
- Leg stabilizer kit
- See Accessories section

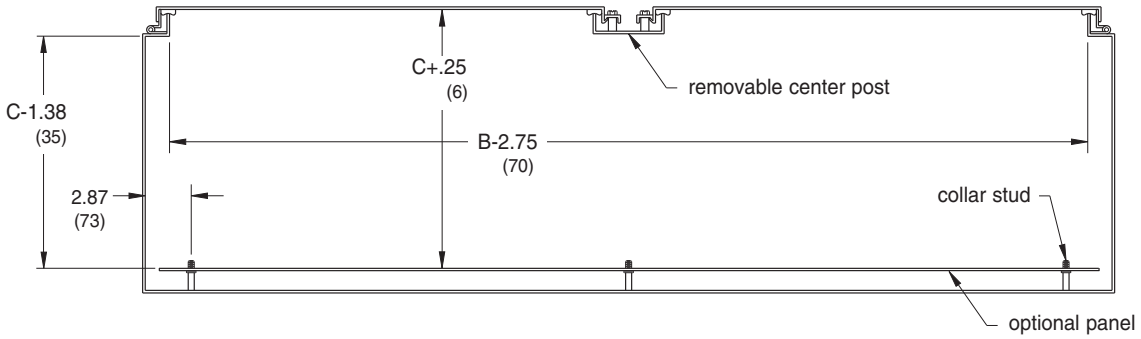
Enclosure	Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number		Panel Size Height x Width	
Catalog Number	in.	mm	Steel	Aluminum	in.	mm
624810-4XAFD	62.00x48.00x10.00	1575x1219x254	**AW6048P**	**AW6048AP**	55.87x43.87	1419x1114
624812-4XAFD	62.00x48.00x12.00	1575x1219x305	**AW6048P**	**AW6048AP**	55.87x43.87	1419x1114
626012-4XAFD	62.00x60.00x12.00	1575x1524x305	**AW6060P**	**AW6060AP**	55.87x55.87	1419x1419
746012-4XAFD	74.00x60.00x12.00	1880x1524x305	**AW7260P**	**AW7260AP**	67.87x55.87	1724x1419
747212-4XAFD	74.00x72.00x12.00	1880x1829x305	**AW7272P**	**AW7272AP**	67.87x67.87	1724x1724
747224-4XAFD	74.00x72.00x24.00	1880x1829x610	**AW7272P**	**AW7272AP**	67.87x67.87	1724x1724

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4X Double-Door Floor-Standing Enclosures

Illustration Sheet





Section X-X
(enlarged)

Notes: Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches. Four lifting eyes are furnished when C dimension is 24. Mounting legs shipped unassembled on aluminum enclosures. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Stainless Steel Free-Standing Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Easy access fixed or swing panels for mounting optional equipment
- Intended for indoor or outdoor use
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4X, Type 4 and Type 12
- CSA C22.2 No.94 certified, Type 4X, Type 4 and Type 12
- Conforms to NEMA standard for Type 4 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP66

Construction

- Enclosure and door are fabricated from (12) gauge, Type 304 or Type 316L stainless steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty, stainless steel continuous hinge on one side and easy-to-release stainless steel door clamps mounted to the other three sides
- Door has a fixed oil and water-resistant gasket
- Ground stud provided on door
- Each door has a padlock hasp with sealing hole provision
- Print pocket provided
- Large lifting eyebolts are supplied
- Mounting channels are welded inside for locating panels along enclosure depth
- **A variety of optional panels and accessories are available (see accessories pages 199-201)**

Finish

- Outer surface of enclosure and cover has a smooth brushed finish

Accessories

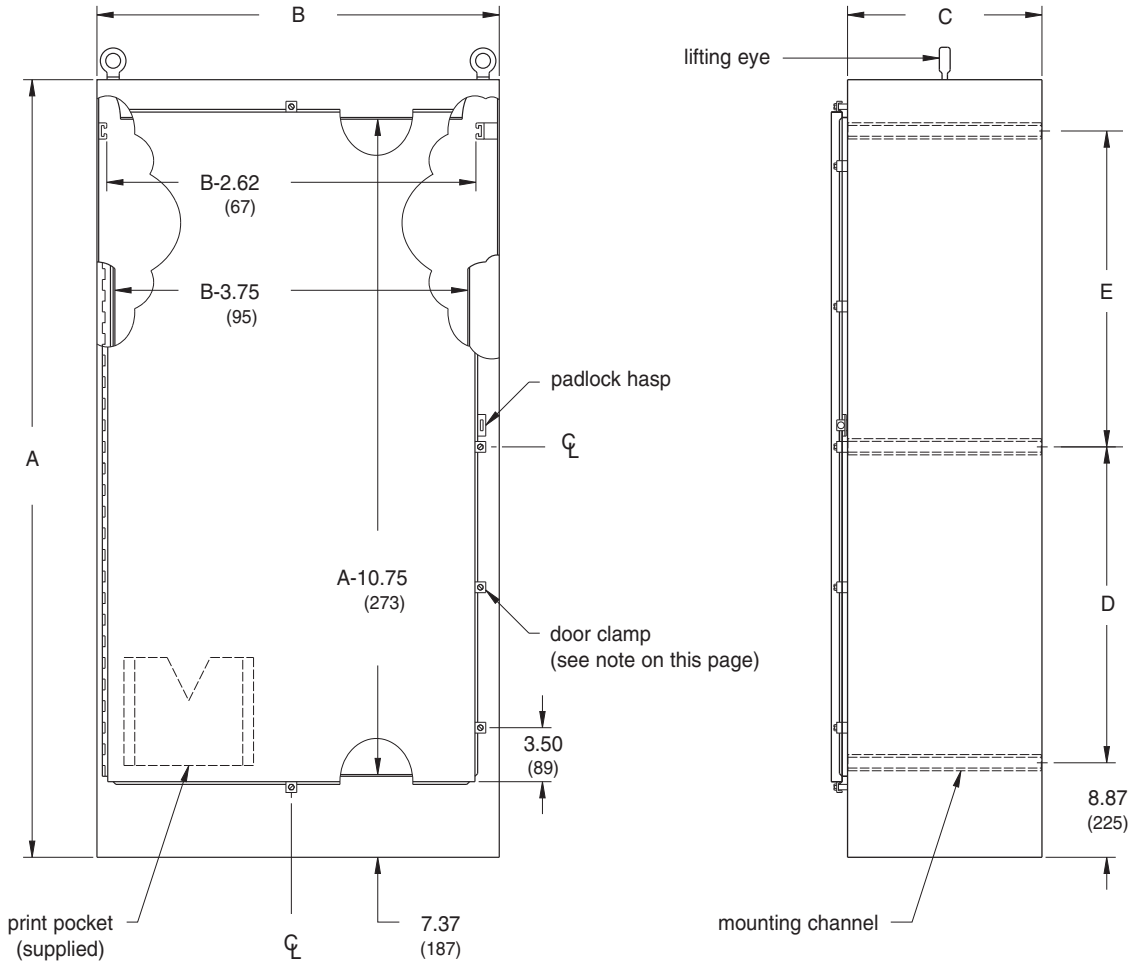
- Full and half panels
- Side panels
- Swing panels
- Channel mounting hardware
- Touch-up paint
- See Accessories section

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4X Stainless Steel Free-Standing Enclosures

Catalog Number

Enclosure Catalog Number		Enclosure Size Height x Width x Depth A x B x C		D		E	
Type 304	Type 316L	in.	mm	in.	mm	in.	mm
722518-4XSFS	722518-4XSS6FS	72.00x25.00x18.00	1829x635x457	29.12	740	29.12	740
723118-4XSFS	723118-4XSS6FS	72.00x31.00x18.00	1829x787x457	29.12	740	29.12	740
723718-4XSFS	723718-4XSS6FS	72.00x37.00x18.00	1829x940x457	29.12	740	29.12	740
722524-4XSFS	722524-4XSS6FS	72.00x25.00x24.00	1829x635x610	29.12	740	29.12	740
723124-4XSFS	723124-4XSS6FS	72.00x31.00x24.00	1829x787x610	29.12	740	29.12	740
723724-4XSFS	723724-4XSS6FS	72.00x37.00x24.00	1829x940x610	29.12	740	29.12	740

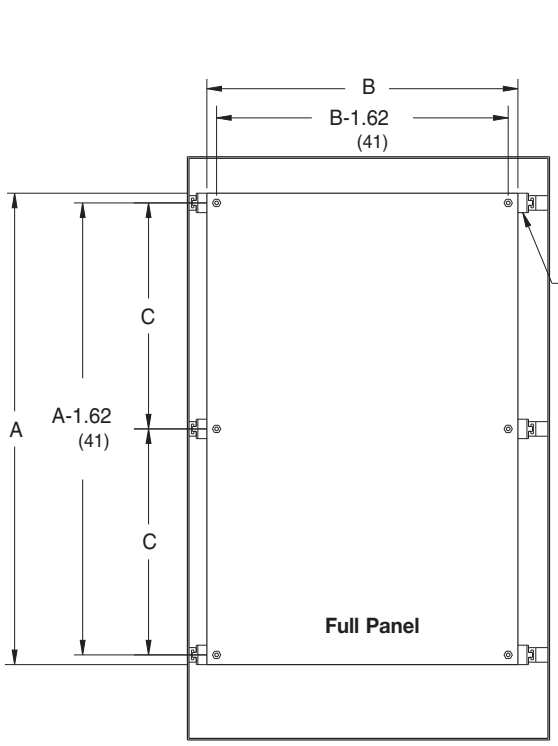


Notes: Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

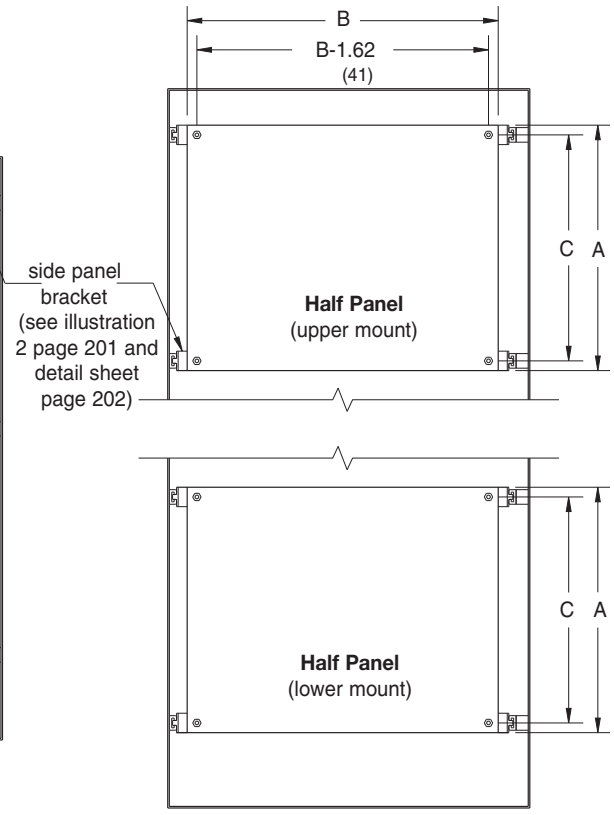
Type 4X Stainless Steel Free-Standing Enclosures
Full and Half Panel Accessories
Catalog Number

Full Panel						
Panel Catalog Number	Panel Size Height x Width A x B in.	mm	C in	mm	Fits Enclosure Height x Width in.	mm
AF7224P	59.87x19.87	1521x505	29.12	740	72.00x25.00	1829x635
AF7230P	59.87x25.87	1521x657	29.12	740	72.00x31.00	1829x787
AF7236P	59.87x31.87	1521x809	29.12	740	72.00x37.00	1829x940

Half Panel						
Panel Catalog Number	Panel Size Height x Width A x B in.	mm	C in	mm	Fits Enclosure Height x Width in.	mm
AF7224HP	30.75x19.87	781x505	29.12	740	72.00x25.00	1829x635
AF7230HP	30.75x25.87	781x657	29.12	740	72.00x31.00	1829x767
AF7236HP	30.75x31.87	781x809	29.12	740	72.00x37.00	1829x940



Full Panel Mounting



Half Panel Mounting

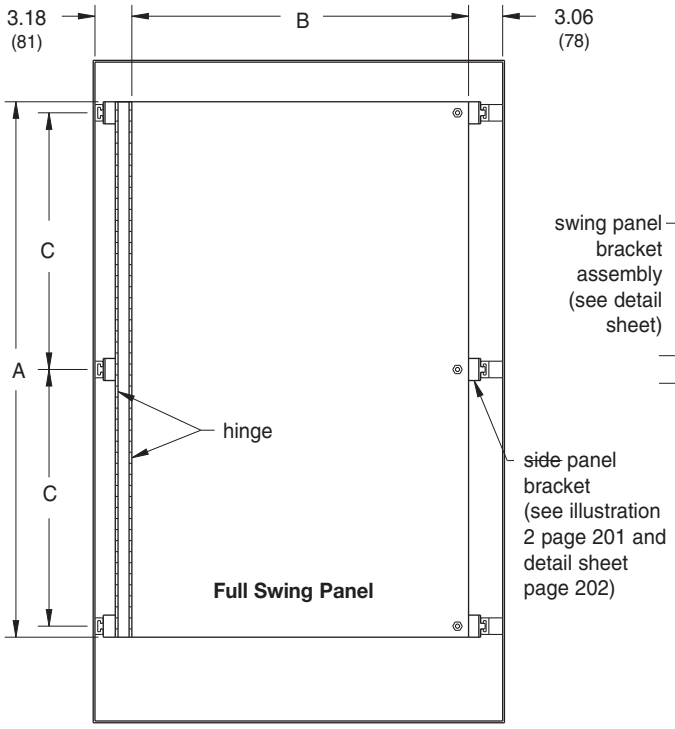
Note: Full Panel and Half Panel for Free-Standing Enclosures are (12) gauge steel with a white polyester powder finish and furnished with Panel Brackets and all hardware necessary for channel and panel mounting. Half Panels can be mounted in either the upper or lower portion of the enclosure. Free-Standing design permits the panel to adjust along the depth of the enclosure.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

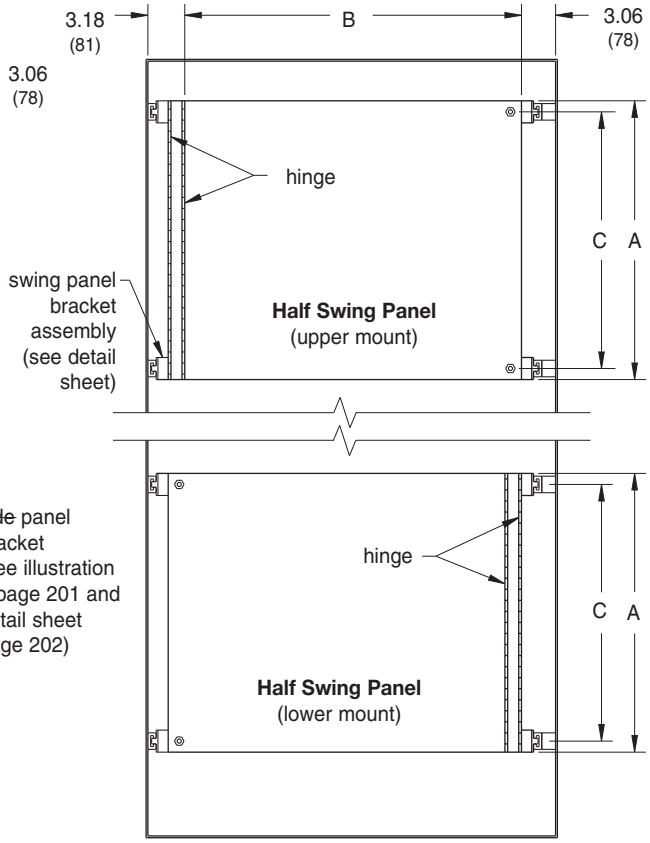
Type 4X Stainless Steel Free-Standing Enclosures
Full and Half Swing Panel Accessories
Catalog Number

Full Swing Panel						
Panel	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
Catalog Number	in.	mm	in	mm	in.	mm
AF7224SWP	59.87x18.75	1521x476	29.12	740	72.00x25.00	1829x635
AF7230SWP	59.87x24.75	1521x629	29.12	740	72.00x31.00	1829x787
AF7236SWP	59.87x30.75	1521x781	29.12	740	72.00x37.00	1829x940

Half Swing Panel						
Panel	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
Catalog Number	in.	mm	in	mm	in.	mm
AF7224HSWP	30.75x18.75	781x476	29.12	740	72.00x25.00	1829x635
AF7230HSWP	30.75x24.75	781x629	29.12	740	72.00x31.00	1829x787
AF7236HSWP	30.75x30.75	781x781	29.12	740	72.00x37.00	1829x940



Full Swing Panel Mounting



Half Swing Panel Mounting

Note: Full Swing Panel and Half Swing Panel for Free-Standing Enclosures are (12) gauge steel with a white polyester powder finish, have a dual hinge swing panel bracket, and furnished with Panel Brackets and all hardware necessary for channel and panel mounting. Panels can be installed so they hinge either on the left or the right side. Half Panels can be mounted in either the upper or lower portion of the enclosure. Free-Standing design permits the panel to adjust along the depth of the enclosure. The dual hinge will allow the inner panel to swing completely out of the door opening when within 5.50 inches of the front.

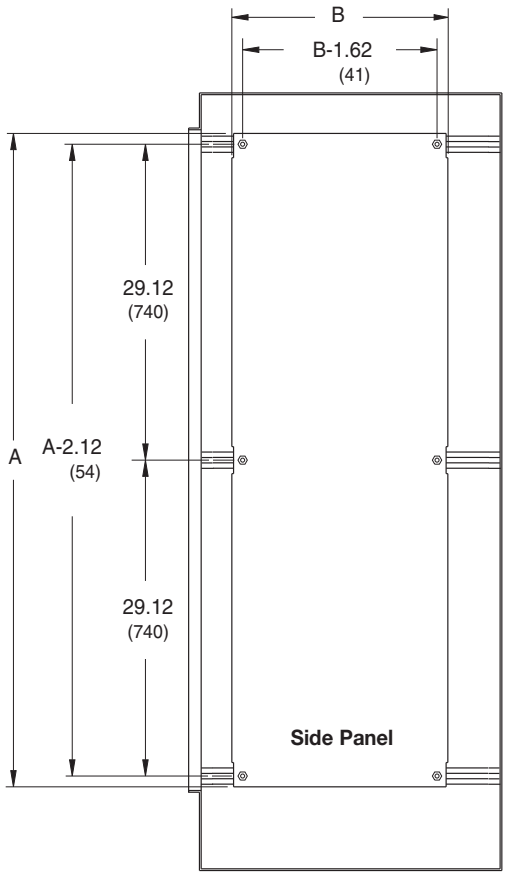
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Stainless Steel Free-Standing Enclosures
Side Panel and Miscellaneous Accessories
Catalog Number

Side Panel				
Panel Catalog Number	Panel Size Height x Width A x B in.	mm	Fits Enclosure Height x Width in.	mm
AF7218SP*	60.37x13.87	1533x352	72.00x18.00	1829x457

* Back panel may restrict the movement of the side panel.

Miscellaneous Accessories			
Catalog Number	Description	Illustration	Quantity
AFCMH3	Channel mounting hardware	1	3
AFSBRKT1	Panel mounting side bracket	2	1



Side Panel Mounting

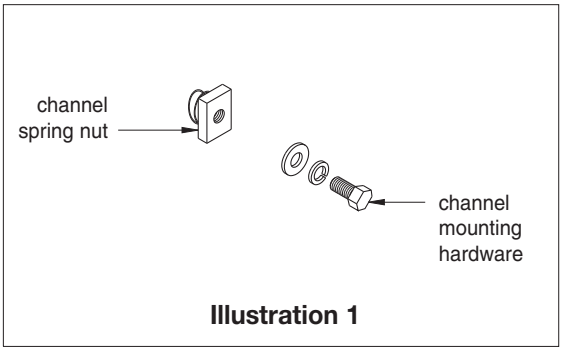


Illustration 1

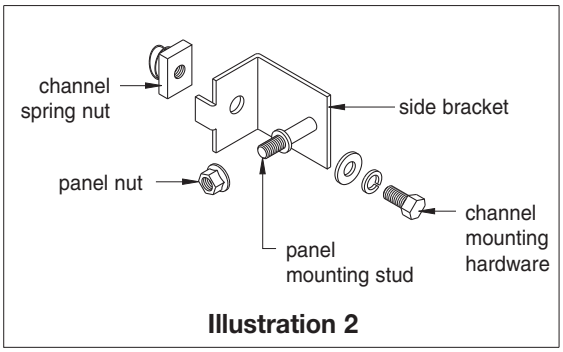
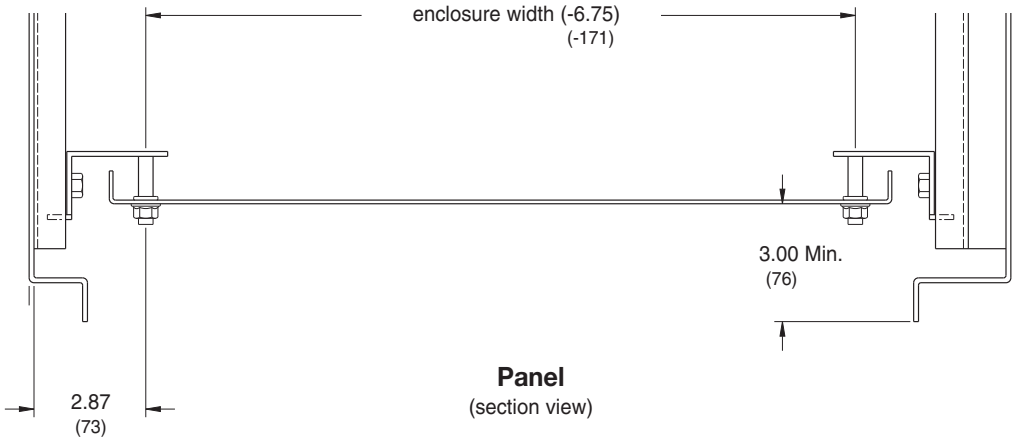


Illustration 2

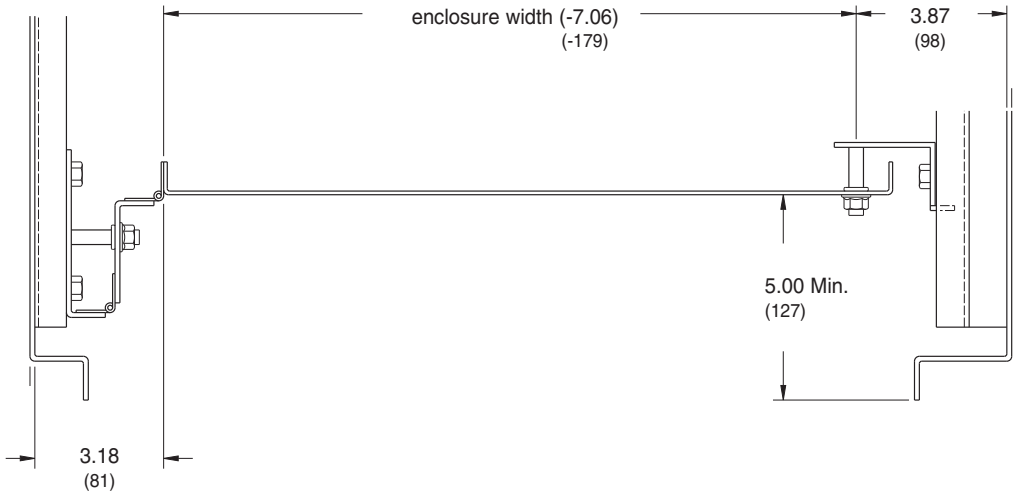
Note: Side Panels are (12) gauge steel with a white polyester powder finish and furnished with hardware necessary for channel mounting. They will fit any width enclosure and are adjustable along its depth. However, when Full or Half Panels are installed, movement will be restricted.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Stainless Steel Free-Standing Enclosures
Panel and Enclosure Detail
Detail Sheet



Panel
(section view)



Swing Panel
(section view)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

TYPE 12, 3R, 4, 4X ENVIRO SHIELD ENCLOSURES

Enviro Shield Free Standing Enclosures ... 204
Free Standing Accessories ... 206
Rack Mounting Angles ... 211
Frames & Fasteners ... 212
Floor Stand Kits ... 213

Enviro Shield Free-Standing Enclosures

Data Sheet

Application

- Houses electrical controls and electrical instruments in harsh environments
- Provides quick and easy access indoors and out
- Protects against circulating dust, falling dirt, dripping noncorrosive liquids, rain, sleet, ice, splashing and hose directed water

Standards

- UL 508 listed, Type 12, Type 3R, Type 4, Type 4X
- Conforms to NEMA standard for Type 12, Type 3R, Type 4, Type 4X
- NSF Criteria C-2
- IEC 60529, IP66

Construction

- Enclosure and door are fabricated from (12) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty concealed lift-off hinge and a 3-pt vault handle locking mechanism on each door
- Removable center post
- Doors have a fixed, oil-resistant gasket
- Ground stud provided on doors and bodies
- Print pocket provided
- Large lifting eyes are integrated with sides of enclosure
- Mounting channels are welded inside for locating panels along enclosure depth, as well as mounting studs for fixed panels
- Swing panels, single full and single half panels can be installed in double-door enclosures when the center post is used
- **A variety of optional panels and accessories are available, (see pages 206 - 213)**

Finish

- Type 4 enclosures have a washed and phosphate undercoat with ANSI 61 gray polyester powder inside and out
- Type 4X enclosures are 304 or 316 stainless steel with a smooth brushed finish

Accessories

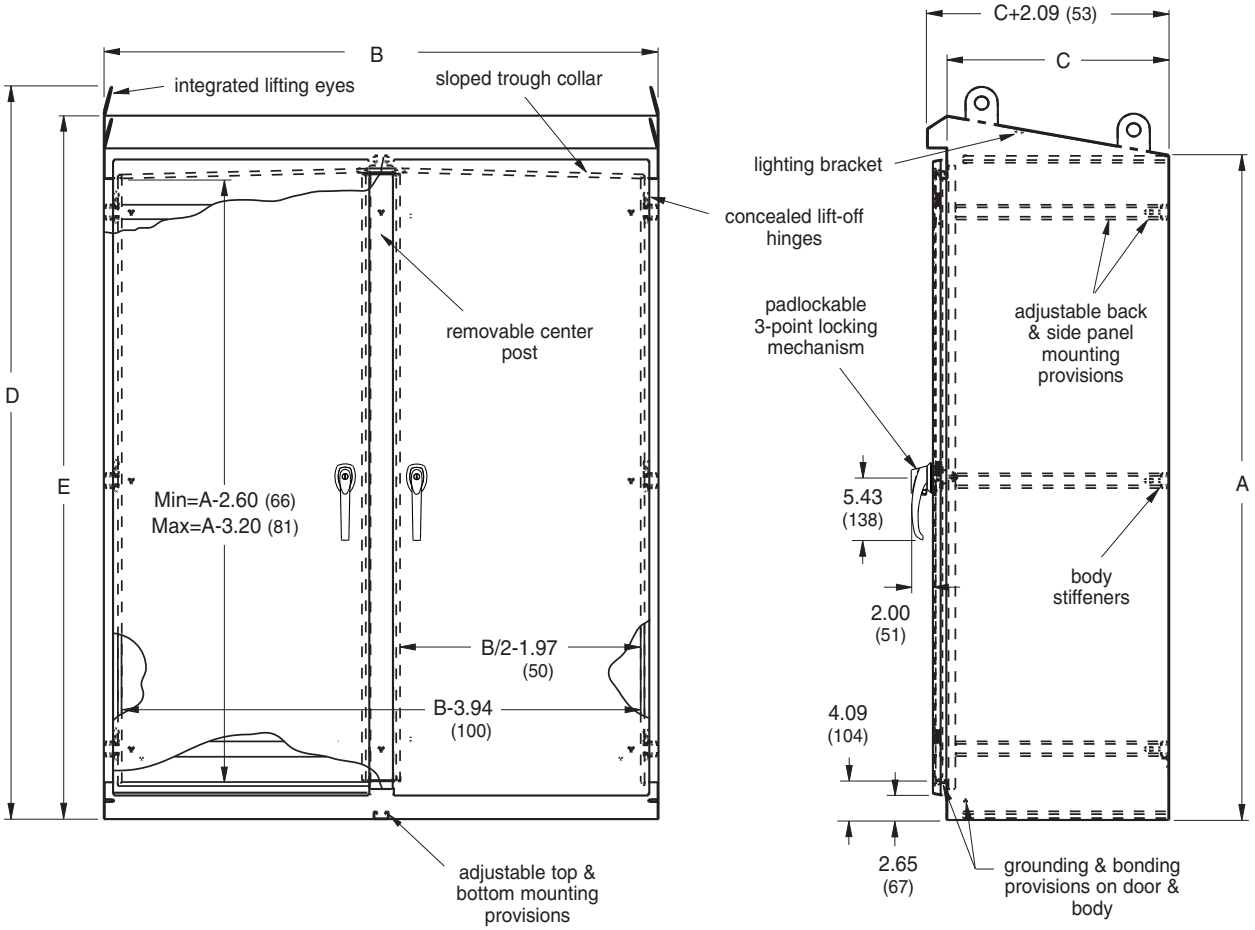
- Full and half panels
- Side panels
- Swing panels
- Center post
- Channel mounting hardware
- Touch-up paint
- Climate control
- Mounting legs
- Rack mounting angles
- Swing out mounting frames
- See Accessories section
- *See page 364 for new handle design:*
  (00011187 B - Stainless Steel, Type 4X)
  (00011184 A - ANSI 61 Gray, Type 4)

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Enviro Shield Free-Standing Enclosures

Catalog Number

Enclosure Catalog Number			Enclosure Size Height x Width x Depth A x B x C		D		E	
ANSI 61 Gray Carbon Steel	Type 304 Stainless Steel	Type 316L Stainless Steel	in.	mm	in.	mm	in.	mm
ES-604812-4	ES-604812-4XS	ES-604812-4XSS6	60.00 x 48.00 x 12.00	1524 x 1219 x 305	65.98	1676	64.23	1631
ES-604816-4	ES-604816-4XS	ES-604816-4XSS6	60.00 x 48.00 x 16.00	1524 x 1219 x 406	65.98	1676	64.23	1631
ES-604820-4	ES-604820-4XS	ES-604820-4XSS6	60.00 x 48.00 x 20.00	1524 x 1219 x 508	65.98	1676	64.23	1631
ES-604824-4	ES-604824-4XS	ES-604824-4XSS6	60.00 x 48.00 x 24.00	1524 x 1219 x 609	65.98	1676	64.23	1631
ES-606012-4	ES-606012-4XS	ES-606012-4XSS6	60.00 x 60.00 x 12.00	1524 x 1524 x 305	65.98	1676	64.23	1631
ES-606016-4	ES-606016-4XS	ES-606016-4XSS6	60.00 x 60.00 x 16.00	1524 x 1524 x 406	65.98	1676	64.23	1631
ES-606020-4	ES-606020-4XS	ES-606020-4XSS6	60.00 x 60.00 x 20.00	1524 x 1524 x 508	65.98	1676	64.23	1631
ES-606024-4	ES-606024-4XS	ES-606024-4XSS6	60.00 x 60.00 x 24.00	1524 x 1524 x 609	67.46	1713	64.23	1631
ES-726012-4	ES-726012-4XS	ES-726012-4XSS6	72.00 x 60.00 x 12.00	1829 x 1524 x 305	77.98	1980	76.23	1936
ES-726016-4	ES-726016-4XS	ES-726016-4XSS6	72.00 x 60.00 x 16.00	1829 x 1524 x 406	77.98	1980	76.23	1936
ES-726020-4	ES-726020-4XS	ES-726020-4XSS6	72.00 x 60.00 x 20.00	1829 x 1524 x 508	77.98	1980	76.23	1936
ES-726024-4	ES-726024-4XS	ES-726024-4XSS6	72.00 x 60.00 x 24.00	1829 x 1524 x 609	77.98	1980	76.23	1936
ES-727212-4	ES-727212-4XS	ES-727212-4XSS6	72.00 x 72.00 x 12.00	1829 x 1829 x 305	77.98	1980	76.23	1936
ES-727216-4	ES-727216-4XS	ES-727216-4XSS6	72.00 x 72.00 x 16.00	1829 x 1829 x 406	77.98	1980	76.23	1936
ES-727220-4	ES-727220-4XS	ES-727220-4XSS6	72.00 x 72.00 x 20.00	1829 x 1829 x 508	77.98	1980	76.23	1936
ES-727224-4	ES-727224-4XS	ES-727224-4XSS6	72.00 x 72.00 x 24.00	1829 x 1829 x 609	79.46	2018	76.23	1936



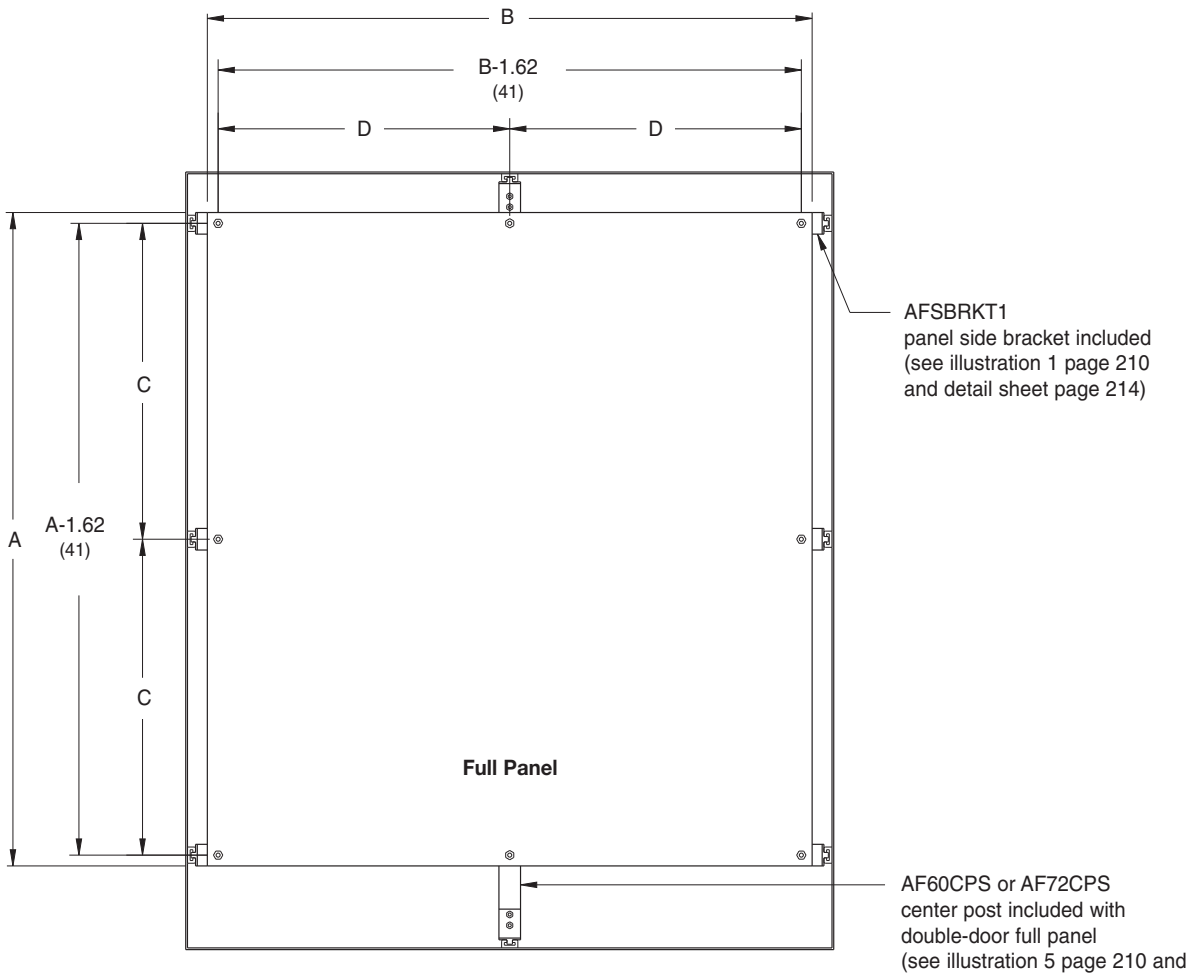
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Enviro Shield Free-Standing Enclosures

Full Panel Accessories

Catalog Number

Panel Catalog Number	Panel Size Height x Width A x B in.	mm	C in.	mm	D in.	mm	Fits Enclosure Height x Width in.	mm
AF6048P	47.87x43.87	1216x1114	23.12	587	21.12	530	60.00x48.00	1524x1219
AF6060P	47.87x55.87	1216x1419	23.12	587	27.12	689	60.00x60.00	1524x1524
AF7260P	59.87x55.87	1521x1419	29.12	740	27.12	689	72.00x60.00	1829x1524
AF7272P	59.87x67.87	1521x1724	29.12	740	33.12	841	72.00x72.00	1829x1829



Full Panel Mounting

Note: Full Panel for double-door enclosures are (10) gauge steel and furnished with Panel Brackets, Center Post assembly, panel handle kit and all hardware necessary for channel and panel mounting. The Center Post assembly offers additional support of panel and equipment. Free-standing design permits the panel to adjust along the depth of the enclosure. With dual-access enclosures, Full and Half Panels can be mounted back-to-back.

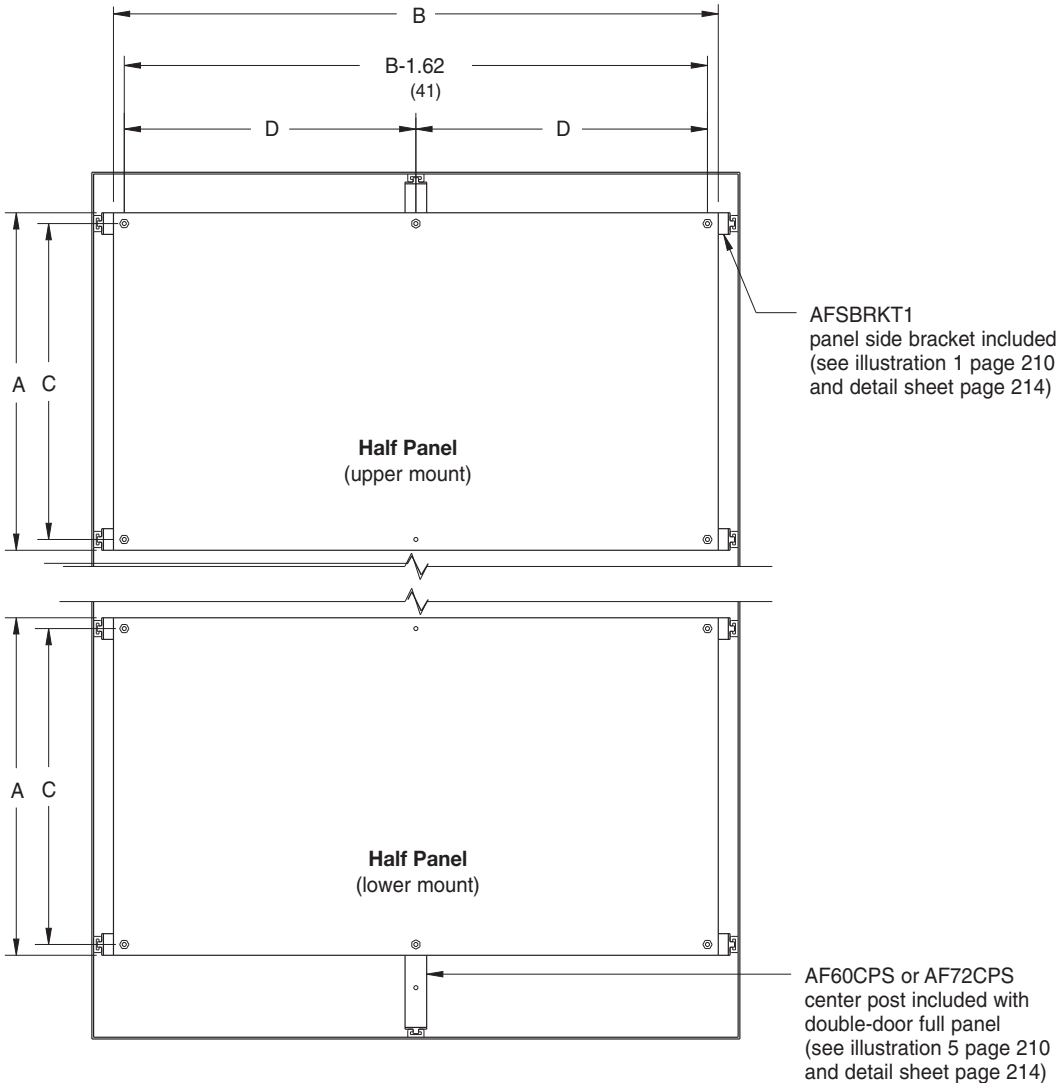
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Enviro Shield Free-Standing Enclosures

Half Panel Accessories

Catalog Number

Panel Catalog Number	Panel Size Height x Width A x B in.	mm	C in.	mm	D in.	mm	Fits Enclosure Height x Width in.	mm
AF6048HP	24.75x43.87	629x1114	23.12	587	21.12	536	60.00x48.00	1524x1219
AF7260HP	30.75x55.87	781x1419	29.12	740	7.12	181	72.00x60.00	1829x1524
AF7272HP	30.75x67.87	781x1724	29.12	740	33.12	841	72.00x72.00	1829x1829



Half Panel Mounting

Note: Half panel for double-door enclosures are (12) gauge steel and furnished with Panel Brackets and all hardware necessary for channel and panel mounting. **A Center Post assembly or a double-door panel support bracket (catalog number AFSUP2) for additional support of the panel is optional and sold separately.** Free-standing design permits the panel to adjust along the depth of the enclosure.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Enviro Shield Free-Standing Enclosures

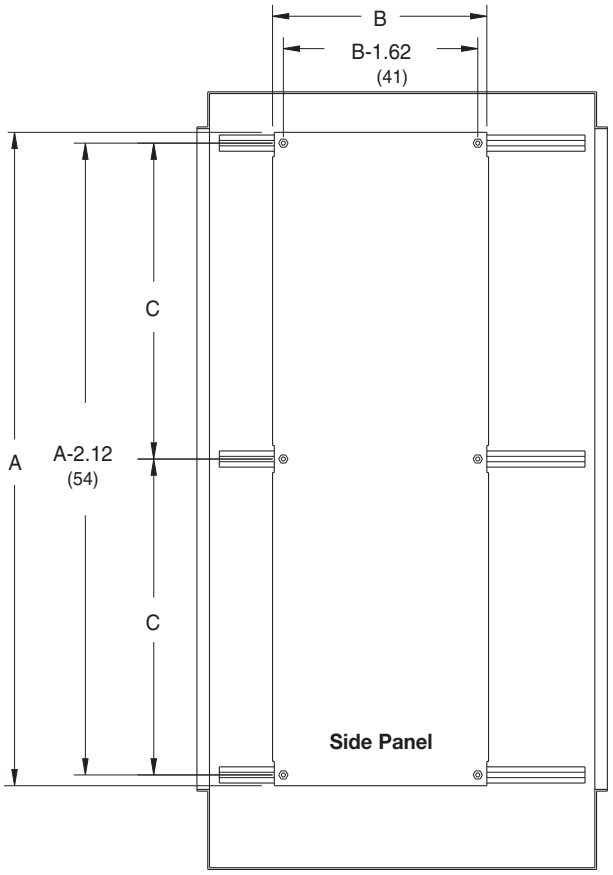
Side Panel And Center Post Accessories

Catalog Number

Side Panel								
Panel	Panel Size Height x Width A x B		C		Fits Enclosure Height		Depth*	
Catalog Number	in.	mm	in.	mm	in.	mm	in.	mm
AF6018SP	48.37x13.87	1229x340	23.12	587	60.00	1524	18.00	457
AF7218SP	60.37x13.87	1533x340	29.12	740	72.00	1829	18.00	457

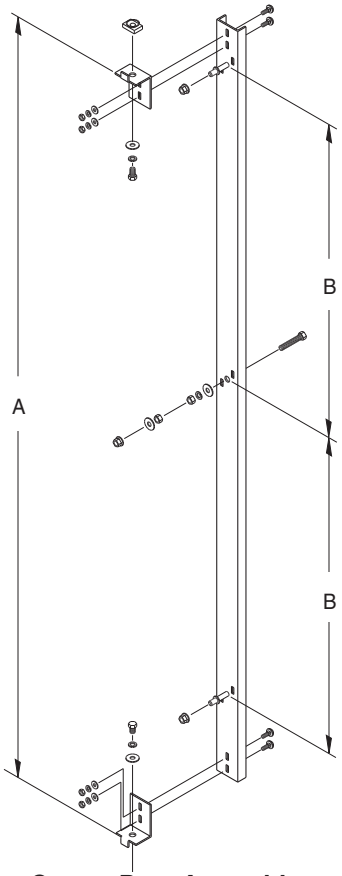
Center Post						
Center Post	A		B		Fits Enclosure Height	
Catalog Number	in.	mm	in.	mm	in.	mm
AF60CPS	58.37	1483	23.12	587	60.00	1524
AF72CPS	70.37	1787	29.12	740	72.00	1829

* Back panels restrict the movement of side panels and will prohibit mounting in some depths. See detail sheet for back panel spacing.



Side Panel Mounting

Side Panels are (12) gauge steel and furnished with hardware necessary for channel mounting. They will fit any width enclosure and are adjustable along its depth, however, when Full or Half Panels are installed, movement will be restricted and with some depths make side mounting prohibitive.



Center Post Assembly

Center Post assembly is furnished with all double-door Full Panels and includes hardware necessary for channel and panel mounting. The Center Post is optional on double-door Half Panels and Swing Panel mounting and must be ordered separately. It attaches to the top and bottom channels making it adjustable along the depth of the enclosure. See illustration #5 on the Detail Sheet-page 210.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Enviro Shield Free-Standing Enclosures

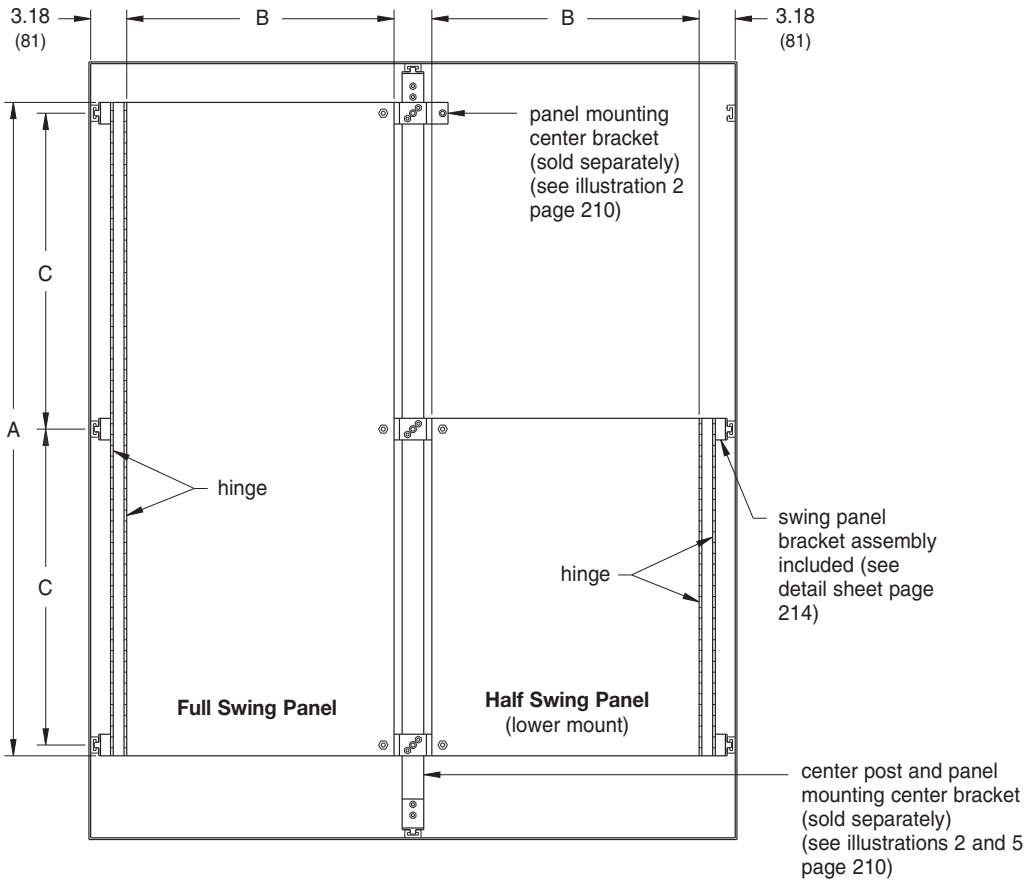
Full and Half Swing Panel Accessories

Catalog Number

Full Swing Panel						
Panel	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
Catalog Number	in.	mm	in.	mm	in.	mm
AF6024SWP	47.87x18.75	1216x476	23.12	587	60.00x48.00	1524x1219
AF7230SWP	59.87x24.75	1521x629	29.12	740	72.00x60.00	1829x1524
AF7236SWP	59.87x30.75	1521x781	29.12	740	72.00x72.00	1829x1829

Half Swing Panel						
Panel	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
Catalog Number	in.	mm	in.	mm	in.	mm
AF6024HSWP	24.75x18.75	629x476	23.12	587	60.00x48.00	1524x1219
AF7230HSWP	30.75x24.75	781x629	29.12	740	72.00x60.00	1829x1524
AF7236HSWP	30.75x30.75	781x781	29.12	740	72.00x72.00	1829x1829

A Center Post assembly and Center Bracket must be ordered separately.



Swing Panel Mounting

Note: Full Swing Panel and Half Swing Panel for double-door enclosures are (12) gauge steel, have a dual hinge swing panel bracket, and furnished with hardware necessary for side channel mounting. **A Center Post assembly and Center Bracket must be ordered separately.** Panels can be installed so they hinge either on the left or right side. In addition, Half Panels can be mounted in either the upper or lower portion of the enclosure. Free-standing design permits the panel to adjust along the depth of the enclosure. The dual hinge will allow the inner panel to swing completely out of the door opening when within 5.50 inches of the front.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Enviro Shield Free-Standing Enclosures

Miscellaneous Accessories

Accessories

Miscellaneous Accessories			
Catalog Number	**Description**	**Illustration**	**Quantity**
AFSBRKT1	Panel mounting side bracket	1	1
AFCBRKT3	Panel mounting center bracket	2	3
AFCMH3	Channel mounting hardware	3	3
AFPSUP2	Double-door panel support bracket	4	2

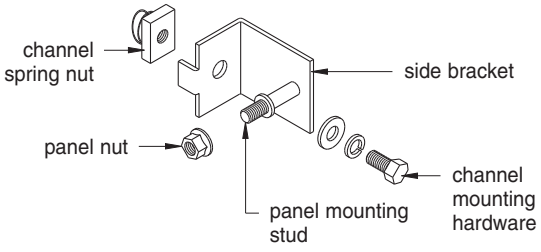


Illustration 1

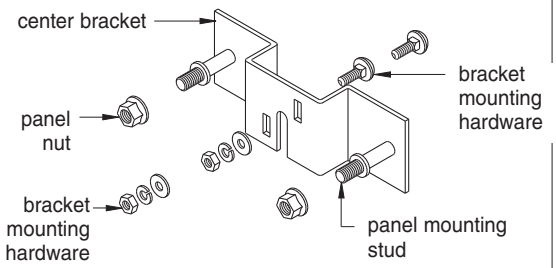


Illustration 2

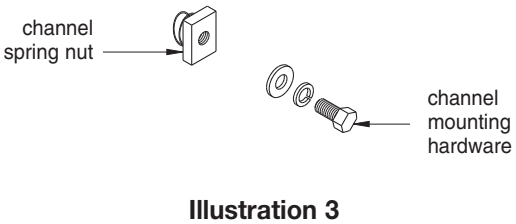


Illustration 3

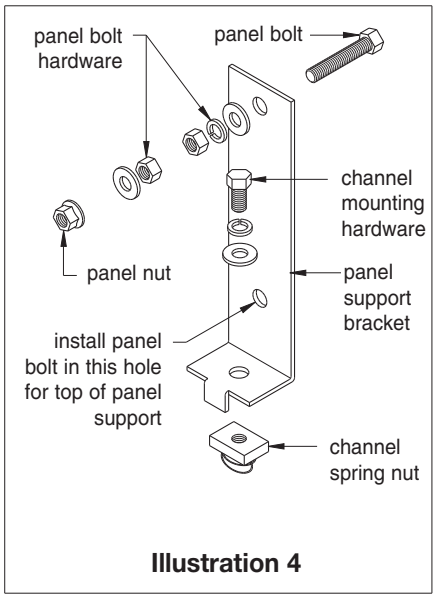


Illustration 4

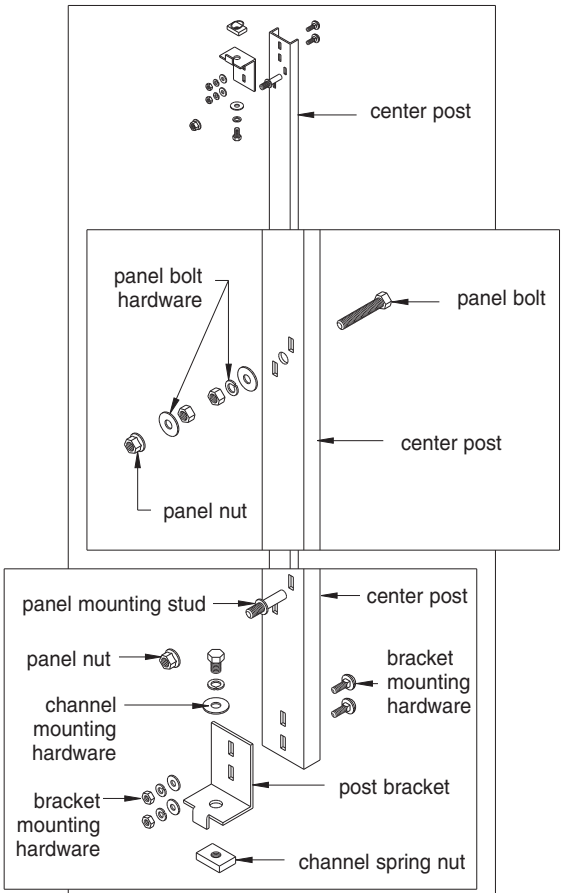


Illustration 5

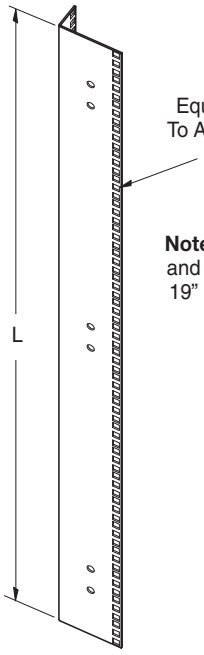
See catalog number page 208

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Rack Mounting Angles

Accessories

Heavy Duty Rack Mounting Angles are designed for mounting 19" (482mm) equipment in the Enviro Shield line as well as a variety of single and double-door free-standing enclosures. **A Center Post Assembly, "AFxxCPS" on page 208, and a Panel Mounting Center Bracket, "AFCBRKT3" on page 210, (each sold separately) are required when mounting in any double door enclosure.** Mounting holes are spaced at the 19" "EIA" Standard and are provided to accept #10-32, #12-24, or M6 cage nuts (sold in packages of 100), on page 212.



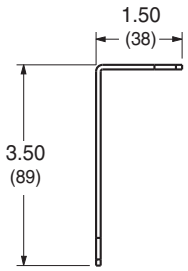
New

Equipment Mounting Holes To Accept #10-32, #12-24, or M6 Cage Nuts (Sold Separately)

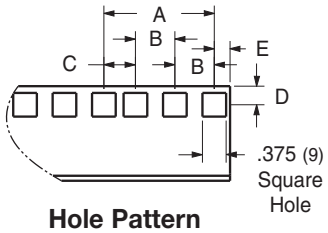
Note: L-shaped angles are universal and can be rotated to accommodate 19" or 23" EIA mounting equipment.

'L' Shaped Mounting Angles					
Catalog Number	Fits Enclosure Height		L		Mounting U's
	in.	mm	in.	mm	
ES-48RMA-L	48	1219	42.00	1067	24
ES-60RMA-L	60	1524	54.25	1378	31
ES-72RMA-L	72	1829	66.50	1689	38
ES-90RMA-L	90	2286	78.75	2000	45

Kit contains two (2) full length 'L' angles, installation instructions, and hardware necessary to mount in single-door enclosures. Yellow Zinc finish.

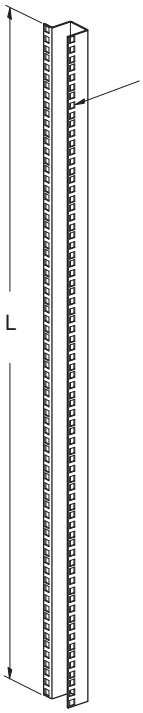


Angle Profile



Hole Pattern

A = 1.75 (44)
B = .625 (16)
C = .500 (13)
D = .295 (7)
E = .250 (6)

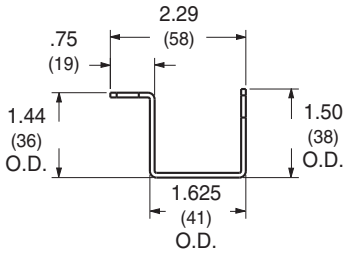


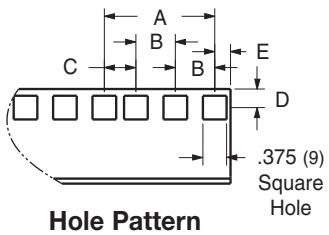
Equipment Mounting Holes To Accept #10-32, #12-24, or M6 Cage Nuts (Sold Separately)

New

'U' Shaped Mounting Angles					
Catalog Number	Fits Enclosure Height		L		Mounting U's
	in.	mm	in.	mm	
ES-48RMA-U	48	1219	42.00	1067	24
ES-60RMA-U	60	1524	54.25	1378	31
ES-72RMA-U	72	1829	66.50	1689	38
ES-90RMA-U	90	2286	78.75	2000	45

Kit contains two (2) full length 'U' angles, installation instructions, and hardware necessary to mount in single-door enclosures. Yellow Zinc finish.





Hole Pattern

A = 1.75 (44)
B = .625 (16)
C = .500 (13)
D = .295 (7)
E = .250 (6)

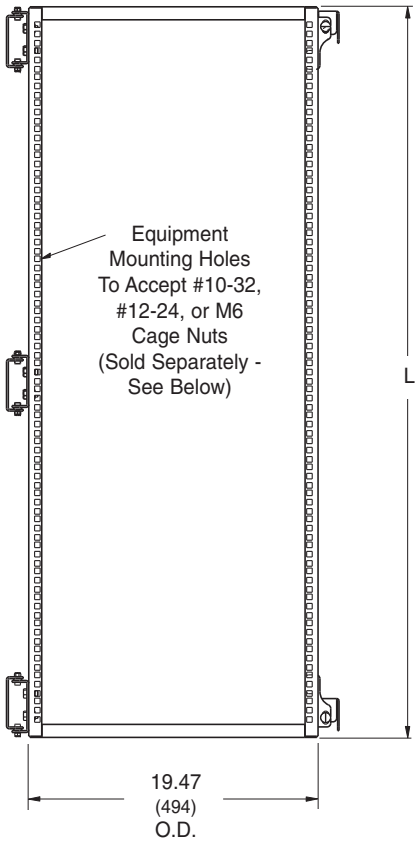
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

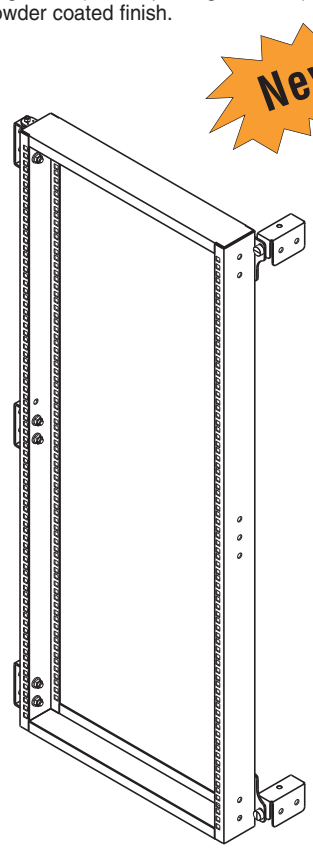
Frames & Fasteners

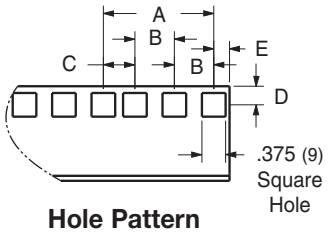
Accessories

Swing-Out Rack Mounted Frame				
Catalog Number	Fits Enclosure Height		L	
	in.	mm	in.	mm
ES-48SORMF	48	1219	36.91	937
ES-60SORMF	60	1524	49.16	1248
ES-72SORMF	72	1829	59.66	1515
ES-90SORMF	90	2286	77.18	1960

Heavy Duty Swing-Out Rack Mounting Frames are designed for mounting 19" (482mm) equipment in the Enviro Shield line as well as a variety of single and double door free standing enclosures. **A Center Post Assembly, "AFxxCPS" on page 208, and a Panel Mounting Center Bracket, "AFCBRKT3" on page 210, (each sold separately) are required when mounting in any double door enclosure.** Mounting holes are spaced per the "EIA" Standard and are provided to accept #10-32, #12-24, or M6 cage nuts (sold in packages of 100). Swing-Out Rack Mounting frames have white powder coated finish.







Hole Pattern

A = 1.75 (44)
B = .625 (16)
C = .500 (13)
D = .295 (7)
E = .250 (6)

Screws & Cage Nuts		
Catalog Number	Description	Finish
Screws		
E2MA1032PHMS100	#10-32 Phillips	Clear Zinc
E2MA1224PHMS100	#12-24 Phillips	Clear Zinc
E2MAM6PHMS100	M6 Phillips	Yellow Zinc
Cage Nuts		
E2MACN1032100	#10-32 Threads	Clear Zinc
E2MACN1224100	#12-24 Threads	Clear Zinc
E2MACNM6100	M6 Threads	Yellow Zinc

Sold in bags of (100)

Screws

Cage Nuts

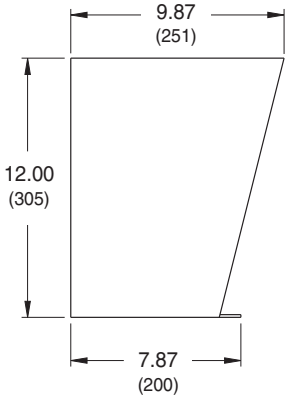
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Floor Stand & Enclosure Stabilizer Kits

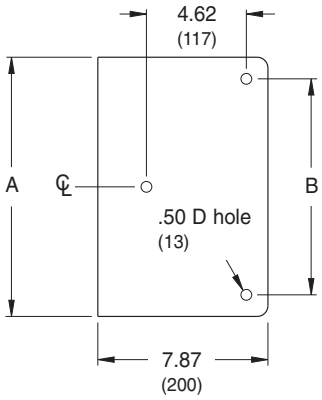
Accessories

Floor Stand Kits							
Catalog Number		A		B		C	
Steel	Stainless	in.	mm	in.	mm	in.	mm
MFK12	MFK12XS	12.0	305	10.06	256	-	-
MFK16	MFK16XS	16.0	406	14.06	357	-	-
MFK20	MFK20XS	20.0	508	18.06	459	8.00	203
MFK24	MFK24XS	24.0	610	22.06	560	10.00	254

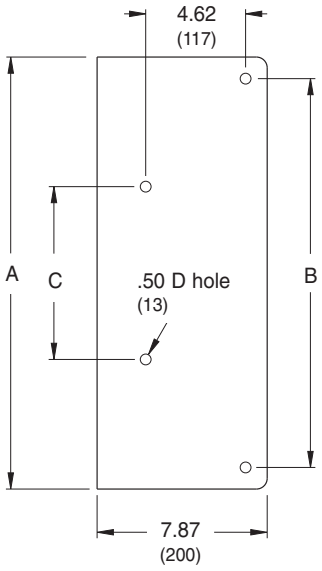
Floor Stand Kits are intended for use with Enviro Shield Type 4X, Type 4 and Type 12 Enclosures where floor support is required. Each kit consists of two (10) gauge legs and hardware for mounting. At the base of each leg is a prepunched plate (see drawing). Steel kits have a gray polyester powder paint finish. Stainless steel kits are fabricated from 304 stainless steel. Standard Floor Stand Kits are 12 inches (305 mm) high. For special heights, special material or non-standard construction consult the factory.



Floor Stand Kit



Base 12 - 16 Deep

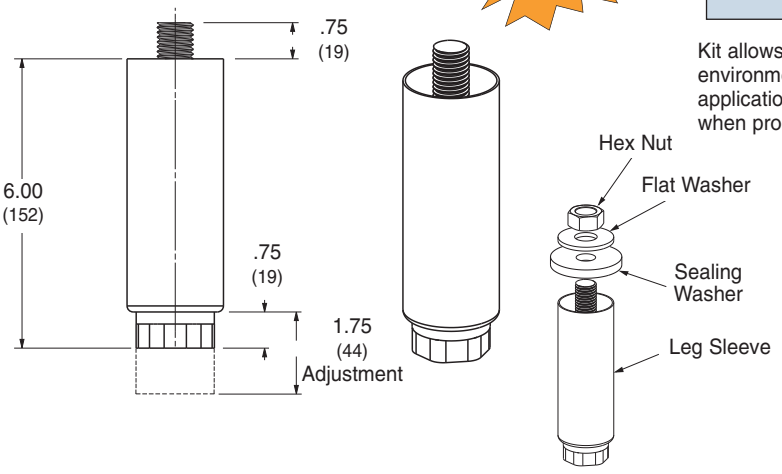


Base 20 - 24 Deep

New

Sanitary Leg Kit	
Catalog Number	Description
ES-SMFK6	Set of four (4) legs

Kit allows space between enclosure and floor for compliance in NSF environments $1^{3}/4$" (44mm) adjustment provides flexibility in all applications. Four (4) legs per kit, maintains UL/cUL Type 4X rating when properly installed.

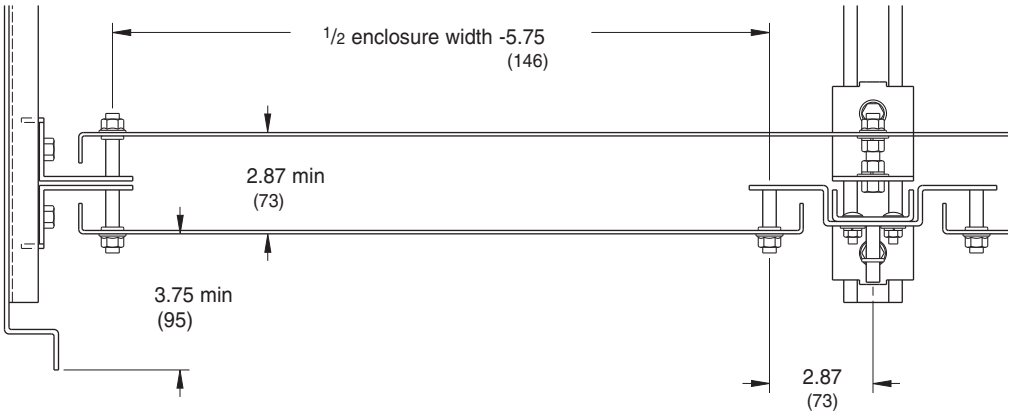


Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Enviro Shield Free-Standing Enclosures

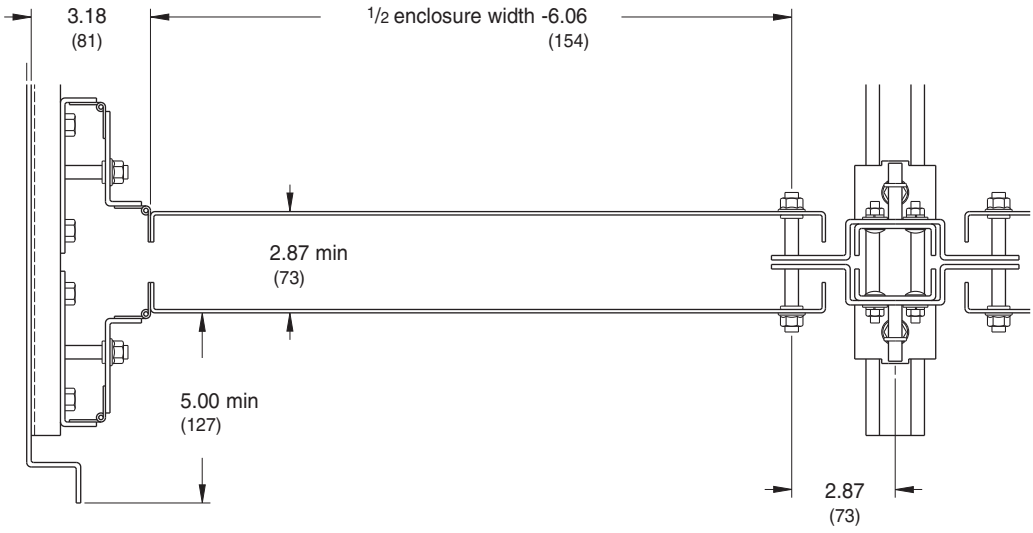
Detail Sheet

Panel and Enclosure Detail



Double Door
(section view showing full panels mounted back-to-back)

Swing Panel and Enclosure Detail



Double Door
(section view showing swing panels mounted back-to-back)

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

TYPE 4X FIBERGLASS ENCLOSURES

JIC Lift-Off Screw Cover Enclosures 216
JIC Hinge Cover Enclosures 218
JIC Hinged Cover with Quick Release Padlockable Latches 220
JIC Hinged Cover (Window) with Quick Release Padlockable Latches 222
Premier Series Hinge Cover Enclosures . 224
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Accessories 250

JIC Lift-Off Screw Cover Enclosure

Data Sheet

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Captive screws provide smooth surfaces
- 300 series stainless steel used on all external hardware
- Molded in flange for ease of mounting
- Stainless steel beaded chain for securing cover after lift off
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris

Finish

- Gray color

Accessories

- Back Panels (see page 248)
- See accessories (pages 250 - 251)

Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, hose directed water, and prolonged submersion

Standards

- UL/cUL 50 Listed, Type 1, 3, 4X, 6P, 12
- Conforms to NEMA Standard for Type 1, 3, 4X, 6P, 12
- CSA 22.2, Type 1, 3, 4X, 6P, 12
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 425 & 427)

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

JIC Lift-Off Screw Cover Enclosure

Catalog Number

Enclosure Catalog #	Overall Dimensions H x W x D		Inside Dimensions A x B x C		E		F		Hole Dia.		Panel No.
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
644-4XFLC	7.50x5.43x4.75	191x138x121	5.84x3.85x4.45	148x98x113	6.75	171	2.00	51	0.31	8	AW64__
664-4XFLC	7.50x7.50x4.75	191x191x121	5.72x5.72x4.45	145x145x113	6.75	171	4.00	101	0.31	8	AW66__
864-4XFLC	9.62x7.50x4.74	244x191x121	7.73x5.74x4.45	196x146x113	8.88	225	4.00	101	0.31	8	AW86__
884-4XFLC	9.56x9.47x5.09	243x242x129	7.73x7.73x4.82	196x196x123	8.75	222	6.00	152	0.31	8	AW88__
1084-4XFLC	11.62x9.41x4.25	295x239x108	9.73x7.73x3.98	247x196x101	10.75	273	6.00	152	0.31	8	AW108__
1085-4XFLC	11.62x9.37x5.06	295x238x129	9.73x7.73x4.83	247x196x123	10.75	273	6.00	152	0.31	8	AW108__
12105-4XFLC	13.56x11.43x5.21	344x291x132	11.79x9.80x4.94	299x249x125	12.75	324	8.00	203	0.31	8	AW1210__
12126-4XFLC	13.56x13.34x6.34	344x339x161	13.53x11.55x5.94	344x293x151	14.62	371	10.00	254	0.31	8	AW1212__
1476-4XFLC	15.87x8.75x6.81	403x222x173	14.00x7.00x6.56	356x178x167	15.00	381	5.00	127	0.31	8	AW147__
14126-4XFLC	15.50x13.50x6.25	394x343x159	13.53x11.55x5.94	344x293x151	14.62	371	10.00	254	0.31	8	AW1412__
16146-4XFLC	17.53x15.46x6.23	445x393x158	15.63x13.60x5.94	397x345x151	16.75	425	12.00	305	0.31	8	AW1614__
18168-4XFLC	19.62x17.61x8.82	498x447x224	17.69x15.69x8.45	449x399x215	18.88	479	12.00	305	0.31	8	AW1816__
20168-4XFLC	22.00x17.68x8.83	559x449x224	19.72x15.72x8.45	501x399x215	21.25	540	10.00	254	0.31	8	AW2016__J

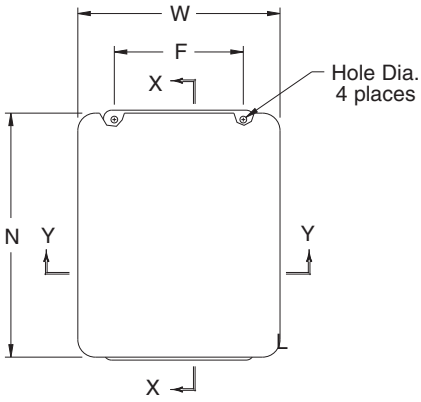
Enclosure Catalog #	Dimensions J		K		L		M		N	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
644-4XFLC	4.00	101	4.25	108	2.25	57	0.25	6	7.39	188
664-4XFLC	4.00	101	4.25	108	4.25	108	0.25	6	7.52	191
864-4XFLC	4.00	101	6.25	159	4.25	108	0.25	6	9.50	242
884-4XFLC	4.24	107	6.25	159	6.25	159	0.25	6	9.50	242
1084-4XFLC	3.50	89	8.25	209	6.25	159	0.25	6	11.35	288
1085-4XFLC	4.37	111	8.25	209	6.25	159	0.25	6	11.37	289
12105-4XFLC	4.50	114	10.25	260	8.25	209	0.25	6	13.41	341
12126-4XFLC	5.37	137	12.25	311	10.25	260	0.25	6	15.47	393
1476-4XFLC	6.12	156	12.25	311	5.25	133	0.25	6	15.75	400
14126-4XFLC	5.37	137	12.25	311	10.25	260	0.25	6	15.47	393
16146-4XFLC	5.36	136	14.25	362	12.25	311	0.25	6	17.45	443
18168-4XFLC	7.99	203	16.25	413	14.25	362	0.25	6	19.61	498
20168-4XFLC	8.00	203	18.25	464	14.25	362	0.25	6	21.68	551

Panel Finishes

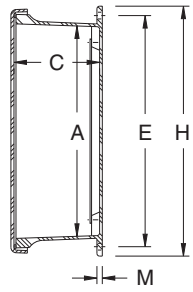
Example: AW108__

Insert for __

P = Carbon Steel
SP = Stainless Steel
AP = Aluminum

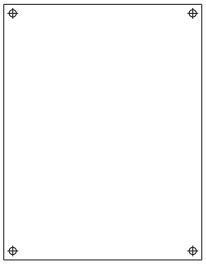


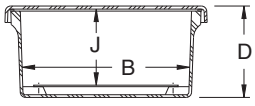
Front View



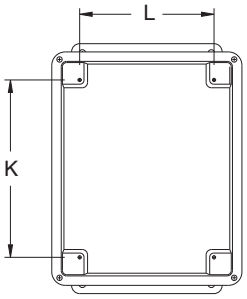
Section X-X

Back Panel
(see page 248)





Section Y-Y



Front View Without Cover

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

JIC Hinge Cover with Two Screws

Data Sheet

Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, hose directed water, and prolonged submersion

Standards

- UL/cUL 50 Listed, Type 1, 3, 4X, 6P, 12
- Conforms to NEMA Standard for Type 1, 3, 4X, 6P, 12
- CSA 22.2, Type 1, 3, 4X, 6P, 12
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 425 & 427)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Captive screws provide smooth surfaces
- 300 series stainless steel used on all external hardware
- Integral flange molded in place for ease of mounting
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Full length stainless steel hinged cover

Finish

- Gray color

Accessories

- Back Panels (see page 248)
- See accessories (pages 250 - 251)

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

JIC Hinge Cover with Two Screws

Catalog Number

Enclosure Catalog #	Overall Dimensions H x W x D		Inside Dimensions A x B x C		E		F		Hole Dia.		Panel No.
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
644-4XFCHSC	7.50x5.43x4.75	191x138x121	5.84x3.85x4.45	148x98x113	6.75	171	2.00	51	0.31	8	AW64__
664-4XFCHSC	7.50x7.50x4.75	191x191x121	5.72x5.72x4.45	145x145x113	6.75	171	4.00	101	0.31	8	AW66__
864-4XFCHSC	9.62x7.50x4.74	244x191x121	7.73x5.74x4.45	196x146x113	8.88	225	4.00	101	0.31	8	AW86__
884-4XFCHSC	9.62x7.50x4.74	244x191x121	7.73x5.74x4.45	196x146x113	8.88	225	4.00	101	0.31	8	AW88__
1084-4XFCHSC	11.62x9.41x4.25	295x239x108	9.73x7.73x3.98	247x196x101	10.75	273	6.00	152	0.31	8	AW108__
1085-4XFCHSC	11.62x9.37x5.06	295x238x129	9.73x7.73x4.83	247x196x123	10.75	273	6.00	152	0.31	8	AW108__
12105-4XFCHSC	13.56x11.43x5.21	344x291x132	11.79x9.80x4.94	299x249x125	12.75	324	8.00	203	0.31	8	AW1210__
12126-4XFCHSC	13.56x13.34x6.34	344x339x161	14.00x7.00x6.56	356x178x167	15.00	381	5.00	127	0.31	8	AW1212__
1476-4XFCHSC	15.87x8.75x6.81	403x222x173	14.00x7.00x6.56	356x178x167	15.00	381	5.00	127	0.31	8	AW147__
14126-4XFCHSC	15.50x13.50x6.25	394x343x159	13.53x11.55x5.94	344x293x151	14.62	371	10.00	254	0.31	8	AW1412__
16146-4XFCHSC	17.53x15.46x6.23	445x393x158	15.63x13.60x5.94	397x345x151	16.75	425	12.00	305	0.31	8	AW1614__
18168-4XFCHSC	19.62x17.61x8.82	498x447x224	17.69x15.69x8.45	449x399x215	18.88	479	12.00	305	0.31	8	AW1816__
20168-4XFCHSC	22.00x17.68x8.83	559x449x224	19.72x15.72x8.45	501x399x215	21.25	540	10.00	254	0.31	8	AW2016__J

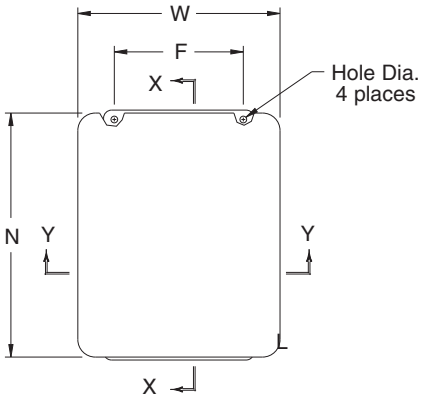
Enclosure Catalog #	Dimensions									
	J		K		L		M		N	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
644-4XFCHSC	4.00	101	4.25	108	2.25	57	0.25	6	7.39	188
664-4XFCHSC	4.00	101	4.25	108	4.25	108	0.25	6	7.52	191
864-4XFCHSC	4.00	101	6.25	159	4.25	108	0.25	6	9.50	242
884-4XFCHSC	4.00	101	6.25	159	4.25	108	0.25	6	9.50	242
1084-4XFCHSC	3.50	89	8.25	209	6.25	159	0.25	6	11.35	288
1085-4XFCHSC	4.37	111	8.25	209	6.25	159	0.25	6	11.37	289
12105-4XFCHSC	4.50	114	10.25	260	8.25	209	0.25	6	13.41	341
12126-4XFCHSC	6.12	156	12.25	311	5.25	133	0.25	6	15.75	400
1476-4XFCHSC	6.12	156	12.25	311	5.25	133	0.25	6	15.75	400
14126-4XFCHSC	5.37	137	12.25	311	10.25	260	0.25	6	15.47	393
16146-4XFCHSC	5.36	136	14.25	362	12.25	311	0.25	6	17.45	443
18168-4XFCHSC	7.99	203	16.25	413	14.25	362	0.25	6	19.61	498
20168-4XFCHSC	8.00	203	18.25	464	14.25	362	0.25	6	21.68	551

Panel Finishes

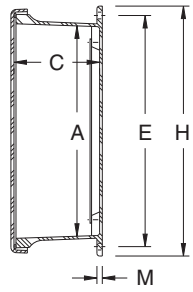
Example: AW108__

Insert for __

P = Carbon Steel
SP = Stainless Steel
AP = Aluminum

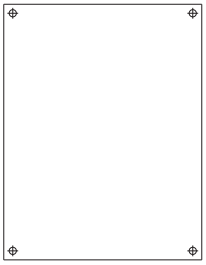


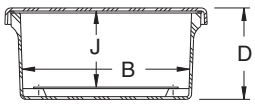
Front View



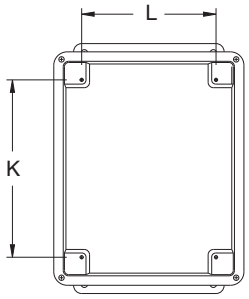
Section X-X

Back Panel
(see page 248)





Section Y-Y



Front View
Without Cover

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

JIC Hinged Cover with Quick Release Padlockable Latches

Data Sheet

Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, hose directed water, and prolonged submersion

Standards

- UL/cUL 50 Listed, Type 1, 3, 4X, 6P, 12
- Conforms to NEMA Standard for Type 1, 3, 4X, 6P, 12
- CSA 22.2, Type 1, 3, 4X, 6P, 12
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 425 & 427)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Captive screws provide smooth surfaces
- 300 series stainless steel used on all external hardware
- Integral flange molded in place for ease of mounting
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Full length stainless steel hinged cover
- Padlock latches provide quick access and optional closure (padlock not included)

Finish

- Gray color

Accessories

- Back Panels (see page 248)
- See accessories (pages 250 - 251)

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

JIC Hinged Cover with Quick Release Padlockable Latches

Catalog Number

Enclosure Catalog #	Overall Dimensions H x W x D		Inside Dimensions A x B x C		E		F		Hole Dia.		Panel No.
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
644-4XFCHQRC	7.50x5.43x4.75	191x138x121	5.84x3.85x4.45	148x98x113	6.75	171	2.00	51	0.31	8	AW64__
664-4XFCHQRC	7.50x7.50x4.75	191x191x121	5.72x5.72x4.45	145x145x113	6.75	171	4.00	101	0.31	8	AW66__
864-4XFCHQRC	9.62x7.50x4.74	244x191x121	7.73x5.74x4.45	196x146x113	8.88	225	4.00	101	0.31	8	AW86__
884-4XFCHQRC	9.62x7.50x4.74	244x191x121	7.73x5.74x4.45	196x146x113	8.88	225	4.00	101	0.31	8	AW88__
1084-4XFCHQRC	11.62x9.41x4.25	295x239x108	9.73x7.73x3.98	247x196x101	10.75	273	6.00	152	0.31	8	AW108__
1085-4XFCHQRC	11.62x9.37x5.06	295x238x129	9.73x7.73x4.83	247x196x123	10.75	273	6.00	152	0.31	8	AW108__
12105-4XFCHQRC	13.56x11.43x5.21	344x291x132	11.79x9.80x4.94	299x249x125	12.75	324	8.00	203	0.31	8	AW1210__
12126-4XFCHQRC	13.56x13.34x6.34	344x339x161	14.00x7.00x6.56	356x178x167	15.00	381	5.00	127	0.31	8	AW1212__
1476-4XFCHQRC	15.87x8.75x6.81	403x222x173	14.00x7.00x6.56	356x178x167	15.00	381	5.00	127	0.31	8	AW147__
14126-4XFCHQRC	15.50x13.50x6.25	394x343x159	13.53x11.55x5.94	344x293x151	14.62	371	10.00	254	0.31	8	AW1412__
16146-4XFCHQRC	17.53x15.46x6.23	445x393x158	15.63x13.60x5.94	397x345x151	16.75	425	12.00	305	0.31	8	AW1614__
18168-4XFCHQRC	19.62x17.61x8.82	498x447x224	17.69x15.69x8.45	449x399x215	18.88	479	12.00	305	0.31	8	AW1816__
20168-4XFCHQRC	22.00x17.68x8.83	559x449x224	19.72x15.72x8.45	501x399x215	21.25	540	10.00	254	0.31	8	AW2016__J

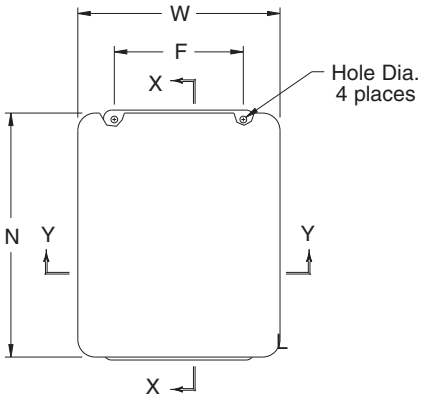
Enclosure Catalog #	Dimensions J		K		L		M		N	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
644-4XFCHQRC	4.00	101	4.25	108	2.25	57	0.25	6	7.39	188
664-4XFCHQRC	4.00	101	4.25	108	4.25	108	0.25	6	7.52	191
864-4XFCHQRC	4.00	101	6.25	159	4.25	108	0.25	6	9.50	242
884-4XFCHQRC	4.00	101	6.25	159	4.25	108	0.25	6	9.50	242
1084-4XFCHQRC	3.50	89	8.25	209	6.25	159	0.25	6	11.35	288
1085-4XFCHQRC	4.37	111	8.25	209	6.25	159	0.25	6	11.37	289
12105-4XFCHQRC	4.50	114	10.25	260	8.25	209	0.25	6	13.41	341
12126-4XFCHQRC	6.12	156	12.25	311	5.25	133	0.25	6	15.75	400
1476-4XFCHQRC	6.12	156	12.25	311	5.25	133	0.25	6	15.75	400
14126-4XFCHQRC	5.37	137	12.25	311	10.25	260	0.25	6	15.47	393
16146-4XFCHQRC	5.36	136	14.25	362	12.25	311	0.25	6	17.45	443
18168-4XFCHQRC	7.99	203	16.25	413	14.25	362	0.25	6	19.61	498
20168-4XFCHQRC	8.00	203	18.25	464	14.25	362	0.25	6	21.68	551

Panel Finishes

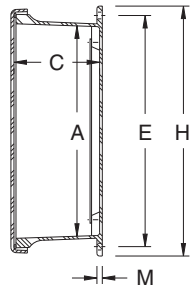
Example: AW108__

Insert for __

P = Carbon Steel
SP = Stainless Steel
AP = Aluminum

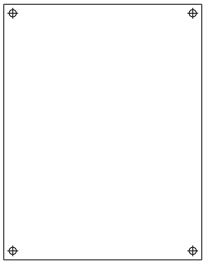


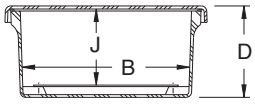
Front View



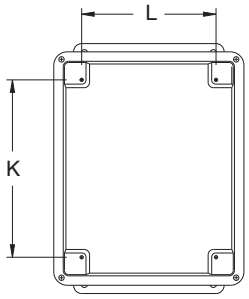
Section X-X

Back Panel
(see page 248)





Section Y-Y



Front View Without Cover

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

JIC Hinged Cover (Window) with Quick Release Padlockable Latches

Data Sheet

Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, hose directed water, and prolonged submersion

Standards

- UL/cUL 50 Listed, Type 1, 3, 4X, 6P, 12
- Conforms to NEMA Standard for Type 1, 3, 4X, 6P, 12
- CSA 22.2, Type 1, 3, 4X, 6P, 12
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 425 & 427)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Captive screws provide smooth surfaces
- 300 series stainless steel used on all external hardware
- Integral flange molded in place for ease of mounting
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Full length stainless steel hinged cover
- Padlock latches provide quick access and optional closure (padlock not included)
- Window utilizes a scratch resistant UVA acrylic material to provide internal component visibility

Finish

- Gray color

Accessories

- Back Panels (see page 248)
- See accessories (pages 250 - 251)

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

JIC Hinged Cover (Window) with Quick Release Padlockable Latches

Catalog Number

Enclosure Catalog #	Overall Dimensions H x W x D		Inside Dimensions A x B x C		Window Area (Maximum)		Mtg. Dimension E		F		Panel No.
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
644-4XFCHQRCW	7.50x5.43x4.75	191x138x121	5.84x3.85x4.45	148x98x113	4.25x2.25	108x57	6.75	171	2.00	51	AW64__
664-4XFCHQRCW	7.50x7.50x4.75	191x191x121	5.72x5.72x4.45	145x145x113	4.25x4.25	108x108	6.75	171	4.00	101	AW66__
864-4XFCHQRCW	9.62x7.50x4.74	244x191x121	7.73x5.74x4.45	196x146x113	6.25x4.25	159x108	8.88	225	4.00	101	AW86__
1084-4XFCHQRCW	11.62x9.41x4.25	295x239x108	9.73x7.73x3.98	247x196x101	8.25x6.25	210x159	10.75	273	6.00	152	AW108__
1085-4XFCHQRCW	11.62x9.37x5.06	295x238x129	9.73x7.73x4.83	247x196x123	8.25x6.25	210x159	10.75	273	6.00	152	AW108__
12105-4XFCHQRCW	13.56x11.43x5.21	344x291x132	11.79x9.80x4.94	299x249x125	10.25x8.25	260x210	12.75	324	8.00	203	AW1210__
1476-4XFCHQRCW	15.87x8.75x6.81	403x222x173	14.00x7.00x6.56	356x178x167	12.75x5.75	324x146	15.00	381	5.00	127	AW147__
14126-4XFCHQRCW	15.50x13.50x6.25	394x343x159	13.53x11.55x5.94	344x293x151	12.25x10.25	311x260	14.62	371	10.00	254	AW1412__
16146-4XFCHQRCW	17.53x15.46x6.23	445x393x158	15.63x13.60x5.94	397x345x151	14.25x12.25	362x311	16.75	425	12.00	305	AW1614__
18168-4XFCHQRCW	19.62x17.61x8.82	498x447x224	17.69x15.69x8.45	449x399x215	16.25x14.25	413x362	18.88	479	12.00	305	AW1816__
20168-4XFCHQRCW	22.00x17.68x8.83	559x449x224	19.72x15.72x8.45	501x399x215	18.25x14.25	464x362	21.25	540	10.00	254	AW2016__J

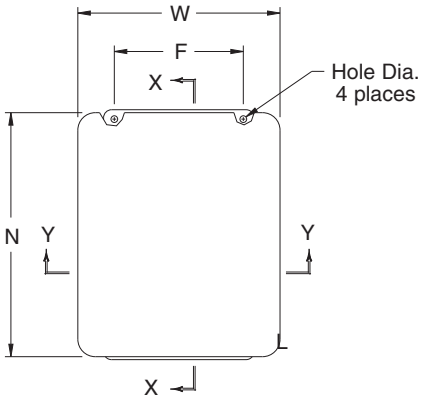
Enclosure Catalog #	Hole Dia.		Dimensions J		K		L		M		N	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
644-4XFCHQRCW	0.31	8	4.00	101	4.25	108	2.25	57	0.25	6	7.39	188
664-4XFCHQRCW	0.31	8	4.00	101	4.25	108	4.25	108	0.25	6	7.52	191
864-4XFCHQRCW	0.31	8	4.00	101	6.25	159	4.25	108	0.25	6	9.50	242
1084-4XFCHQRCW	0.31	8	3.50	89	8.25	209	6.25	159	0.25	6	11.35	288
1085-4XFCHQRCW	0.31	8	4.37	111	8.25	209	6.25	159	0.25	6	11.37	289
12105-4XFCHQRCW	0.31	8	4.50	114	10.25	260	8.25	209	0.25	6	13.41	341
1476-4XFCHQRCW	0.31	8	6.12	156	12.25	311	5.25	133	0.25	6	15.75	400
14126-4XFCHQRCW	0.31	8	5.37	137	12.25	311	10.25	260	0.25	6	15.47	393
16146-4XFCHQRCW	0.31	8	5.36	136	14.25	362	12.25	311	0.25	6	17.45	443
18168-4XFCHQRCW	0.31	8	7.99	203	16.25	413	14.25	362	0.25	6	19.61	498
20168-4XFCHQRCW	0.31	8	8.00	203	18.25	464	11.25	286	0.25	6	21.68	551

Panel Finishes

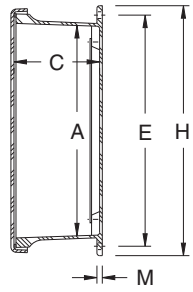
Example: AW108__

Insert for __

P = Carbon Steel
SP = Stainless Steel
AP = Aluminum

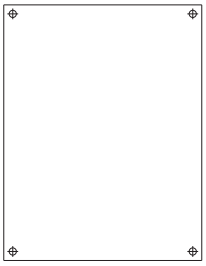


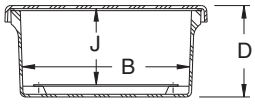
Front View



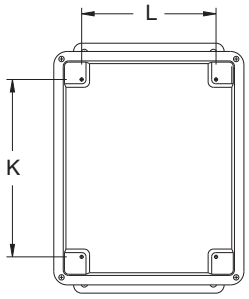
Section X-X

Back Panel
(see page 248)





Section Y-Y



Front View
Without Cover

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Premier Series Hinge Cover with Two Screws

Data Sheet

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Captive screws provide smooth surfaces
- 300 series stainless steel used on all external hardware
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Full 180° door opening

Finish

- Gray color

Accessories

- Back Panels (see page 248)
- Mounting Foot kits (see page 252)
- See accessories (pages 250 - 251)

Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, and hose directed water

Standards

- UL/cUL 50 Listed, Type 1, 3, 3s, 4X, 12, 13
- Conforms to NEMA Standard for Type 1, 3, 3s, 4X, 12, 13
- CSA 22.2, Type 1, 3, 3s, 4X, 12, 13
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-halogenated, Non-flame propagating
- Chemical Resistance: (see chart, pages 425 & 427)
- NFPA No. 101 Flame Spread, Class A (1)

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Premier Series Hinge Cover with Two Screws

Catalog Number

Enclosure Catalog #	Overall Dimensions H x W x D		Inside Dimensions A x B x C		Mtg. Dimension P x R		Optional Feet Mtg. E x F		Panel No.
	in.	mm	in.	mm	in.	mm	in.	mm	
664-SDF	7.41x7.79x4.31	188x198x109	6.77x6.77x4.06	172x172x103	5.93x4.00	150x101	8.24x4.00	209x101	AW66__
864-SDF	9.41x7.79x4.31	239x198x109	8.77x6.77x4.06	228x172x103	7.91x4.00	201x101	10.21x4.00	259x101	AW86__
884-SDF	9.39x9.76x4.31	238x248x109	8.74x8.74x4.06	222x222x103	7.91x6.00	201x152	10.21x6.00	259x152	AW88__
1086-SDF	11.42x9.79x6.31	290x248x160	10.73x8.73x6.06	272x222x154	9.89x6.00	251x152	12.19x6.00	309x152	AW108__
12106-SDF	13.45x11.83x6.31	341x300x160	12.69x10.69x6.06	322x271x154	11.88x8.00	302x203	14.18x8.00	360x203	AW1210__
14126-SDF	15.49x13.86x6.34	393x352x161	14.72x12.72x6.06	374x323x154	13.91x10.00	353x254	16.21x10.00	412x254	AW1412__
14128-SDF	15.49x13.86x8.34	393x352x212	14.66x12.66x8.06	372x321x205	13.88x10.00	352x254	16.19x10.00	411x254	AW1412__
16148-SDF	17.58x15.96x8.34	446x405x212	16.69x14.69x8.06	424x373x205	15.96x12.00	405x205	18.26x12.00	464x305	AW1614__
181610-SDF	19.77x18.15x10.34	502x461x262	18.63x16.63x10.06	473x422x255	17.94x14.00	455x355	20.24x14.00	514x355	AW1816__
201610-SDF	21.79x18.16x10.34	553x461x262	20.63x16.63x10.06	524x422x255	19.96x14.00	507x355	22.26x14.00	565x355	AW2016__J

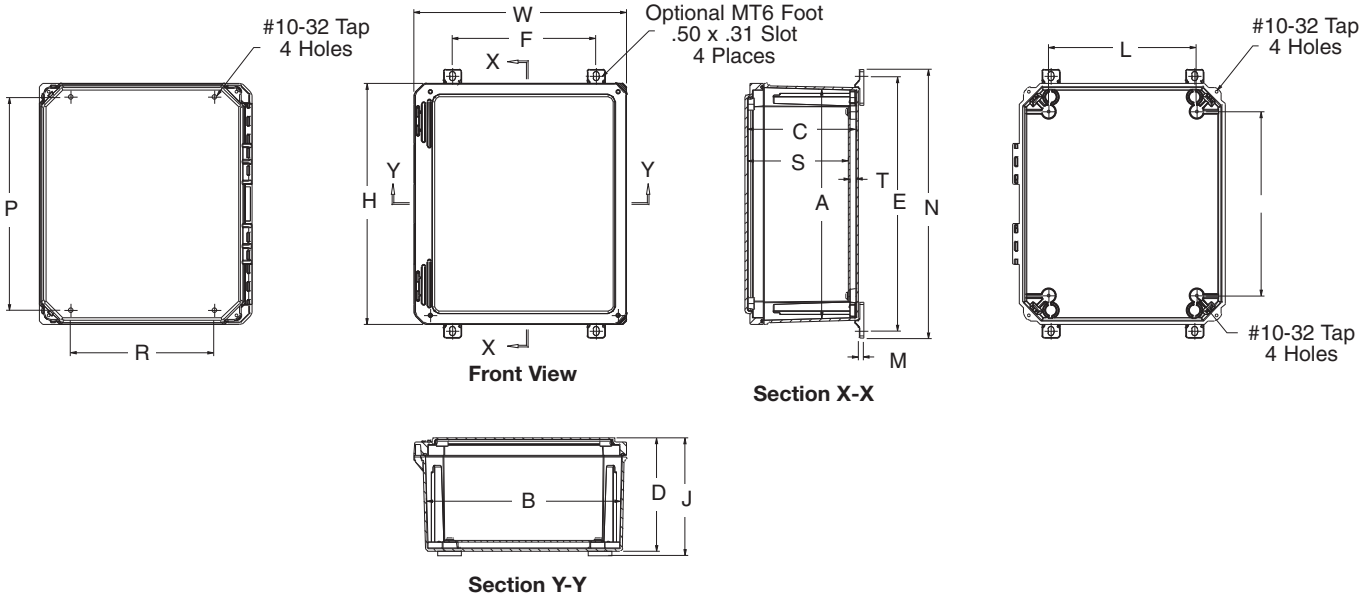
Enclosure Catalog #	Dimensions													
	K		L		S		T		N		J		M	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
664-SDF	4.25	108	4.25	108	3.60	91	0.38	9.6	9.02	229	4.56	116	0.25	6.35
864-SDF	6.25	159	4.25	108	3.60	91	0.38	9.6	10.98	279	4.56	116	0.25	6.35
884-SDF	6.25	159	6.25	159	3.60	91	0.38	9.6	10.98	279	4.56	116	0.25	6.35
1086-SDF	8.25	210	6.25	159	5.60	142	0.38	9.6	12.96	329	6.56	167	0.25	6.35
12106-SDF	10.25	260	8.25	210	5.60	142	0.38	9.6	14.95	380	6.56	167	0.25	6.35
14126-SDF	12.25	311	10.25	260	5.60	142	0.38	9.6	16.98	431	6.59	167	0.25	6.35
14128-SDF	12.25	311	10.25	260	7.60	193	0.38	9.6	16.96	431	8.59	218	0.25	6.35
16148-SDF	14.25	362	12.25	311	7.60	193	0.38	9.6	19.04	483	8.59	218	0.25	6.35
181610-SDF	16.25	413	14.25	362	9.60	244	0.38	9.6	21.02	534	10.59	269	0.25	6.35
201610-SDF	18.25	463	14.25	362	9.59	244	0.38	9.6	23.04	585	10.59	269	0.25	6.35

Panel Finishes

Example: AW108__

Insert for __

P = Carbon Steel
SP = Stainless Steel
AP = Aluminum



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

Premier Series Hinge Cover with Quick-Release Pad Lockable Latches

Data Sheet

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Captive screws provide smooth surfaces
- 300 series stainless steel used on all external hardware
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Full 180° door opening
- Padlock latches provide quick access and optional closure (padlock not included)
- Flush mounted scratch and abrasion resistant polycarbonate clear cover option provides internal component visibility

Finish

- Gray color

Accessories

- Back Panels (see page 248)
- Mounting Foot kits (see page 252)
- See accessories (pages 250 - 251)

Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, and hose directed water

Standards

- UL/cUL 50 Listed, Type 1, 3, 3s, 4X, 12, 13
- Conforms to NEMA Standard for Type 1, 3, 3s, 4X, 12, 13
- CSA 22.2, Type 1, 3, 3s, 4X, 12, 13
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Window Flammability Rating: UL94V-0
- Self Extinguishing: Non-halogenated, Non-flame propagating
- Chemical Resistance: (see chart, pages 425 & 427)
- NFPA No. 101 Flame Spread, Class A (1)

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Premier Series Hinge Cover with Quick-Release Pad Lockable Latches

Catalog Number

Enclosure Catalog #	Overall Dimensions H x W x D		Inside Dimensions A x B x C		Mtg. Dimension P x R		Optional Feet Mtg. E x F		Panel No.
	in.	mm	in.	mm	in.	mm	in.	mm	
664-SDFQR	7.41x7.79x4.31	188x198x109	6.77x6.77x4.06	172x172x103	5.93x4.00	150x101	8.24x4.00	209x101	AW66__
864-SDFQR	9.41x7.79x4.31	239x198x109	8.77x6.77x4.06	228x172x103	7.91x4.00	201x101	10.21x4.00	259x101	AW86__
884-SDFQR	9.39x9.76x4.31	238x248x109	8.74x8.74x4.06	222x222x103	7.91x6.00	201x152	10.21x6.00	259x152	AW88__
1086-SDFQR	11.42x9.79x6.31	290x248x160	10.73x8.73x6.06	272x222x154	9.89x6.00	251x152	12.19x6.00	309x152	AW108__
12106-SDFQR	13.45x11.83x6.31	341x300x160	12.69x10.69x6.06	322x271x154	11.88x8.00	302x203	14.18x8.00	360x203	AW1210__
14126-SDFQR	15.49x13.86x6.34	393x352x161	14.72x12.72x6.06	374x323x154	13.91x10.00	353x254	16.21x10.00	412x254	AW1412__
14128-SDFQR	15.49x13.86x8.34	393x352x212	14.66x12.66x8.06	372x321x205	13.88x10.00	352x254	16.19x10.00	411x254	AW1412__
16148-SDFQR	17.58x15.96x8.34	446x405x212	16.69x14.69x8.06	424x373x205	15.96x12.00	405x205	18.26x12.00	464x305	AW1614__
181610-SDFQR	19.77x18.15x10.34	502x461x262	18.63x16.63x10.06	473x422x255	17.94x14.00	455x355	20.24x14.00	514x355	AW1816__
201610-SDFQR	21.79x18.16x10.34	553x461x262	20.63x16.63x10.06	524x422x255	19.96x14.00	507x355	22.26x14.00	565x355	AW2016__J

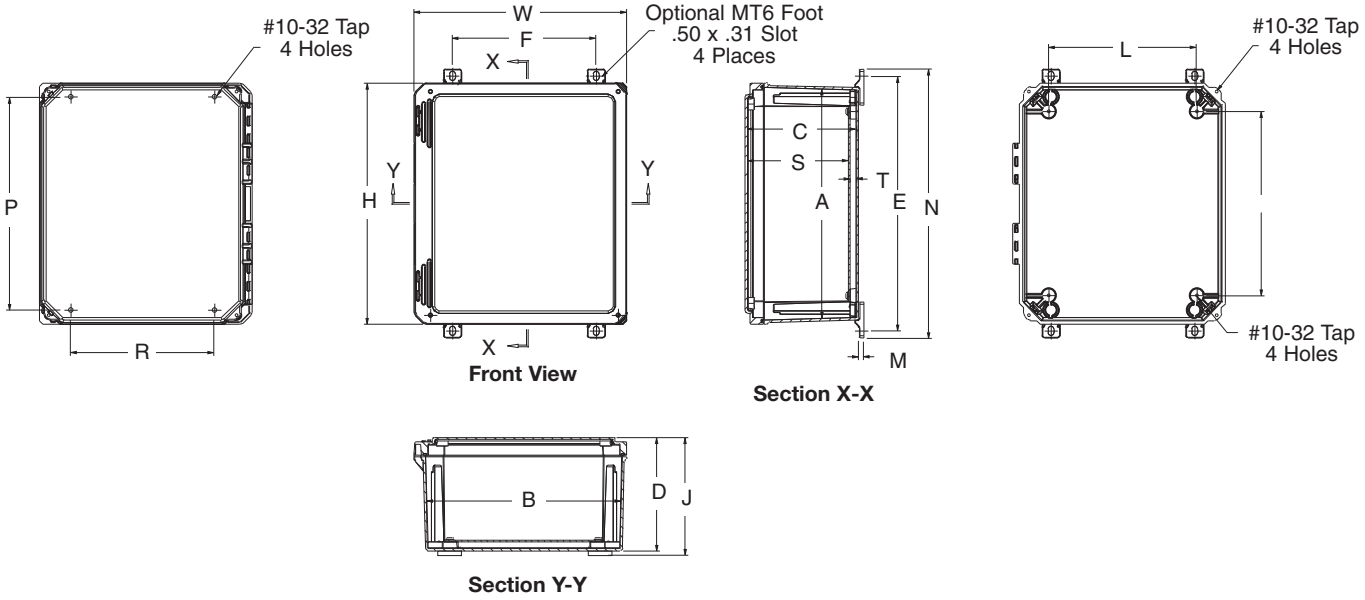
Enclosure Catalog #	Dimensions													
	K		L		S		T		N		J		M	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
664-SDFQR	4.25	108	4.25	108	3.60	91	0.38	9.6	9.02	229	4.56	116	0.25	6.35
864-SDFQR	6.25	159	4.25	108	3.60	91	0.38	9.6	10.98	279	4.56	116	0.25	6.35
884-SDFQR	6.25	159	6.25	159	3.60	91	0.38	9.6	10.98	279	4.56	116	0.25	6.35
1086-SDFQR	8.25	210	6.25	159	5.60	142	0.38	9.6	12.96	329	6.56	167	0.25	6.35
12106-SDFQR	10.25	260	8.25	210	5.60	142	0.38	9.6	14.95	380	6.56	167	0.25	6.35
14126-SDFQR	12.25	311	10.25	260	5.60	142	0.38	9.6	16.98	431	6.59	167	0.25	6.35
14128-SDFQR	12.25	311	10.25	260	7.60	193	0.38	9.6	16.96	431	8.59	218	0.25	6.35
16148-SDFQR	14.25	362	12.25	311	7.60	193	0.38	9.6	19.04	483	8.59	218	0.25	6.35
181610-SDFQR	16.25	413	14.25	362	9.60	244	0.38	9.6	21.02	534	10.59	269	0.25	6.35
201610-SDFQR	18.25	463	14.25	362	9.59	244	0.38	9.6	23.04	585	10.59	269	0.25	6.35

Panel Finishes

Example: AW108__

Insert for __

P = Carbon Steel
SP = Stainless Steel
AP = Aluminum



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

Premier Series Hinge Clear Cover with Quick-Release Pad Lockable Latches

Data Sheet

Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, and hose directed water

Standards

- UL/cUL 50 Listed, Type 1, 3, 3s, 4X, 12, 13
- Conforms to NEMA Standard for Type 1, 3, 3s, 4X, 12, 13
- CSA 22.2, Type 1, 3, 3s, 4X, 12, 13
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Window Flammability Rating: UL94V-0
- Self Extinguishing: Non-halogenated, Non-flame propagating
- Chemical Resistance: (see chart, pages 425 & 427)
- NFPA No. 101 Flame Spread, Class A (1)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Captive screws provide smooth surfaces
- 300 series stainless steel used on all external hardware
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Full 180° door opening
- Padlock latches provide quick access and optional closure (padlock not included)
- Flush mounted scratch and abrasion resistant polycarbonate clear cover option provides internal component visibility

Finish

- Gray color

Accessories

- Back Panels (see page 248)
- Mounting Foot kits (see page 252)
- See accessories (pages 250 - 251)

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Premier Series Hinge Clear Cover with Quick-Release Pad Lockable Latches

Catalog Number

Enclosure Catalog #	Overall Dimensions H x W x D		Inside Dimensions A x B x C		Mtg. Dimension P x R		Optional Feet Mtg. E x F		Panel No.
	in.	mm	in.	mm	in.	mm	in.	mm	
664-SDFQRCC	7.41x7.79x4.31	188x198x109	6.77x6.77x4.06	172x172x103	5.93x4.00	150x101	8.24x4.00	209x101	AW66__
864-SDFQRCC	9.41x7.79x4.31	239x198x109	8.77x6.77x4.06	228x172x103	7.91x4.00	201x101	10.21x4.00	259x101	AW86__
884-SDFQRCC	9.39x9.76x4.31	238x248x109	8.74x8.74x4.06	222x222x103	7.91x6.00	201x152	10.21x6.00	259x152	AW88__
1086-SDFQRCC	11.42x9.79x6.31	290x248x160	10.73x8.73x6.06	272x222x154	9.89x6.00	251x152	12.19x6.00	309x152	AW108__
12106-SDFQRCC	13.45x11.83x6.31	341x300x160	12.69x10.69x6.06	322x271x154	11.88x8.00	302x203	14.18x8.00	360x203	AW1210__
14126-SDFQRCC	15.49x13.86x6.34	393x352x161	14.72x12.72x6.06	374x323x154	13.91x10.00	353x254	16.21x10.00	412x254	AW1412__
14128-SDFQRCC	15.49x13.86x8.34	393x352x212	14.66x12.66x8.06	372x321x205	13.88x10.00	352x254	16.19x10.00	411x254	AW1412__
16148-SDFQRCC	17.58x15.96x8.34	446x405x212	16.69x14.69x8.06	424x373x205	15.96x12.00	405x205	18.26x12.00	464x305	AW1614__

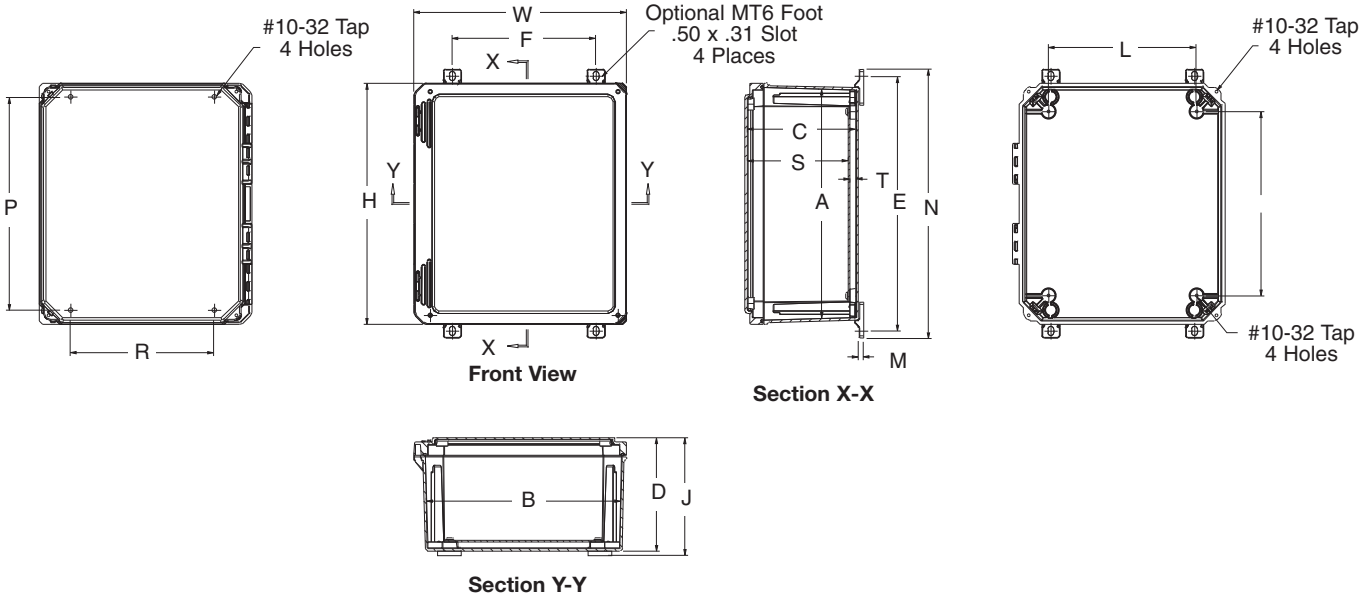
Enclosure Catalog #	Dimensions													
	K		L		S		T		N		J		M	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
664-SDFQRCC	4.25	108	4.25	108	3.60	91	0.38	9.6	9.02	229	4.56	116	0.25	6.35
864-SDFQRCC	6.25	159	4.25	108	3.60	91	0.38	9.6	10.98	279	4.56	116	0.25	6.35
884-SDFQRCC	6.25	159	6.25	159	3.60	91	0.38	9.6	10.98	279	4.56	116	0.25	6.35
1086-SDFQRCC	8.25	210	6.25	159	5.60	142	0.38	9.6	12.96	329	6.56	167	0.25	6.35
12106-SDFQRCC	10.25	260	8.25	210	5.60	142	0.38	9.6	14.95	380	6.56	167	0.25	6.35
14126-SDFQRCC	12.25	311	10.25	260	5.60	142	0.38	9.6	16.98	431	6.59	167	0.25	6.35
14128-SDFQRCC	12.25	311	10.25	260	7.60	193	0.38	9.6	16.96	431	8.59	218	0.25	6.35
16148-SDFQRCC	14.25	362	12.25	311	7.60	193	0.38	9.6	19.04	483	8.59	218	0.25	6.35

Panel Finishes

Example: AW108__

Insert for __

P = Carbon Steel
SP = Stainless Steel
AP = Aluminum



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Small Junction Enclosures

Data Sheet

Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, hose directed water, and prolonged submersion

Standards

- UL/cUL 50 Listed, Type 1, 3R, 4X, 6P, 12
- Conforms to NEMA Standard for Type 1, 3R, 4X, 6P, 12
- CSA 22.2, Type 1, 3R, 4X, 6P, 12
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 425 & 427)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Recessed captive screws provide smooth surfaces
- 300 series stainless steel used on all external hardware
- Rounded edges reduce build-up of dust and debris

Finish

- Gray color

Accessories

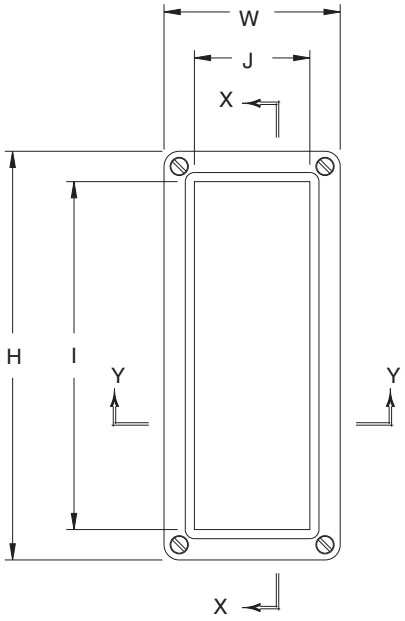
- Mounting Foot kits (see page 252)
- See accessories (pages 250 - 251)

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

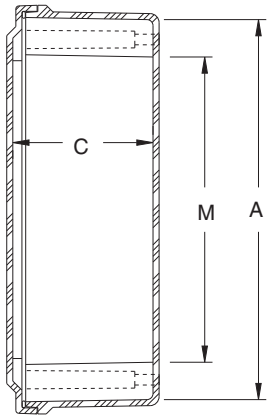
Small Junction Enclosures

Catalog Number

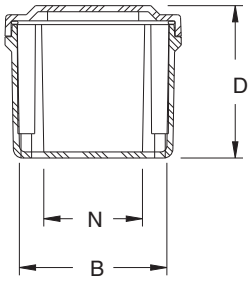
Enclosure Catalog #	Overall Dimensions H x W x D		Inside Dimensions A x B x C		Dimensions											
					I		J		K		L		M		N	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
332-4XFSC	3.72x3.63x2.95	95x92x75	3.13x3.03x2.70	79x77x69	3.22	82	2.12	54	2.31	59	2.75	70	1.59	40	2.03	52
532-4XFSC	5.97x3.63x3.14	152x92x80	5.38x3.03x2.87	137x77x73	5.72	120	2.38	61	4.56	116	2.75	70	3.84	98	2.03	52
644-4XFSC	6.63x3.81x3.89	168x97x99	6.00x3.19x3.63	153x81x92	5.31	135	2.50	64	4.88	124	2.94	75	4.13	105	2.19	56
832-4XFSC	8.41x3.63x3.14	214x92x80	7.82x3.03x2.87	199x77x73	7.16	182	2.38	60	7.00	178	2.75	70	6.28	160	2.03	52
844-4XFSC	8.41x3.63x3.14	225x97x99	8.26x3.19x3.63	210x81x92	7.56	192	2.50	64	7.13	181	2.94	75	6.38	162	2.19	56
932-4XFSC	9.35x3.63x3.14	237x92x80	8.75x3.03x2.87	222x77x73	8.10	206	2.38	60	7.94	202	2.75	70	7.22	183	2.03	52
1144-4XFSC	11.13x3.81x3.89	283x97x99	10.51x3.19x3.63	267x81x92	9.81	249	2.50	64	9.37	238	2.94	75	8.63	219	2.19	56
1432-4XFSC	13.78x3.63x3.14	350x92x80	13.19x3.03x2.87	335x77x73	12.53	318	2.38	60	12.37	314	2.75	70	11.66	296	2.03	52
1732-4XFSC	17.35x3.63x3.14	441x92x80	16.75x3.03x2.87	426x77x73	16.10	409	2.38	60	15.94	405	2.75	70	15.22	387	2.03	52



Front View



Section X-X



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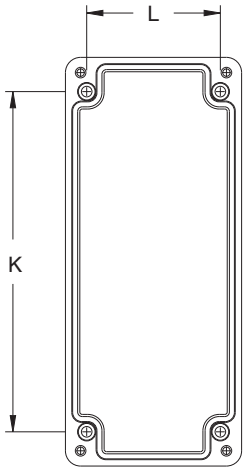


Front View Without Cover

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

Small Junction Enclosures

Data Sheet

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Captive screws provide smooth surfaces
- 300 series stainless steel used on all external hardware
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Stainless steel beaded chain for securing cover after lift off

Finish

- Gray color

Accessories

- Back Panels (see page 248)
- Mounting Foot kits (see page 252)
- See accessories (pages 250 - 251)

Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, hose directed water, and prolonged submersion

Standards

- UL/cUL 50 Listed, Type 1, 3R, 4X, 6P, 12
- Conforms to NEMA Standard for Type 1, 3R, 4X, 6P, 12
- CSA 22.2, Type 1, 3R, 4X, 6P, 12
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 425 & 427)

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Small Junction Enclosures

Catalog Number

Enclosure Catalog #	Overall Dimensions H x W x D		Inside Dimensions A x B x C		Dimensions								Panel No.
					E		F		J		K		
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
763-4XFSC	7.63x6.63x3.19	194x168x81	6.90x5.90x2.88	175x150x73	5.37	137	5.63	143	2.48	63	5.37	137	AW76__
963-4XFSC	9.87x6.63x3.19	251x168x81	9.15x5.90x2.88	232x150x73	7.62	194	5.63	143	2.48	63	7.62	194	AW96__

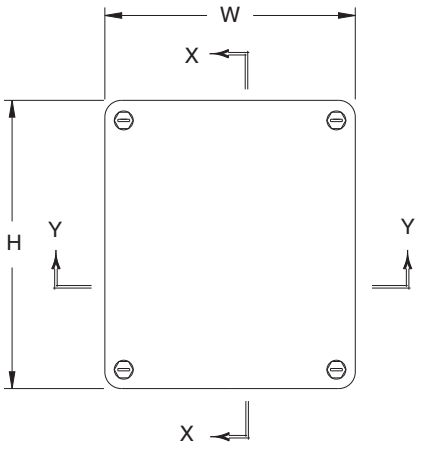
Enclosure Catalog #	Dimensions					
	L		M		N	
	in.	mm	in.	mm	in.	mm
763-4XFSC	4.25	108	4.52	115	4.90	124
963-4XFSC	4.25	108	6.77	172	4.90	124

Panel Finishes

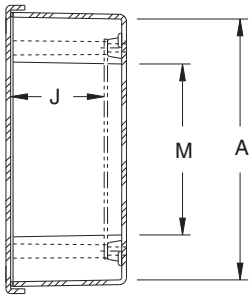
Example: AW108__

Insert for __

P = Carbon Steel
SP = Stainless Steel
AP = Aluminum



Front View



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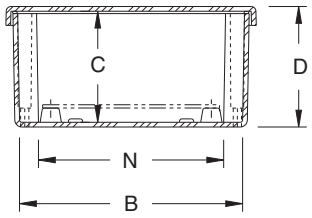

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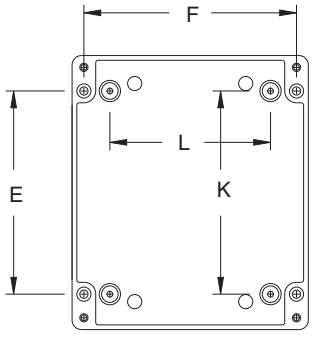


Front View Without Cover

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

In-Line 30 mm Pushbutton Enclosures

Data Sheet

Application

- Designed to mount standard oil-tight pushbuttons, pilot lights, and switches
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, hose directed water, and prolonged submersion

Standards

- UL/cUL 50 Listed, Type 1, 3, 4X, 6P, 12
- Conforms to NEMA Standard for Type 1, 3, 4X, 6P, 12
- CSA 22.2, Type 1, 3, 4X, 6P, 12
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 425 & 427)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Recessed captive screws provide smooth surfaces
- Secure mounting of pushbutton in non-rotatable notched key hole
- 300 series stainless steel used on all external hardware
- Rounded edges reduce build-up of dust and debris
- Full metal grounding strap is provided

Finish

- Gray color

Accessories

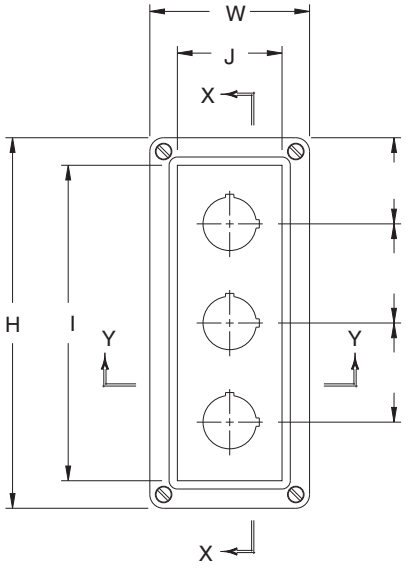
- See accessories (pages 250 - 251)

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

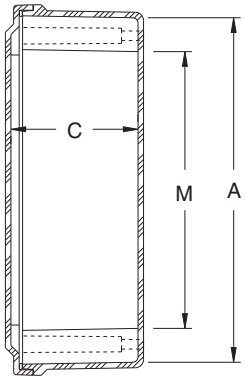
In-Line 30 mm Pushbutton Enclosures

Catalog Number

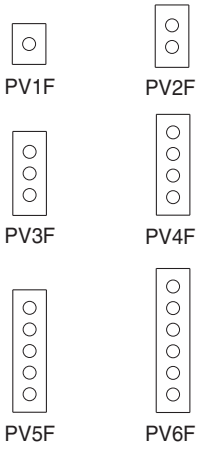
Enclosure Catalog #	Overall Dimensions H x W x D		Inside Dimensions A x B x C		Dimensions													
					I		J		K		L		M		N		O	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
PV1F	6.63x3.81x3.89	168x97x99	6.00x3.19x3.63	153x81x92	5.31	135	2.50	64	4.88	124	2.94	75	4.13	105	2.19	56	3.31	84
PV2F	6.63x3.81x3.89	168x97x99	6.00x3.19x3.63	153x81x92	5.31	135	2.50	64	4.88	124	2.94	75	4.13	105	2.19	56	2.19	56
PV3F	8.88x3.81x3.89	225x97x99	8.26x3.19x3.63	210x81x92	7.56	192	2.50	64	7.13	181	2.94	75	6.38	162	2.19	56	2.19	56
PV4F	11.13x3.81x3.89	283x97x99	10.51x3.19x3.63	267x81x92	9.81	249	2.50	64	9.37	238	2.94	75	8.63	219	2.19	56	2.19	56
PV5F	13.78x3.63x3.14	350x92x80	13.19x3.03x2.87	335x77x73	12.53	318	2.38	60	12.37	314	2.75	70	11.66	296	2.03	52	2.39	61
PV6F	17.35x3.63x3.14	441x92x80	16.75x3.03x2.87	426x77x73	16.10	409	2.38	60	15.94	405	2.75	70	15.22	387	2.03	52	3.05	77

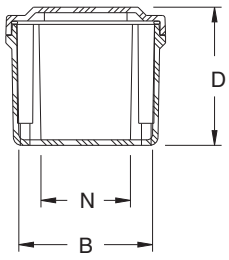


Front View

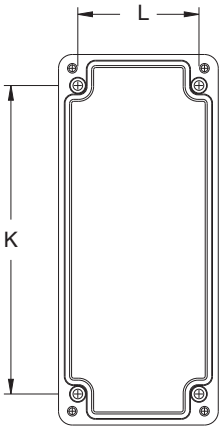


Section X-X

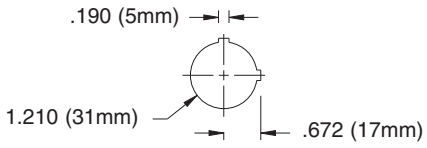




Section Y-Y



Front View
Without Cover



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

In-Line 22 mm Pushbutton Enclosures

Data Sheet

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Recessed captive screws provide smooth surfaces
- Secure mounting of pushbutton in non-rotatable notched key hole
- 300 series stainless steel used on all external hardware
- Rounded edges reduce build-up of dust and debris
- Full metal grounding strap is provided

Finish

- Gray color

Accessories

- See accessories (page 250 - 251)

Application

- Designed to mount standard oil-tight pushbuttons, pilot lights, and switches
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, hose directed water, and prolonged submersion

Standards

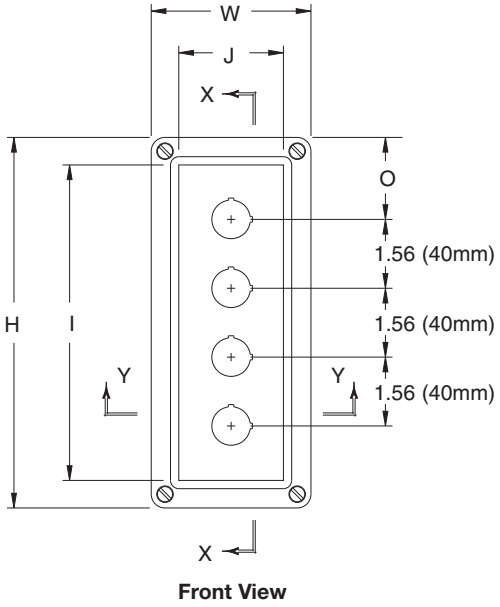
- UL/cUL 50 Listed, Type 1, 3, 4X, 6P, 12
- Conforms to NEMA Standard for Type 1, 3, 4X, 6P, 12
- CSA 22.2, Type 1, 3, 4X, 6P, 12
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 425 & 427)

Notes: Copper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

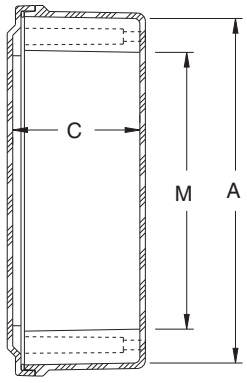
In-Line 22 mm Pushbutton Enclosures

Catalog Number

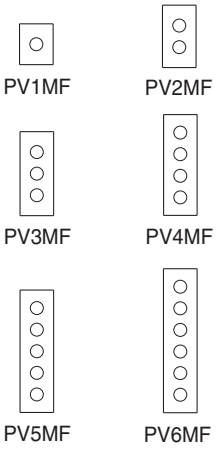
Enclosure Catalog #	Overall Dimensions H x W x D		Inside Dimensions A x B x C		Dimensions													
					I		J		K		L		M		N		O	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
PV1MF	6.63x3.81x3.89	168x97x99	6.00x3.19x3.63	153x81x92	5.31	135	2.50	64	4.88	124	2.94	75	4.13	105	2.19	56	3.31	84
PV2MF	6.63x3.81x3.89	168x97x99	6.00x3.19x3.63	153x81x92	5.31	135	2.50	64	4.88	124	2.94	75	4.13	105	2.19	56	2.19	56
PV3MF	6.63x3.81x3.89	225x97x99	6.00x3.19x3.63	153x81x92	5.31	135	2.50	64	4.88	124	2.94	75	4.13	105	2.19	56	1.75	44
PV4MF	8.88x3.81x3.89	225x97x99	8.26x3.19x3.63	210x81x92	7.56	192	2.50	64	7.13	181	2.94	75	6.38	162	2.19	56	2.09	53
PV5MF	11.13x3.81x3.89	283x97x99	10.51x3.19x3.63	267x81x92	9.81	249	2.50	64	9.37	238	2.94	75	8.63	219	2.19	56	2.44	62
PV6MF	11.13x3.81x3.89	283x97x99	10.51x3.19x3.63	267x81x92	9.81	249	2.50	64	9.37	238	2.94	75	8.63	219	2.19	56	1.66	42

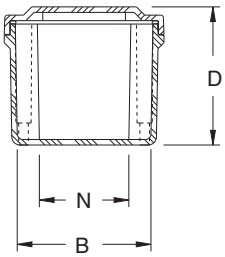


Front View



Section X-X





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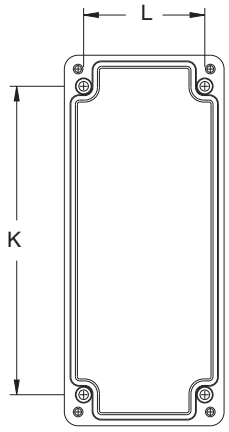
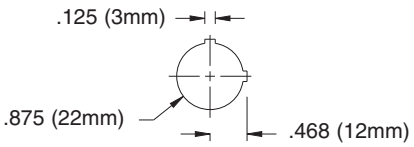


Front View
Without Cover



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Multi-Hole Pushbutton Enclosures

Data Sheet

Application

- Designed to mount standard oil-tight pushbuttons, pilot lights, and switches
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, hose directed water, and prolonged submersion

Standards

- UL/cUL 50 Listed, Type 1, 3, 4X, 6P, 12
- Conforms to NEMA Standard for Type 1, 3, 4X, 6P, 12
- CSA 22.2, Type 1, 3, 4X, 6P, 12
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 425 & 427)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Captive screws provide smooth surfaces
- Secure mounting of pushbutton in non-rotatable notched key hole
- 300 series stainless steel used on all external hardware
- Integral flange molded in place for ease of mounting
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Full metal grounding strap is provided
- Stainless steel beaded chain for securing cover after lift off

Finish

- Gray color

Accessories

- Back Panels (page 248)
- See accessories (pages 250 - 251)

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Multi-Hole Pushbutton Enclosures

Catalog Number

Enclosure Catalog #	Overall Dimensions H x W x D		Inside Dimensions A x B x C		E		F		Hole Dia.		Panel No.
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
PB4F	7.50x7.50x4.75	191x191x121	5.72x5.72x4.45	145x145x113	6.75	171	4.00	101	0.31	8	AW66__
PB6F	9.62x7.50x4.74	244x191x121	7.73x5.74x4.45	196x146x113	8.88	225	4.00	101	0.31	8	AW86__
PB9F	11.62x9.41x4.25	295x239x108	9.73x7.73x3.98	247x196x101	10.75	273	6.00	152	0.31	8	AW108__

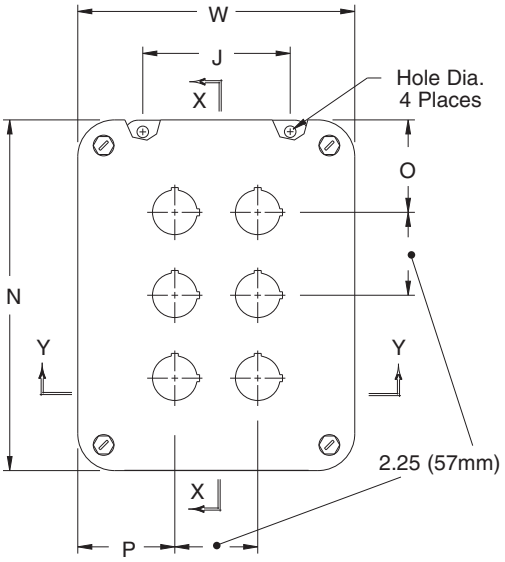
Enclosure Catalog #	Dimensions													
	J		K		L		M		N		O		P	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
PB4F	4.00	101	4.25	108	4.25	108	0.25	6	7.52	191	2.64	67	2.64	67
PB6F	4.00	101	6.25	159	4.25	108	0.25	6	9.50	242	2.64	67	2.51	64
PB9F	3.50	89	8.25	209	6.25	159	0.25	6	11.35	288	3.43	87	2.45	62

Panel Finishes

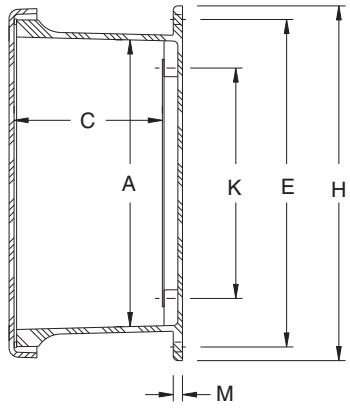
Example: AW108__

Insert for __

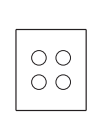
P = Carbon Steel
SP = Stainless Steel
AP = Aluminum



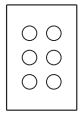
Front View



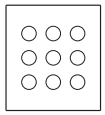
Section X-X



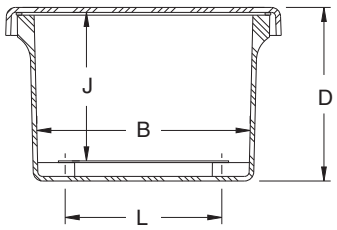
PB4F



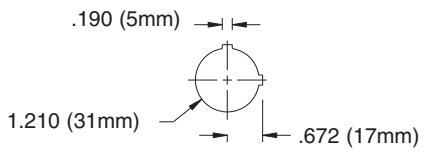
PB6F



PB9F



Section Y-Y



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

Type 3R Panel Enclosures

Data Sheet

Application

- Houses electrical, electronic, instrument, and mechanical controls
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, falling rain, sleet, and external ice formation

Standards

- UL/cUL 50 Listed, Type 1, 3, 3R
- Conforms to NEMA Standard for Type 1, 3, 3R
- CSA 22.2, Type 1, 3, 3R
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 425 & 427)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Rain shield to protect against incidental water ingress
- Twistlock latches provide ease of entry into enclosure
- 300 series stainless steel used on all external hardware
- Integral mounting feet molded in place for ease of mounting
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Full length stainless steel hinged cover
- Built in padlock hasp provide optional secure closure (padlock not included)

Finish

- Gray color

Accessories

- Back Panels (pages 248 - 249)
- See accessories (pages 250 - 251)

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3R Panel Enclosures

Catalog Number

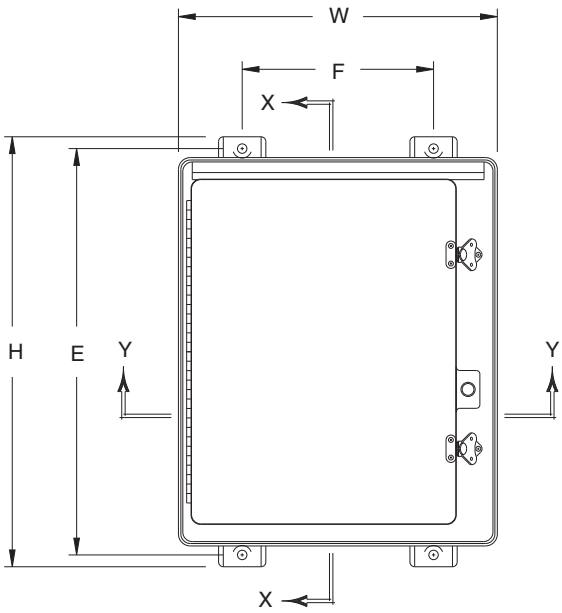
Enclosure Catalog #	Overall Dimensions H x W x D		Inside Dimensions A x B x C		Dimensions														Panel Number
					E		F		J		K		L		M		N		
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
242410-RHCF	27.00x25.24x11.90	686x641x302	24.05x24.39x11.25	611x619x286	25.75	654	17.87	454	10.25	260	19.25	489	19.25	489	21.25	540	20.00	508	AWF2424__
30208-RHCF	32.86x20.99x9.89	835x533x251	29.90x20.14x9.23	760x511x234	31.75	806	14.25	362	8.23	209	25.25	641	15.25	387	27.00	686	16.50	419	AWF3020__
302010-RHCF	32.86x20.99x11.89	835x533x302	29.90x20.14x11.23	760x511x285	31.75	806	14.25	362	10.23	260	25.25	641	15.25	387	27.00	686	16.50	419	AWF3020__
302410-RHCF	33.41x26.32x11.95	849x668x304	30.46x25.47x11.27	774x647x286	32.25	819	18.50	470	10.27	261	25.25	641	19.25	489	27.38	695	21.25	540	AWF3024__
302412-RHCF	33.41x26.32x13.79	849x668x350	30.46x25.47x13.10	774x647x333	32.25	819	18.50	470	12.10	307	25.25	641	19.25	489	27.38	695	21.25	540	AWF3024__
36308-RHCF	39.31x32.50x10.05	999x826x255	36.31x31.69x9.36	922x805x238	38.13	968	23.88	606	8.36	212	31.25	794	25.25	641	33.25	845	27.25	692	AWF3630__
363010-RHCF	39.31x32.50x12.05	999x826x306	36.31x31.69x11.36	922x805x289	38.13	968	23.88	606	10.36	263	31.25	794	25.25	641	33.25	845	27.25	692	AWF3630__
363012-RHCF	39.31x32.50x14.05	999x826x357	36.31x31.69x13.36	922x805x339	38.13	968	23.88	606	12.36	314	31.25	794	25.25	641	33.25	845	27.25	692	AWF3630__
483612-RHCF	51.29x36.62x14.43	1303x930x367	48.33x36.22x13.25	1228x920x336	50.12	1273	29.25	743	12.25	311	43.25	1099	31.25	794	45.25	1149	32.00	813	AWF4836__
483616-RHCF	51.29x36.62x18.43	1303x930x468	48.33x36.22x17.25	1228x920x438	50.12	1273	29.25	743	16.25	413	43.25	1099	31.25	794	45.25	1149	32.00	813	AWF4836__

Panel Finishes

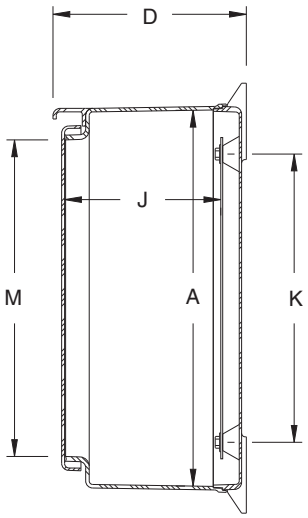
Example: AW108__

Insert for __

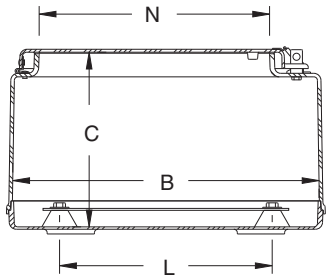
P = Carbon Steel
SP = Stainless Steel
AP = Aluminum



Front View



Section X-X



Section Y-Y

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

NEMA 4X Single & Double Door Enclosures

Data Sheet

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Twistlock latches provide ease of entry into enclosure
- 300 series stainless steel used on all external hardware
- Integral mounting feet molded in place for ease of mounting
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Full length stainless steel hinged cover
- Built in padlock hasp provide optional secure closure (padlock not included)

Finish

- Gray color

Accessories

- Back Panels (pages 248 - 249)
- See accessories (pages 250 - 251)

Application

- Houses electrical, electronic, instrument, and mechanical controls
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, and hose directed water

Standards

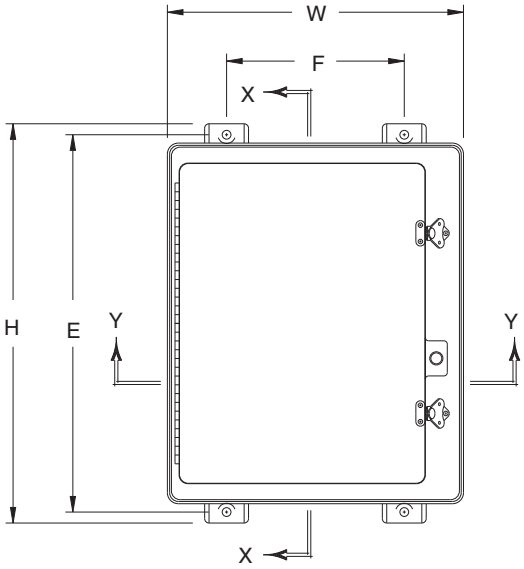
- UL/cUL 50 Listed, Type 1, 3, 3R, 4X, 12
- Conforms to NEMA Standard for Type 1, 3, 3R, 4X, 12
- CSA 22.2, Type 1, 3, 3R, 4X, 12
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 425 & 427)

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

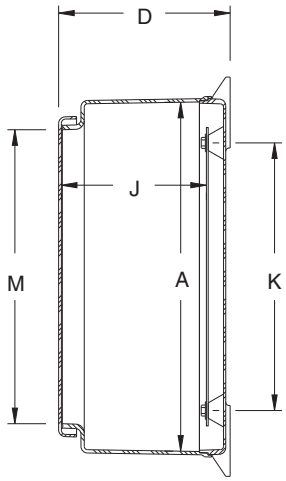
NEMA 4X Single Door Enclosures

Catalog Number

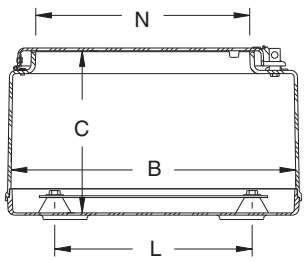
Enclosure Catalog #	Overall Dimensions H x W x D		Inside Dimensions A x B x C		Dimensions														Panel Number
					E		F		J		K		L		M		N		
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
201612-4XF	22.75x16.87x13.77	578x429x350	19.70x16.04x13.24	500x407x336	21.50	546	10.12	257	12.26	312	15.25	387	11.25	286	16.75	425	12.19	310	AW2016__
24126-4XF	26.95x13.72x7.98	685x348x203	24.00x12.87x7.33	610x327x186	25.75	654	6.25	159	6.33	161	19.25	489	7.25	184	21.00	533	8.37	213	AW2412__
241210-4XF	26.95x13.72x11.99	685x348x304	24.00x12.87x11.33	610x327x288	25.75	654	6.25	159	10.33	262	19.25	489	7.25	184	21.00	533	8.37	213	AW2412__
24208-4XF	27.00x21.24x9.90	686x539x252	24.05x20.39x9.25	611x518x235	25.75	654	14.00	356	8.25	209	19.25	489	15.25	387	21.25	540	16.00	406	AWF2420__
242410-4XF	27.00x25.24x11.90	686x641x302	24.05x24.39x11.25	611x619x286	25.75	654	17.87	454	10.25	260	19.25	489	19.25	489	21.25	540	20.00	508	AWF2424__
242412-4XF	27.00x25.24x13.90	686x641x353	24.05x24.39x13.25	611x619x336	25.75	654	17.87	454	12.25	311	19.25	489	19.25	489	21.25	540	20.00	508	AWF2424__
30206-4XF	32.86x20.99x7.89	835x533x200	29.90x20.14x7.23	760x511x184	31.75	806	14.25	362	6.23	158	25.25	641	15.25	387	27.00	686	16.50	419	AWF3020__
30208-4XF	32.86x20.99x9.89	835x533x251	29.90x20.14x9.23	760x511x234	31.75	806	14.25	362	8.23	209	25.25	641	15.25	387	27.00	686	16.50	419	AWF3020__
302010-4XF	32.86x20.99x11.89	835x533x302	29.90x20.14x11.23	760x511x285	31.75	806	14.25	362	10.23	260	25.25	641	15.25	387	27.00	686	16.50	419	AWF3020__
302012-4XF	32.86x20.99x13.89	835x533x353	29.90x20.14x13.23	760x511x336	31.75	806	14.25	362	12.23	311	25.25	641	15.25	387	27.00	686	16.50	419	AWF3020__
30248-4XF	33.41x26.32x8.81	849x668x224	30.46x25.47x8.12	774x647x206	32.25	819	18.50	470	7.12	181	25.25	641	19.25	489	27.38	695	21.25	540	AWF3024__
302410-4XF	33.41x26.32x11.95	849x668x304	30.46x25.47x11.27	774x647x286	32.25	819	18.50	470	10.27	261	25.25	641	19.25	489	27.38	695	21.25	540	AWF3024__
302412-4XF	33.41x26.32x13.79	849x668x350	30.46x25.47x13.10	774x647x333	32.25	819	18.50	470	12.10	307	25.25	641	19.25	489	27.38	695	21.25	540	AWF3024__
36308-4XF	39.31x32.50x10.05	999x826x255	36.31x31.69x9.36	922x805x238	38.13	968	23.88	606	8.36	212	31.25	794	25.25	641	33.25	845	27.25	692	AWF3630__
363010-4XF	39.31x32.50x12.05	999x826x306	36.31x31.69x11.36	922x805x289	38.13	968	23.88	606	10.36	263	31.25	794	25.25	641	33.25	845	27.25	692	AWF3630__
363012-4XF	39.31x32.50x14.05	999x826x357	36.31x31.69x13.36	922x805x339	38.13	968	23.88	606	12.36	314	31.25	794	25.25	641	33.25	845	27.25	692	AWF3630__
483612-4XF	51.29x36,62x13.79	1303x930x350	48.33x36.22x13.25	1228x920x336	50.12	1273	28.50	724	12.25	311	21.63	549	31.25	794	45.25	1149	32.00	813	AWF4836__
483616-4XF	51.29x36,62x17.79	1303x9304x56	48.33x36.22x17.25	1228x920x438	50.12	1273	28.50	724	16.25	413	21.63	549	31.25	794	45.25	1149	32.00	813	AWF4836__
603612-4XF	64.00x36.50x14.12	1627x927x359	60.62x36.13x13.44	1540x918x341	62.75	1594	28.75	730	12.44	316	27.63	702	31.25	794	57.25	1454	32.00	813	AWF6036__
603616-4XF	64.00x36.50x18.12	1627x927x460	60.62x36.13x17.44	1540x918x442	62.75	1594	28.75	730	16.44	418	27.63	702	31.25	794	57.25	1454	32.00	813	AWF6036__



Front View



Section X-X



Section Y-Y

Panel Finishes

Example: AW108__

Insert for __

P = Carbon Steel
SP = Stainless Steel
AP = Aluminum

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 4X Double Door Enclosures

Data Sheet

Enclosure Catalog #	Overall Dimensions H x W x D		Inside Dimensions A x B x C		Dimensions														Panel Number
					E		F		J		K		L		M		N		
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
364812-4XFD	39.50x48.50x13.62	1003x1232x346	36.12x48.12x13.00	917x1222x330	38.25	972	40.50	1029	11.94	303	14.50	368	20.00	508	32.00	813	20.75	527	*

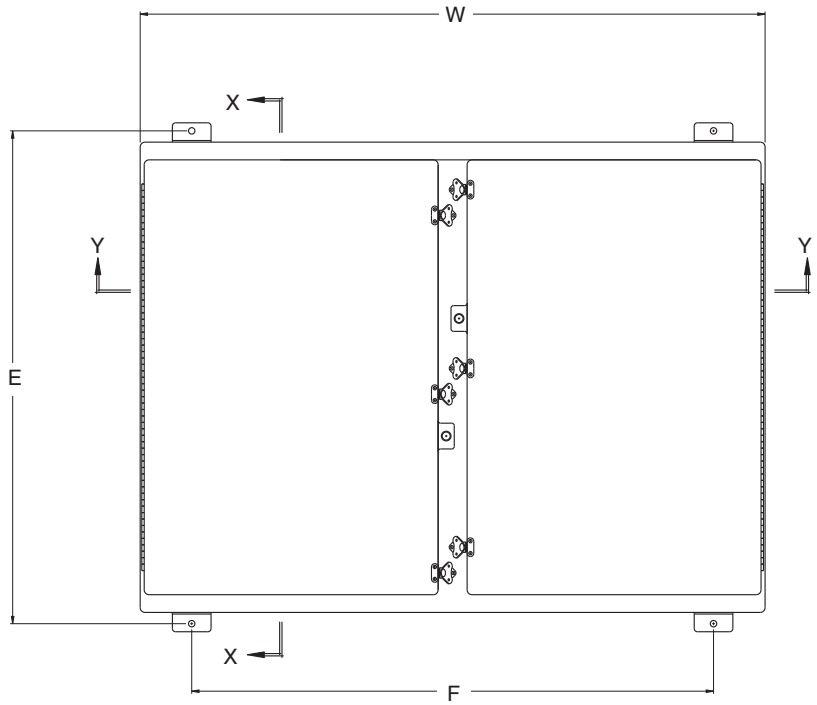
* When ordering fiberglass back panel (AWF3648PF), the part number includes two (2) panels
When ordering steel or aluninum panels (AWF3622__), the part number includes only one (1) panel - two (2) may be required

Panel Finishes

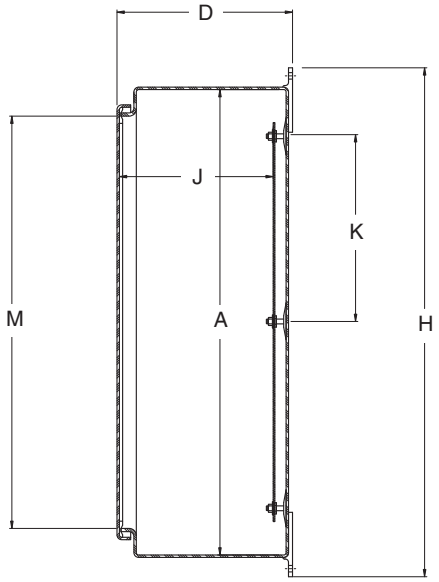
Example: AW108__

Insert for __

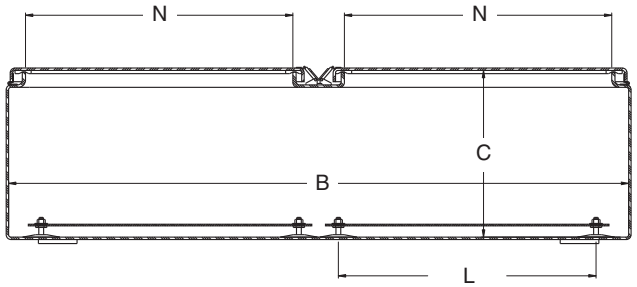
P = Carbon Steel
SP = Stainless Steel
AP = Aluminum



Front View



Section X-X



Section Y-Y

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 4X Free Standing Single & Double Door Enclosures

Data Sheet

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Twistlock latches provide ease of entry into enclosure
- 300 series stainless steel used on all external hardware
- Integral mounting bosses utilize threaded brass inserts for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Full length stainless steel hinged cover
- Built in padlock hasp provide optional secure closure (padlock not included)

Finish

- Gray color

Accessories

- Back Panels (pages 248 - 249)
- See accessories (pages 250 - 251)

Application

- Houses electrical, electronic, instrument, and mechanical controls
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, and hose directed water

Standards

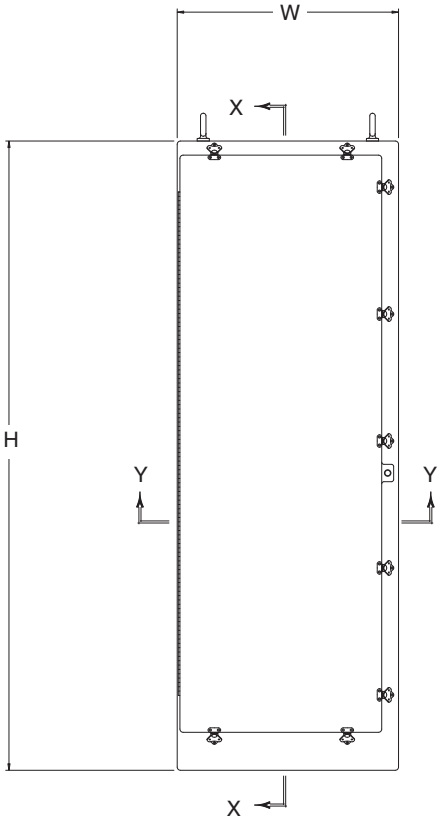
- UL/cUL 50 Listed, Type 1, 3, 3R, 4X, 12
- Conforms to NEMA Standard for Type 1, 3, 3R, 4X, 12
- CSA 22.2, Type 1, 3, 3R, 4X, 12
- Temperature Range: -40°F to 250°F (040°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 425 & 427)

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

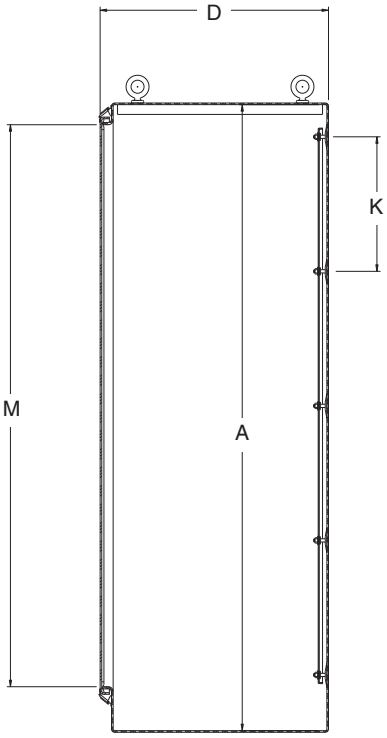
NEMA 4X Free Standing Single Door Enclosures

Catalog Number

Enclosure Catalog #	Overall Dimensions H x W x D		Inside Dimensions A x B x C		Dimensions										Panel Number
					J		K		L		Enclosure Opening M		N		
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
723618-4XFFS	72.5x36.5x19.38	1841x927x492	72.0x36.0x18.88	1829x914x479	17.88	454	15.50	388	30.00	762	64.75	1645	32.00	813	AWF7236__
723624-4XFFS	72.5x36.5x25.38	1841x927x644	72.0x36.0x24.88	1829x914x631	23.88	606	15.50	388	30.00	762	64.75	1645	32.00	813	AWF7236__
903636-4XFFS	90.5x36.5x37.88	2299x927x949	90.0x36.0x37.38	2286x914x949	36.25	921	20.00	508	30.00	762	82.75	2102	32.00	813	AWF9036__



Front View



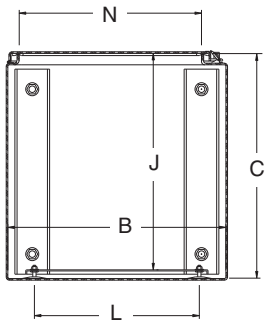
Section X-X

Panel Finishes

Example: AW108__

Insert for __

P = Carbon Steel
SP = Stainless Steel
AP = Aluminum



Section Y-Y

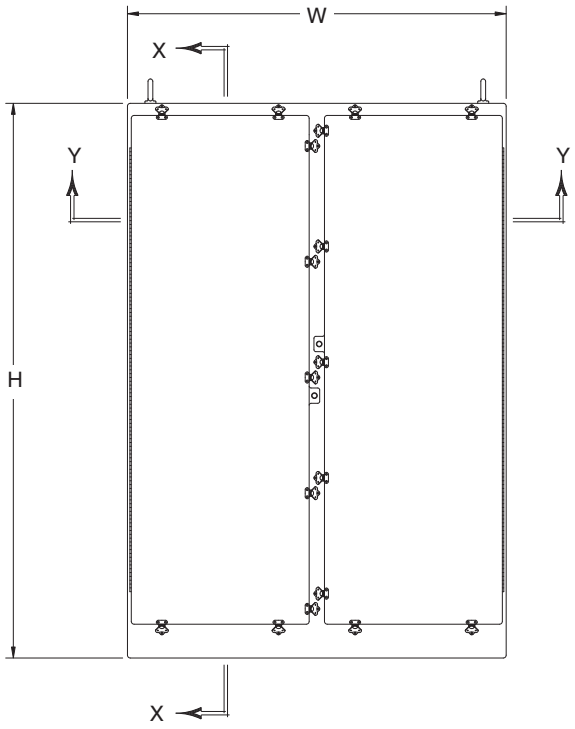
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 4X Free Standing Double Door Enclosures

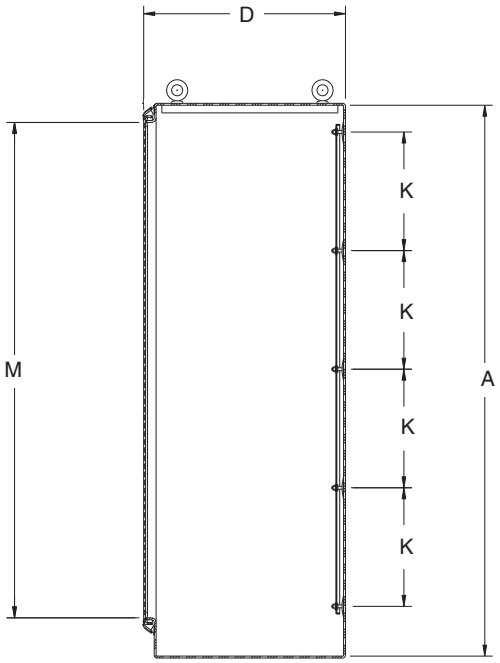
Catalog Number

Enclosure Catalog #	Overall Dimensions H x W x D		Inside Dimensions A x B x C		Dimensions										Panel Number
					J		K		L		Enclosure Opening M		N		
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
724818-4XFFSD	72.5x58.5x19.38	1841x1232x492	72.0x48.0x18.88	1829x1219x476	17.88	454	15.50	388	19.50	495	64.75	1645	20.50	521	*AWF7221
727218-4XFFSD	72.5x72.5x19.38	1841x1842x492	72.0x72.0x18.88	1829x1829x479	17.88	454	15.50	388	31.50	800	64.75	1645	32.50	826	*AWF7233

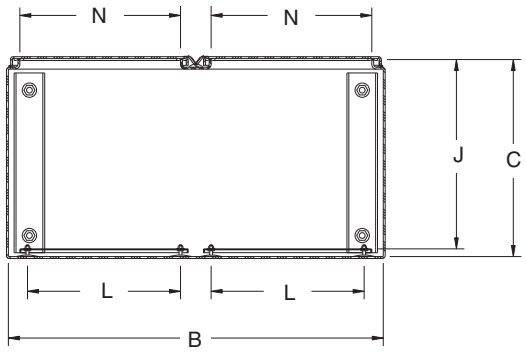
* When ordering panels, the part number includes only one (1) panel - two (2) are required



Front View



Section X-X



Section Y-Y

Panel Finishes

Example: AW108__

Insert for __

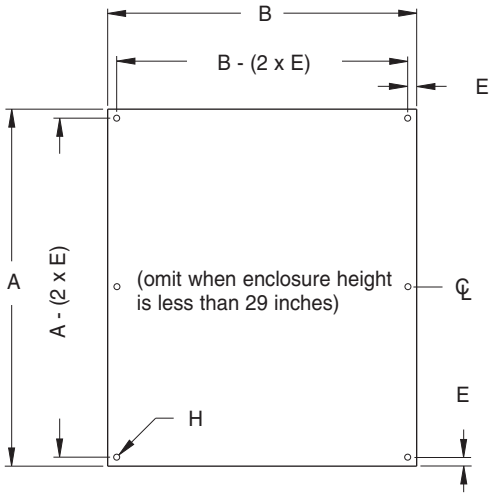
P = Carbon Steel
SP = Stainless Steel
AP = Aluminum

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

Data & Catalog Number

Back Panels



Flat Panel for Fiberglass Enclosures			A		B		E		Hole Dia. H		Gauge	Fits Enclosure (Nominal) Height x Width	
Steel	Painted Stainless	Aluminum	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm
AW64P	AW64SP	AW64AP	4.87	124	2.87	73	0.31	8	0.25	6	14	6.00x4.00	152x102
AW66P	AW66SP	AW66AP	4.87	124	4.87	124	0.31	8	0.25	6	14	6.00x6.00	152x152
AW76P	AW76SP	AW76AP	6.00	152	4.87	124	0.31	8	0.25	6	14	7.00x6.00	178x152
AW86P	AW86SP	AW86AP	6.87	174	4.87	124	0.31	8	0.25	6	14	8.00x6.00	203x152
AW88P	AW88SP	AW88AP	6.87	174	6.87	174	0.31	8	0.25	6	14	8.00x8.00	203x203
AW96P	AW96SP	AW96AP	8.25	209	4.87	124	0.31	8	0.25	6	14	9.00x6.00	228x152
AW108P	AW108SP	AW108AP	8.87	225	6.87	174	0.31	8	0.25	6	14	10.00x8.00	254x203
AW1210P	AW1210SP	AW1210AP	10.87	276	8.87	225	0.31	8	0.25	6	14	12.00x10.00	305x254
AW1212P	AW1212SP	AW1212AP	10.87	276	10.87	276	0.31	8	0.25	6	14	12.00x12.00	305x305
AW147P	AW147SP	AW147AP	12.87	327	5.87	149	0.31	8	0.25	6	14	14.00x7.00	356x178
AW1412P	AW1412SP	AW1412AP	12.87	327	10.87	276	0.31	8	0.25	6	14	14.00x12.00	356x305
AW1614P	AW1614SP	AW1614AP	14.87	378	12.87	327	0.31	8	0.25	6	14	16.00x14.00	406x356
AW1816P	AW1816SP	AW1816AP	16.88	429	14.88	378	0.31	8	0.25	6	14	18.00x16.00	457x406
AW2016PJ	AW2016SPJ	AW2016APJ	18.88	479	14.88	378	0.31	8	0.25	6	14	20.00x16.00	508x406
AW2016P	AW2016SP	AW2016AP	17.00	432	13.00	330	0.88	22	0.56	14	12	20.00x16.00	508x406
AW2412P	AW2412SP	AW2412AP	21.00	533	9.00	229	0.88	22	0.56	14	12	24.00x12.00	610x305
AWF2420P	AWF2420SP	AWF2420AP	21.00	533	17.00	432	0.88	22	0.56	14	12	24.00x20.00	610x508
AWF2424P	AWF2424SP	AWF2424AP	21.00	533	21.00	533	0.88	22	0.56	14	12	24.00x24.00	610x610
AWF3020P	AWF3020SP	AWF3020AP	27.00	686	17.00	432	0.88	22	0.56	14	12	30.00x20.00	762x508
AWF3024P	AWF3024SP	AWF3024AP	27.00	686	21.00	533	0.88	22	0.56	14	12	30.00x24.00	762x610
AWF3622P	AWF3622SP	AWF3622AP	31.00	787	22.00	559	1.00	25	0.56	14	12	36.00x48.00	914x1219
AWF3630P	AWF3630SP	AWF3630AP	33.00	838	27.00	686	0.88	22	0.56	14	12	36.00x30.00	914x762

Aluminum (AP) - 3003 H14 Grade - No Finish
Stainless Steel (SP) - Grade 304
Carbon Steel (P) - Grade 1010 CRS - Painted White Enamel

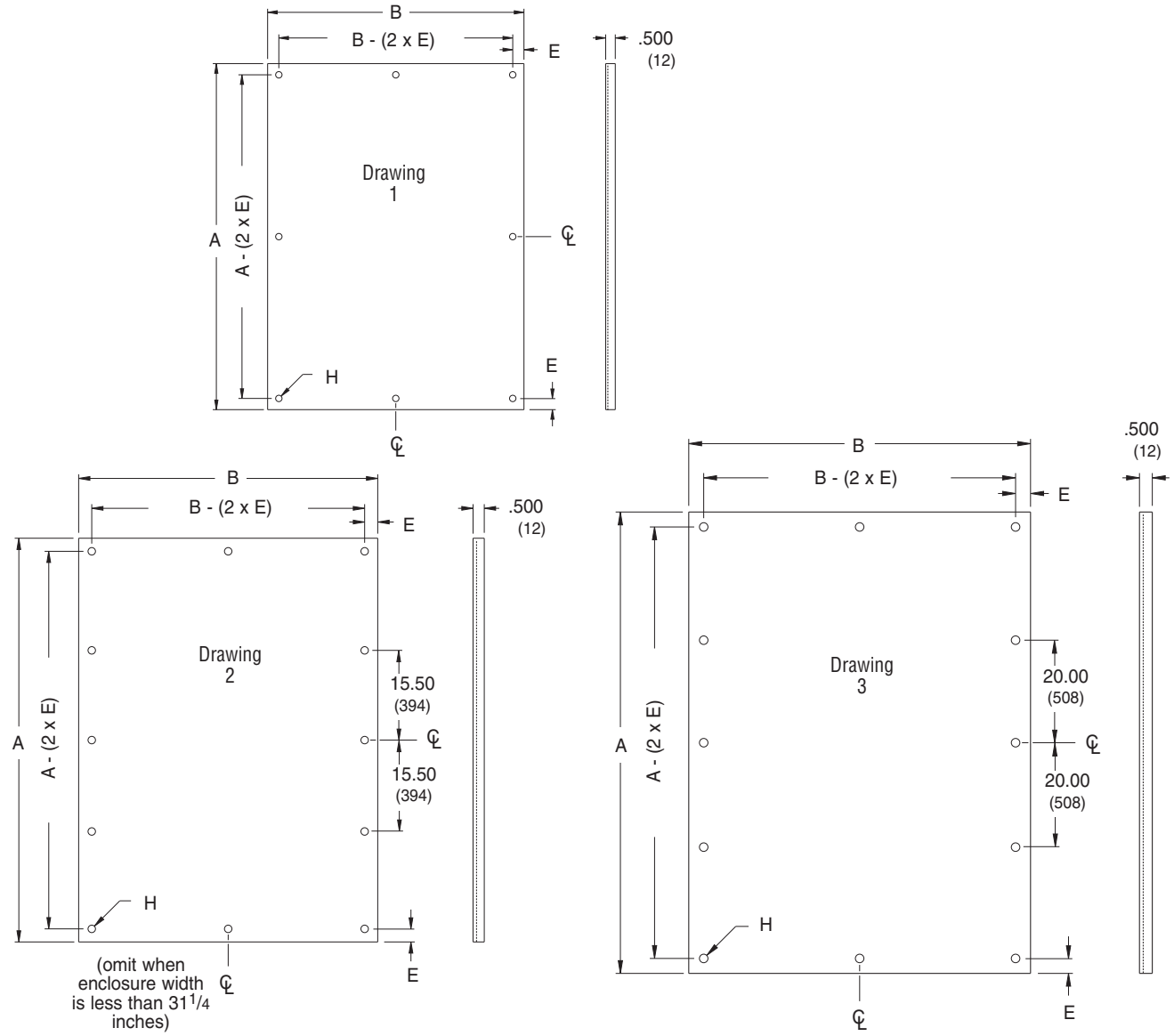
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

Data & Catalog Number

Back Panels

Flanged Panel for Fiberglass Enclosures			A		B		E		Hole Dia. H			Fits Enclosure (Nominal) Height x Width		See Drawing
Painted Steel	Stainless	Aluminum	in.	mm	in.	mm	in.	mm	in.	mm	Gauge	in.	mm	
AWF4836P	AWF4836SP	AWF4836AP	45.00	1143	33.00	838	0.88	22	0.56	14	12	48.00x36.00	1219x914	1
AWF6036P	AWF6036SP	AWF6036AP	57.00	1448	33.00	838	0.88	22	0.56	14	12	60.00x36.00	1524x914	
AWF7221P	AWF7221SP	AWF7221AP	64.00	1625	21.50	546	1.00	25	0.56	14	12	72.00x48.00	1829x1219	2
AWF7224P	AWF7224SP	AWF7224AP	64.00	1625	20.00	508	1.00	25	0.56	14	12	72.00x24.00	1829x609	
AWF7233P	AWF7233SP	AWF7233AP	64.00	1625	33.50	851	1.00	25	0.56	14	12	72.00x72.00	1829x1829	
AWF7236P	AWF7236SP	AWF7236AP	64.00	1625	32.00	813	1.00	25	0.56	14	12	72.00x36.00	1829x914	
--	--	--	64.00	1625	21.50	546	1.00	25	0.56	14	12	72.00x48.00	1829x1219	
--	--	--	64.00	1625	33.50	851	1.00	25	0.56	14	12	72.00x72.00	1829x1329	
AWF9036P	AWF9036SP	AWFF9036AP	82.00	2083	32.00	813	1.00	25	0.56	14	12	90.00x36.00	2286x914	3



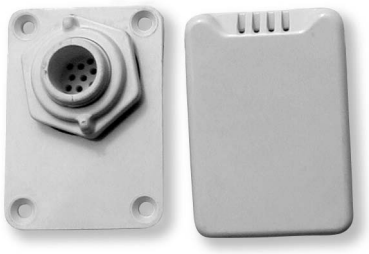
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

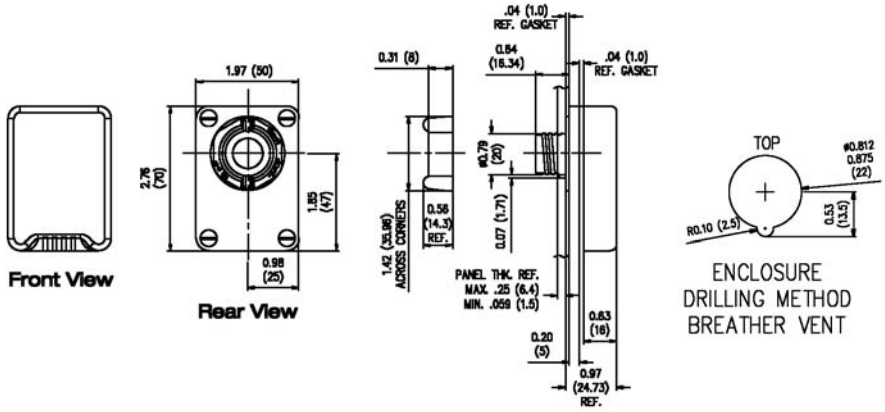
Accessories

Data & Catalog Number

Breather Vent

Enclosure Catalog #
BV4X

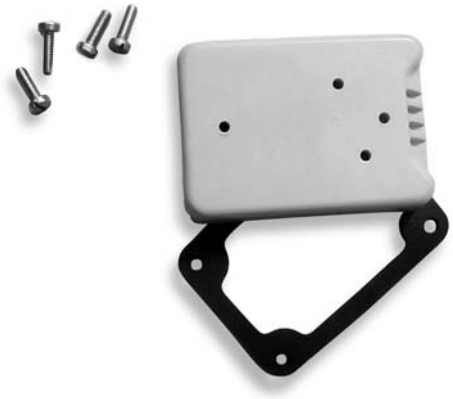


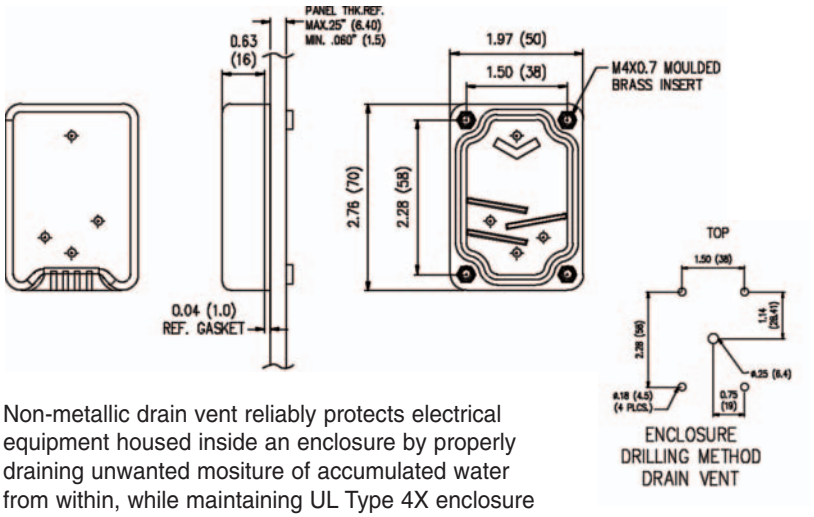


Non-metallic breather vent allows an enclosure to breathe, literally allowing the free passage of air while maintaining UL Type 4X enclosure integrity as a recognized component.

Drain Vent

Enclosure Catalog #
DV4X





Non-metallic drain vent reliably protects electrical equipment housed inside an enclosure by properly draining unwanted mositure of accumulated water from within, while maintaining UL Type 4X enclosure integrity as a recognized component.

Drain & Vent

Enclosure Catalog #
DV

Vapor Capsule

Enclosure Catalog #
BLVC

Vapor capsules contain a unique phase inhibitor designed to protect metallic surfaces within an enclosure against airborne corrosion. Simply place these self-contained capsules inside an enclosure, the vapors readily permeate every point, passivating all metallic surfaces. When the capsule is removed from its sealed package, it begins to emit an invisible, no-toxic vapor which is diffused throughout the surrounding atmosphere until the air is saturated. The vapor then passivates the metal surface against atmospheric corrosion by reducing the electro-chemical activity of the metal surfaces.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

Data & Catalog Number

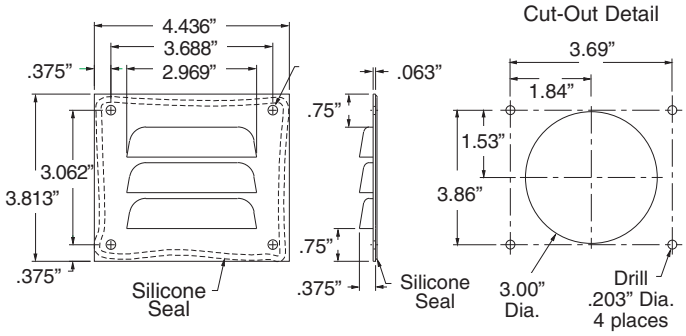
Oil-Tight Hole Seals

Protects knockout openings and extra pushbutton or concuit openings from dirt, oil, dust and water. Each hole seal has oil-resistant gasketing and lock nut.

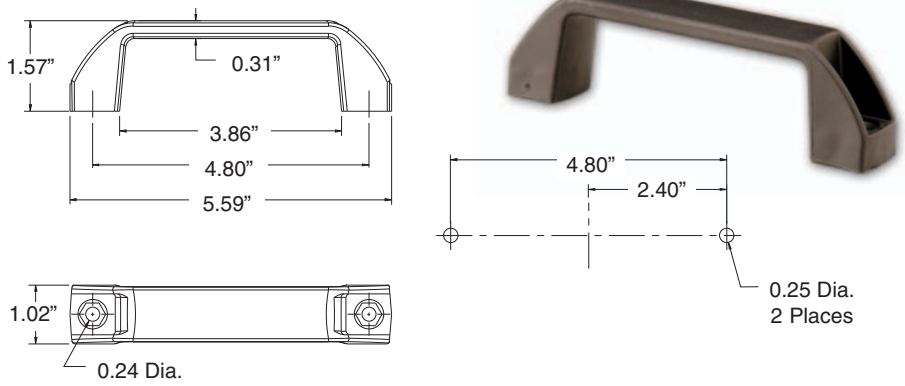
Enclosure Catalog #	Application	Max. Hole		Hole Seal	
		in.	mm	in.	mm
SPBGFG	Minature oil-tight bushbutton holes	0.88	22	1.22	31
SPBFG	Standard oil-tight bushbutton holes	1.25	32	1.75	44
S050FG	1/2" conduit holes	0.88	22	1.38	35
S075FG	3/4" conduit holes	1.06	27	1.56	40
S100FG	1" conduit holes	1.38	35	1.88	48
S125FG	1 1/4" conduit holes	1.69	43	2.19	56
S150FG	1 1/2" conduit holes	2.00	51	2.50	64
S200FG	2" conduit holes	2.50	64	3.00	76
S250FG	2 1/2" conduit holes	3.00	76	3.50	89
S300FG	3" conduit holes	3.62	92	4.12	105
S350FG	3 1/2" conduit holes	4.12	105	4.62	117
S400FG	4" conduit holes	4.62	117	5.12	130

Louver Plate Vent

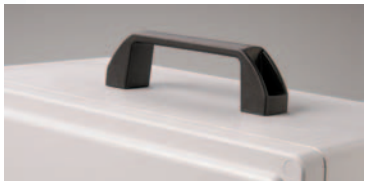
Enclosure Catalog #
LPKF



Carrying Handle



Enclosure Catalog #
CARRY HANDLE



Encapsulated Screws

ENCAP2K

Enclosure Catalog #
ENCAP2K
ENCAP4K

ENCAP4K

Stainless Steel Screws

SS2PK

Enclosure Catalog #	Description
SS2PK	Set of 2
SS4PK	Set of 4

SS4PK

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

Data & Catalog Number

Mounting Feet

Enclosure Catalog #	MTGFTKITSD

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

TYPE 12 MODULAR ENCLOSURES

Free-Standing Modular Enclosures 254
Free-Standing Flange-Mount Modular Enclosures 257
Free-Standing Modular Accessories 259
Free-Standing Modular Disconnects 260

Type 12 Free-Standing Modular Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder outside with a white polyester powder finish inside
- Panels have a white polyester powder finish

Accessories

- Channel mounting hardware
- Blank adapter plates
- Operator adapters
- Touch-up paint
- See Accessories section

Construction

- Enclosure and door are fabricated from (10) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty, lift-off hinge and 3-pt padlockable handle mechanism
- Slave doors cannot open without activation of mechanical interlock but can close in any order
- Doors have a fixed oil-resistant gasket
- Print pocket provided
- Modular design and flanged side opening provide strength and a variety of mounting arrangements
- Heavy steel stiffeners welded across the back provide enclosure rigidity
- Removable panels mounted on .375-16 collar studs and panel supports are furnished behind each door
- Large lifting eyebolts are supplied
- Four styles of enclosure construction and specific features:
  1. Single-door slave enclosure - Both sides open.
  2. Two-door slave enclosure - Both sides open. Doors close onto a center post which can be removed for complete front access. Lighting mounting channel provided.
  3. Single-door disconnect enclosure - Left side open. Serves as a master door with connecting interlocks which prevent slave doors from opening first. Defeater mechanism on door requires a screwdriver to open. Universal cut-out on right side flange for disconnect operator.
  4. Two-door disconnect enclosure - Left side open. Both doors hinge left, the right side serving as the master with connecting interlocks which prevent slave doors from opening first. Defeater mechanism on door requires a screwdriver to open. Universal cut-out on right flange for disconnect operator. Center post is removable. Lighting mounting channel provided.

Important Note

When ordering modular enclosure systems, be sure to include all the necessary components.

1. Disconnect master or slave enclosure
2. Gasket kits and/or end plates (see page 259)
3. Operator adapter plates MUST be ordered for the specific brand and type of disconnect being used, (see page 381)

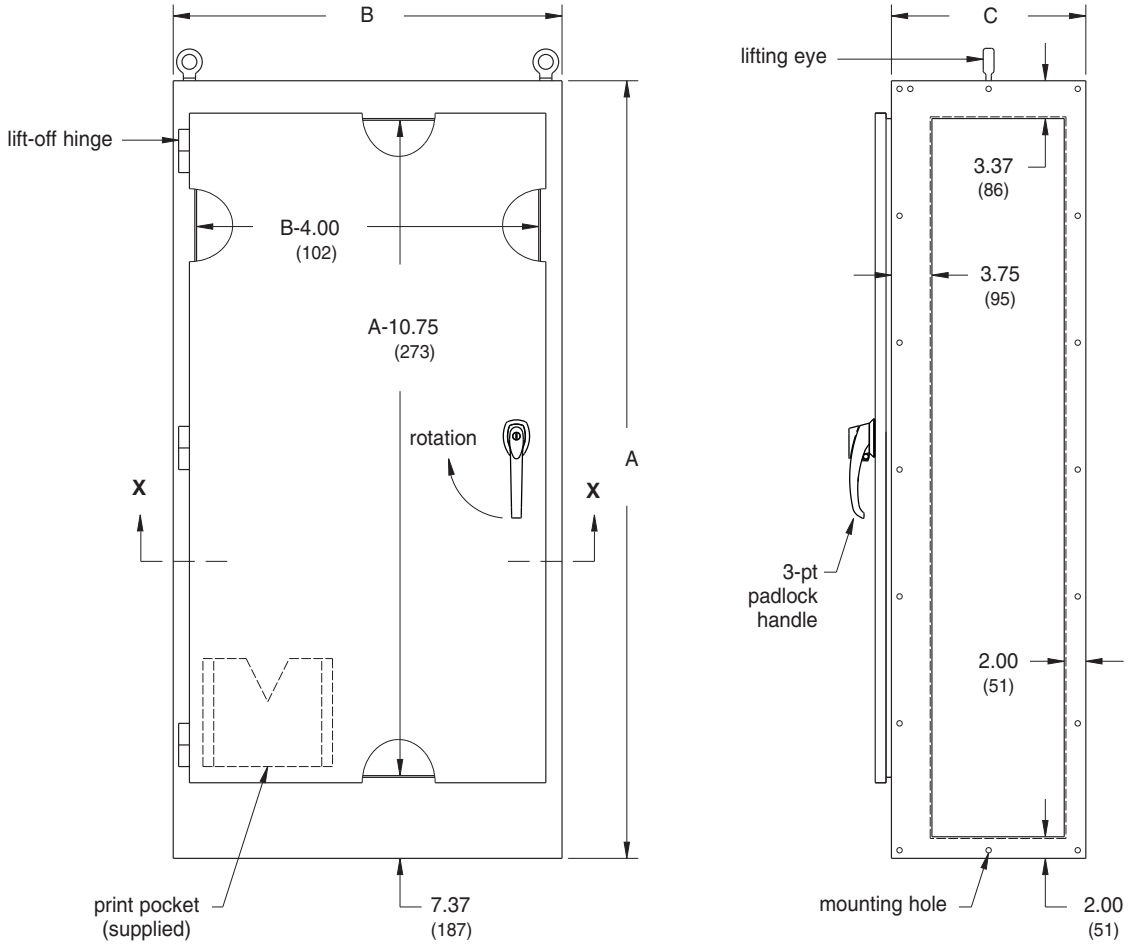
Disconnect switch (or circuit breaker), operating handle and operating mechanism are not furnished with enclosure, see disconnect ordering information, pages 260 - 270.

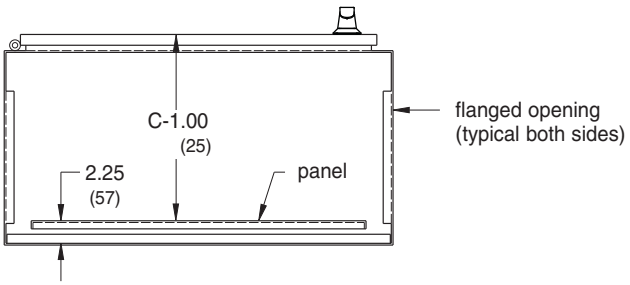
Notes: Cooper B-Line can provide standard slave style enclosures complete with interlocking mechanism.
Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Free-Standing Single-Door Modular Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Panel Size Height x Width in.	mm
M723818-12FS	72.00x38.75x18.00	1829x984x457	60.00x33.75	1524x857
M843818-12FS	84.00x38.75x18.00	2134x984x457	72.00x33.75	1829x857
M843824-12FS	84.00x38.75x24.00	2134x984x610	72.00x33.75	1829x857





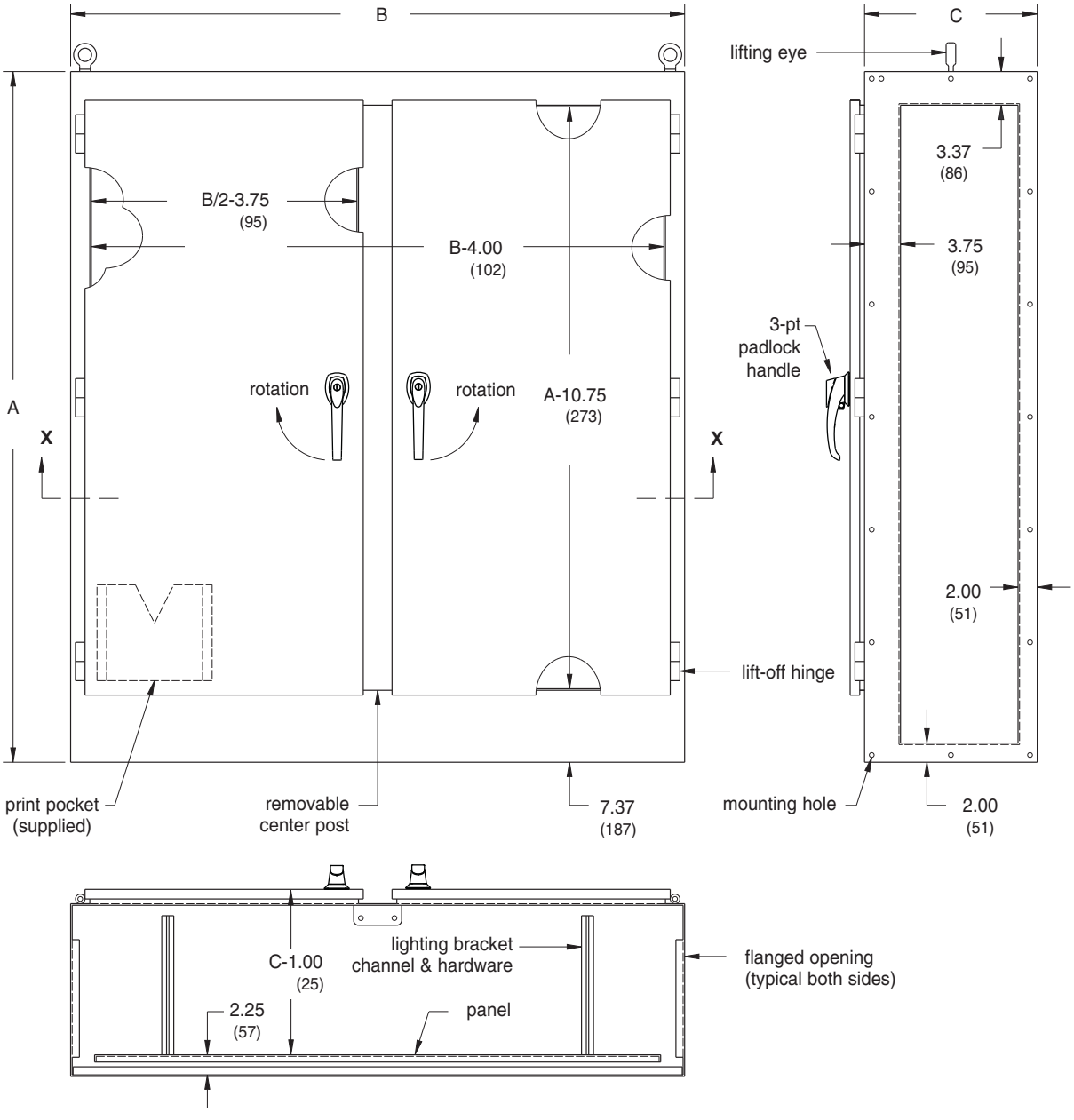
Section X-X

Notes: Four lifting eyes are furnished when C dimension is 24. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Double-Door Modular Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Panel Size Height x Width in.	mm
M727718-12FS	72.00x77.00x18.00	1829x1956x457	60.00x72.00	1524x1829
M847718-12FS	84.00x77.00x18.00	2134x1956x457	72.00x72.00	1829x1829
M847724-12FS	84.00x77.00x24.00	2134x1956x457	72.00x72.00	1829x1829

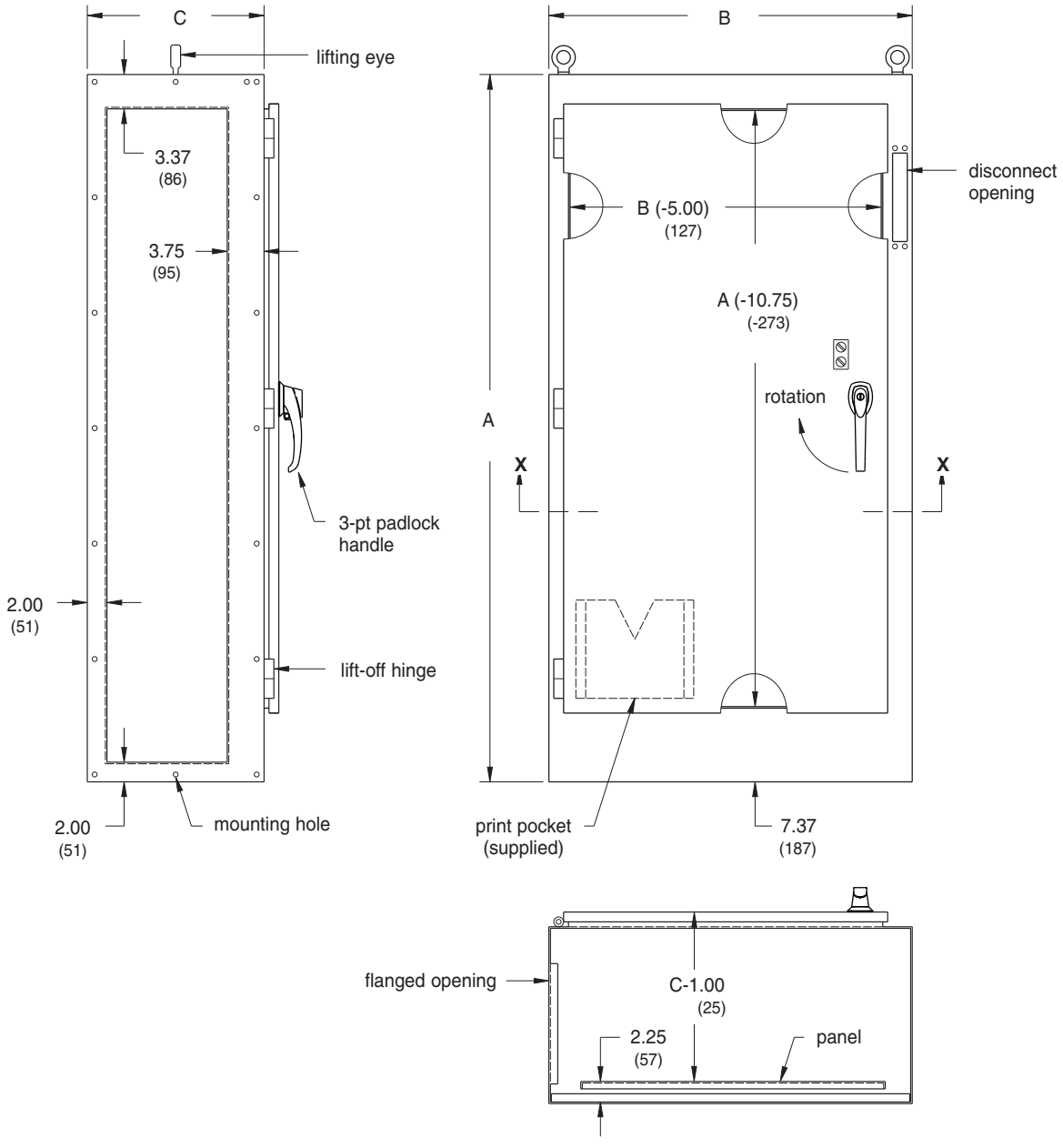


Section X-X

Notes: Four lifting eyes are furnished when C dimension is 24. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Single-Door Modular
Flange-Mount Disconnect Enclosures
Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Panel Size Height x Width in.	mm
MFD723918-12FS	72.00x39.75x18.00	1829x1010x457	60.00x33.75	1524x857
MFD843918-12FS	84.00x39.75x18.00	2134x1010x457	72.00x33.75	1829x857
MFD843924-12FS	84.00x39.75x24.00	2134x1010x610	72.00x33.75	1829x857



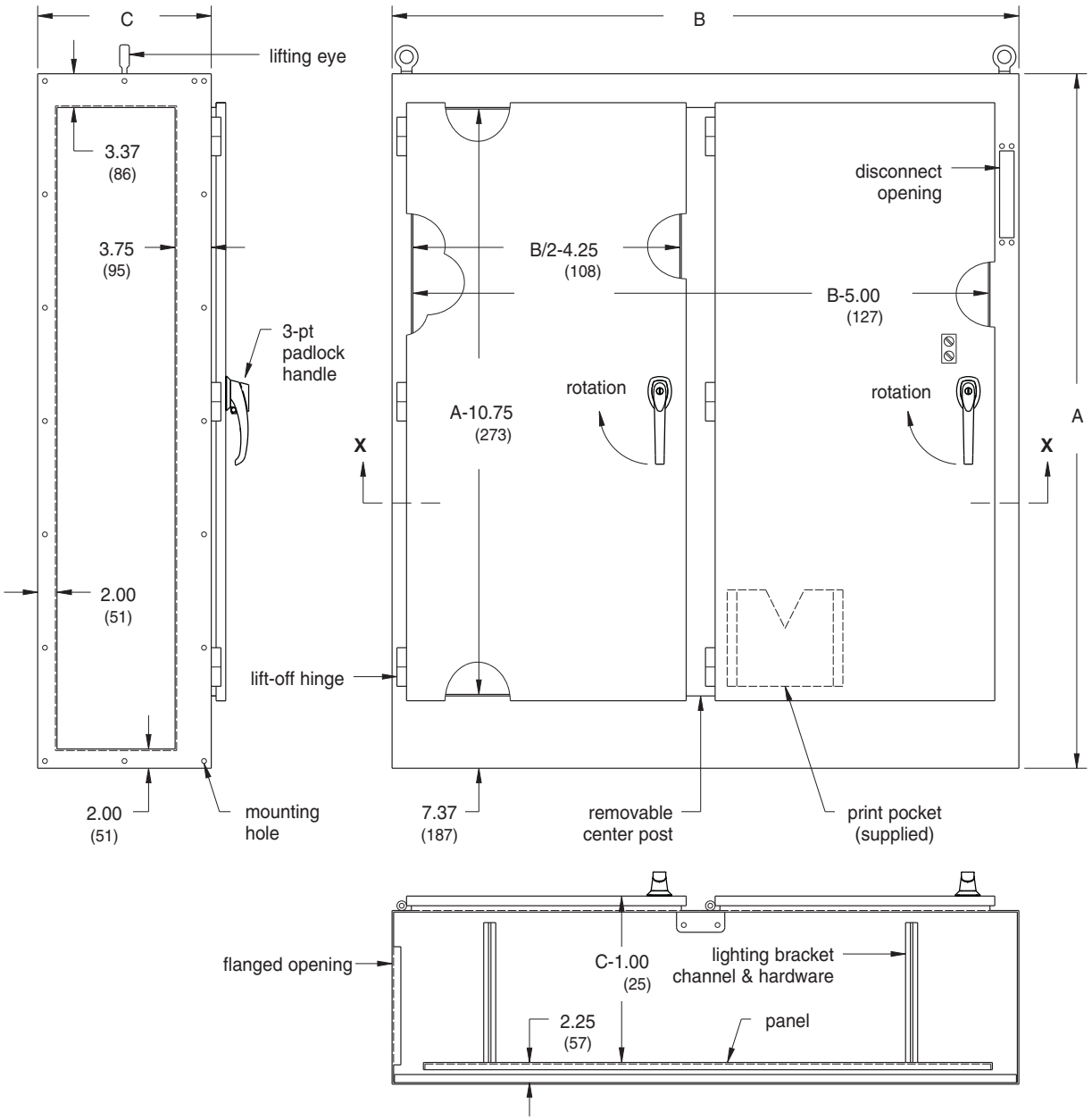
Section X-X

Notes: Four lifting eyes are furnished when C dimension is 24. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Double-Door Modular Flange-Mount Disconnect Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	Enclosure Size mm	Panel Size Height x Width in.	Panel Size mm
MFD727818-12FS	72.00x78.00x18.00	1829x1981x457	60.00x72.00	1524x1829
MFD847818-12FS	84.00x78.00x18.00	2134x1981x457	72.00x72.00	1829x1829
MFD847824-12FS	84.00x78.00x24.00	2134x1981x610	72.00x72.00	1829x1829



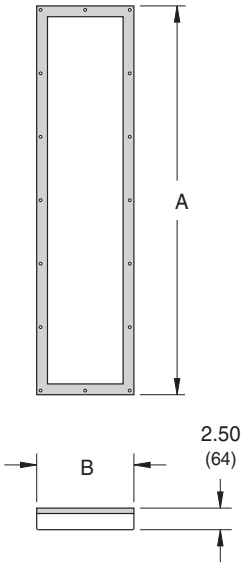
Section X-X

Notes: Four lifting eyes are furnished when C dimension is 24. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Modular Enclosure Accessories

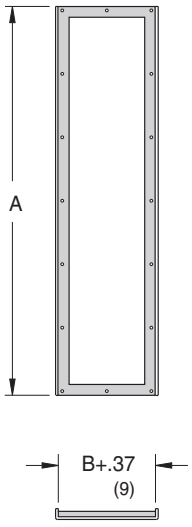
Catalog Number

Modular Accessories								
	Size				Fits Enclosure			
	A		B		H x D			
Catalog Number	in.	mm	in.	mm	in.	mm	in.	mm
End Plate								
M7218-12FEK	72.00	1829	18.00	457	72.00	1829	18.00	457
M8418-12FEK	84.00	2134	18.00	457	84.00	2134	18.00	457
M8424-12FEK	84.00	2134	24.00	610	84.00	2134	24.00	610
Flat End Plate/Barrier								
M7218-12FBK	72.00	1829	18.25	464	72.00	1829	18.00	457
M8418-12FBK	84.00	2134	18.25	464	84.00	2134	18.00	457
M8424-12FBK	84.00	2134	24.25	464	84.00	2134	24.00	610
Gasket Kit								
M7218-12FGK	72.00	1829	18.00	457	72.00	1829	18.00	457
M8418-12FGK	84.00	2134	18.00	457	84.00	2134	18.00	457
M8424-12FGK	84.00	2134	24.00	610	84.00	2134	24.00	610



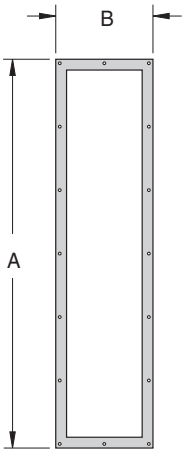
End Plate

Formed end plate and gasket used to seal open end of Modular enclosure. Includes: End Plate, Gasket & Hardware.



Flat End Plate

Flat end plate and gasket used to seal open end of Modular enclosure. Also can serve as a barrier when additional gasket is used. Includes: Flat End Plate, Gasket & Hardware



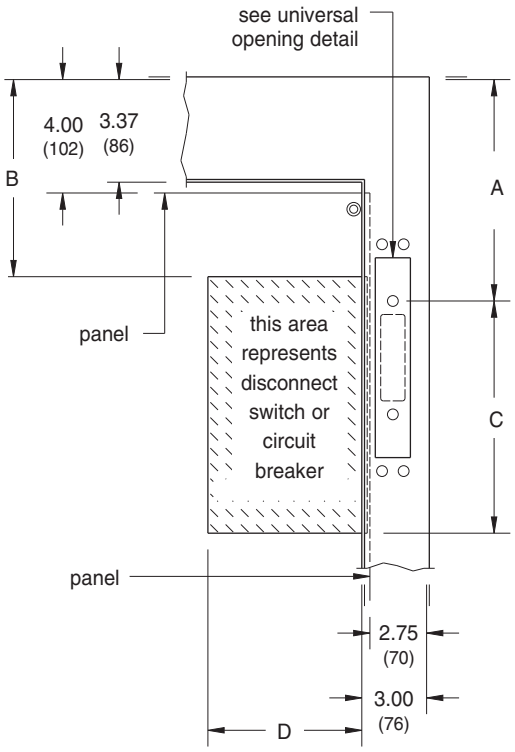
Gasket Kit

Pre-cut and pre-punched high density poron gasket is required for sealing barrier to additional modular enclosures when ganging. Includes: Gasket & Hardware.

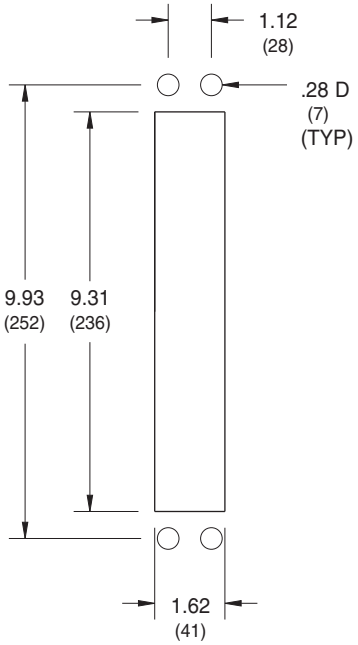
Notes: Dimensions are in inches. Millimeters shown are for reference only.
Data subject to change without notice.

Type 12 Free-Standing Modular Enclosure Disconnects

Detail Sheet



Flange Mounting



Universal Opening Detail

The dimensional information provided in this drawing is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Universal opening must be filled with an operator adapter kit for the specific brand and type of disconnect being used, (see page 381).

Important Note

When ordering modular enclosure systems, be sure to include all the necessary components.

1. Disconnect master or slave enclosure
2. Gasket kits and/or end plates (see page 259)
3. Operator adapter plates MUST be ordered for the specific brand and type of disconnect being used, (see page 381)

Disconnect switch (or circuit breaker), operating handle and operating mechanism are not furnished with enclosure, see disconnect ordering information, pages 260 - 270.

Notes: Refer to detail sheet for drawing information and associated dimensions. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Modular Enclosure Disconnects

Allen-Bradley®

1949V Disconnect Mechanism

Allen-Bradley Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height								C		D(1)	
					72				84							
		Amp	Volt		A		B		A		B					
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
DS30	30A	(non)	(non)	--	7.87	200	6.00	152	13.73	349	11.50	292	4.00	102	6.75	171
DS30	30A	(non)	(non)	-	11.87	301	10.00	254	17.37	441	15.50	394	4.00	102	6.75	171
DS30	30A	30A	250V	H,K,R	11.87	301	10.00	254	17.37	441	15.50	394	5.25	133	6.75	171
DS30	30A	30A	600V	H,K,R	11.87	301	10.00	254	17.37	441	15.50	394	8.00	203	6.75	171
DS30	30A	30A	600V	J	11.87	301	10.00	254	17.37	441	15.50	394	5.25	133	6.75	171
DS30	30A	60A	250V	H,K	11.87	301	10.00	254	17.37	441	15.50	394	6.00	152	6.75	171
DS30	30A	60A	600V	H,K	11.87	301	10.00	254	17.37	441	15.50	394	8.50	216	6.75	171
DS30	30A	60A	600V	J	11.87	301	10.00	254	17.37	441	15.50	394	5.50	140	6.75	171
DS60	60A	(non)	(non)	-	11.87	301	9.87	251	17.37	441	15.37	394	4.00	102	6.75	171
DS60	60A	30A	600V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	394	8.00	203	6.75	171
DS60	60A	60A	250V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	394	6.00	152	6.75	171
DS60	60A	60A	600V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	394	8.50	216	6.75	171
DS60	60A	60A	600V	J	11.87	301	9.87	251	17.37	441	15.37	394	5.50	140	6.75	171
DS60	60A	100A	250V	H,K	11.87	301	9.87	251	17.37	441	15.37	394	8.50	216	6.75	171
DS60	60A	100A	600V	H,K	11.87	301	9.87	251	17.37	441	15.37	394	10.50	267	6.75	171
DS60	60A	100A	600V	J	11.87	301	9.87	251	17.37	441	15.37	394	7.25	184	6.75	171
DS100	100A	(non)	(non)	-	11.87	301	8.37	251	17.37	441	13.87	352	4.75	121	8.00	203
DS100	100A	100A	250V	H,K,R	11.87	301	8.37	251	17.37	441	13.87	352	10.50	267	8.00	203
DS100	100A	100A	600V	H,K,R	11.87	301	8.37	251	17.37	441	13.87	352	12.50	318	8.00	203
DS100	100A	100A	600V	J	11.87	301	8.37	251	17.37	441	13.87	352	9.25	235	8.00	203
DS100	100A	200A	250V	H,K	11.87	301	8.37	251	17.37	441	13.87	352	11.25	286	8.00	203
DS100	100A	200A	600V	H,K	11.87	301	8.37	251	17.37	441	13.87	352	13.75	349	8.00	203
DS100	100A	200A	600V	J	11.87	301	8.37	251	17.37	441	13.87	352	10.00	254	8.00	203
DS200	200A	(non)	(non)	-	10.43	265	6.00	102	15.93	405	11.50	292	10.00	254	11.00	279
DS200	200A	200A	250V	H,K,R	10.43	265	6.00	102	15.93	405	11.50	292	15.00	381	11.00	279
DS200	200A	200A	600V	H,K,R	10.43	265	6.00	102	15.93	405	11.50	292	17.25	438	11.00	279
DS200	200A	200A	600V	J	10.43	265	6.00	102	15.93	405	11.50	292	13.50	343	11.00	279
DS200	200A	400A	250V	H,K	10.43	265	6.00	102	15.93	405	11.50	292	15.75	400	11.00	279
DS200	200A	400A	600V	H,K	10.43	265	6.00	102	15.93	405	11.50	292	18.75	476	11.00	279
DS200	200A	400A	600V	J	10.43	265	6.00	102	15.93	405	11.50	292	14.25	362	11.00	279
DS400	400A	(non)	(non)	-	*	*	*	*	15.93	405	9.62	244	10.75	273	11.00	279
DS400	400A	400A	250V	H,K,R	*	*	*	*	15.93	405	9.62	244	16.25	413	11.00	279
DS400	400A	400A	600V	H,K,R	*	*	*	*	15.93	405	9.62	244	19.25	489	11.00	279
DS400	400A	400A	600V	J	*	*	*	*	15.93	405	9.62	244	14.75	375	11.00	279

Allen-Bradley Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height								C		D(1)	
				72				84							
		Manufacturer	Frame(s)	A		B		A		B					
				in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
M40	150A	General Electric	TED, THED, TEC	11.87	301	11.25	286	17.37	441	16.75	425	5.75	146	4.75	121
M40	150A	Westinghouse	F (series C)	11.87	301	11.25	286	17.37	441	16.75	425	5.00	127	4.75	121
M50	250A	Westinghouse	J (series C)	11.87	301	10.87	276	17.37	441	16.37	416	9.75	248	5.00	127
M60	400A	Westinghouse	K (series C)	11.87	301	10.62	270	17.37	441	16.12	409	9.75	248	6.25	159

* Do not install disconnects in this height enclosure.
(1) Dimension "D" does not include space for auxiliary switches.
The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Modular Enclosure Disconnects

Allen-Bradley ®

1494V Disconnect Mechanism

Allen-Bradley Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height								C		D(1)	
					72				84							
		Amp	Volt		A		B		A		B					
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
N30	30A	(NON)	(NON)	-	9.87	251	9.37	238	15.37	390	14.87	378	4.75	121	6.50	165
NF30	30A	30A	250V	H,K,R	9.87	251	9.37	238	15.37	390	14.87	378	6.50	165	6.50	165
NF30	30A	30A	600V	H,K,R	9.87	251	9.37	238	15.37	390	14.87	378	9.25	235	6.50	165
NF30	30A	30A	600V	J	9.87	251	9.37	238	15.37	390	14.87	378	6.50	165	6.50	165
NF30	30A	60A	250V	H,K,R	9.87	251	9.37	238	15.37	390	14.87	378	7.25	184	6.50	165
NF30	30A	60A	600V	H,K,R	9.87	251	9.37	238	15.37	390	14.87	378	9.75	248	6.50	165
NF30	30A	60A	600V	J	9.87	251	9.37	238	15.37	390	14.87	378	6.75	171	6.50	165
N60	60A	(NON)	(NON)	-	9.87	251	8.62	238	15.37	390	14.12	378	4.75	121	6.50	165
NF60	60A	30A	600V	H,K,R	9.87	251	8.62	238	15.37	390	14.12	378	10.50	267	6.50	165
NF60	60A	60A	250V	H,K,R	9.87	251	8.62	238	15.37	390	14.12	378	8.50	216	6.50	165
NF60	60A	60A	600V	H,K,R	9.87	251	8.62	219	15.37	390	14.12	378	11.00	279	6.50	165
NF60	60A	60A	600V	J	9.87	251	8.62	219	15.37	390	14.12	378	7.75	197	6.50	165
NF60	60A	100A	250V	H,K,R	9.87	251	8.62	219	15.37	390	14.12	378	11.00	279	6.50	165
NF60	60A	100A	600V	H,K,R	9.87	251	8.62	219	15.37	390	14.12	378	13.00	330	6.50	165
NF60	60A	100A	600V	J	9.87	251	8.62	219	15.37	390	14.12	378	9.75	248	6.50	165
N100	100A	(NON)	(NON)	-	9.87	251	6.75	171	15.37	390	12.25	311	4.75	121	7.25	184
NF100	100A	100A	250V	H,K,R	9.87	251	6.75	171	15.37	390	12.25	311	11.50	292	7.50	191
NF100	100A	100A	600V	H,K,R	9.87	251	6.75	171	15.37	390	12.25	311	13.50	343	7.50	191
NF100	100A	100A	600V	J	9.87	251	6.75	171	15.37	390	12.25	311	10.25	260	7.50	191
NF100	100A	200A	250V	H,K,R	9.87	251	6.75	171	15.37	390	12.25	311	12.25	311	7.75	197
NF100	100A	200A	600V	H,K,R	9.87	251	6.75	171	15.37	390	12.25	311	14.75	375	7.75	197
NF100	100A	200A	600V	J	9.87	251	6.75	171	15.37	390	12.25	311	11.00	279	7.75	197
N200	200A	(NON)	(NON)	-	8.56	217	5.12	130	14.06	357	10.62	270	7.25	184	10.50	267
NF200	200A	200A	250V	H,K,R	8.56	217	5.12	130	14.06	357	10.62	270	15.00	381	10.50	267
NF200	200A	200A	600V	H,K,R	8.56	217	5.12	130	14.06	357	10.62	270	17.50	445	10.50	267
NF200	200A	200A	600V	J	8.56	217	5.12	130	14.06	357	10.62	270	13.75	349	10.50	267
NF200	200A	400A	250V	H,K,R	8.56	217	5.12	130	14.06	357	10.62	270	16.50	419	11.00	279
NF200	200A	400A	600V	H,K,R	8.56	217	5.12	130	14.06	357	10.62	270	19.50	495	11.00	279
NF200	200A	400A	600V	J	8.56	217	5.12	130	14.06	357	10.62	270	15.00	381	11.00	279

1494D Disconnect Mechanism

Allen-Bradley Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height								C		D(1)	
				72				84							
		Manufacturer	Frame(s)	A		B		A		B					
				in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
N4/N40	150A	General Electric	TED, THED, TEC	9.87	251	9.25	235	15.37	390	14.75	375	5.87	149	4.62	117
N5/N55	225A	General Electric	TFK, THFK, TFC	9.87	251	8.50	216	15.37	390	14.00	356	8.87	225	4.75	121
N4/N40	150A	Westinghouse	F (series C)	9.87	251	9.25	235	15.37	390	14.75	375	5.87	149	4.62	117
N5/N50	250A	Westinghouse	J (series C)	9.87	251	8.50	216	15.37	390	14.00	356	8.87	225	4.75	121

(1) Dimension "D" does not include space for auxiliary switches.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Modular Enclosure Disconnects

Culter-Hammer®

C361 Disconnect Mechanism

Cutler-Hammer Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height											
					72				84							
					A		B		A		B		C		D	
		Amp	Volt		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
NC	30A	(non)	(non)	-	11.87	301	10.50	267	17.37	441	16.00	406	4.75	121	6.25	159
SC21	30A	30A	250V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	7.75	197	6.25	159
SC61	30A	30A	600V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	7.75	197	6.25	159
SC61	30A	60A	250V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	8.25	210	6.25	159
ND	60A	(non)	(non)	-	11.87	301	10.50	267	17.37	441	16.00	406	4.75	121	6.25	159
SD22	60A	30A	600V	J	11.87	301	10.50	267	17.37	441	16.00	406	7.75	197	6.25	159
SD22	60A	60A	250V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	8.25	210	6.25	159
SD62	60A	60A	600V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	8.25	210	6.25	159
SD62	60A	60A	600V	J	11.87	301	10.50	267	17.37	441	16.00	406	8.00	203	6.25	159
NE	100A	(non)	(non)	-	11.87	301	10.12	257	17.37	441	15.62	397	4.25	108	7.50	191
SE263	100A	100A	250V	H,K,R	11.87	301	10.12	257	17.37	441	15.62	397	9.00	229	7.50	191
SE263	100A	100A	600V	H,K,R	11.87	301	10.12	257	17.37	441	15.62	397	9.00	229	7.50	191
SE263	100A	100A	600V	J	11.87	301	10.12	257	17.37	441	15.62	397	7.75	197	7.50	191
NF	200A	(non)	(non)	-	11.87	301	8.12	206	17.37	441	13.62	346	13.25	337	10.25	260
SF264	200A	200A	250V	H,K,R	11.87	301	8.12	206	17.37	441	13.62	346	13.25	337	10.25	260
SF264	200A	200A	600V	H,K,R	11.87	301	8.12	206	17.37	441	13.62	346	13.25	337	10.25	260

C371 Disconnect Mechanism

Cutler-Hammer Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height											
				72				84							
				A		B		A		B		C		D	
		Manufacturer	Frame(s)	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
C371E	150A	Cutler-Hammer	HMCP,FS,FH	11.87	301	11.62	295	17.37	441	17.12	435	6.00	152	5.75	146
C371F (1)	225A	Cutler-Hammer	HMCP,JS,JH,JL	11.87	301	11.50	292	17.37	441	17.00	432	11.00	279	8.25	210
C371F (1)	400A	Cutler-Hammer	HMCP,KS,KH	11.87	301	11.00	279	17.37	441	16.50	419	9.75	248	8.25	210
C371G (2)	600A	Cutler-Hammer	LS,LH	11.87	301	9.37	238	17.37	441	14.87	378	8.50	216	12.00	305
C371K (3)	800A	Cutler-Hammer	MS,MH	*	*	*	*	17.37	441	11.37	289	10.25	260	12.00	305
C371K (3)	1200A	Cutler-Hammer	NS,NH	*	*	*	*	17.37	441	11.37	289	10.25	260	12.00	305
C371E	150A	Westinghouse	F(series C)	11.87	301	11.62	295	17.37	441	17.12	435	6.00	152	5.75	146
C371F (1)	250A	Westinghouse	J(series C)	11.87	301	11.50	292	17.37	441	17.00	432	9.00	229	8.25	210
C371F (1)	400A	Westinghouse	K(series C)	11.87	301	11.00	279	17.37	441	16.50	419	9.75	248	8.25	210
C371G (2)	600A	Westinghouse	LA,LC	11.87	301	9.37	238	17.37	441	14.87	378	8.50	216	12.00	305
C371K (3)	800A	Westinghouse	MC	*	*	*	*	17.37	441	11.37	289	10.25	260	12.00	305
C371K (3)(4)	1200A	Westinghouse	NC	*	*	*	*	17.37	441	11.37	289	10.25	260	12.00	305

* Do not install disconnects in this height enclosure.

(1) Wire bending space “B” does not allow the use of cable larger than 300 MCM in 72H enclosures.
(2) Wire bending space “B” does not allow the use of cable larger than 250 MCM in 72H enclosures.
(3) Wire bending space “B” does not allow the use of cable larger than 300 MCM in 84H enclosures.
(4) Wire bending space “B” does not allow the use of Westinghouse terminals TA1201NB1 in 84H enclosures.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Modular Enclosure Disconnects

General Electric®

TDA Disconnect Mechanism

General Electric Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height 72				Enclosure Height 84				C		D	
		Amp	Volt		A		B		A		B					
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
TDOM1A	30A	(non)	(non)	-	11.87	301	12.37	314	17.37	441	17.87	454	7.00	178	5.50	140
TDOM1A	30A	30A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	7.00	178	5.50	140
TDOM1B	30A	30A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	11.50	292	5.50	140
TDOM1B	30A	60A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	11.50	292	5.50	140
TDOM1B	30A	60A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	11.50	292	5.50	140
TDOM1A	60A	(non)	(non)	-	11.87	301	12.37	314	17.37	441	17.87	454	7.00	178	5.50	140
TDOM1B	60A	60A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	11.50	292	5.50	140
TDOM1B	60A	60A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	11.50	292	5.50	140
TDOM1B	60A	100A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	11.50	292	5.50	140
TDOM1B	60A	100A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	11.50	292	5.50	140
TDOM1A	100A	(non)	(non)	-	11.87	301	12.37	314	17.37	441	17.87	454	7.00	178	5.5	140
TDOM1B	100A	100A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	11.50	292	5.50	140
TDOM1B	100A	100A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	11.50	292	5.50	140
TDOM1B	100A	200A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	11.50	292	5.50	140
TDOM1B	100A	200A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	11.50	292	5.50	140
TDOM2	200A	(non)	(non)	-	11.87	301	9.75	248	17.37	441	15.25	387	7.00	178	9.25	235
TDOM2	200A	200A	250V	H,R	11.87	301	9.75	248	17.37	441	15.25	387	15.50	394	9.25	235
TDOM2	200A	200A	600V	H,R	11.87	301	9.75	248	17.37	441	15.25	387	15.50	394	9.25	235

General Electric Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height 72				Enclosure Height 84				C		D	
			A		B		A		B					
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
TDOM1A	150A	TEB, TEC, TED, THED	11.87	301	11.25	286	17.37	441	16.75	425	7.00	178	5.50	140
TDOM1B	150A	TB1, TEC, TECL	11.87	301	11.25	286	17.37	441	16.75	425	11.50	292	5.50	140
TDOM1C	150A	TEL	11.87	301	11.25	286	17.37	441	16.75	425	7.00	178	5.50	140
TDOM1D	150A	THCL1	11.87	301	9.87	251	17.37	441	15.37	390	7.00	178	5.50	140
TDOM3	225A	TFJ, TFK, THFK, TFL	11.87	301	10.87	276	17.37	441	16.37	416	10.50	267	6.00	152
TDOM4	400A	TJJ, TJK4, THJK4, TJL4V	11.87	301	10.00	254	17.37	441	15.50	394	8.25	210	9.50	241
TDOM4	600A	TJK6, THJK6, TJ4V, TJL4V	11.87	301	10.00	254	17.37	441	15.50	394	8.25	210	9.50	241
TDOM5	400A	TB4, TJH6S	11.87	301	10.00	254	17.37	441	15.50	394	14.25	362	9.50	241
TDOM6	225A	TLB2, THLC2	*	*	*	*	17.37	441	14.87	378	11.75	298	9.50	241
TDOM6	400A	TLB4, THLC4	*	*	*	*	17.37	441	13.50	343	11.75	298	9.50	241
TDOM7	600A	TB6	*	*	*	*	17.37	441	11.75	298	18.25	464	9.50	241
TDOM7	800A	TB8	*	*	*	*	17.37	441	11.75	298	18.25	464	9.50	241

* Do not install disconnects in this height enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Modular Enclosure Disconnects

I-T-E Siemens®

MAX-FLEX Disconnects

Enclosure	Cable	I-T-E Siemens Mechanism Circuit Breakers	Circuit Breaker Frame	Amp	Device Height		Enclosure Height A				C						D			
							72		84		nom		min		max		min		max	
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
18	36	FHOE036	ED	125A	6.37	162	11.87	301	17.37	441	5.37	136	-2.75	-70	13.50	343	3.00	76	9.75	248
	36	FHOE036	CED	125A	9.62	244	11.87	301	17.37	441	8.50	216	.06	15	16.87	428	3.00	76	9.75	248
	36	FHOF036	FD	250A	9.50	241	11.87	301	17.37	441	5.62	143	2.43	62	13.87	352	4.50	114	8.50	216
	36	FHOF036	CFD	250A	14.12	359	11.87	301	17.37	441	10.25	260	7.25	184	18.62	473	4.50	114	8.50	216
	36	FHOJ036	JD,LD	400A,600A	11.00	279	11.87	301	17.37	441	5.25	133	-2.87	-73	13.43	341	7.50	191	10.12	257
18	36	FHOJ036	CJD	400A,600A	17.87	454	11.87	301	17.37	441	12.12	308	4.12	105	20.37	517	7.50	114	10.12	257
	48	*	ED	125A	6.37	162	11.87	301	17.37	441	5.37	136	-15.37	-390	26.25	667	3.00	76	24.43	621
	48	*	CED	125A	9.62	244	11.87	301	17.37	441	8.50	216	-12.00	-305	26.50	673	4.50	114	24.43	621
	48	*	FD	250A	9.50	241	11.87	301	17.37	441	5.62	143	-12.15	-309	26.50	673	4.50	114	23.00	584
	48	*	CFD	250A	14.12	359	11.87	301	17.37	441	10.25	260	-10.25	-260	30.37	771	4.50	114	23.00	584
	48	*	JD,LD	400A,600A	11.00	279	11.87	301	17.37	441	5.25	133	-15.43	-392	26.12	663	7.50	191	24.50	622
	48	*	CJD	400A,600A	17.87	454	11.87	301	17.37	441	12.12	308	-8.50	-216	33.00	838	7.50	191	24.50	622
	48	FHON048	MD,ND	800A,1200A	16.00	406	11.87	301	17.37	441	8.12	206	-5.12	-130	21.43	544	9.00	229	20.50	521
24	48	*	ED	125A	6.37	162	11.87	301	17.37	441	5.37	136	-13.37	-340	23.25	591	3.00	76	20.62	524
	48	*	CED	125A	9.62	244	11.87	301	17.37	441	8.50	216	-10.00	-254	26.50	673	3.00	76	20.62	254
	48	*	FD	250A	9.50	241	11.87	301	17.37	441	5.62	143	-13.00	-330	23.50	597	4.50	114	19.37	492
	48	*	CFD	250A	14.12	359	11.87	301	17.37	441	10.25	260	-8.25	-210	28.37	721	4.50	114	19.37	492
	48	*	JD,LD	400A,600A	11.00	279	11.87	301	17.37	441	5.25	133	-13.43	-343	23.12	587	7.50	191	20.93	532
	48	*	CJD	400A,600A	17.87	454	11.87	301	17.37	441	12.12	308	-6.50	-165	30.00	762	7.50	191	20.93	532
	48	FHON048	MD,ND	800A,1200A	16.00	406	11.87	301	17.37	441	8.12	206	-3.12	-79	19.93	506	9.00	229	20.50	521

MAX-FLEX Disconnect Mechanism

Disconnect Mechanism	Cable Length	Circuit Breaker Type
FHOE036	36	ED2 ,ED4, ED6, HED4, HED6, ED6ETI
FHOE036	36	CED6, CED6ETI
FHOF036	36	FD6, FXD6, HFD6, FXD6ETI
FHOF036	36	CFD6, CFD6ETI
FHOJ036	36	JD2, JD6, JXD6, HJD6, JXD6ETI, LD6, LXD6, HLD6, LXD6ETI, SHJD6, SLD6, SHLD6
FHOJ036	36	CJD6, CJD6ETI, CLD6, CLD6ETI, SCJD6, SCLD6
FHON048	48	MD6, HMD6, CMD6, MXD6ETI, CMD6ETI, SMD6, SHMD6, SCMD6, ND6, HND6, CND6, SND6, SCND6

* Non-standard mechanism with 48 inch operating cable must be specified.
(1) Flexible operating cable allows disconnect to be mounted within minimum and maximum of “C” dimension when “D” is minimum.
(2) Flexible operating cable allows disconnect to be mounted within minimum and maximum of “D” dimension when “C” is nominal.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions. Flexible cable allows for variable disconnect mounting and adequate wire bending space must be maintained Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Modular Enclosure Disconnects

Square D®

9422 Disconnect Mechanism

Square D Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height											
					72				84							
					A		B		A		B		C		D	
		Amp	Volt		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
RC-1	30A	(non)	(non)	-	11.87	301	11.75	298	17.37	441	17.18	436	3.25	83	7.25	1842
RC-2	30A	30A	250V	H,K,R	11.87	301	11.75	298	17.37	441	17.18	436	5.00	127	7.25	1842
RC-3	30A	30A	600V	H,K,R	11.87	301	11.75	298	17.37	441	17.18	436	8.00	203	7.25	1842
RC-3	30A	30A	600V	J	11.87	301	11.75	298	17.37	441	17.18	436	5.00	127	7.25	1842
RC-3	30A	60A	250V	H,K,R	11.87	301	11.75	298	17.37	441	17.18	436	6.00	152	7.25	1842
TC-1	30A	(non)	(non)	-	11.87	301	9.87	251	17.37	441	15.37	390	5.75	146	6.25	159
TC-2	30A	30A	250V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	5.75	146	6.25	159
TC-3	30A	30A	600V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	7.75	197	6.25	159
TC-3	30A	30A	600V	J	11.87	301	9.87	251	17.37	441	15.37	390	5.75	146	6.25	159
TC-3	30A	60A	250V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	6.00	152	6.25	159
TD-1	60A	(non)	(non)	-	11.87	301	10.75	273	17.37	441	16.25	413	6.50	165	6.75	171
TD-2	60A	30A	600V	H,K,R	11.87	301	10.75	273	17.37	441	16.25	413	8.50	216	6.75	171
TD-2	60A	60A	250V	H,K,R	11.87	301	10.75	273	17.37	441	16.25	413	6.50	165	6.75	171
TD-3	60A	60A	600V	H,K,R	11.87	301	10.75	273	17.37	441	16.25	413	9.00	229	6.75	171
TD-3	60A	60A	600V	J	11.87	301	10.75	273	17.37	441	16.25	413	6.50	165	6.75	171
TE-1	100A	(non)	(non)	-	11.87	301	10.50	267	17.37	441	16.00	406	4.75	257	8.50	216
TE-2	100A	100A	250V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	7.50	191	8.50	216
TE-2	100A	100A	600V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	9.50	241	8.50	216
TE-2	100A	100A	600V	J	11.87	301	10.50	267	17.37	441	16.00	406	6.25	159	8.50	216
TE-3	100A	200A	600V	J	11.87	301	10.50	267	17.37	441	16.00	406	13.75	349	8.50	216
TF-1	200A	(non)	(non)	-	11.87	301	9.12	232	17.37	441	14.62	371	5.50	140	11.75	298
TF-2	200A	200A	250V	H,K,R	11.87	301	9.12	232	17.37	441	14.62	371	11.50	62	11.75	298
TF-2	200A	200A	600V	H,K,R	11.87	301	9.12	232	17.37	441	14.62	371	14.00	356	11.75	298
TF-2	200A	200A	600V	J	11.87	301	9.12	232	17.37	441	14.62	371	10.25	260	11.75	298
TF-3	200A	400A	600V	J	11.87	301	9.12	232	17.37	441	14.62	371	14.50	368	11.75	298

Square D Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height											
			72				84							
			A		B		A		B		C		D	
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
RN-1	100A	FAL, FHL, FCL	7.87	200	6.87	174	17.37	441	16.37	416	5.25	133	5.50	140
RP-1	250A	KAL, KHL, KCL	7.87	200	6.62	168	17.37	441	17.12	435	7.25	184	5.75	146
RR-1	400A	LAL, LHL, Q4L	*	*	*	*	17.37	441	12.75	324	7.75	197	9.00	229
RR-2	400A	ILL	*	*	*	*	17.37	441	17.12	435	11.00	279	15.75	400
RT-1	800A	MEL	*	*	*	*	17.37	441	12.62	321	9.25	235	12.00	305
RT-1	1000A	MAL, MHL	*	*	*	*	17.37	441	12.62	321	9.25	235	12.00	305

* Do not install disconnects in this height enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulation, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Modular Enclosure Disconnects

Westinghouse®

AMT Disconnect Mechanism

Westinghouse Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height								C		Pivot Width D			
					60				72									
		Amp	Volt		A		B		A		B				variable		fixed	
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in	mm
DS16U	30A	(non)	(non)	-	13.12	333	13.25	337	18.62	473	18.75	476	5.25	133	9.00	229	7.00	178
DS121R	30A	30A	250V	H,R	13.12	333	13.25	337	18.62	473	18.75	476	10.25	260	9.00	229	7.00	178
DS161U	30A	30A	600V	H,J,R	13.12	333	13.25	337	18.62	473	18.75	476	12.25	311	9.00	229	7.00	178
DS122	30A	60A	250V	H,R	13.12	333	13.25	337	18.62	473	18.75	476	10.25	260	9.00	229	7.00	178
DS162	30A	60A	600V	H,J,R	13.12	333	13.25	337	18.62	473	18.75	476	12.25	311	9.00	229	7.00	178
DS26U	60A	(non)	(non)	-	13.12	333	13.25	337	18.62	473	18.75	476	5.25	133	9.00	229	7.00	178
DS222R	60A	60A	250V	H,R	13.12	333	13.25	337	18.62	473	18.75	476	10.25	260	9.00	229	7.00	178
DS262R	60A	60A	600V	H,J,R	13.12	333	13.25	337	18.62	473	18.75	476	12.25	311	9.00	229	7.00	178
DS263	60A	100A	250V	H,R	13.12	333	13.25	337	18.62	473	18.75	476	10.25	260	9.00	229	7.00	178
DS263	60A	100A	600V	H,J,R	13.12	333	13.25	337	18.62	473	18.75	476	12.25	311	9.00	229	7.00	178
DS36U	100A	(non)	(non)	-	13.12	333	13.25	337	18.62	473	18.75	476	5.25	133	9.00	229	7.00	178
DS363R	100A	100A	250V	H,R	13.12	333	13.25	337	18.62	473	18.75	476	10.25	260	9.00	229	7.00	178
DS363R	100A	100A	600V	H,J,R	13.12	333	13.25	337	18.62	473	18.75	476	12.25	311	9.00	229	7.00	178
DS364 (1)	100A	200A	250V	H,R	13.12	333	13.25	337	18.62	473	18.75	476	5.25	133	9.00	229	7.00	178
DS364 (1)	100A	200A	600V	H,J,R	13.12	333	13.25	337	18.62	473	18.75	476	5.25	133	9.00	229	7.00	178
DS46U	200A	(non)	(non)	-	13.12	333	11.00	279	18.62	473	16.50	419	6.00	152	12.00	305	10.00	254
DS464R	200A	200A	250V	H,R	13.12	333	11.00	279	18.62	473	16.50	419	14.00	356	12.00	305	10.00	254
DS464R	200A	200A	600V	H,R	13.12	333	11.00	279	18.62	473	16.50	419	15.25	387	12.00	35	10.00	254
DS464R	200A	200A	600V	J	13.12	333	11.00	279	18.62	473	16.50	419	14.00	356	12.00	305	10.00	254
DS465 (1)	200A	400A	250V	H,J,R	13.12	333	11.00	279	18.62	473	16.50	419	6.00	152	12.00	305	10.00	254
DS465 (1)	200A	400A	600V	H,J,R	13.12	333	11.00	279	18.62	473	16.50	419	6.00	152	12.00	305	10.00	254

Westinghouse Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height								C		Pivot Width D			
			72				84									
			A		B		A		B				variable		fixed	
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in	mm
EB	100A	EB	13.12	333	12.37	314	18.62	473	17.87	454	5.50	140	9.25	235	7.25	184
FB Tri-Pac	100A	FB Tri-Pac	13.12	333	12.37	314	18.62	473	17.87	454	8.25	210	9.25	235	7.25	184
MCP	150A	MCP (0-4) current limiting	13.12	333	12.37	314	18.62	473	17.87	454	8.25	210	9.25	235	7.25	184
F Frame	150A	F (series C)	13.12	333	12.37	314	18.62	473	17.87	454	5.50	140	9.25	235	7.25	184
J Frame	250A	J (series C)	13.12	333	9.50	241	18.62	473	15.00	381	6.75	36	9.25	235	-	-
K Frame	400A	K (series C)	13.12	333	9.00	229	18.62	473	14.50	368	8.25	210	9.25	235	-	-
LA Tri-Pac	400A	LA Tri-Pac	*	*	*	*	18.62	473	16.50	419	14.25	362	12.00	305	-	-
LA, LC	600A	LA, LAB, HLA, LC, HLC	13.12	333	11.00	279	18.62	473	16.50	419	9.00	229	12.00	305	-	-
MC	800A	MC, HMC	*	*	*	*	18.62	473	12.87	327	10.50	267	12.00	305	-	-
NB Tri-Pac	800A	NB Tri-Pac	*	*	*	*	18.62	473	12.87	327	10.50	267	12.00	305	-	-
NB, NC	1200A	NB, HNB, NC, HNC	*	*	*	*	18.62	473	12.87	327	10.50	267	12.00	305	-	-

* Do not install disconnects in this height enclosure.
(1) Dimensions “C” and “D” on these disconnects do not include space for fuse blocks which are mounted separately.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulation, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Modular Enclosure Disconnects

Westinghouse

SM Disconnect Mechanism

Westinghouse Mechanism for Switches	Amp	Fuse Clip Rating Switch Type	Fuse Class	Enclosure Height 72 A in.	72 A mm	72 B in.	72 B mm	84 A in.	84 A mm	84 B in.	84 B mm	C in.	C mm	D in.	D mm
SM100R	30A	De-ion Switch	-	11.31	287	11.25	286	16.81	427	16.75	425	6.62	168	4.75	121
SM100R	60A	De-ion Switch	-	11.31	287	11.25	286	16.81	427	16.75	425	6.62	168	4.75	121
SM100R	100A	De-ion Switch	-	11.31	287	9.75	248	16.81	427	15.25	387	6.62	168	5.25	121
SM100SFR	30A	DS121R	H,R	11.31	287	11.50	292	16.81	427	17.00	432	7.00	178	5.50	140
SM100SFR	30A	DS122	H,R	11.31	287	11.50	292	16.81	427	17.00	432	7.87	200	5.50	140
SM100SFR	60A	DS222R	H,R	11.31	287	11.50	292	16.81	427	17.00	432	7.87	200	5.50	140
SM100SFR	30A	DS161R	H,R	11.31	287	11.50	292	16.81	427	17.00	432	10.00	254	5.50	140
SM100SFR	30A	DS161R	J	11.31	287	11.50	292	16.81	427	17.00	432	7.25	184	5.50	140
SM100SFR	60A	DS262H	J	11.31	287	11.50	292	16.81	427	17.00	432	7.25	184	5.50	140
SM100SFR	30A	DS162	H,R	11.31	287	11.50	292	16.81	427	17.00	432	10.37	263	5.50	140
SM100SFR	60A	DS262R	H,R	11.31	287	11.50	292	16.81	427	17.00	432	10.37	263	5.50	140
SM100SFR	100A	DS363R(250V)	H,R	11.31	287	11.50	292	16.81	427	17.00	432	10.25	260	5.50	140
SM100SFR	100A	DS363R(600V)	H,R	11.31	287	11.50	292	16.81	427	17.00	432	12.12	308	5.50	140
SM100SFR	60A	DS263(600V)	H,R	11.31	287	11.50	292	16.81	427	17.00	432	12.12	308	5.50	140
SM100SFR	100A	DS363R	J	11.31	287	11.50	292	16.81	427	17.00	432	8.87	225	5.50	140
SM150R	30A	DS16U Switch	-	11.31	287	11.50	292	16.81	427	17.00	432	5.12	130	5.50	140
SM150R	60A	DS26U Switch	-	11.31	287	11.50	292	16.81	427	17.00	432	5.12	130	5.50	140
SM150R (1)	100A	DS36U Switch	-	11.31	287	11.50	292	16.81	427	17.00	432	5.12	130	5.50	140
SM150R (1)	100A	DS364	H,R	11.31	287	11.50	292	16.81	427	17.00	432	5.12	130	5.50	140
SM200SR (1)	200A	DS46U Switch	-	10.87	276	9.00	229	16.37	416	14.50	368	7.37	187	6.75	171
SM200SR (1)	200A	DS465 Switch	H,R	10.87	276	9.00	229	16.37	416	14.50	368	7.37	187	6.75	171
SM200SFR	200A	DS464R	H,R	10.87	276	9.00	229	16.37	416	14.50	368	15.25	387	6.75	171

Westinghouse Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height 72 A in.	72 A mm	72 B in.	72 B mm	84 A in.	84 A mm	84 B in.	84 B mm	C in.	C mm	D in.	D mm
SM150R	100A	EB	11.31	287	10.50	267	16.81	427	16.00	406	5.12	130	5.50	140
SM101PR	100A	FB Tri-Pac	11.31	287	10.50	267	16.81	427	16.00	406	8.00	203	5.50	140
SM101PR	150A	MCP (0-4) current limiting	11.31	287	10.50	267	16.81	427	16.00	406	8.00	203	5.50	140
SM150R	150A	F (series C)	11.31	287	10.50	267	16.81	427	16.00	406	8.00	203	5.50	140
SM250JR	250A	J (series C)	10.87	276	8.00	203	16.37	416	13.50	343	8.50	216	7.50	191
SM400KR	400A	K (series C)	10.87	276	7.62	194	16.37	416	13.12	333	9.12	232	7.50	191
SM400PR	400A	LA Tri-Pac	10.87	276	7.75	197	16.37	416	13.25	337	14.50	368	9.75	248
SM400R	600A	LA, LAB, HLA, LC, HLC	10.87	276	7.75	197	16.37	416	13.25	337	9.25	50	9.75	248
SM400R	600A	LA, LAB, HLA, LC, HLC	10.87	276	7.75	197	16.37	416	13.25	337	9.25	50	9.75	248
SM800R	800A	MC, HMCL	*	*	*	*	16.37	416	9.62	244	10.75	581	9.75	248
SM400PR	800A	NB, Tri-Pac	*	*	*	*	16.37	416	9.62	244	16.87	428	9.75	248
SM1200R	1200A	NB, HNB, NC, HNC	*	*	*	*	16.37	416	9.62	244	10.75	581	9.75	248

* Do not install disconnects in this height enclosure.
(1) Dimensions "C" and "D" on these disconnects do not include space for fuse blocks which are mounted separately.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulation, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Modular Enclosure Disconnects

Disconnect Ordering Information

Allen-Bradley

Standard enclosures designed to accept variable depth type 1494V.

Allen-Bradley 1494V disconnect switch:

1. Disconnect switch
2. Operating mechanism
3. Operating handle
4. Fuse block kit, (if required)
5. Fuse clip kit, (if required)
6. Line and load connectors, (if necessary)
7. Connecting rod

Allen-Bradley 1494V circuit breaker:

1. Circuit breaker (General Electric, Westinghouse)
2. Operating mechanism
3. Operating handle
4. Line and load connectors, (if necessary)
5. Connecting rod

Standard enclosures designed to accept fixed depth type 1494F or 1494D.

Allen-Bradley 1494F disconnect switch:

1. Disconnect switch
2. Operating mechanism
3. Operating handle
4. Fuse block kit, (if required)
5. Fuse clip kit, (if required)
6. Line and load connectors, (if necessary)

Allen-Bradley 1494D circuit breaker:

1. Circuit breaker (General Electric, Westinghouse)
2. Operating mechanism
3. Operating handle
4. Line and load connectors, (if necessary)
5. Slide mechanism

Cutler-Hammer

Standard enclosures designed to accept variable depth type C361 or C371.

Cutler-Hammer C361 disconnect switch:

1. Disconnect switch
2. Operating mechanism
3. Operating handle
4. Fuse clip kit (if required)
5. Line and load connectors (if necessary)

NOTE: Items 1,2 and 3 can be ordered as an assembly.

Cutler-Hammer C371 circuit breaker:

1. Circuit breaker (Cutler-Hammer, Westinghouse)
2. Operating mechanism
3. Operating handle
4. Line and load connectors (if necessary)

NOTE: Items 2 and 3 can be ordered as an assembly.

General Electric

Standard enclosures designed to accept variable depth type TDA.

General Electric TDA disconnect switch:

1. Disconnect switch, (QMR, QMW)
2. Operating mechanism
3. Operating handle TDA1
4 Fuse clip kit or no-fuse kit, (if required)
5. Line and load connectors, (if necessary)
6. Extended length drive rod, (if required)

NOTE: These items can be ordered as an assembly.

General Electric TDA circuit breaker:

1. Circuit breaker
2. Operating mechanism
3. Operating handle TDA1
4. Line and load connectors, (if necessary)
5. Extended length drive rod, (if required)

I-T-E Siemens

Standard enclosures designed to accept MAX-FLEX type FHO.

I-T-E MAX-FLEX circuit breaker:

1. Circuit breaker
2. Operating mechanism
3. Operating handle
4. Line and load connectors, (if necessary)
5. Operating cable

NOTE: Items 2,3 and 5 can be ordered as an assembly, standard with a 36 inch long operating cable. All 24 inch deep enclosures require a 48 inch long cable.

Square D

Standard enclosures designed to accept variable depth type 9422.

Square D 9422 disconnect switch:

1. Disconnect switch
2. Operating mechanism
3. Operating handle
4. Fuse clip kit, (if required)
5. Line and load connectors, (if necessary)
6. Connecting rod

Square D 9422 circuit breaker:

1. Circuit breaker
2. Operating mechanism
3. Operating handle
4. Line and load connectors, (if necessary)
5. Connecting rod

Type 12 Free-Standing Modular Enclosure Disconnects

Disconnect Ordering Information

Westinghouse

Standard enclosures designed to accept below handle type AMT.

Westinghouse AMT disconnect switch:

1. Disconnect switch
2. Pivot mechanism assembly for below handle mounting
3. Backplate and yoke assembly for below handle mounting
4. Operating handle
5. Fuse block kit, (if required)
6. Fuse clip kit (if required)
7. Line and load connectors, (if necessary)
8. Connecting rod

Westinghouse AMT circuit breaker:

1. Circuit breaker
2. Pivot mechanism assembly for below handle mounting
3. Backplate and yoke assembly for below handle mounting
4. Operating handle
5. Line and load connectors, (if necessary)
6. Fuse clip kit, (if required)
7. Connecting rod

Standard enclosures designed to accept fixed depth type SM.

Westinghouse SM disconnect switch:

1. Disconnect switch
2. Operating mechanism
3. Operating handle
4. Fuse block kit, (if required)
5. Fuse clip kit, (if required)
6. Line and load connectors, (if necessary)

Westinghouse SM circuit breaker:

1. Circuit breaker
2. Operating mechanism
3. Operating handle
4. Line and load connectors, (if necessary)

Important Note

When ordering modular flange-mounted disconnect equipment, be sure to include all necessary components listed below.

1. Enclosure includes the following equipment:
   Enclosure door locking handle and rods
   Door interlocking system
   Interlocking connecting rod
   Adjustable bracket, (see note 4)
2. Operator adapter plate, gasket and hardware for the type of disconnect device being used MUST be ordered separately (see page 381)
3. Modular gasket kits and/or end plates (see page 259)
4. 24 inch deep enclosures include an adjustable bracket for mounting some disconnects:
   Cutler-Hammer C361 device
   Cutler-Hammer C371 E and F devices unless long connecting rod C371CS1 is specified
   Cutler-Hammer C371 G and K devices unless long connecting rod C371CS2 is specified
   General Electric TDA device unless extended length rod TDSR is specified
   Square D 9422 device unless extra long connecting rod 9422-R2 is specified
   Note: Some devices require two rods, consult the device manufacturer (Westinghouse AMT below handle device)
5. Disconnects and related components are available from the manufacturer
6. The disconnect ordering information provided is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

TYPE 4, 12/13 DISCONNECT ENCLOSURES

Premier Series Disconnect Enclosures 272
Flange-Mount Disconnect Enclosures 274
Flange-Mount Enclosure Disconnects 277
Floor-Standing Double-Door Disconnect Enclosures 283
Floor-Standing Double-Door Enclosure Disconnects 288
Heavy-Duty Free-Standing Flange-Mount Disconnect Enclosures 298
Heavy-Duty Free-Standing Flange-Mount Enclosure Disconnects 305

Type 4 & 12 Single Door Wall Mount Enclosures and Type 4, 4X and 12 Single Door Wall Mount Stainless Steel Enclosures

Data Sheet

Application

- Provides housing for electrical controls and instruments in a contemporary, streamlined design
- Offers increased flexibility and improved features, suitable for any high-tech or standard installation
- Is suitable for indoor or outdoor use
- Protects against circulating and windblown dust, falling dirt, dripping non-corrosive liquids, rain, splashing water, and hose-directed water
- **Designed to house the following:**

1. Allen-Bradley Bulletin 1494V disconnect switches with flange-mounted variable depth operating mechanisms and Bulletin 1494V flange-mounted variable depth operating mechanisms for circuit breakers.
2. Cutler-Hammer/Westinghouse Type C361 flange-mounted variable depth operating mechanisms with disconnect switches and Type C371 flange-mounted variable depth operating mechanisms for circuit breakers. Also Flex Shaft™ handle mechanisms for circuit breakers.
3. General Electric Type STDA flange handles and variable depth operating mechanisms for disconnect switches and circuit breakers. Also Spectra Flex™ cable operators for circuit breakers.
4. ITE Max-FlexTM flange-mounted variable depth operating handle for disconnect switches and circuit breakers, as well as some fixed depth operators for disconnect switches.
5. Square D Class 9422 disconnect switches with flange mounted variable depth operating mechanisms and Class 9422 flange-mounted variable depth operating mechanisms or cable mechanisms for circuit breakers.
6. ABB Controls flange-mounted variable depth operating mechanisms for disconnect switches and circuit breakers.

Construction

- Enclosure and door are fabricated from code gauge steel (see table)
- Hardware kit (provided) contains grounding hardware, .312-18 flanged hex nuts for panel mounting, and sealing washers for body mounting holes
- Body flange trough design, formed around body opening, diverts liquid contaminants away from door opening
- Reduced width flange design increases enclosure opening
- Ground stud provided in enclosure body
- .312-18 collar studs are provided for mounting optional Premier panels
- Enclosure mounting holes in body provided for direct mounting or optional mounting feet
- Utility bracket provides wire management and accessory mounting
- Padlockable “tool-to-open” handle with 2-point or 3-point door closing hardware installed
- Door is secured to the body with a unique spring-loaded concealed hinge
- Door is easily removed and interchangeable
- Door has a fixed, oil and water-resistant, seamless foam-in-place gasket
- Door opens 170° for easy access
- Door stiffeners are provided on larger enclosures for added rigidity
- Latching system interlocks with the disconnect handle for added safety

Standards

- UL 508 listed, Type 4 or 4X, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 4 and Type 12/13
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Stainless enclosures are offered with a brushed finish in both 304 and 316L stainless steel.

Accessories

- Premier panels
- NEMA panel adapters
- Depth adjustment brackets
- Print pockets
- Mounting foot kits
- EIA/TIA rack mounting angles
- Swing-out panels

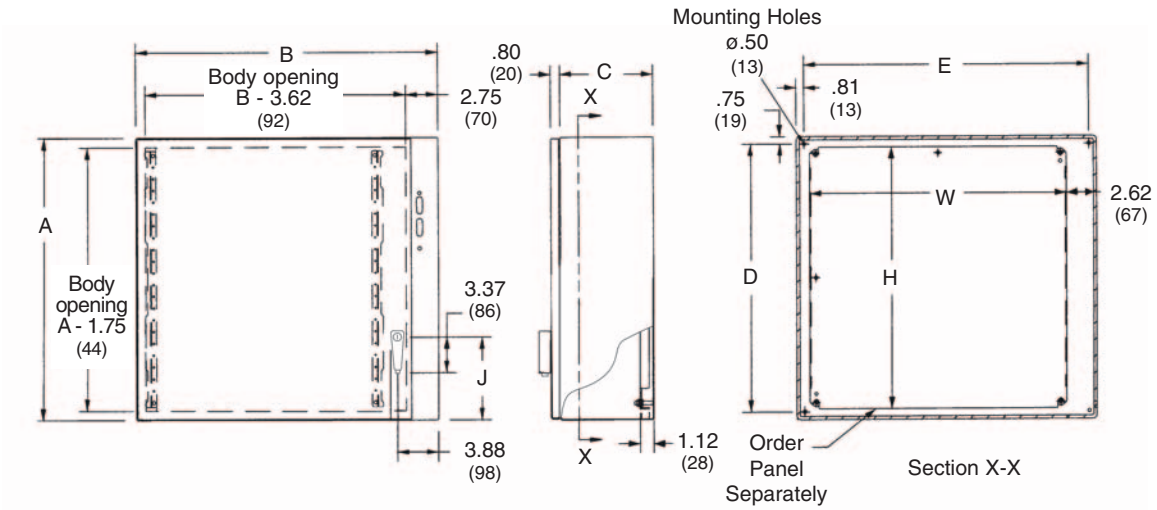
Important Note
Door closing hardware, handle,latching bar, latching bar bracket interlock, hardware and instruction sheet to locate and install disconnects are furnished with enclosure. Disconnect switch (or circuit breaker), operating handle and operating mechanism are **not** furnished with enclosure, see disconnect ordering information pages 277 - 282

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Premier Series Disconnect
Catalog Number

Enclosure Catalog Number	Door Gauge in.	Body Gauge in.	Enclosure Size Height x Width x Depth A x B x C in.	mm	Panel Catalog Number	Panel Size H x W in.	mm	Mounting D x E in.	mm	J in.	mm
DSC20228					2020P						
DSC20228SS4	14	16	20.00x22.00x8.00	508x559x203	2020PSS4	18.00x18.00	457x457	18.50x20.37	470x518	5.0	127
DSC20228SS6					--						
DSC24228					2420P						
DSC24228SS4	14	16	24.00x22.00x8.00	610x559x203	2420PSS4	22.00x18.00	559x457	22.50x20.37	572x518	6.0	153
DSC24228SS6					--						
DSC24268					2424P						
DSC24268SS4	14	16	24.00x26.00x8.00	610x660x203	2424PSS4	22.00x22.00	559x559	22.50x24.37	572x619	6.0	153
DSC24268SS6					--						
DSC30268					3024P						
DSC30268SS4	14	16	30.00x26.00x8.00	762x660x203	3024PSS4	28.00x22.00	711x559	28.50x24.37	724x619	6.0	153
DSC30268SS6					--						
DSC36268					3624P						
DSC36268SS4	14	14	32.00x26.00x8.00	914x660x203	3624PSS4	34.00x22.00	864x559	34.50x24.37	876x619	6.0	153
DSC36268SS6					--						
DSC36328					3630P						
DSC36328SS4	14	14	36.00x32.00x8.00	914x813x203	3630PSS4	34.00x28.00	864x711	34.50x30.37	869x771	6.0	153
DSC36328SS6					--						
DSC423212					4230P						
DSC423212SS4	14	14	42.00x32.00x12.00	1067x813x305	4230PSS4	40.00x28.00	1016x711	40.50x30.37	1029x771	21.0	53
DSC423212SS6					--						
DSC423812					4236P						
DSC423812SS4	14	14	42.00x38.00x12.00	1067x965x305	4236PSS4	40.00x34.00	1016x864	40.50x36.37	1029x924	21.0	53
DSC423812SS6					--						
DSC483812					4836P						
DSC483812SS4	14	14	48.00x38.00x12.00	1219x965x305	4836PSS4	46.00x34.00	1168x864	46.50x36.37	1181x924	24.0	610
DSC483812SS6					--						
DSC603812					6036P						
DSC603812SS4	14	14	60.00x38.00x12.00	1524x965x305	6036PSS4	58.00x34.00	1473x864	58.50x36.37	1486x924	30.0	762
DSC603812SS6					--						

Painted Steel - Part Number alone. Stainless Steel 304 - Part Number with SS4. Stainless Steel 316 - Part Number with SS6.



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Flange-Mount Disconnect Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

- **Designed to house the following:**

1. Allen-Bradley Bulletin 1494V disconnect switches with flange-mounted variable depth operating mechanisms and Bulletin 1494V flange-mounted variable depth operating mechanisms for circuit breakers.
2. Cutler-Hammer/Westinghouse Type C361 flange-mounted variable depth operating mechanisms with disconnect switches and Type C371 flange mounted variable depth operating mechanisms for circuit breakers. Also Flex Shaft™ handle mechanisms for circuit breakers.
3. General Electric Type STDA flange handles and variable depth operating mechanisms for disconnect switches and circuit breakers. Also Spectra Flex™ cable operators for circuit breakers.
4. I-T-E Max-Flex™ flange-mounted variable depth operating handle for disconnect switches and circuit breakers as well as some fixed depth operators for disconnect switches.
5. Square D Class 9422 disconnect switches with flange-mounted variable depth operating mechanisms or cable mechanisms and Class 9422 flange-mounted variable depth operating mechanisms or,cable mechanisms for circuit breakers.
6. ABB Controls flange-mounted variable depth operating mechanisms for disconnect switches and circuit breakers.

Construction

- Enclosure and door are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Door is secured to the body with a heavy-duty continuous hinge
- Door has an interlock bracket, collar studs and hardware to accept a door closing mechanism
- Door has a fixed, oil-resistant gasket
- Ground stud provided on door
- Print pocket provided
- Formed lip around enclosure opening diverts liquids and contaminants
- Holes are provided on body flange and door for mounting a disconnect operating mechanism, (mechanism not furnished with enclosure -- see manufacturer's table, pages 277-282)
- Enclosures include a properly sized 2-pt latching bar (under 40 inches) or a 3-pt latching bar (40 inches or higher)
- .375-16 collar studs are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder outside with a white polyester powder finish inside

Accessories

- Panels
- Touch-up paint
- See Accessories section

Important Note

Latching bar, latching bar bracket interlock, hardware and instruction sheet to locate and install disconnects are furnished with enclosure.

Disconnect switch (or circuit breaker), operating handle, operating mechanism and door closing hardware are **not** furnished with enclosure, see disconnect ordering information pages 277-282

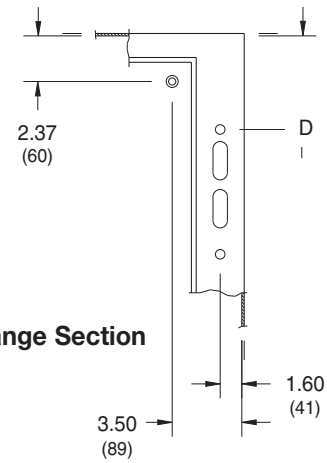
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Flange-Mount Disconnect Enclosures

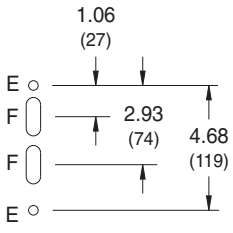
Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Panel Catalog Number	Panel Size Height x Width in.	mm
FD20218-12	20.00x21.37x8.00	508x543x203	AW2020P	17.00x17.00	432x432
FD24218-12	24.00x21.37x8.00	610x543x203	AW2420P	20.87x16.87	530x428
FD24258-12	24.00x25.37x8.00	610x644x203	AW2424P	20.87x20.87	530x530
FD30218-12	30.00x21.37x8.00	762x543x203	AW3020P	26.87x16.87	682x428
FD30258-12	30.00x25.37x8.00	762x644x203	AW3024P	26.87x20.87	682x530
FD36258-12	36.00x25.37x8.00	914x644x203	AW3624P	32.87x20.87	835x530
FD36318-12	36.00x31.37x8.00	914x797x203	AW3630P	32.87x26.87	835x682
FD42318-12	42.00x31.37x8.00	1067x797x203	AW4230P	38.87x26.87	987x682
FD42378-12	42.00x37.37x8.00	1067x949x203	AW4236P	38.87x32.87	987x835
FD48378-12	48.00x37.37x8.00	1219x949x203	AW4836P	44.87x32.87	1140x835
FD60378-12	60.00x37.37x8.00	1524x949x203	AW6036P	56.87x32.87	1444x835
FD202110-12	20.00x21.37x10.00	508x543x254	AW2020P	17.00x17.00	432x432
FD242110-12	24.00x21.37x10.00	610x543x254	AW2420P	20.87x16.87	530x428
FD242510-12	24.00x25.37x10.00	610x644x254	AW2424P	20.87x20.87	530x530
FD302110-12	30.00x21.37x10.00	762x543x254	AW3020P	26.87x16.87	682x428
FD302510-12	30.00x25.37x10.00	762x644x254	AW3024P	26.87x20.87	682x530
FD362510-12	36.00x25.37x10.00	914x644x254	AW3624P	32.87x20.87	835x530
FD363110-12	36.00x31.37x10.00	914x797x254	AW3630P	32.87x26.87	835x682
FD423110-12	42.00x31.37x10.00	1067x797x254	AW4230P	38.87x26.87	987x682
FD423710-12	42.00x37.37x10.00	1067x949x254	AW4236P	38.87x32.87	987x835
FD483710-12	48.00x37.37x10.00	1219x949x254	AW4836P	44.87x32.87	1140x835
FD603710-12	60.00x37.37x10.00	1524x949x254	AW6036P	56.87x32.87	1444x835
FD302512-12	30.00x25.37x12.00	762x644x305	AW3024P	26.87x20.87	682x530
FD363112-12	36.00x31.37x12.00	914x797x305	AW3630P	32.87x26.87	835x682
FD423112-12	42.00x31.37x12.00	1067x797x305	AW4230P	38.87x26.87	987x682
FD423712-12	42.00x37.37x12.00	1067x949x305	AW4236P	38.87x32.87	987x835
FD483712-12	48.00x37.37x12.00	1219x949x305	AW4836P	44.87x32.87	1140x835
FD603712-12	60.00x37.37x12.00	1524x949x305	AW6036P	56.87x32.87	1444x835
FD603712A-12*	60.00x37.37x12.00	1524x949x305	AW6036P	56.87x32.87	1444x835
FD363116-12	36.00x31.37x16.00	914x797x406	AW3630P	32.87x26.87	835x682
FD483716-12	48.00x37.37x16.00	1219x949x406	AW4836P	44.87x32.87	1140x835
FD603716-12	60.00x37.37x16.00	1524x949x406	AW6036P	56.87x32.87	1444x835

* The 400 amp and 600 amp Allen-Bradley Bulletin 1494V disconnect switches and I-T-E Siemens 800 amp and 1200 amp circuit breakers will not fit any other enclosure except catalog number FD603712A-12. Enclosures 12 inches and 16 inches deep can be modified to accept I-T-E Siemens 800 amp and 1200 amp circuit breakers. When enclosure "A" dimension is 30, 36, or 42 inches, verify the amount of wire bend space required for both the line and load sides.



Flange Section



Flange Hole Detail

D (When enclosure depth is:) 8 in.	8 mm	10 in.	10 mm	12 in.	12 mm	16 in.	16 mm
4.75	121	7.09	180	11.62	295	11.62	295

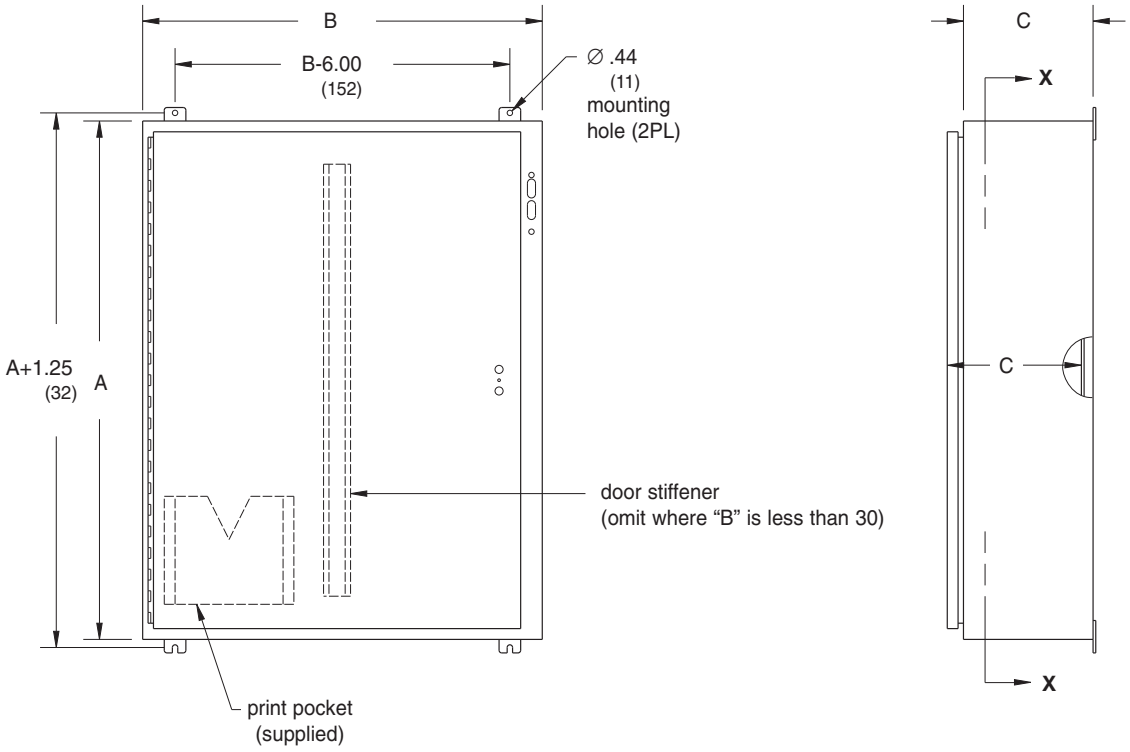
E = .28 (7) Dia. hole
F = .50 x 1.50 (13x38) slot

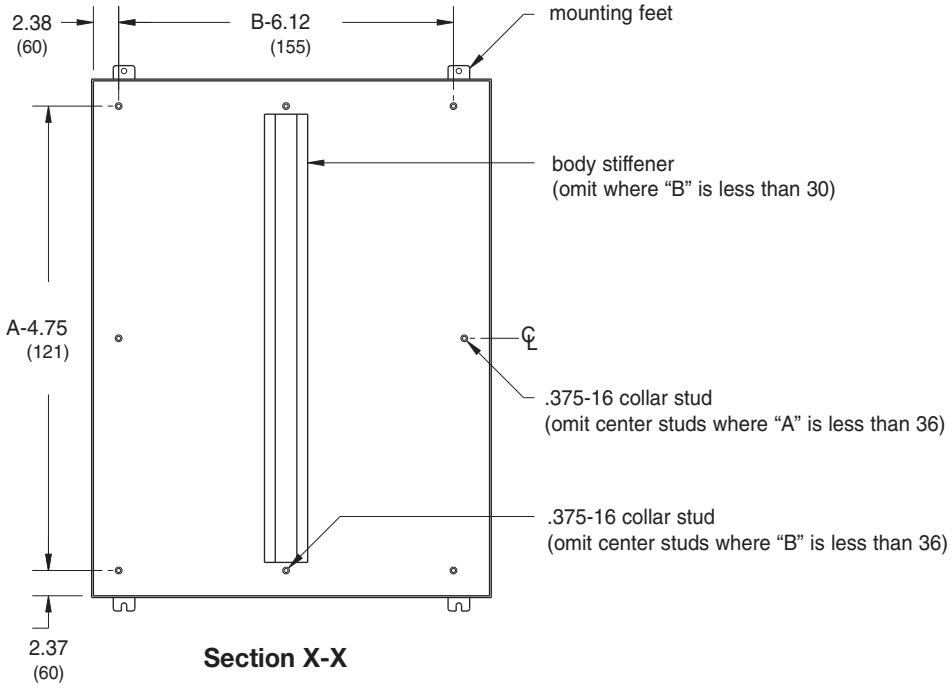
Flange Hole Location Table

Notes: Catalog number FD603712A-12 has a larger cutout in the enclosure flange to accomodate the Allen-Bradley 1494V-H2 and the I-T-E FHOHN operating handles. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Flange-Mount Disconnect Enclosures

Illustration Sheet





Section X-X

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Flange-Mount Enclosure Disconnects

Allen-Bradley

1494V Disconnect Mechanism

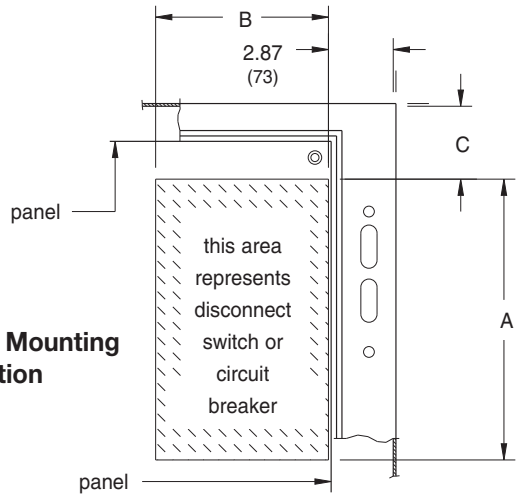
Allen-Bradley Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	A		B		C (when enclosure depth is:) 8		10		12		16	
		Amp	Volt		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
DS30	30A	(non)	(non)	--	5.75	146	6.37	162	2.87	73	5.25	133	9.75	248	9.75	248
DS30	30A	30A	250V	H,K,R	7.12	181	6.37	162	2.87	73	5.25	133	9.75	248	9.75	248
DS30	30A	30A	600V	H,K,R	9.87	251	6.37	162	2.87	73	5.25	133	9.75	248	9.75	248
DS30	30A	30A	600V	J	7.12	181	6.37	162	2.87	73	5.25	133	9.75	248	9.75	248
DS30	30A	60A	250V	H,K	7.87	200	6.37	162	2.87	73	5.25	133	9.75	248	9.75	248
DS30	30A	60A	600V	H,K	10.37	263	6.37	162	2.87	73	5.25	133	9.75	248	9.75	248
DS30	30A	60A	600V	J	7.25	184	6.37	162	2.87	73	5.25	133	9.75	248	9.75	248
DS60	60A	(non)	(non)	--	5.87	149	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS60	60A	60A	250V	H,K,R	8.00	203	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS60	60A	60A	600V	H,K,R	10.50	267	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS60	60A	60A	600V	J	7.37	187	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS60	60A	30A	600V	H,K,R	10.00	254	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS60	60A	100A	250V	H,K	10.50	267	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS60	60A	100A	600V	H,K	12.50	318	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS60	60A	100A	600V	J	9.25	235	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS100	100A	(non)	(non)	--	8.25	210	7.62	194	*	*	3.62	92	8.12	206	8.12	206
DS100	100A	100A	250V	H,K,R	13.87	352	7.62	194	*	*	3.62	92	8.12	206	8.12	206
DS100	100A	100A	600V	H,K,R	15.87	403	7.62	194	*	*	3.62	92	8.12	206	8.12	206
DS100	100A	100A	600V	J	12.62	321	7.62	194	*	*	3.62	92	8.12	206	8.12	206
DS100	100A	200A	600V	H,K	14.75	375	7.62	194	*	*	3.62	92	8.12	206	8.12	206
DS100	100A	200A	600V	H,K	17.25	438	7.62	194	*	*	3.62	92	8.12	206	8.12	206
DS100	100A	200A	600V	J	13.37	340	7.62	194	*	*	3.62	92	8.12	206	8.12	206

Allen-Bradley Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		A		B		C (when enclosure depth is:) 8		10		12		16	
		Manufacturer	Frame(s)	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
M40	150A	General Electric	TED, THED, TEC	6.12	155	4.25	108	4.25	108	6.62	168	11.12	282	11.12	282
M40	150A	Westinghouse	F (series C)	5.50	140	4.25	108	4.25	108	6.62	168	11.12	282	11.12	282
M50	250A	Westinghouse	J (series C)	11.00	279	4.50	114	*	*	*	*	10.62	270	10.62	270
M60	400A	Westinghouse	K (series C)	11.00	279	5.87	149	*	*	*	*	10.50	267	10.50	267

* Do not install disconnects in this depth enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Disconnect Mounting Location



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Flange-Mount Enclosure Disconnects

Cutler-Hammer

C361 Disconnect Mechanism

Cutler-Hammer Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	A		B		C (when enclosure depth is:) 8		10		12		16	
		Amp	Volt		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
NC	30A	(non)	(non)	--	6.00	152	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SC21	30A	30A	250V	H,K,R	9.00	229	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SC61	30A	30A	600V	H,K,R	9.00	229	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SC61	30A	30A	600V	J	9.00	229	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SC61	30A	60A	250V	H,K,R	9.50	241	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
ND	60A	(non)	(non)	--	6.00	152	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SD22	60A	30A	600V	J	9.00	229	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SD22	60A	60A	250V	H,K,R	9.50	241	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SD62	60A	60A	600V	H,K,R	9.50	241	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SD62	60A	60A	600V	J	9.00	229	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
NE	100A	(non)	(non)	--	6.00	152	7.12	181	3.00	76	5.37	136	9.87	251	9.87	251
SE263	100A	100A	250V	H,K,R	10.62	270	7.12	181	3.00	76	5.37	136	9.87	251	9.87[1]	251
SE263	100A	100A	600V	H,K,R	10.62	270	7.12	181	3.00	76	5.37	136	9.87	251	9.87[1]	251
SE263	100A	100A	600V	J	9.37	238	7.12	181	3.00	76	5.37	136	9.87	251	9.87[1]	251
NF (2)	200A	(non)	(non)	--	16.75	425	9.75	248	*	*	*	*	8.00	203	8.00[1]	203
SF264 (2)	200A	200A	250V	H,K,R	16.75	425	9.75	248	*	*	*	*	8.00	203	8.00	203
SF264 (2)	200A	200A	600V	H,K,R	16.75	425	9.75	248	*	*	*	*	8.00	203	8.00	203
SF264 (2)	200A	200A	600V	J	16.75	425	9.75	248	*	*	*	*	8.00	203	8.00	203

C371 Disconnect Mechanism

Cutler-Hammer Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		A		B		C (when enclosure depth is:) 8		10		12		16	
		Manufacturer	Frame(s)	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
C371E (1)	150A	Cutler-Hammer	HMCP,FS,FH	6.50	165	5.25	133	4.43	113	6.81	173	11.43	290	11.43[1]	290
C371F (1)	225A	Cutler-Hammer	HMCP,JS,JH,JL	11.50	292	7.75	197	*	*	6.75	171	11.25	286	11.25[1]	286
C371F (1)	400A	Cutler-Hammer	HMCP,KS,KH	10.50	267	7.75	197	*	*	*	*	10.75	273	10.75[1]	273
C371G (1)	600A	Cutler-Hammer	LS,LH	9.75	248	11.62	295	*	*	*	*	9.25	235	9.25[1]	235
C371E (1)	150A	Westinghouse	F (series C)	6.50	165	5.25	133	4.43	113	6.81	173	11.43	290	11.43[1]	290
C371F (1)	250A	Westinghouse	J (series C)	11.50	292	7.75	197	*	*	6.75	171	11.25	286	11.25[1]	286
C371F (1)	400A	Westinghouse	K (series C)	10.50	267	7.75	197	*	*	*	*	10.75	273	10.75[1]	273
C371G (1)	600A	Westinghouse	LA,LC	10.87	276	11.62	295	*	*	*	*	9.25	235	9.25[1]	235

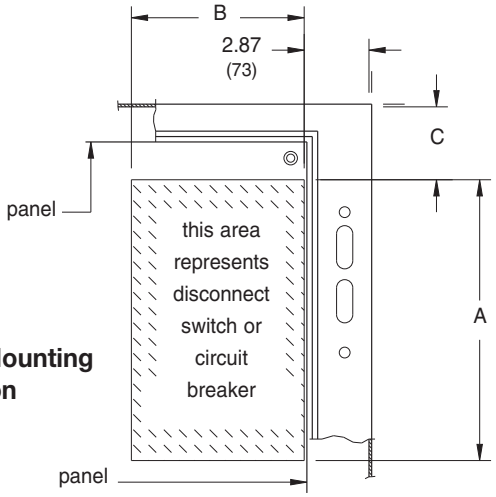
* Do not install disconnects in this depth enclosure.

(1) Wire bending space "C" does not allow for the maximum size cable in some depth enclosures.

(2) Do not install 200A switch in enclosures less than 30 inches high.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Disconnect Mounting Location



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Flange-Mount Enclosure Disconnects

General Electric

TDA Disconnect Mechanism

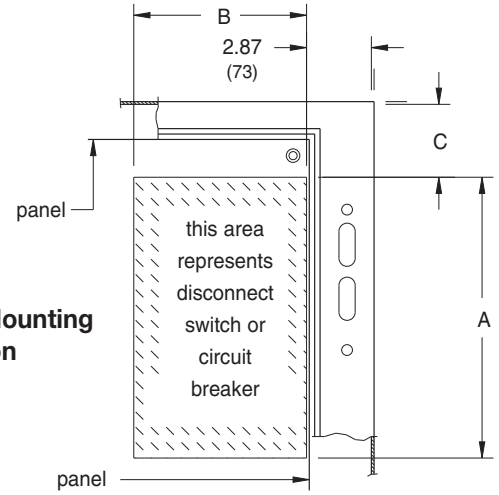
General Electric Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	A		B		C (when enclosure depth is:) 8		10		12		16	
		Amp	Volt		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
TDOM1A	30A	(non)	(non)	--	6.31	160	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1A	30A	30A	250V	H,R	6.31	160	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	30A	30A	600V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	30A	30A	250V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	30A	60A	600V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1A	60A	(non)	(non)	--	6.31	160	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	60A	60A	250V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	60A	60A	600V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	60A	100A	250V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	60A	100A	600V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1A	100A	(non)	(non)	--	6.31	160	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	100A	100A	250V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	100A	100A	600V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	100A	200A	250V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	100A	200A	600V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM2	200A	(non)	(non)	--	9.12	232	8.87	225	*	*	*	*	9.50	241	9.50	241
TDOM2	200A	200A	250V	H,R	17.50	445	8.87	225	*	*	*	*	9.50	241	9.50	241
TDOM2	200A	200A	600V	H,R	17.50	445	8.87	225	*	*	*	*	9.50	241	9.50	241

General Electric Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	A		B		C (when enclosure depth is:) 8		10		12		16	
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
TDOM1A	150A	TEB,TEC,TED,THED	6.43	163	5.00	127	6.06	154	7.50	191	12.06	306	12.06	306
TDOM1B	150A	TBI,TEC,TECL	11.06	281	5.00	127	6.06	154	7.50	191	12.06	306	12.06	306
TDOM1C	150A	TEL	6.43	163	5.00	127	6.06	154	7.50	191	12.06	306	12.06	306
TDOM1D	150A	THLCI	9.75	248	5.00	127	*	*	5.12	130	9.62	244	9.62	244
TDOM3	225A	TFJ,TFK,THFK,TFL	11.43	290	5.50	127	*	*	6.06	154	10.62	270	10.62	270
TDOM4	400A	TJJ,TJK4,THJK4,TJL4V	10.25	260	9.12	232	*	*	5.12	130	9.68	246	9.68	246
TDOM4	600A	TJK6,THJK6,TJ4V,TJL4V	10.25	260	9.12	232	*	*	5.12	130	9.68	246	9.68	246
TDOM5	400A	TB4,TJH6S	16.25	413	9.12	232	*	*	5.12	130	9.68	246	9.68	246
TDOM6	225A	TLB2,THLC2	14.25	362	9.12	232	*	*	*	*	9.12	232	9.12	232
TDOM6	400A	TLB4,THLC4	15.62	397	9.12	232	*	*	*	*	7.75	197	7.75	197

* Do not install disconnects in this depth enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Disconnect Mounting Location



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Flange-Mount Enclosure Disconnects

I-T-E Siemens ®

MAX-FLEX Disconnect Mechanism

Encl. Depth	I-T-E Mechanism for Circuit Breaker	Cable Length	Amp	Circuit Breaker Frame	A(1) device in.	A(1) device mm	A(1) nominal in.	A(1) nominal mm	A(1) min in.	A(1) min mm	A(1) max in.	A(1) max mm	B(2) device in.	B(2) device mm	B(2) max in.	B(2) max mm
8	FHOE036	36	125A	ED,HED,ED6ETI	6.37	162	10.12	257	1.25	32	21.00	533	3.00	76	14.50	368
	FHOE036	36	125A	CED6ETI	8.50	216	13.25	337	4.50	114	24.25	616	3.00	76	14.50	368
	FHOF036	36	250A	FD,HFD,FXD,FXDETI	9.50	241	10.37	263	1.00	25	21.25	540	4.50	114	13.00	330
	FHOF036	36	250A	CFD,CFDETI	14.12	359	15.00	381	3.12	79	21.25	540	4.50	114	13.00	330
	FHOJ036	36	400A	JD,HJD,JXD2,JXD6	11.00	279	10.00	254	1.12	28	20.87	530	7.50	191	14.50	368
	FHOJ036	36	400A	SJD,SHJD,JXD6ETI	11.00	279	10.00	254	1.12	28	20.87	530	7.50	191	14.50	368
	FHOJ036	36	400A	CJD,SCJD,CJD6ETI	17.87	454	16.87	428	6.75	171	26.50	673	7.50	191	14.50	368
	FHOJ036	36	600A	LD,LXD,HLD	11.00	279	10.00	254	1.12	28	20.87	530	7.50	191	14.50	368
	FHOJ036	36	600A	SLD,SHLD,LXD6ETI	11.00	279	10.00	254	1.12	28	20.87	530	7.50	191	14.50	368
	FHOJ036	36	600A	CLD,SCLD,CLD6ETI	17.87	454	16.87	428	6.75	171	26.50	673	7.50	191	14.50	368
10	FHOE036	36	125A	ED,HED,ED6ETI	6.37	162	12.50	318	2.62	67	22.87	581	3.00	76	14.25	362
	FHOE036	36	125A	CED6ETI	8.50	216	16.62	422	5.87	149	26.12	663	3.00	76	14.25	362
	FHOF036	36	250A	FD,HFD,FXD,FXDETI	9.50	241	12.75	324	2.87	73	23.12	587	4.50	114	12.75	324
	FHOF036	36	250A	CFD,CFDETI	14.12	359	17.37	441	5.50	140	28.00	711	4.50	114	12.75	324
	FHOJ036	36	400A	JD,HJD,JXD2,JXD6	11.00	279	12.37	314	2.50	64	22.75	578	7.50	191	14.25	362
	FHOJ036	36	400A	SJD,SHJD,JXD6ETI	11.00	279	12.37	314	2.50	64	22.75	578	7.50	191	14.25	362
	FHOJ036	36	400A	CJD,SCJD,CJD6ETI	17.87	454	19.25	489	9.37	238	29.62	160	7.50	191	14.25	362
	FHOJ036	36	600A	LD,LXD,HLD	11.00	279	12.37	314	2.50	64	22.75	578	7.50	191	14.25	362
	FHOJ036	36	600A	SLD,SHLD,LXD6ETI	11.00	279	12.37	314	2.50	64	22.75	578	7.50	191	14.25	362
	FHOJ036	36	600A	CLD,SCLD,CLD6ETI	17.87	454	19.25	489	9.37	238	29.62	160	7.50	191	14.25	362
12	FHOE036	36	125A	ED,HED,ED6ETI	6.37	162	17.00	432	6.37	162	27.50	699	3.00	76	13.75	349
	FHOE036	36	125A	CED6ETI	8.50	216	19.87	505	9.62	244	30.37	771	3.00	76	13.75	349
	FHOF036	36	250A	FD,HFD,FXD,FXDETI	9.50	241	17.25	438	6.62	168	27.37	695	4.50	114	12.25	311
	FHOF036	36	250A	CFD,CFDETI	14.12	359	21.87	555	11.37	289	32.12	816	4.50	114	12.25	311
	FHOJ036	36	400A	JD,HJD,JXD2,JXD6	11.00	279	16.87	428	6.25	159	26.87	682	7.50	191	13.75	349
	FHOJ036	36	400A	SJD,SHJD,JXD6ETI	11.00	279	16.87	428	6.25	159	26.87	682	7.50	191	13.75	349
	FHOJ036	36	400A	CJD,SCJD,CJD6ETI	17.87	454	23.75	603	13.12	333	33.87	860	7.50	191	13.75	349
	FHOJ036	36	600A	LD,LXD,HLD	11.00	279	16.87	428	6.25	159	26.87	682	7.50	191	13.75	349
	FHOJ036	36	600A	SLD,SHLD,LXD6ETI	11.00	279	16.87	428	6.25	159	26.87	682	7.50	191	13.75	349
	FHOJ036	36	600A	CLD,SCLD,CLD6ETI	17.87	454	23.75	603	13.12	333	33.87	860	7.50	191	13.75	349
16	FHOE036	36	125A	ED,HED,ED6ETI	6.37	162	17.00	432	7.75	197	26.50	673	3.00	76	11.50	292
	FHOE036	36	125A	CED6ETI	8.50	216	19.87	505	11.12	282	29.87	759	3.00	76	11.50	292
	FHOF036	36	250A	FD,HFD,FXD,FXDETI	9.50	241	17.25	438	8.12	206	26.87	682	4.50	114	10.00	254
	FHOF036	36	250A	CFD,CFDETI	14.12	359	21.87	555	13.00	330	31.62	803	4.50	114	10.00	254
	FHOJ036	36	400A	JD,HJD,JXD2,JXD6	11.00	279	16.87	428	7.62	194	26.37	670	7.50	191	11.50	292
	FHOJ036	36	400A	SJD,SHJD,JXD6ETI	11.00	279	16.87	428	7.62	194	26.37	670	7.50	191	11.50	292
	FHOJ036	36	400A	CJD,SCJD,CJD6ETI	17.87	454	23.75	603	14.62	371	33.37	848	7.50	191	11.50	292
	FHOJ036	36	600A	LD,LXD,HLD	11.00	279	16.87	428	7.62	194	26.37	670	7.50	191	11.50	292
	FHOJ036	36	600A	SLD,SHLD,LXD6ETI	11.00	279	16.87	428	7.62	194	26.37	670	7.50	191	11.50	292
	FHOJ036	36	600A	CLD,SCLD,CLD6ETI	17.87	454	23.75	603	14.62	371	33.37	848	7.50	191	11.50	292

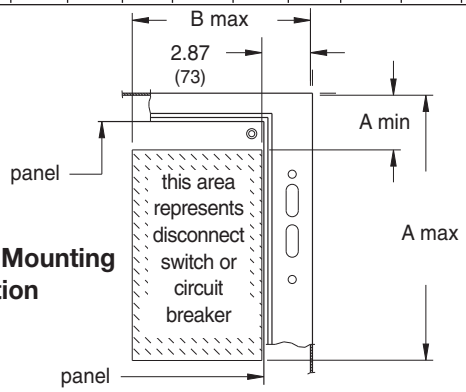
(1) Flexible operating cable allows disconnect to be mounted within minimum and maximum of “A” dimension when “B” is min. (2.87).

(2) Flexible operating cable allows disconnect to be mounted within minimum, (2.87) and maximum of “B” dimension when “A” is nominal.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Disconnect Mounting Location



Type 12 Flange-Mount Enclosure Disconnects

Square D®

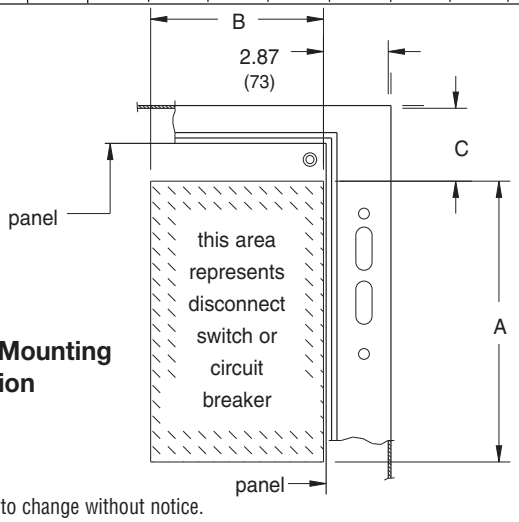
9422 Disconnect Mechanism

Square D Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	A		B		C (when enclosure depth is:) 8		10		12		16	
		Amp	Volt		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
RC-1	30A	(non)	(non)	--	3.37	86	6.87	174	4.62	117	7.00	178	11.50	292	11.50	292
RC-2	30A	30A	250V	H,K,R	5.12	130	6.87	174	4.62	117	7.00	178	11.50	22	11.50	292
RC-3	30A	30A	600V	H,K,R	8.12	206	6.87	174	4.62	117	7.00	178	11.50	292	11.50	292
RC-3	30A	30A	600V	J	5.12	130	6.87	174	4.62	117	7.00	178	11.50	292	11.50	292
RC-3	30A	60A	250V	H,K,R	6.12	155	6.87	174	4.62	117	7.00	178	11.50	292	11.50	292
TC-1	30A	(non)	(non)	--	7.75	197	5.75	146	3.12	79	5.12	130	10.50	267	10.50	267
TC-2	30A	30A	250V	H,K,R	7.75	197	5.75	146	3.12	79	5.12	130	10.50	267	10.50	267
TC-3	30A	30A	600V	H,K,R	7.75	197	5.75	146	3.12	79	5.12	130	10.50	267	10.50	267
TC-3	30A	30A	600V	J	7.75	197	5.75	146	3.12	79	5.12	130	10.50	267	10.50	267
TC-3	30A	60A	250V	H,K,R	7.75	197	5.75	146	3.12	79	5.12	130	10.50	267	10.50	267
TD-1	60A	(non)	(non)	--	9.50	241	6.37	162	3.62	92	6.00	152	10.50	267	10.50	267
TD-2	60A	30A	600V	H,K,R	9.50	241	6.37	162	3.62	92	6.00	152	10.50	267	10.50	267
TD-2	60A	60A	250V	H,K,R	7.62	194	6.37	162	3.62	92	6.00	152	10.50	267	10.50	267
TD-3	60A	60A	600V	H,K,R	10.12	257	6.37	162	3.62	92	6.00	152	10.50	267	10.50	267
TD-3	60A	60A	600V	J	7.62	194	6.37	162	3.62	92	6.00	152	10.50	267	10.50	267
TE-1	100A	(non)	(non)	--	6.12	155	8.12	206	*	*	5.75	146	10.25	260	10.25	260
TE-2	100A	100A	250V	H,K,R	8.87	225	8.12	206	*	*	5.75	146	10.25	260	10.25	260
TE-2	100A	100A	600V	H,K,R	10.87	276	8.12	206	*	*	5.75	146	10.25	260	10.25	260
TE-2	100A	100A	600V	J	7.62	194	8.12	206	*	*	5.75	146	10.25	260	10.25	260
TE-3	100A	200A	600V	J	15.12	384	8.12	206	*	*	5.75	146	10.25	260	10.25	260
TF-1	200A	(non)	(non)	--	8.25	210	11.37	289	*	*	*	*	8.87	225	8.87	225
TF-2	200A	200A	250V	H,K,R	14.25	362	11.37	289	*	*	*	*	8.87	225	8.87	225
TF-2	200A	200A	600V	H,K,R	16.75	425	11.37	289	*	*	*	*	8.87	225	8.87	225
TF-2	200A	200A	600V	J	12.87	327	11.37	289	*	*	*	*	8.87	225	8.87	225
TF-3	200A	400A	600V	J	17.25	438	11.37	289	*	*	*	*	8.87	225	8.87	225

Square D Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	A		B		C (when enclosure depth is:) 8		10		12		16	
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
RN-1	100A	FAL,FHL,FCL	6.12	155	4.25	108	3.75	95	6.12	155	10.62	270	10.62	270
RP-1	250A	KAL,KHL,KCL	7.37	187	4.25	108	*	*	6.87	174	11.37	289	11.37	289
RR-1	400A	LAL,LHL,Q4L	12.25	311	4.50	114	*	*	*	*	7.00	178	7.00	178
RR-2	400A	ILL	11.12	282	5.87	149	*	*	*	*	11.37	289	11.37	289

* Do not install disconnects in this depth enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.



Disconnect Mounting Location

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Flange-Mount Enclosure Disconnects

Disconnect Ordering Information

ALLEN-BRADLEY

Standard enclosure designed to accept variable depth type 1494V.

Allen-Bradley 1494V disconnect switch:

1. Disconnect switch and operating mechanism 1494V.
2. Operating handle 1494V-H1.
3. Trailer fuse block kit, (if required).
4. Fuse clip kit, (if required).
5. Line and load connectors, (if necessary).
6. Door hardware: 2-pt latching mechanism 1494V-L1 or 3-pt latching mechanism 1494-L2.

Allen-Bradley 1494V circuit breaker:

1. Circuit breaker (General Electric, Westinghouse).
2. Operating mechanism.
3. Operating handle 1494V-H11.
4. Door hardware: 2-pt latching mechanism 1494V-L1 or 3-pt latching mechanism 1494V-L2.

CUTLER-HAMMER

Standard enclosures designed to accept variable depth types C361 and C371.

Cutler-Hammer C361 disconnect switch:

1. Disconnect switch and operating mechanism.
2. Operating handle.
3. Door hardware: 2-pt latching mechanism (C361KJ4 or C361KJ6) or 3-pt latching mechanism (C361KJ4 or C361KJ6) and C361KR.

Cutler-Hammer C371 circuit breaker:

1. Circuit breaker (Cutler-Hammer, Westinghouse)
2. Operating mechanism.
3. Operating handle.
4. Door hardware: 2-pt latching mechanism (C361KJ4 or C361KJ6) or 3-pt latching mechanism (C361KJ4 or C361KJ6) and C361KR.

GENERAL ELECTRIC

Standard enclosures designed to accept variable depth type TDA.

General Electric TDA disconnect switch:

1. Disconnect switch (QMR, QMW) and variable depth operating mechanism.
2. Operating handle TDA1.
3. Fuse clip kit or no fuse kit, (if required).
4. Door hardware: 2-pt latching mechanism TDV1 or 3-pt latching mechanism TDV1 and TDV3.

General Electric TDA circuit breaker:

1. Circuit breaker.
2. Variable depth operating mechanism.
3. Operating handle TDA1.
4. Door hardware: 2-pt latching mechanism TDV1 or 3-pt latching mechanism TDV1 and TDV3.

I-T-E SIEMENS

Standard enclosures designed to accept MAX-FLEX type FHO.

I-T-E Siemens MAX-FLEX circuit breaker:

1. Circuit Breaker.
2. Operating mechanism.
3. Operating handle FHOH.
4. Line and load connectors, (if necessary).
5. Operating cable (standard 36 inch).
6. Door hardware: 2-pt latching mechanism DKR2 or 3-pt latching mechanism DKR3.

SQUARE D

Standard enclosures designed to accept variable depth type 9422.

Square D 9422 disconnect switch:

1. Disconnect switch and operating mechanism 9422.
2. Operating handle 9422-A1.
3. Door hardware: 2-pt latching mechanism 9423-M4 or 3-pt latching mechanism (9423-M4 or 9423-M9) and 9423-M3.

Square D 9422 circuit breaker:

1. Circuit breaker.
2. Operating mechanism.
3. Operating handle 9422-A1.
4. Door hardware: 2-pt latching mechanism 9423-M4 or 3-pt latching mechanism (9423-M4 or 9423-M9) and 9423-M3.

Important Note

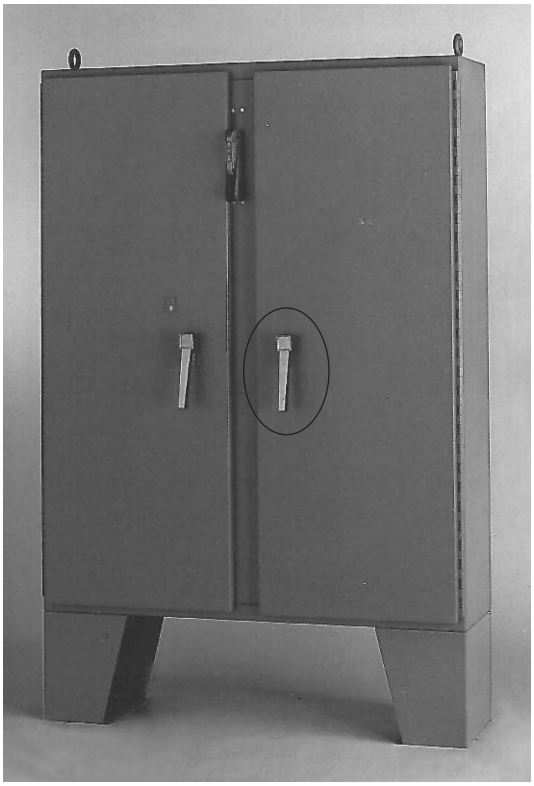
When ordering flange-mounted disconnect equipment be sure to include all the necessary components.

1. Latching bar, latching bar bracket interlock and hardware are furnished with the enclosure.
2. Disconnects and related components are available from the manufacturer, see pages 277 - 282.

Notes: Data subject to change without notice.

Type 12 Floor-Standing Double-Door Disconnect Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Construction

- Enclosure and door are fabricated from (10) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge and a 3-pt padlockable handle mechanism
- Right-side door serves as the master door on the flange mount disconnect type with a defeater mechanism which requires a screwdriver to open
- Left-side door serves as the master door on the center post disconnect type with a defeater mechanism which requires a screwdriver to open
- Slave doors cannot open without activating mechanical interlock but can close in any order
- Universal opening on either the right side flange or the center post will accommodate most disconnect operators when used with operator adapters, (order separately) see page 381
- Print pocket provided
- Doors have a fixed, oil-resistant gasket
- Ground studs provided on door
- Lighting mounting channel provided
- Removable center post allows for easy access and panel installation
- Heavy-gauge angle supports and .375-16 collar studs are provided for optional panel mounting
- Large lifting eyebolts are supplied
- Mounting legs are provided for floor mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder outside with a white polyester powder finish inside

Accessories

- Panels
- Channel mounting hardware
- Blank adapter plates
- Operator adapters
- Leg stabilizer kit
- Touch-up paint
- See Accessories section
- *See page 364 for new handle design (00011184 A).*

Important Note

When ordering flange or center-mounted disconnect enclosures, be sure to include all the necessary components.

1. A flange or center-mounted enclosure
2. A panel (optional)
3. Operator adapter plates MUST be ordered for the specific brand and type of disconnect being used, (see page 381)

Disconnect switch (or circuit breaker), operating handle and operating mechanism are not furnished with enclosure, see disconnect ordering information, pages 288 - 297.

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements

Type 12 Floor-Standing Double-Door Disconnect Enclosures

Catalog Number

Center-Mounted

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Panel Catalog Number	Panel Size Height x Width in.	mm
CD604812-12FD	60.00x48.12x12.00	1524x1222x305	AW6048P	55.87x43.87	1419x1114
CD606012-12FD	60.00x60.12x12.00	1524x1527x305	AW6060P	55.87x55.87	1419x1419
CD726012-12FD	72.00x60.12x12.00	1829x1527x305	AW7260P	67.87x55.87	1724x1419
CD727212-12FD	72.00x72.12x12.00	1829x1832x305	AW7272P	67.87x67.87	1724x1419
CD727218-12FD	72.00x72.12x18.00	1829x1832x305	AW7272P	67.87x67.87	1724x1724

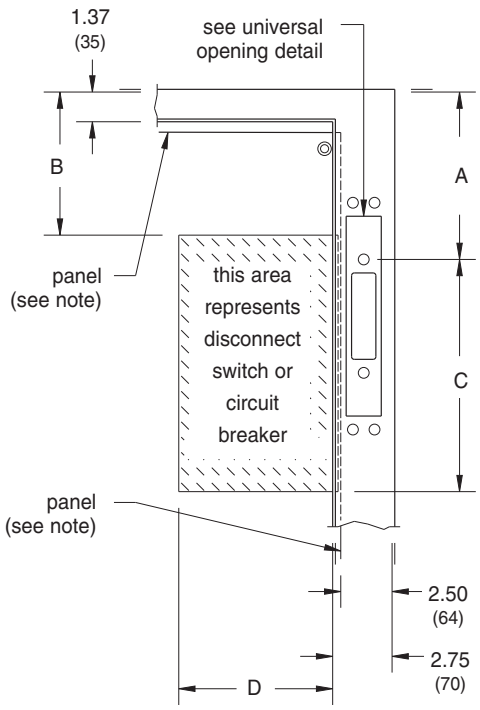
Flange-Mounted

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Panel Catalog Number	Panel Size Height x Width in.	mm
FD604912-12FD	60.00x49.00x12.00	1524x1245x305	AW6048P	55.87x43.87	1419x1114
FD606112-12FD	60.00x61.00x12.00	1524x1549x305	AW6060P	55.87x55.87	1419x1419
FD726112-12FD	72.00x61.00x12.00	1829x1549x305	AW7260P	67.87x55.87	1724x1419
FD727312-12FD	72.00x73.00x12.00	1829x1854x305	AW7272P	67.87x67.87	1724x1724
FD604918-12FD	60.00x49.00x18.00	1524x1245x457	AW6048P	55.87x43.87	1419x1114
FD606118-12FD	60.00x61.00x18.00	1524x1549x457	AW6060P	55.87x55.87	1419x1419
FD726118-12FD	72.00x61.00x18.00	1829x1549x457	AW7260P	67.87x55.87	1724x1419
FD727318-12FD	72.00x73.00x18.00	1829x1854x457	AW7272P	67.87x67.87	1724x1724
FD727324-12FD	72.00x73.00x24.00	1829x1854x610	AW7272P	67.87x67.87	1724x1724

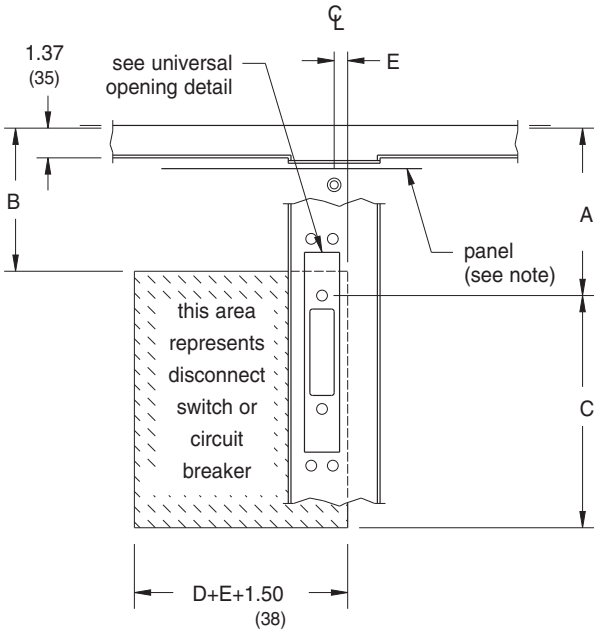
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Double-Door Disconnect Enclosures

Detail Sheet



Flange Mounting



Center Post Mounting

The dimensional information provided in these drawings is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

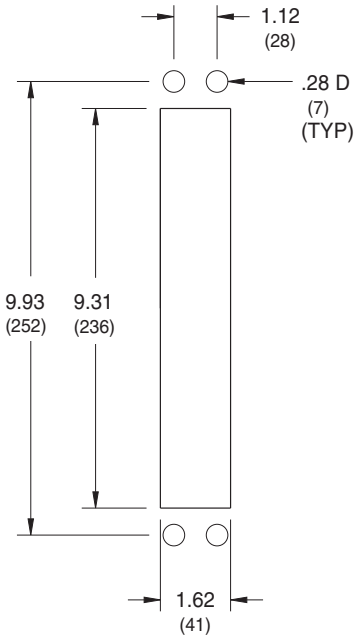
Universal opening must be filled with an operator adapter kit for the specific brand and type of disconnect being used, (see page 381).

Important Note

When ordering flange or center-mounted disconnect enclosures, be sure to include all the necessary components.

1. A flange or center-mounted enclosure
2. A panel (optional)
3. Operator adapter plates MUST be ordered for the specific brand and type of disconnect being used, (see page 381)

Disconnect switch (or circuit breaker), operating handle and operating mechanism are not furnished with enclosure, see disconnect ordering information, pages 288 - 297.

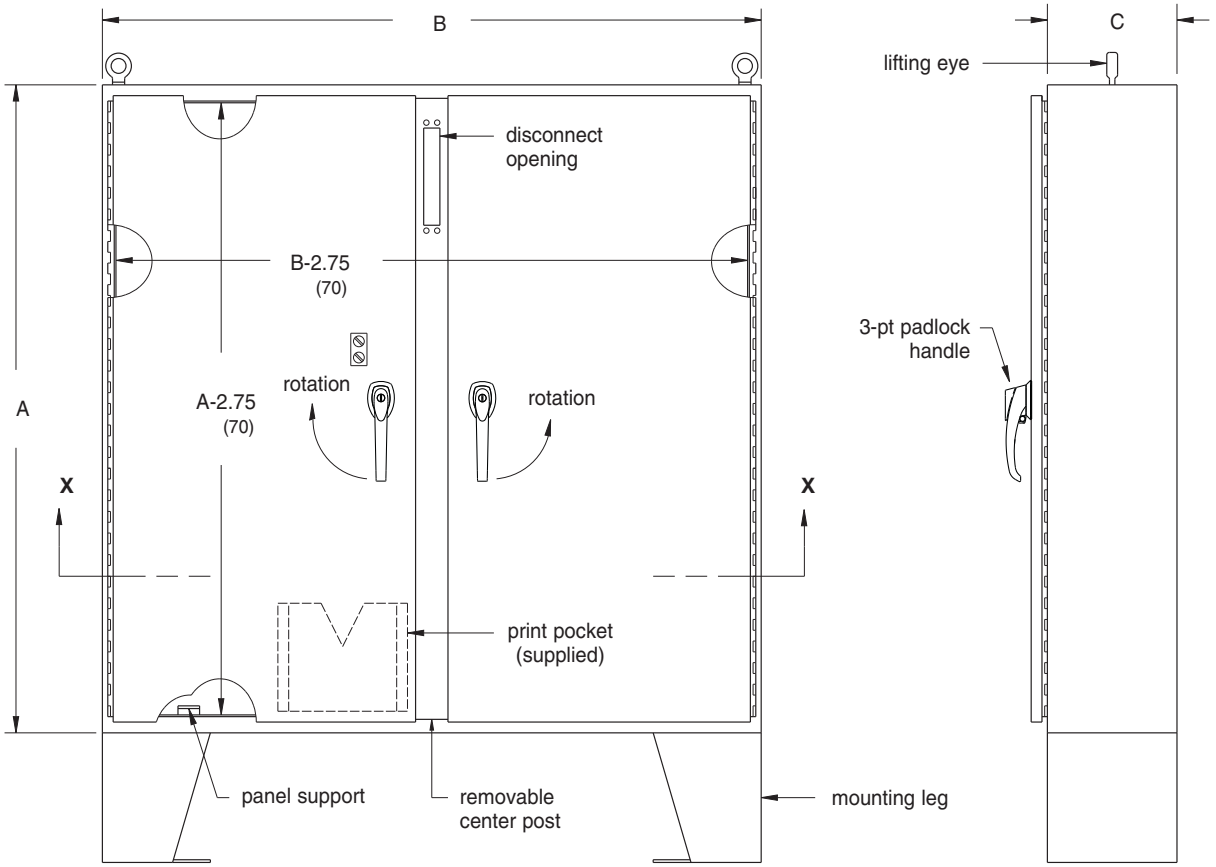


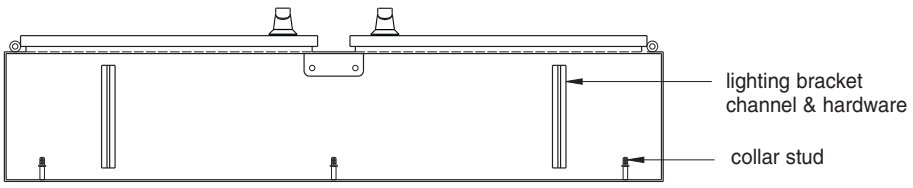
Universal Opening Detail

Notes: Refer to disconnect tables for associated dimensions. Panels are ordered separately. Refer to catalog table for size and ordering information. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Center-Mount Double-Door Enclosures

Illustration Sheet



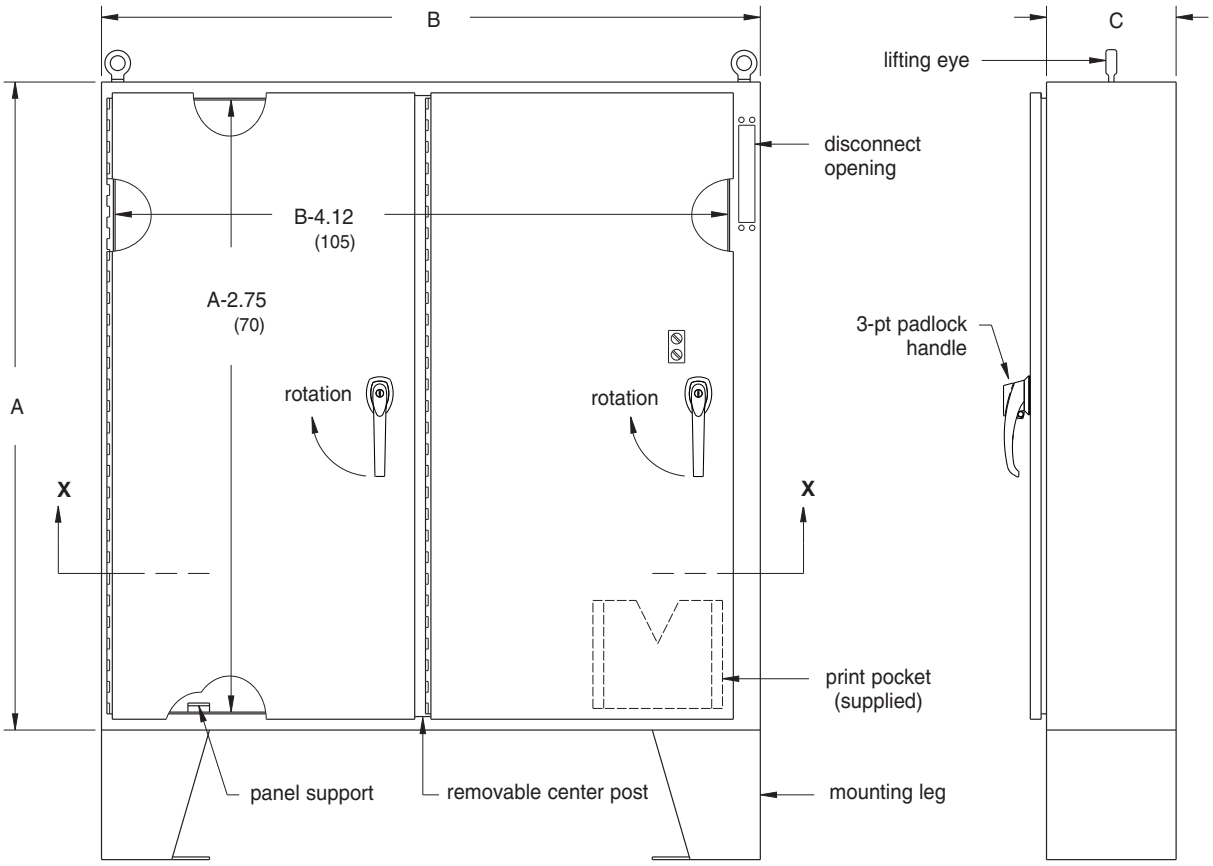


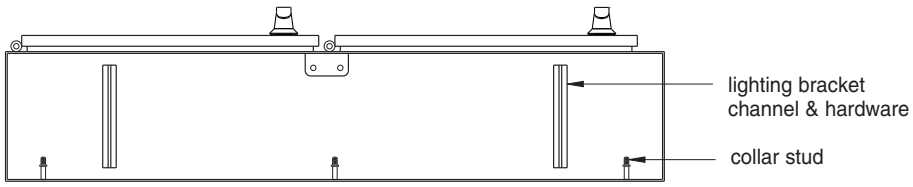
Section X-X

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Flange-Mount Double-Door Enclosures

Illustration Sheet





Section X-X

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Double-Door Enclosure Disconnects

Allen-Bradley®

1494V Disconnect Mechanism

Allen-Bradley Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height								C		D(1)		E	
					60				72									
					A		B		A		B							
		Amp	Volt		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in	mm
DS30	30A	(non)	(non)	--	7.87	200	6.00	152	13.37	340	11.50	292	4.00	102	6.75	171	.25	6
DS30	30A	30A	250V	H,K,R	7.87	200	6.00	152	13.37	340	11.50	292	5.25	133	6.75	171	.25	6
DS30	30A	30A	600V	H,K,R	7.87	200	6.00	152	13.37	340	11.50	292	8.00	203	6.75	171	.25	6
DS30	30A	30A	600V	J	7.87	200	6.00	152	13.37	340	11.50	292	5.25	133	6.75	171	.25	6
DS30	30A	60A	250V	H,K	7.87	200	6.00	152	13.37	340	11.50	292	6.00	152	6.75	171	.25	6
DS30	30A	60A	600V	H,K	7.87	200	6.00	152	13.37	340	11.50	292	8.50	216	6.75	171	.25	6
DS30	30A	60A	600V	J	7.87	200	6.00	152	13.37	340	11.50	292	5.50	140	6.75	171	.25	6
DS60	60A	(non)	(non)	--	7.87	200	5.87	149	13.37	340	11.37	289	4.00	102	6.75	171	.25	6
DS60	60A	30A	600V	H,K,R	7.87	200	5.87	149	13.37	340	11.37	289	8.00	203	6.75	171	.25	6
DS60	60A	60A	250V	H,K,R	7.87	200	5.87	149	13.37	340	11.37	289	6.00	152	6.75	171	.25	6
DS60	60A	60A	600V	H,K,R	7.87	200	5.87	149	13.37	340	11.37	289	8.50	216	6.75	171	.25	6
DS60	60A	60A	600V	J	7.87	200	5.87	149	13.37	340	11.37	289	5.50	140	6.75	171	.25	6
DS60	60A	100A	250V	H,K	7.87	200	5.87	149	13.37	340	11.37	289	8.50	216	6.75	171	.25	6
DS60	60A	100A	600V	H,K	7.87	200	5.87	149	13.37	340	11.37	289	10.50	267	6.75	171	.25	6
DS60	60A	100A	600V	J	7.87	200	5.87	149	13.37	340	11.37	289	7.25	184	6.75	171	.25	6
DS100	100A	(non)	(non)	--	7.87	200	4.37	111	13.37	340	9.87	251	4.75	121	8.00	203	.25	6
DS100	100A	100A	250V	H,K,R	7.87	200	4.37	111	13.37	340	9.87	251	10.50	267	8.00	203	.25	6
DS100	100A	100A	600V	H,K,R	7.87	200	4.37	111	13.37	340	9.87	251	12.50	318	8.00	203	.25	6
DS100	100A	100A	600V	J	7.87	200	4.37	111	13.37	340	9.87	251	9.25	235	8.00	203	.25	6
DS100	100A	200A	250V	H,K	7.87	200	4.37	111	13.37	340	9.87	251	11.25	286	8.00	203	.25	6
DS100	100A	200A	600V	H,K	7.87	200	4.37	111	13.37	340	9.87	251	13.75	349	8.00	203	.25	6
DS100	100A	200A	600V	J	7.87	200	4.37	111	13.37	340	9.87	251	10.00	254	8.00	203	.25	6
DS200	200A	(non)	(non)	--	*	*	*	*	11.93	303	7.50	191	10.00	254	11.00	279	.25	6
DS200	200A	200A	250V	H,K,R	*	*	*	*	11.93	303	7.50	191	15.00	381	11.00	279	.25	6
DS200	200A	200A	600V	H,K,R	*	*	*	*	11.93	303	7.50	191	17.25	438	11.00	279	.25	6
DS200	200A	200A	600V	J	*	*	*	*	11.93	303	7.50	191	13.50	343	11.00	279	.25	6
DS200	200A	400A	250V	H,K	*	*	*	*	11.93	303	7.50	191	15.75	400	11.00	279	.25	6
DS200	200A	400A	600V	H,K	*	*	*	*	11.93	303	7.50	191	18.75	476	11.00	279	.25	6
DS200	200A	400A	600V	J	*	*	*	*	11.93	303	7.50	191	14.25	362	11.00	279	.25	6

Allen-Bradley Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height								C		D(1)		E	
				60				72									
				A		B		A		B							
		Manufacturer	Frame(s)	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in	mm
M40	150A	General Electric	TED,THED,TEC	7.87	200	7.25	184	13.37	340	12.75	324	5.75	146	4.75	121	.25	6
M40	150A	Westinghouse	F (series C)	7.87	200	7.25	184	13.37	340	12.75	324	5.00	127	4.75	121	.25	6
M50	250A	Westinghouse	J (series C)	7.87	200	6.87	174	13.37	340	12.37	324	9.75	248	5.00	127	.25	6
M60	400A	Westinghouse	K (series C)	*	*	*	*	13.37	340	12.37	324	9.75	248	6.25	159	.25	6

* Do not install disconnects in this height enclosure.

(1) Dimension "D" does not include space for auxiliary switches.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Double-Door Enclosure Disconnects

Allen-Bradley®

1494F Disconnect Mechanism

Allen-Bradley Mechanism Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height								C		D(1)		E	
					60				72									
					A		B		A		B							
		Amp	Volt		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in	mm
N30	30A	(non)	(non)	--	5.87	149	5.37	136	11.37	289	10.87	276	4.75	121	6.50	165	.75	19
NF30	30A	30A	250V	H,K,R	5.87	149	5.37	136	11.37	289	10.87	276	6.50	165	6.50	165	.75	19
NF30	30A	30A	600V	H,K,R	5.87	149	5.37	136	11.37	289	10.87	276	9.25	235	6.50	165	.75	19
NF30	30A	30A	600V	J	5.87	149	5.37	136	11.37	289	10.87	276	6.50	165	6.50	165	.75	19
NF30	30A	60A	250V	H,K,R	5.87	149	5.37	136	11.37	289	10.87	276	7.25	184	6.50	165	.75	19
NF30	30A	60A	600V	H,K,R	5.87	149	5.37	136	11.37	289	10.87	276	9.75	248	6.50	165	.75	19
NF30	30A	60A	600V	J	5.87	149	5.37	136	11.37	289	10.87	276	6.75	171	6.50	165	.75	19
N60	60A	(non)	(non)	--	5.87	149	4.62	117	11.37	289	10.12	257	4.75	121	6.50	165	.75	19
NF60	60A	30A	600V	H,K,R	5.87	149	4.62	117	11.37	289	10.12	257	10.50	267	6.50	165	.75	19
NF60	60A	60A	250V	H,K,R	5.87	149	4.62	117	11.37	289	10.12	257	8.50	216	6.50	165	.75	19
NF60	60A	60A	600V	H,K,R	5.87	149	4.62	117	11.37	289	10.12	257	11.00	279	6.50	165	.75	19
NF60	60A	60A	600V	J	5.87	149	4.62	117	11.37	289	10.12	257	7.75	197	6.50	165	.75	19
NF60	60A	100A	250V	H,K,R	5.87	149	4.62	117	11.37	289	10.12	257	11.00	279	6.50	165	.75	19
NF60	60A	100A	600V	H,K,R	5.87	149	4.62	117	11.37	289	10.12	257	13.00	330	6.50	165	.75	19
NF60	60A	100A	600V	J	5.87	149	4.62	117	11.37	289	10.12	257	9.75	248	6.50	165	.75	19
N100	100A	(non)	(non)	--	*	*	*	*	11.37	289	8.25	210	4.75	121	7.25	184	.75	19
NF100	100A	100A	250V	H,K,R	*	*	*	*	11.37	289	8.25	210	11.50	292	7.50	191	.75	19
NF100	100A	100A	600V	H,K,R	*	*	*	*	11.37	289	8.25	210	13.50	343	7.50	191	.75	19
NF100	100A	100A	600V	J	*	*	*	*	11.37	289	8.25	210	10.25	260	7.50	191	.75	19
NF100	100A	200A	250V	H,K,R	*	*	*	*	11.37	289	8.25	210	12.25	311	7.75	197	.75	19
NF100	100A	200A	600V	H,K,R	*	*	*	*	11.37	289	8.25	210	14.75	375	7.75	197	.75	19
NF100	100A	200A	600V	J	*	*	*	*	11.37	289	8.25	210	11.00	279	7.75	197	.75	19
N200	200A	(non)	(non)	--	*	*	*	*	10.06	256	6.62	210	7.25	184	10.50	267	.75	19
NF200	200A	200A	250V	H,K,R	*	*	*	*	10.06	256	6.62	168	15.00	381	10.50	267	.75	19
NF200	200A	200A	600V	H,K,R	*	*	*	*	10.06	256	6.62	168	17.50	445	10.50	267	.75	19
NF200	200A	200A	600V	J	*	*	*	*	10.06	256	6.62	168	13.75	349	10.50	267	.75	19
NF200	200A	400A	250V	H,K,R	*	*	*	*	10.06	256	6.62	168	16.50	419	11.00	279	.75	19
NF200	200A	400A	600V	H,K,R	*	*	*	*	10.06	256	6.62	168	19.50	495	11.00	279	.75	19
NF200	200A	400A	600V	J	*	*	*	*	10.06	256	6.62	168	15.00	381	11.00	279	.75	19

1494D Disconnect Mechanism

Allen-Bradley Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height								C		D(1)		E	
				60				72									
				A		B		A		B							
		Manufacturer	Frame(s)	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in	mm
N4/N40	150A	General Electric	TED,THED,TEC	5.87	149	5.25	133	11.37	289	10.75	273	5.87	149	4.62	117	.75	19
N5/N55	225A	General Electric	TFK,THFK,TFC	5.87	149	4.50	114	11.37	289	10.00	254	8.87	225	4.75	121	.75	19
N4/N40	150A	Westinghouse	F (series C)	5.87	149	5.25	133	11.37	289	10.75	273	5.87	149	4.62	117	.75	19
N5/N50	250A	Westinghouse	J (series C)	5.87	149	4.50	114	11.37	289	10.00	254	8.87	225	4.75	121	.75	19
N5/N60	400A	Westinghouse	K (series C)	*	*	*	*	11.37	289	10.00	254	8.87	225	5.87	149	.75	19

* Do not install disconnects in this height enclosure.

(1) Dimension "D" does not include space for auxiliary switches.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Double-Door Enclosure Disconnects

Cutler-Hammer

C361 Disconnect Mechanism

Cutler-Hammer Mechanism Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height								C		D		E	
					60				72									
		Amp	Volt		A		B		A		B							
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in	mm
NC	30A	(non)	(non)	--	7.87	200	6.50	165	13.37	340	12.00	305	4.75	121	6.25	1588	.25	6
SC21	30A	30A	250V	H,K,R	7.87	200	6.50	165	13.37	340	12.00	305	7.75	197	6.25	1588	.25	6
SC61	30A	30A	600V	H,K,R	7.87	200	6.50	165	13.37	340	12.00	305	7.75	197	6.25	1588	.25	6
SC61	30A	30A	600V	J	7.87	200	6.50	165	13.37	340	12.00	305	7.75	197	6.25	1588	.25	6
SC61	30A	60A	250V	H,K,R	7.87	200	6.50	165	13.37	340	12.00	305	8.25	210	6.25	1588	.25	6
ND	60A	(non)	(non)	--	7.87	200	6.50	165	13.37	340	12.00	305	4.75	121	6.25	1588	.25	6
SD22	60A	30A	600V	J	7.87	200	6.50	165	13.37	340	12.00	305	7.75	197	6.25	1588	.25	6
SD22	60A	60A	250V	H,K,R	7.87	200	6.50	165	13.37	340	12.00	305	8.25	210	6.25	1588	.25	6
SD62	60A	60A	600V	H,K,R	7.87	200	6.50	165	13.37	340	12.00	305	8.25	210	6.25	1588	.25	6
SD62	60A	60A	600V	J	7.87	200	6.50	165	13.37	340	12.00	305	8.00	203	6.25	1588	.25	6
NE	100A	(non)	(non)	--	7.87	200	6.12	155	13.37	340	11.62	295	4.25	108	7.50	191	.25	6
SE263	100A	100A	250V	H,K,R	7.87	200	6.12	155	13.37	340	11.62	295	9.00	229	7.50	191	.25	6
SE263	100A	100A	600V	H,K,R	7.87	200	6.12	155	13.37	340	11.62	295	9.00	229	7.50	191	.25	6
SE263	100A	100A	600V	J	7.87	200	6.12	155	13.37	340	11.62	295	7.75	197	7.50	191	.25	6
NF (1)	200A	(non)	(non)	--	7.87	200	4.12	155	13.37	340	9.62	295	13.25	337	10.25	260	.25	6
SF264 (1)	200A	200A	250V	H,K,R	7.87	200	4.12	155	13.37	340	9.62	295	13.25	337	10.25	260	.25	6
SF264 (1)	200A	200A	600V	H,K,R	7.87	200	4.12	155	13.37	340	9.62	295	13.25	337	10.25	260	.25	6
SF264 (1)	200A	200A	600V	J	7.87	200	4.12	155	13.37	340	9.62	295	13.25	337	10.25	260	.25	6

C371 Disconnect Mechanism

Cutler-Hammer Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height								C		D		E	
				60				72									
		Manufacturer	Frame(s)	A		B		A		B							
				in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in	mm
C371E	150A	Cutler-Hammer	HMCP,FS,FH	7.87	200	7.62	194	13.37	340	13.12	333	6.00	152	5.75	146	.25	6
C371F (1)	225A	Cutler-Hammer	HMCP,JS,JH,JL	7.87	200	7.50	191	13.37	340	13.00	330	11.00	279	8.25	210	.25	6
C371F (1)	400A	Cutler-Hammer	HMCP,KS,KH	7.87	200	7.00	178	13.37	340	12.50	318	9.75	248	8.25	210	.25	6
C371G (1)	600A	Cutler-Hammer	LS,LH	*	*	*	*	13.37	340	10.87	276	8.50	216	12.00	305	.25	6
C371E	150A	Westinghouse	F (series C)	7.87	200	7.62	194	13.37	340	13.12	333	6.00	152	5.75	146	.25	6
C371F (1)	250A	Westinghouse	J (series C)	7.87	200	7.50	191	13.37	340	13.00	330	9.00	229	8.25	210	.25	6
C371F (1)	400A	Westinghouse	K (series C)	7.87	200	7.00	178	13.37	340	12.50	318	9.75	248	8.25	210	.25	6
C371G (1)	600A	Westinghouse	LA,LC	*	*	*	*	13.37	340	10.87	276	8.50	216	12.00	305	.25	6

* Do not install disconnects in this height enclosure.

(1) Wire bending space “B” does not allow the maximum size cable in 60H enclosures.

(2) Wire bending space “B” does not allow the maximum size cable in 72H enclosures.

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Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Double-Door Enclosure Disconnects

General Electric®

TDA Disconnect Mechanism

General Electric Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height								C		D		E	
					60				72									
					A		B		A		B							
		Amp	Volt		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in	mm
TDOM1A	30A	(non)	(non)	--	7.87	200	8.37	213	13.37	340	13.87	340	7.00	178	5.50	140	.25	6
TDOM1A	30A	30A	250V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	7.00	178	5.50	140	.25	6
TDOM1B	30A	30A	600V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	30A	60A	250V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	30A	60A	600V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1A	60A	(non)	(non)	--	7.87	200	8.37	213	13.37	340	13.87	340	7.00	178	5.50	140	.25	6
TDOM1B	60A	60A	250V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	60A	60A	600V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	60A	100A	250V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	60A	100A	600V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1A	100A	(non)	(non)	--	7.87	200	8.37	213	13.37	340	13.87	340	7.00	178	5.50	140	.25	6
TDOM1B	100A	100A	250V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	100A	100A	600V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	100A	200A	250V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	100A	200A	600V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM2	200A	(non)	(non)	--	7.87	200	5.75	146	13.37	340	11.25	286	7.00	178	9.25	235	.25	6
TDOM2	200A	200A	250V	H,R	7.87	200	5.75	146	13.37	340	11.25	286	15.50	394	9.25	235	.25	6
TDOM2	200A	200A	600V	H,R	7.87	200	5.75	146	13.37	340	11.25	286	15.50	394	9.25	235	.25	6

General Electric Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height								C		D		E	
			60				72									
			A		B		A		B							
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in	mm
TDOM1A	150A	TEB,TEC,TED,THED	7.87	200	7.25	184	13.37	340	12.75	324	7.00	178	5.50	140	.25	6
TDOM1B	150A	TB1,TEC,TECL	7.87	200	7.25	184	13.37	340	12.75	324	11.50	292	5.50	140	.25	6
TDOM1C	150A	TEL	7.87	200	7.25	184	13.37	340	12.75	324	7.00	178	5.50	140	.25	6
TDOM1D	150A	THCL1	7.87	200	5.87	149	13.37	340	11.37	289	7.00	178	5.50	140	.25	6
TDOM3	225A	TFJ,TFK,THFK,TFL	7.87	200	6.87	174	13.37	340	12.37	314	10.50	267	6.00	152	.25	6
TDOM4	400A	TJJ,TJK4,THJK4,TJL4V	*	*	*	*	13.37	340	11.50	292	8.25	210	9.50	241	.25	6
TDOM4	600A	TJK6,THJK6,TJ4V,TJL4V	*	*	*	*	13.37	340	11.50	292	8.25	210	9.50	241	.25	6
TDOM5	400A	TB4,TJH6S	*	*	*	*	13.37	340	11.50	292	14.25	362	9.50	241	.25	6
TDOM6	225A	TLB2,THLC2	*	*	*	*	13.37	340	10.87	276	11.75	298	9.50	241	.25	6
TDOM6	400A	TLB4,THLC4	*	*	*	*	13.37	340	9.50	241	11.75	298	9.50	241	.25	6

* Do not install disconnects in this height enclosure.

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Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Double-Door Enclosure Disconnects

I-T-E Siemens®

MAX-FLEX Disconnects

Enclosure	Cable	I-T-E Mechanism Circuit Breakers	Circuit Breaker Frame	Amp	Device Height		Enclosure Height A				C(1)						D(2)			
							60		72		nom		min		max		min		max	
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
12	36	FHOE036	ED	125A	6.37	162	7.87	200	13.37	340	5.37	136	-5.37	-136	15.43	392	3.00	76	14.00	356
	36	FHOE036	CED	125A	9.62	244	7.87	200	13.37	340	8.50	216	-2.00	-51	18.75	476	3.00	76	14.00	356
	36	FHOF036	FD	250A	9.50	241	7.87	200	13.37	340	5.62	143	-5.00	-127	15.75	400	4.50	114	12.50	318
	36	FHOF036	CFD	250A	14.12	349	7.87	200	13.37	340	10.25	260	-.25	-6	20.50	521	4.50	114	12.50	318
	36	FHOJ036	JD,LD	400A, 600A	11.00	279	7.87	200	13.37	340	5.25	133	-5.43	-138	15.37	390	7.50	191	14.00	356
	36	FHOJ036	CJD	400A, 600A	17.87	454	7.87	200	13.37	340	12.12	308	1.50	38	22.25	565	7.50	191	14.00	356
18	36	FHOE036	ED	125A	6.37	162	7.87	200	13.37	340	5.37	136	-2.75	-70	13.50	343	3.00	76	9.75	248
	36	FHOE036	CED	125A	9.62	244	7.87	200	13.37	340	8.50	216	.62	16	16.87	428	3.00	76	9.75	248
	36	FHOF036	FD	250A	9.50	241	7.87	200	13.37	340	5.62	143	2.43	62	13.87	352	4.50	114	8.50	216
	36	FHOF036	CFD	250A	14.12	359	7.87	200	13.37	340	10.25	260	7.25	39	18.62	473	4.50	114	8.50	216
	36	FHOJ036	JD,LD	400A, 600A	11.00	279	7.87	200	13.37	340	5.25	133	-2.87	-73	13.43	341	7.50	191	10.12	257
	36	FHOJ036	CJD	400A, 600A	17.87	454	7.87	200	13.37	340	12.12	308	4.12	105	20.37	517	7.50	191	10.12	257
12	48	*	ED	125A	6.37	162	7.87	200	13.37	340	5.37	136	-16.37	-416	27.50	699	3.00	76	26.37	670
	48	*	CED	125A	9.62	244	7.87	200	13.37	340	8.50	216	-13.00	-330	30.87	784	3.00	76	26.37	670
	48	*	FD	250A	9.50	241	7.87	200	13.37	340	5.62	143	-16.00	-406	27.87	708	4.50	114	24.87	632
	48	*	CFD	250A	14.12	359	7.87	200	13.37	340	10.25	260	-11.25	-286	32.62	829	4.50	114	24.87	632
	48	*	JD,LD	400A, 600A	11.00	279	7.87	200	13.37	340	5.25	133	-16.43	-417	27.43	697	7.50	191	26.37	670
	48	*	CJD	400A, 600A	17.87	454	7.87	200	13.37	340	12.12	308	-9.50	-241	34.37	873	7.50	191	26.37	670
	48	FHON048	MD,ND	800A, 1200A	16.00	406	7.87	200	13.37	340	8.12	206	-6.62	-168	21.93	557	9.00	229	20.50	521
18	48	*	ED	125A	6.37	162	7.87	200	13.37	340	5.37	136	-15.37	-390	26.25	667	3.00	76	24.43	621
	48	*	CED	125A	9.62	244	7.87	200	13.37	340	8.50	216	-12.00	-305	29.50	749	3.00	76	24.43	621
	48	*	FD	250A	9.50	241	7.87	200	13.37	340	5.62	143	-15.00	-381	26.50	673	4.50	114	23.00	584
	48	*	CFD	250A	14.12	359	7.87	200	13.37	340	10.25	260	-10.25	-260	30.37	771	4.50	114	23.00	584
	48	*	JD,LD	400A, 600A	11.00	279	7.87	200	13.37	340	5.25	133	-15.43	-392	26.12	663	7.50	191	24.50	622
	48	*	CJD	400A, 600A	17.87	454	7.87	200	13.37	340	12.12	308	-8.50	-216	33.00	838	7.50	191	24.50	622
	48	FHON048	MD,ND	800A 1200A	16.00	406	7.87	200	13.37	340	8.12	206	-5.12	-130	21.43	544	9.00	229	20.50	521
	48	*	ED	125A	6.37	162	7.87	200	13.37	340	5.37	136	-13.37	-340	23.25	591	3.00	76	20.62	524
24	48	*	CED	125A	9.62	244	7.87	200	13.37	340	8.50	216	-10.00	-254	26.50	673	3.00	76	20.62	524
	48	*	FD	250A	9.50	241	7.87	200	13.37	340	5.62	143	-13.00	-330	23.50	597	4.50	114	19.37	492
	48	*	CFD	250A	14.12	359	7.87	200	13.37	340	10.25	260	-8.25	-210	28.37	721	4.50	114	19.37	492
	48	*	JD,LD	400A, 600A	11.00	279	7.87	200	13.37	340	5.25	133	-13.43	-341	23.12	587	7.50	191	20.93	532
	48	*	CJD	400A, 600A	17.87	454	7.87	200	13.37	340	12.12	308	-6.50	-165	30.00	762	7.50	191	20.93	532
	48	FHON048	MD,ND	800A, 1200A	16.00	406	7.87	200	13.37	340	8.12	206	-3.12	-79	19.93	506	9.00	229	20.50	521

I-T-E SIEMENS® MAX-FLEX Disconnect Mechanism

Disconnect Mechanism	Cable Length	Circuit Breaker Types
FHOE036	36	ED2, ED4, ED6, HED4, HED6, ED6ETI
FHOE036	36	CED6, CED6ETI
FHOF036	36	FD6, FXD6, HFD6, FXD6ETI
FHOF036	36	CFD6, CFD6ETI
FHOJ036	36	JD2, JD6, JXD6, HJD6, JXD6ETI, LD6,LXD6, HLD6, LXD6ETI, SHJD6, SLD6,SHLD6
FHOJ036	36	CJD6, CJD6ETI, CLD6, CLD6ETI,SCJD6,SCLD6
FHON048	48	MD6, HMD6, CMD6, MXD6ETI, CMD6ETI, SMD6, SHMD6, SCMD6, ND6, HND6, CND6, SND6, SCND6

* Non-standard mechanism with 48 inch operating cable must be specified.

(1) Flexible operating cable allows disconnect to be mounted within min and max of "C" dimension when "D" is minimum.

(2) Flexible operating cable allows disconnect to be mounted within min and max of "D" dimension when "C" is nominal.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions. Flexible cable allows for variable disconnect mounting and adequate wire bending space must be maintained. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Double-Door Enclosure Disconnects

Square D®

9422 Disconnect Mechanism

Square D Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height								C		D		E	
					60				72									
		Amp	Volt		A		B		A		B							
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in	mm
RC-1	30A	(non)	(non)	--	7.87	200	7.75	197	13.37	340	13.18	335	3.25	83	7.25	184	.25	6
RC-2	30A	30A	250V	H,K,R	7.87	200	7.75	197	13.37	340	13.18	335	5.00	127	7.25	184	.25	6
RC-3	30A	30A	600V	H,K,R	7.87	200	7.75	197	13.37	340	13.18	335	8.00	203	7.25	184	.25	6
RC-3	30A	30A	600V	J	7.87	200	7.75	197	13.37	340	13.18	335	5.00	127	7.25	184	.25	6
RC-3	30A	60A	250V	H,K,R	7.87	200	7.75	197	13.37	340	13.18	335	6.00	152	7.25	184	.25	6
TC-1	30A	(non)	(non)	--	7.87	200	5.87	149	13.37	340	11.37	289	5.75	146	6.25	159	.25	6
TC-2	30A	30A	250V	H,K,R	7.87	200	5.87	149	13.37	340	11.37	289	5.75	146	6.25	159	.25	6
TC-3	30A	30A	600V	H,K,R	7.87	200	5.87	149	13.37	340	11.37	289	7.75	197	6.25	159	.25	6
TC-3	30A	30A	600V	J	7.87	200	5.87	149	13.37	340	11.37	289	5.75	146	6.25	159	.25	6
TC-3	30A	60A	250V	H,K,R	7.87	200	5.87	149	13.37	340	11.37	289	6.00	152	6.25	159	.25	6
TD-1	60A	(non)	(non)	--	7.87	200	6.75	171	13.37	340	12.25	311	6.50	165	6.75	171	.25	6
TD-2	60A	30A	600V	H,K,R	7.87	200	6.75	171	13.37	340	12.25	311	8.50	216	6.75	171	.25	6
TD-2	60A	60A	250V	H,K,R	7.87	200	6.75	171	13.37	340	12.25	311	6.50	165	6.75	171	.25	6
TD-3	60A	60A	600V	H,K,R	7.87	200	6.75	171	13.37	340	12.25	311	9.00	229	6.75	171	.25	6
TD-3	60A	60A	600V	J	7.87	200	6.75	171	13.37	340	12.25	311	6.50	165	6.75	171	.25	6
TE-1	100A	(non)	(non)	--	7.87	200	6.50	165	13.37	340	12.00	305	4.75	121	8.50	216	.25	6
TE-2	100A	100A	250V	H,K,R	7.87	200	6.50	165	13.37	340	12.00	305	7.50	191	8.50	216	.25	6
TE-2	100A	100A	600V	H,K,R	7.87	200	6.50	165	13.37	340	12.00	305	9.50	241	8.50	216	.25	6
TE-2	100A	100A	600V	J	7.87	200	6.50	165	13.37	340	12.00	305	6.25	159	8.50	216	.25	6
TE-3	100A	200A	600V	J	7.87	200	6.50	165	13.37	340	12.00	305	13.75	349	8.50	216	.25	6
TF-1	200A	(non)	(non)	--	7.87	200	5.12	130	13.37	340	10.62	270	5.50	140	11.75	298	.25	6
TF-2	200A	200A	250V	H,K,R	7.87	200	5.12	130	13.37	340	10.62	270	11.50	292	11.75	298	.25	6
TF-2	200A	200A	600V	H,K,R	7.87	200	5.12	130	13.37	340	10.62	270	14.00	356	11.75	298	.25	6
TF-2	200A	200A	600V	J	7.87	200	5.12	130	13.37	340	10.62	270	10.25	260	11.75	298	.25	6
TF-3	200A	400A	600V	J	7.87	200	5.15	131	13.37	340	10.62	270	14.50	368	11.75	298	.25	6

Square D Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height								C		D		E	
			60				72									
			A		B		A		B							
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in	mm
RN-1	100A	FAL,FHL,FCL	7.87	200	6.87	174	13.37	340	12.37	314	5.25	133	5.50	140	.25	6
RP-1	250A	KAL,KHL,KCL	7.87	200	6.62	168	13.37	340	13.12	333	7.25	184	5.75	146	.25	6
RR-1	400A	LAL,LHL,Q4L	*	*	*	*	13.37	340	8.75	222	7.75	197	9.00	229	.25	6
RR-2	400A	ILL	*	*	*	*	13.37	340	13.12	333	11.00	279	15.75	400	.25	6

* Do not install disconnects in this height enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to disconnect tables for associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Double-Door Enclosure Disconnects

Westinghouse®

AMT Disconnect Mechanism

Westinghouse Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height								C		D Pivot Width				E	
					72				84						variable		fixed			
		Amp	Volt		A		B		A		B									
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
DS16U	30A	(non)	(non)	--	9.12	232	9.25	235	14.62	371	14.75	375	5.25	133	9.00	229	7.00	178	.37	9
DS121R	30A	30A	250V	H,R	9.12	232	9.25	235	14.62	371	14.75	375	10.25	260	9.00	229	7.00	178	.37	9
DS161U	30A	30A	600V	H,J,R	9.12	232	9.25	235	14.62	371	14.75	375	12.25	311	9.00	229	7.00	178	.37	9
DS122	30A	60A	250V	H,R	9.12	232	9.25	235	14.62	371	14.75	375	10.25	260	9.00	229	7.00	178	.37	9
DS162	30A	60A	600V	H,J,R	9.12	232	9.25	235	14.62	371	14.75	375	12.25	311	9.00	229	7.00	178	.37	9
DS26U	60A	(non)	(non)	--	9.12	232	9.25	235	14.62	371	14.75	375	5.25	133	9.00	229	7.00	178	.37	9
DS222R	60A	60A	250V	H,R	9.12	232	9.25	235	14.62	371	14.75	375	10.25	260	9.00	229	7.00	178	.37	9
DS262R	60A	60A	600V	H,J,R	9.12	232	9.25	235	14.62	371	14.75	375	12.25	311	9.00	229	7.00	178	.37	9
DS263	60A	100A	250V	H,R	9.12	232	9.25	235	14.62	371	14.75	375	10.25	260	9.00	229	7.00	178	.37	9
DS263	60A	100A	600V	H,J,R	9.12	232	9.25	235	14.62	371	14.75	375	12.25	311	9.00	229	7.00	178	.37	9
DS36U	100A	(non)	(non)	--	9.12	232	9.25	235	14.62	371	14.75	375	5.25	133	9.00	229	7.00	178	.37	9
DS363R	100A	100A	250V	H,R	9.12	232	9.25	235	14.62	371	14.75	375	10.25	260	9.00	229	7.00	178	.37	9
DS363R	100A	100A	600V	H,J,R	9.12	232	9.25	235	14.62	371	14.75	375	12.25	311	9.00	229	7.00	178	.37	9
DS364 (1)	100A	200A	250V	H,R	9.12	232	9.25	235	14.62	371	14.75	375	5.25	133	9.00	229	7.00	178	.37	9
DS364 (1)	100A	200A	600V	H,J,R	9.12	232	9.25	235	14.62	371	14.75	375	5.25	133	9.00	229	7.00	178	.37	9
DS46U	200A	(non)	(non)	--	9.12	232	7.00	178	14.62	371	12.50	318	6.00	152	12.00	305	10.00	254	.37	9
DS464R	200A	200A	250V	H,R	9.12	232	7.00	178	14.62	371	12.50	318	14.00	356	12.00	305	10.00	254	.37	9
DS464R	200A	200A	600V	H,R	9.12	232	7.00	178	14.62	371	12.50	318	15.25	387	12.00	305	10.00	254	.37	9
DS464R	200A	200A	600V	J	9.12	232	7.00	178	14.62	371	12.50	318	14.00	356	12.00	305	10.00	254	.37	9
DS465 (1)	200A	400A	250V	H,J,R	9.12	232	7.00	178	14.62	371	12.50	318	6.00	152	12.00	305	10.00	254	.37	9
DS465 (1)	200A	400A	600V	H,J,R	9.12	232	7.00	178	14.62	371	12.50	318	6.00	152	12.00	305	10.00	254	.37	9

Westinghouse Circuit Breaker Frame Type	Amp	Circuit Breaker Type	Enclosure Height								C		D Pivot Width				E	
			60				72						variable		fixed			
			A		B		A		B									
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
EB	100A	EB	9.12	232	8.37	213	14.62	371	13.87	352	5.50	140	9.25	235	7.25	184	.37	9
FB TRI-PAC	100A	FB TRI- PAC	9.12	232	8.37	213	14.62	371	13.87	352	8.25	210	9.25	235	7.25	184	.37	9
MCP	150A	MCP (O-4) Current Limiting	9.12	232	8.37	213	14.62	371	13.87	352	8.25	210	9.25	235	7.25	184	.37	9
F FRAME	150A	F (series C)	9.12	232	8.37	213	14.62	371	13.87	352	5.50	140	9.25	235	7.25	184	.37	9
J FRAME	250A	J (series C)	.*	*	.*	*	14.62	371	11.00	279	6.75	171	9.25	235	--	--	.37	9
K FRAME	400A	K (series C)	.*	*	.*	*	14.62	371	10.50	267	8.25	210	9.25	235	--	--	.37	9
LA TRI-PAC	400A	LA TRI-PAC	.*	*	.*	*	14.62	371	12.62	321	14.25	362	12.00	305	--	--	.37	9
LA, LC	600A	LA,LAB,HLA,LC,HLC	.*	*	.*	*	14.62	371	12.62	321	9.00	229	12.00	305	--	--	.37	9

* Do not install disconnects in this height enclosure.

(1) Dimensions “C” and “D” on these disconnects do not include space for fuse blocks which are mounted separately.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Double-Door Enclosure Disconnects

Westinghouse

SM Disconnect Mechanism

Westinghouse Mechanism for Switches	Amp	Switch Type	Fuse Class	Enclosure Height 60 A in.	A mm	B in.	B mm	72 A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	E in	E mm
SM100R	30A	De-ion Switch	--	7.31	186	7.25	184	12.81	325	12.75	324	6.62	168	4.75	119	.50	13
SM100R	60A	De-ion Switch	--	7.31	186	7.25	184	12.81	325	12.75	324	6.62	168	4.75	119	.50	13
SM100R	100A	De-ion Switch	--	7.31	186	5.75	184	12.81	325	11.25	286	6.62	168	5.25	133	.50	13
SM100SFR	30A	DS121R	H,R	7.31	186	7.50	184	12.81	325	13.00	330	7.00	178	5.50	140	.50	13
SM100SFR	30A	DS122	H,R	7.31	186	7.50	184	12.81	325	13.00	330	7.87	200	5.50	140	.50	13
SM100SFR	60A	DS222R	H,R	7.31	186	7.50	184	12.81	325	13.00	330	7.87	200	5.50	140	.50	13
SM100SFR	30A	DS161R	J	7.31	186	7.50	184	12.81	325	13.00	330	7.25	184	5.50	140	.50	13
SM100SFR	60A	DS262H	J	7.31	186	7.50	184	12.81	325	13.00	330	7.25	184	5.50	140	.50	13
SM100SFR	30A	DS162	H,R	7.31	186	7.50	184	12.81	325	13.00	330	10.37	263	5.50	140	.50	13
SM100SFR	60A	DS262R	H,R	7.31	186	7.50	184	12.81	325	13.00	330	10.37	263	5.50	140	.50	13
SM100SFR	100A	DS363R(250V)	H,R	7.31	186	7.50	184	12.81	325	13.00	330	10.25	260	5.50	140	.50	13
SM100SFR	100A	DS363R(600V)	H,R	7.31	186	7.50	184	12.81	325	13.00	330	12.12	308	5.50	140	.50	13
SM100SFR	60A	DS263(600V)	H,R	7.31	186	7.50	184	12.81	325	13.00	330	12.12	308	5.50	140	.50	13
SM100SFR	100A	DS363R	J	7.31	186	7.50	184	12.81	325	13.00	330	8.87	225	5.50	140	.50	13
SM150R	30A	DS16U Switch	--	7.31	186	7.50	184	12.81	325	13.00	330	5.12	130	5.50	140	.50	13
SM150R	60A	DS26U Switch	--	7.31	186	7.50	184	12.81	325	13.00	330	5.12	130	5.50	140	.50	13
SM150R (1)	100A	DS36U Switch	--	7.31	186	7.50	184	12.81	325	13.00	330	5.12	130	5.50	140	.50	13
SM150R (1)	100A	DS364	H,R	7.31	186	7.50	184	12.81	325	13.00	330	5.12	130	5.50	140	.50	13
SM200SR (1)	200A	DS46U Switch	--	6.87	174	5.00	127	12.37	314	10.50	267	7.37	187	6.75	171	.50	13
SM200SR (1)	200A	DS465	H,R	6.87	174	5.00	127	12.37	314	10.50	267	7.37	187	6.75	171	.50	13
SM200SFR	200A	DS464R	H,R	6.87	174	5.00	127	12.37	314	10.50	267	15.25	387	6.75	171	.50	13

Westinghouse Circuit Breaker Frame Type	Amp	Circuit Breaker Type	Enclosure Height 60 A in.	A mm	B in.	B mm	72 A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	E in	E mm
SM150R	100A	EB	7.31	186	6.50	165	12.81	325	12.00	305	5.12	130	5.50	140	.50	13
SM101PR	100A	FB TRI-PAC	7.31	186	6.50	165	12.81	325	12.00	305	8.00	203	5.50	140	.50	13
SM101PR	150A	MCP (0-4) Current Limiting	7.31	186	6.50	165	12.81	325	12.00	305	8.00	203	5.50	140	.50	13
SM150R	150A	F (series C)	7.31	186	6.50	165	12.81	325	12.00	305	8.00	203	5.50	140	.50	13
SM250JR	250A	J (series C)	*	*	*	*	12.37	314	9.50	241	8.50	216	7.50	191	.50	13
SM400KR	400A	K (series C)	*	*	*	*	12.37	314	9.12	232	9.12	232	7.50	191	.50	13
SM400PR	400A	LA TRI-PAC	*	*	*	*	12.37	314	9.25	235	14.50	368	9.75	527	.50	13
SM400R	600A	LA, LAB,HLA	*	*	*	*	12.37	314	9.25	235	9.25	235	9.75	527	.50	13
SM400R	600A	LC,HLC	*	*	*	*	12.37	314	9.25	235	9.25	235	9.75	527	.50	13

* Do not install disconnects in this height enclosure.

(1) Dimensions “C” and “D” on these disconnects do not include space for fuse blocks which are mounted separately.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to disconnect tables for associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Double-Door Enclosure Disconnects

Disconnect Ordering Information

ALLEN-BRADLEY

Standard enclosure designed to accept variable depth type 1494V.

Allen-Bradley 1494V disconnect switch:

1. Disconnect switch.
2. Operating mechanism.
3. Operating handle.
4. Fuse block kit, (if required).
5. Fuse clip kit, (if required).
6. Line and load connectors, (if necessary).
7. Connecting rod.

Allen-Bradley 1494V circuit breaker:

1. Circuit breaker, (General Electric, Westinghouse).
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).
5. Connecting rod.

NOTE: Allen-Bradley support kit is recommended when 1494V devices are installed in 72 inch high center mounted enclosures.

Standard enclosures designed to accept fixed depth type 1494F or 1494D.

Allen-Bradley 1494F disconnect switch:

1. Disconnect switch.
2. Operating mechanism.
3. Operating handle.
4. Fuse block kit, (if required).
5. Fuse clip kit, (if required).
6. Line and load connectors, (if necessary).

Allen-Bradley 1494D circuit breaker:

1. Circuit breaker, (General Electric, Westinghouse).
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).
5. Slide mechanism.

CUTLER-HAMMER

Standard enclosures designed to accept variable depth type C361 or C371.

Cutler-Hammer C361 disconnect switch:

1. Disconnect switch.
2. Operating mechanism.
3 Operating handle.
4. Fuse clip kit, (if required).
5. Line and load connectors, (if necessary).

NOTE: Items 1, 2 and 3 can be ordered as an assembly.

Cutler-Hammer C371 circuit breaker:

1. Circuit breaker, (Cutler-Hammer, Westinghouse).
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).

NOTE: Items 2 and 3 can be ordered as an assembly.

GENERAL ELECTRIC

Standard enclosures designed to accept variable depth type TDA.

General Electric TDA disconnect switch:

1. Disconnect Switch, (QMR, QMW).
2. Operating mechanism.
3. Operating handle TDA1.
4. Fuse clip kit or no-fuse kit, (if required).
5. Line and load connectors, (if necessary).
6. Extended length drive rod, (if required).

NOTE: These items can be ordered as an assembly.

General Electric TDA circuit breaker:

1. Circuit breaker.
2. Operating mechanism.
3. Operating handle TDA1.
4. Line and load connectors, (if necessary).
5. Extended length drive rod, (if required).

NOTE: When TDOM1 and TDOM3 operating mechanism is used on 72 inch high center mounted enclosures a flange stiffener kit TDSR is recommended.

I-T-E SIEMENS

Standard enclosures designed to accept MAX-FLEX type FHO.

I-T-E MAX-FLEX circuit breaker:

1. Circuit breaker.
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).
5. Operating cable.

NOTE: Items 2, 3 and 5 can be ordered as an assembly, standard with a 36 inch long operating cable. All 24 inch enclosures require a 48 inch long cable.

Notes: Data subject to change without notice.

Type 12 Floor-Standing Double-Door Enclosure Disconnects

Disconnect Ordering Information

SQUARE D

Standard enclosures designed to accept variable depth type 9422.

Square D 9422 disconnect switch:

1. Disconnect switch.
2. Operating mechanism.
3. Operating handle.
4. Fuse Clip kit, (if required).
5. Line and load connectors, (if necessary).
6. Connecting rod.

NOTE: Square D support kit 9422-C1 is recommended when some devices are installed in 72 inch high center mounted enclosures.

Square D 9422 circuit breaker:

1. Circuit breaker.
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).
5. Connecting rod.

NOTE: Square D support kit 9422-C1 is recommended when some devices are installed in 72 inch high enclosures.

WESTINGHOUSE

Standard enclosures designed to accept below handle type AMT.

Westinghouse AMT disconnect switch:

1. Disconnect switch.
2. Pivot mechanism assembly for below handle mounting.
3. Backplate and yoke assembly for below handle mounting.
4. Operating handle.
5. Fuse block kit, (if required).
6. Fuse clip kit, (if required).
7. Line and connectors, (if necessary).
8. Connecting rod.

Westinghouse AMT circuit breaker:

1. Circuit breaker.
2. Pivot mechanism assembly for below handle mounting.
3. Backplate and yoke assembly for below handle mounting.
4. Operating handle.
5. Line and load connectors, (if necessary).

Important No

When ordering flange or center mounted disconnect equipment, be sure to include all necessary components listed below.

1. Enclosure includes the following equipment:
   Enclosure door locking handle and rods
   Door interlocking system
   Interlocking connecting rod
   Adjustable bracket, (see note 3)
2. Operator adapter plate, gasket and hardware for the type of disconnect device being used MUST be ordered separately (see page 381)
3. 24 inch deep enclosures include an adjustable bracket for mounting some disconnects:
   Cutler-Hammer C361 device
   Cutler-Hammer C371 E and F devices unless long connecting rod C371CS1 is specified
   Cutler-Hammer C371 G device unless long connecting rod C371CS2 is specified
   General Electric TDA device extended length rod TDSR is specified
   Square D 9422 device unless extra long connecting rod 9422-R2 is specified
   Note: Some devices require two rods, consult the device manufacturer (Westinghouse AMT below handle device).
4. Panels are ordered separately.
5. Disconnects and related components are available from the manufacturer.
6. The disconnect ordering information provided is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Disconnect Enclosures

Data Sheet

Application

- Houses electrical controls and equipment
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Construction

- Enclosure and door are fabricated from (10) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge and a 3-pt padlockable handle mechanism
- Right-side door serves as the master door with a defeater mechanism which requires a screwdriver to open
- Slave doors cannot open without activating mechanical interlock but can close in any order
- Universal opening on right-side flange will accommodate most disconnect operators when used with operator adapter, (order separately)
- Doors have a fixed, oil-resistant gasket
- Ground stud provided on door
- Print pocket provided
- Lighting mounting channel provided
- Fixed center posts are supported from the front to back for enclosure rigidity
- Removable center post allows for easy access and panel installation
- Removable panels mounted on .375-16 collar studs and panel supports
- Large lifting eyebolts are supplied

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder outside with a white polyester powder finish inside
- Panels have white enamel finish

Accessories

- Channel mounting hardware
- Blank adapter plates
- Operator adapters
- Touch-up paint
- See Accessories Section
- *See page 364 for new handle design (00011184 A).*

Important Note

When ordering flange-mounted disconnect enclosures, be sure to include all the necessary components.

1. A flange-mounted disconnect enclosure
2. Operator adapter plates MUST be ordered for the specific brand and type of disconnect being used, (see page 381)

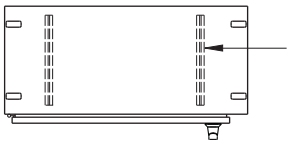
Disconnect switch (or circuit breaker), operating handle and operating mechanism are not furnished with enclosure, see disconnect ordering information, pages 305 - 314.

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

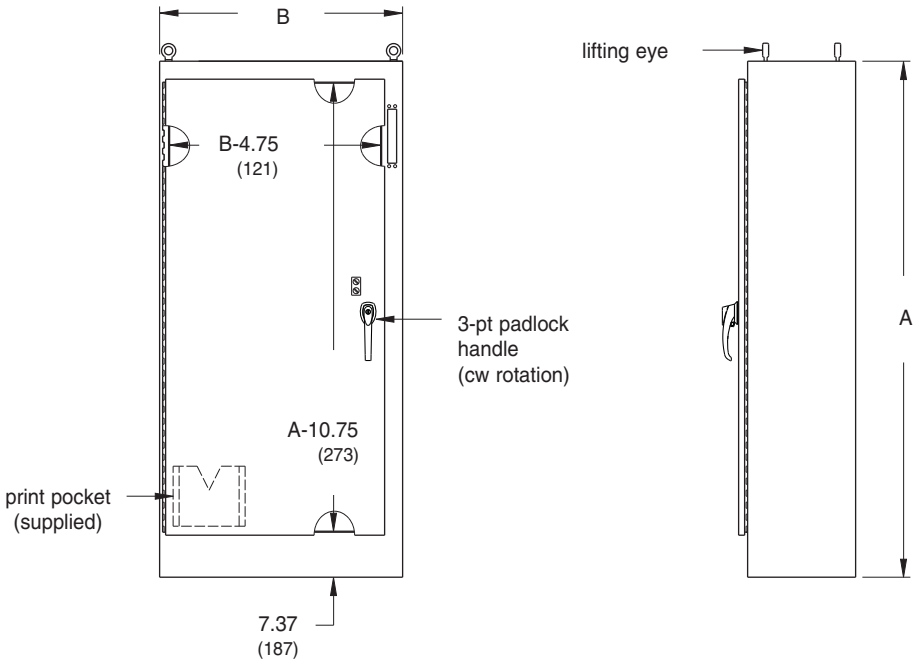
Type 12 Heavy-Duty Free-Standing Single-Door Flange-Mount Disconnect Enclosures

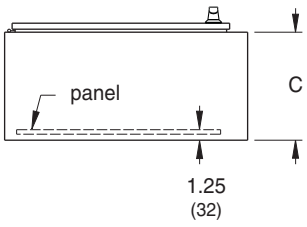
Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Panel Size Height x Width in.	mm
FD722718-12FS	72.00x27.50x18.00	1829x699x457	60.00x21.75	1524x552
FD723318-12FS	72.00x33.50x18.00	1829x851x457	60.00x27.75	1524x705
FD723918-12FS	72.00x39.50x18.00	1829x1003x457	60.00x33.75	1524x857
FD843918-12FS	84.00x39.50x18.00	2134x1003x457	72.00x33.75	1829x857
FD903920-12FS	90.00x39.50x20.00	2286x1003x508	78.00x33.75	1981x857
FD903924-12FS	90.00x39.50x24.00	2286x1003x610	78.00x33.75	1981x857



lighting bracket channel & hardware



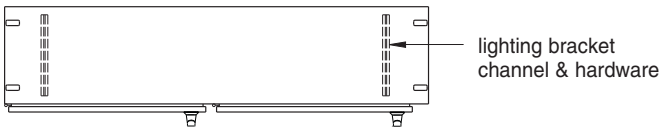


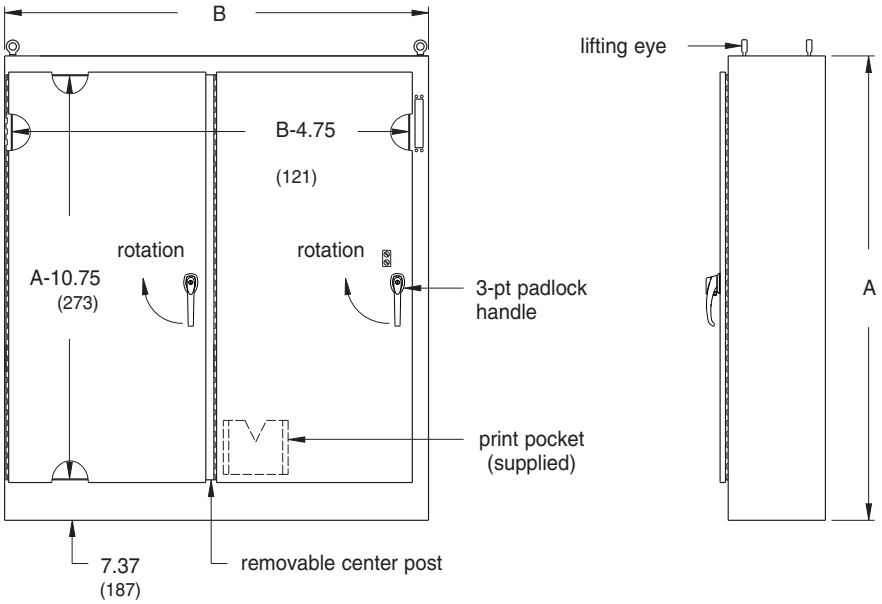
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

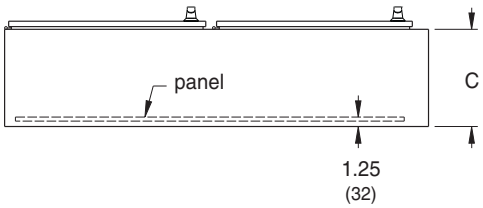
Type 12 Heavy-Duty Free-Standing Two-Door Flange-Mount Disconnect Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Panel Size Height x Width in.	mm
FD725318-12FS	72.00x53.75x18.00	1829x1365x457	60.00x48.00	1524x1219
FD726518-12FS	72.00x65.75x18.00	1829x1670x457	60.00x60.00	1524x1524
FD727718-12FS	72.00x77.75x18.00	1829x1975x457	60.00x72.00	1524x1829
FD727724-12FS	72.00x77.75x24.00	1829x1975x610	60.00x72.00	1524x1829
FD847718-12FS	84.00x77.75x18.00	2134x1975x457	72.00x72.00	1829x1829
FD907720-12FS	90.00x77.75x20.00	2286x1975x508	78.00x72.00	1981x1829
FD907724-12FS	90.00x77.75x24.00	2286x1975x610	78.00x72.00	1981x1829





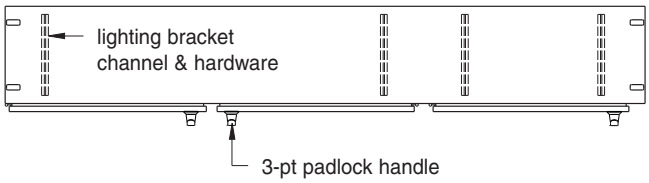


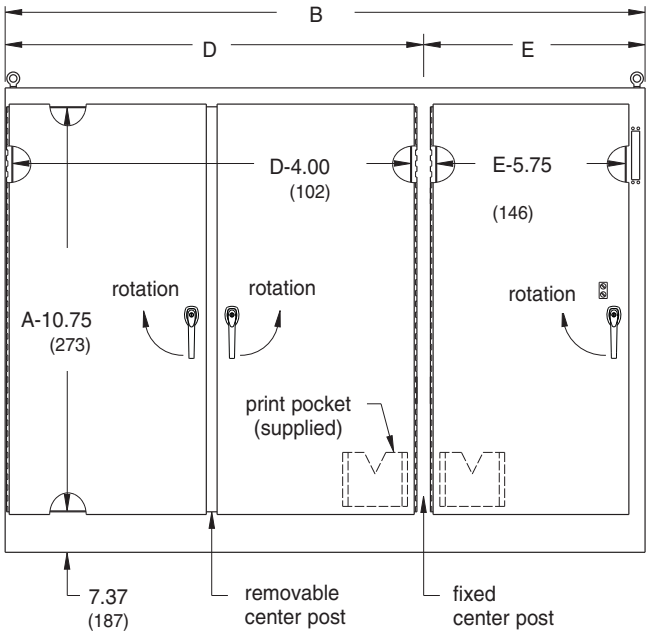
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

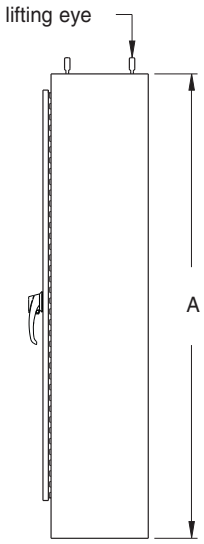
Type 12 Heavy-Duty Free-Standing Three-Door Flange-Mount Disconnect Enclosures

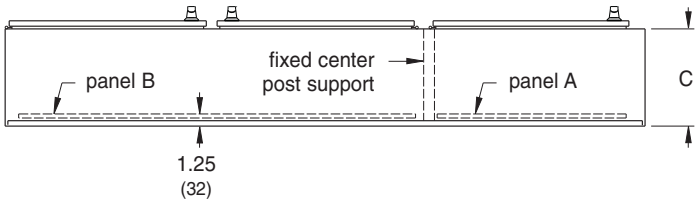
Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	D in.	D mm	E in.	E mm	Panel A Size Height x Width in.	Panel A Size mm	Panel B Size Height x Width in.	Panel B Size mm
FD729918-12FS	72.00x99.50x18.00	1829x2527x457	65.00	1651	34.50	876	60.00x27.75	1524x705	60.00x60.00	1524x1524
FD8411718-12FS	84.00x117.50x18.00	2134x2985x457	77.00	1956	40.50	1029	72.00x33.75	1829x857	72.00x72.00	1829x1829
FD9011724-12FS	90.00x117.50x24.00	2286x2985x610	77.00	1956	40.50	1029	78.00x33.75	1981x857	78.00x72.00	1981x1829







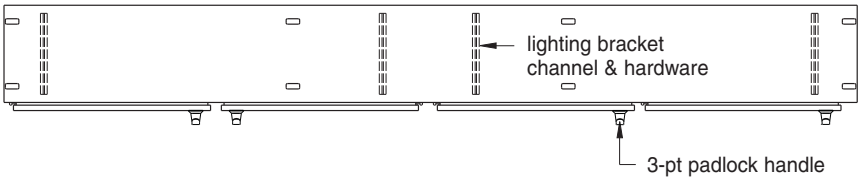


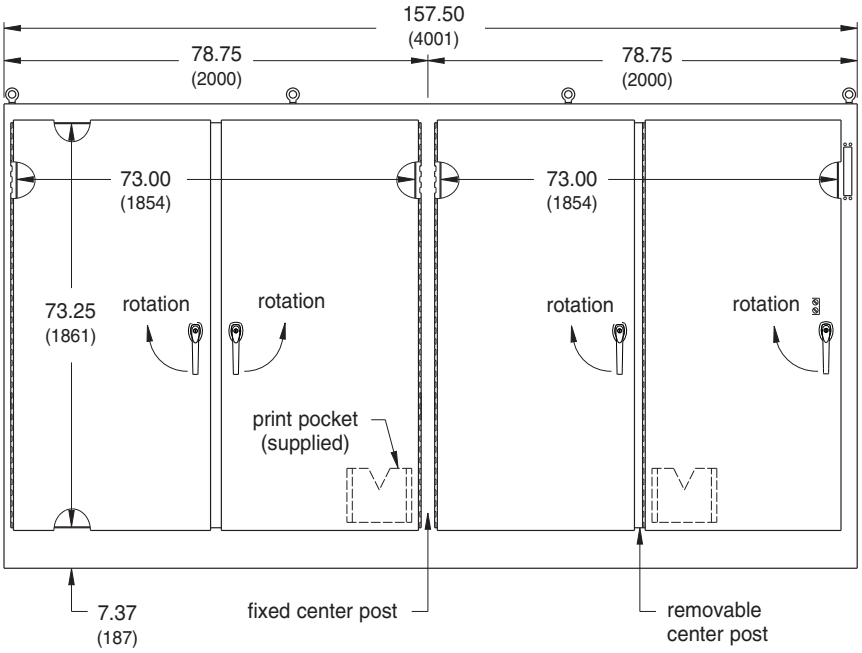
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

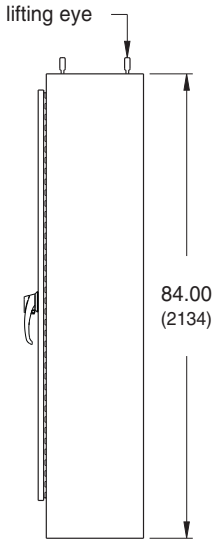
Type 12 Heavy-Duty Free-Standing Four-Door Flange-Mount Disconnect Enclosures

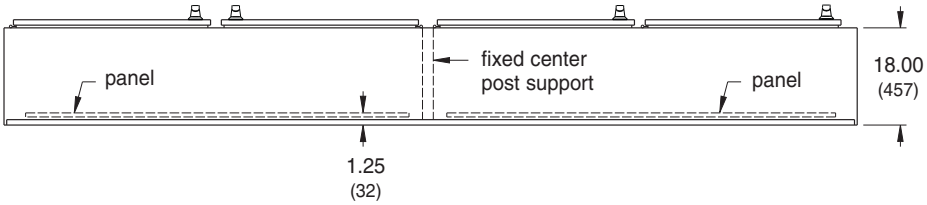
Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth in.	mm	Panel Size Height x Width in.	mm
FD8415718-12FS	84.00x157.50x18.00	2134x4001x457	72.00x72.00	1829x1829







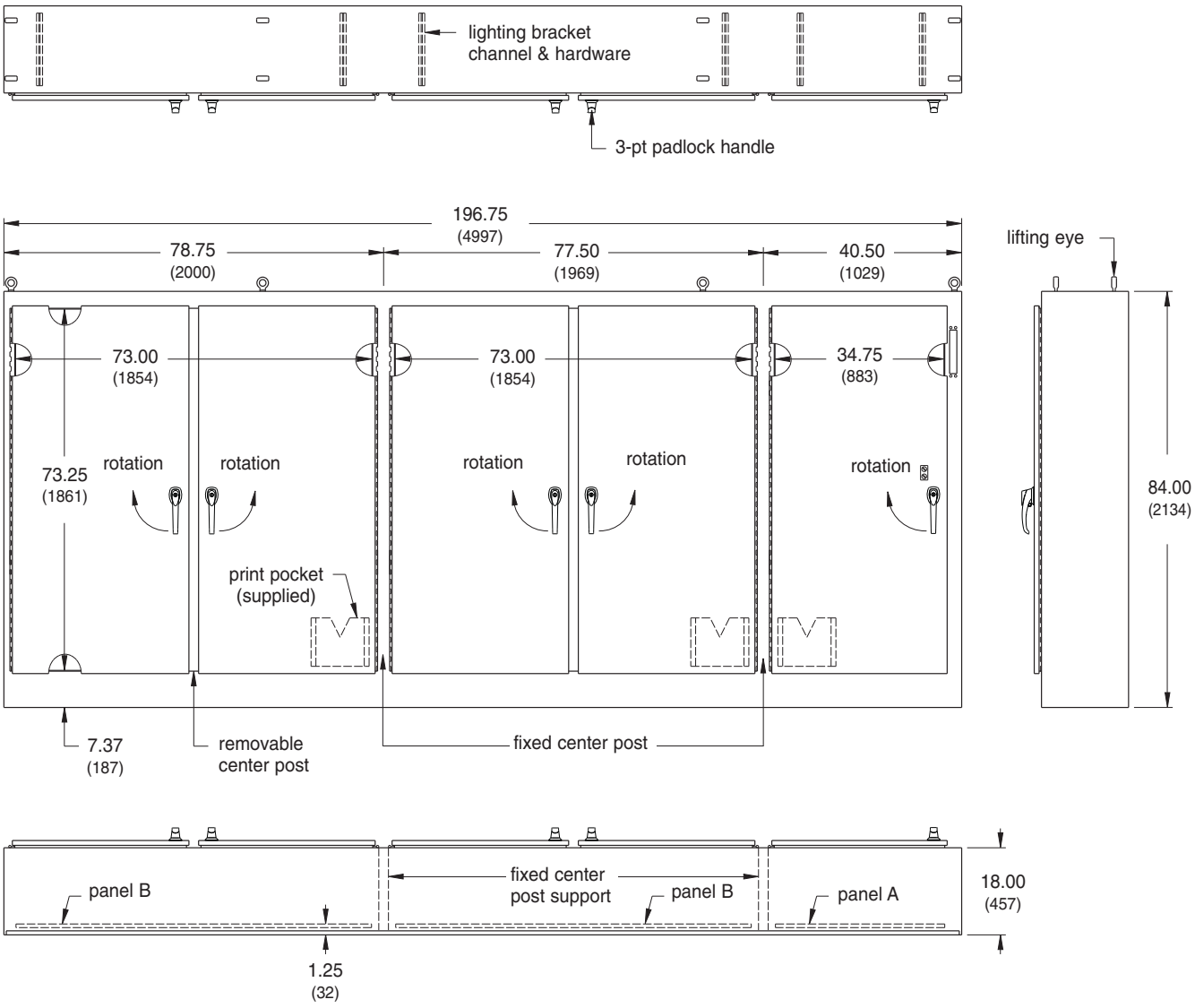


Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Five-Door Flange-Mount Disconnect Enclosures

Catalog Number

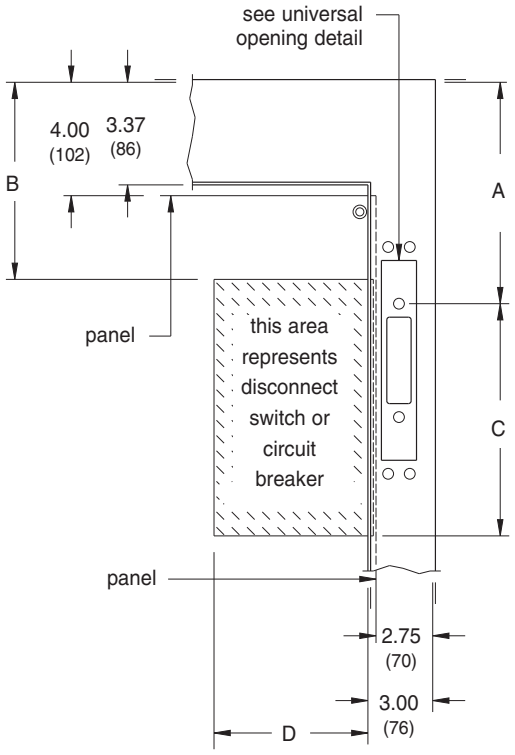
Enclosure Catalog Number	Enclosure Size Height x Width x Depth in.	Enclosure Size Height x Width x Depth mm	Panel Size Height x Width in.	Panel Size Height x Width mm	Panel Size Height x Width in.	Panel Size Height x Width mm
FD8419618-12FS	84.00x196.75x18.00	2134x4997x457	72.00x33.75	1829x857	72.00x72.00	1829x1829



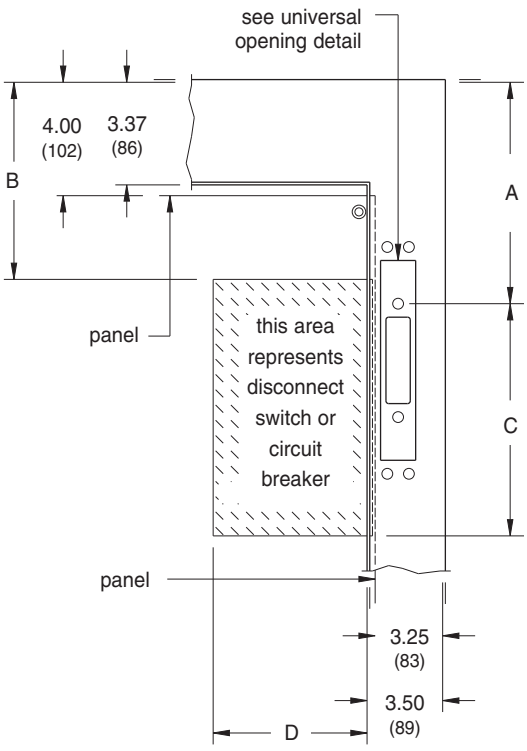
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Disconnect Enclosures

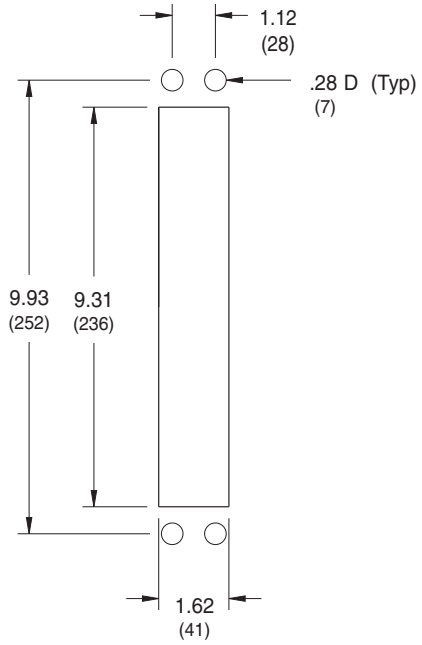
Detail Sheet



Flange Mounting
(1 and 2 door enclosures)



Flange Mounting
(3, 4 and 5 door enclosures)



Universal Opening Detail

The dimensional information provided in these drawings is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Universal opening must be filled with an operator adapter kit for the specific brand and type of disconnect being used, (see page 381).

Important Note

When ordering flange-mounted disconnect enclosures, be sure to include all the necessary components.

1. A flange-mounted disconnect enclosure
2. Operator adapter plates MUST be ordered for the specific brand and type of disconnect being used, (see page 381)

Disconnect switch (or circuit breaker), operating handle and operating mechanism are not furnished with enclosure, see disconnect ordering information, pages 305 - 314.

Notes: Refer to detail sheet for drawing information and associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Enclosure Disconnects

Allen-Bradley®

1494V Disconnect Mechanism

Allen-Bradley Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height												C		D(1)	
					72				84				90							
		Amp	Volt		A		B		A		B		A		B					
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
DS30	30A	(non)	(non)	--	11.87	301	10.00	254	17.37	441	15.50	394	20.37	517	18.50	470	4.00	102	6.75	171
DS30	30A	30A	250V	H,K,R	11.87	301	10.00	254	17.37	441	15.50	394	20.37	517	18.50	470	5.25	133	6.75	171
DS30	30A	30A	600V	H,K,R	11.87	301	10.00	254	17.37	441	15.50	394	20.37	517	18.50	470	8.00	203	6.75	171
DS30	30A	30A	600V	J	11.87	301	10.00	254	17.37	441	15.50	394	20.37	517	18.50	470	5.25	133	6.75	171
DS30	30A	60A	250V	H,K	11.87	301	10.00	254	17.37	441	15.50	394	20.37	517	18.50	470	6.00	152	6.75	171
DS30	30A	60A	600V	H,K	11.87	301	10.00	254	17.37	441	15.50	394	20.37	517	18.50	470	8.50	216	6.75	171
DS30	30A	60A	600V	J	11.87	301	10.00	254	17.37	441	15.50	394	20.37	517	18.50	470	5.50	140	6.75	171
DS60	60A	(non)	(non)	--	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	4.00	102	6.75	171
DS60	60A	30A	600V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	8.00	203	6.75	171
DS60	60A	60A	250V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	6.00	152	6.75	171
DS60	60A	60A	600V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	8.50	216	6.75	171
DS60	60A	60A	600V	J	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	5.50	140	6.75	171
DS60	60A	100A	250V	H,K	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	8.50	216	6.75	171
DS60	60A	100A	600V	H,K	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	10.50	267	6.75	171
DS60	60A	100A	600V	J	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	7.25	184	6.75	171
DS100	100A	(non)	(non)	--	11.87	301	8.37	213	17.37	441	13.87	390	20.37	517	16.87	428	4.75	121	8.00	203
DS100	100A	100A	250V	H,K,R	11.87	301	8.37	213	17.37	441	13.87	390	20.37	517	16.87	428	10.50	267	8.00	203
DS100	100A	100A	600V	H,K,R	11.87	301	8.37	213	17.37	441	13.87	390	20.37	517	16.87	428	12.50	318	8.00	203
DS100	100A	100A	600V	J	11.87	301	8.37	213	17.37	441	13.87	390	20.37	517	16.37	416	9.25	235	8.00	203
DS100	100A	200A	250V	H,K	11.87	301	8.37	213	17.37	441	13.87	390	20.37	517	16.87	428	11.25	286	8.00	203
DS100	100A	200A	600V	H,K	11.87	301	8.37	213	17.37	441	13.87	390	20.37	517	16.87	428	13.75	349	8.00	203
DS100	100A	200A	600V	J	11.87	301	8.37	213	17.37	441	13.87	390	20.37	517	16.87	428	10.00	254	8.00	203
DS200	200A	(non)	(non)	--	10.43	265	6.00	152	15.93	405	11.50	292	18.93	481	14.50	368	10.00	254	11.00	279
DS200	200A	200A	250V	H,K,R	10.43	265	6.00	152	15.93	405	11.50	292	18.93	481	14.50	368	15.00	381	11.00	279
DS200	200A	200A	600V	H,K,R	10.43	265	6.00	152	15.93	405	11.50	292	18.93	481	14.50	368	17.25	438	11.00	279
DS200	200A	200A	600V	J	10.43	265	6.00	152	15.93	405	11.50	292	18.93	481	14.50	368	13.50	343	11.00	279
DS200	200A	400A	250V	H,K	10.43	265	6.00	152	15.93	405	11.50	292	18.93	481	14.50	368	15.75	400	11.00	279
DS200	200A	400A	600V	H,K	10.43	265	6.00	152	15.93	405	11.50	292	18.93	481	14.50	368	18.75	476	11.00	279
DS200	200A	400A	600V	J	10.43	265	6.00	152	15.93	405	11.50	292	18.93	481	14.50	368	14.25	362	11.00	279
DS400	400A	(non)	(non)	--	*	*	*	*	15.93	405	9.62	244	18.93	481	12.62	321	10.75	273	11.00	279
DS400	400A	400A	250V	H,K,R	*	*	*	*	15.93	405	9.62	244	18.93	481	12.62	321	16.25	413	11.00	279
DS400	400A	400A	600V	H,K,R	*	*	*	*	15.93	405	9.62	244	18.93	481	12.62	321	19.25	489	11.00	279
DS400	400A	400A	600V	J	*	*	*	*	15.93	405	9.62	244	18.93	481	12.62	321	14.75	375	11.00	279

Allen-Bradley Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height												C		D(1)	
				72				84				90							
		Manufacturer	Frame(s)	A		B		A		B		A		B					
				in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
M40	150A	General Electric	TED,THED,TEC	11.87	301	11.25	286	17.37	441	16.75	425	20.37	517	19.75	502	5.75	146	4.75	121
M40	150A	Westinghouse	F (series C)	11.87	301	11.25	286	17.37	441	16.75	425	20.37	517	19.75	502	5.00	127	4.75	121
M50	250A	Westinghouse	J (series C)	11.87	301	10.87	276	17.37	441	16.37	416	20.37	517	19.37	492	9.75	248	5.00	127
M60	400A	Westinghouse	K (series C)	11.87	301	10.62	270	17.37	441	16.12	409	20.37	517	19.12	486	9.75	248	6.25	159

* Do not install disconnects in this height enclosure

(1) Dimension "D" does not include space for auxiliary switches.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to disconnect tables for associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Enclosure Disconnects

Allen-Bradley

1494F Disconnect Mechanism

Allen-Bradley Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height												C		D(1)	
					72				84				90							
		Amp	Volt		A		B		A		B		A		B					
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
N30	30A	(non)	(non)	--	9.87	251	9.37	238	15.37	390	14.87	378	18.37	467	17.87	454	4.75	121	6.50	165
NF30	30A	30A	250V	H,K,R	9.87	251	9.37	238	15.37	390	14.87	378	18.37	467	17.87	454	6.50	165	6.50	165
NF30	30A	30A	600V	H,K,R	9.87	251	9.37	238	15.37	390	14.87	378	17.37	441	17.87	454	9.25	235	6.50	165
NF30	30A	30A	600V	J	9.87	251	9.37	238	15.37	390	14.87	378	18.37	467	17.87	454	6.50	165	6.50	165
NF30	30A	60A	250V	H,K,R	9.87	251	9.37	238	15.37	390	14.87	378	18.37	467	17.87	454	7.25	184	6.50	165
NF30	30A	60A	600V	H,K,R	9.87	251	9.37	238	15.37	390	14.87	378	18.37	467	17.87	454	9.75	248	6.50	165
NF30	30A	60A	600V	J	9.87	251	9.37	238	15.37	390	14.87	378	18.37	467	17.87	454	6.75	171	6.50	165
N60	60A	(non)	(non)	--	9.87	251	8.62	219	15.37	390	14.12	359	18.37	467	17.12	435	4.75	121	6.50	165
NF60	60A	30A	600V	H,K,R	9.87	251	8.62	219	15.37	390	14.12	359	18.37	467	17.12	435	10.50	267	6.50	165
NF60	60A	60A	250V	H,K,R	9.87	251	8.82	219	15.37	390	14.12	359	18.37	467	17.12	435	8.50	216	6.50	165
NF60	60A	60A	600V	H,K,R	9.87	251	8.62	219	15.37	390	14.12	359	18.37	467	17.12	435	11.00	279	6.50	165
NF60	60A	60A	600V	J	9.87	251	8.62	219	15.37	390	14.12	359	18.37	467	17.12	435	57.75	1467	6.50	165
NF60	60A	100A	250V	H,K,R	9.87	251	8.62	219	15.37	390	14.12	359	18.37	467	17.12	435	11.00	279	6.50	165
NF60	60A	100A	600V	H,K,R	9.87	251	8.62	219	15.37	390	14.12	359	18.37	467	17.12	435	13.00	330	6.50	165
NF60	60A	100A	600V	J	9.87	251	8.62	219	15.37	390	14.12	359	18.37	467	17.12	435	9.75	248	6.50	165
N100	100A	(non)	(non)	--	9.87	251	6.75	171	15.37	390	12.25	311	18.37	467	15.25	387	4.75	121	7.25	184
NF100	100A	100A	250V	H,K,R	9.87	251	6.75	171	15.37	390	12.25	311	18.37	467	15.25	387	11.50	292	7.50	191
NF100	100A	100A	600V	H,K,R	9.87	251	6.75	171	15.37	390	12.25	311	18.37	467	15.25	387	13.50	343	7.50	191
NF100	100A	100A	600V	J	9.87	251	6.75	171	15.37	390	12.25	311	18.37	467	15.25	387	10.25	260	7.50	191
NF100	100A	200A	250V	H,K,R	9.87	251	6.75	171	15.37	390	12.25	311	18.37	467	15.25	387	12.25	311	7.75	197
NF100	100A	200A	600V	H,K,R	9.87	251	6.75	171	15.37	390	12.25	311	18.37	467	15.25	387	14.75	375	7.75	197
NF100	100A	200A	600V	J	9.87	251	6.75	171	15.37	390	12.25	311	18.37	467	15.25	387	11.00	279	7.75	197
N200	200A	(non)	(non)	--	8.56	217	5.12	130	14.06	357	10.62	270	17.06	433	13.62	346	7.25	184	10.50	267
NF200	200A	200A	250V	H,K,R	8.56	217	5.12	130	14.06	357	10.62	270	17.06	433	13.62	346	15.00	381	10.50	267
NF200	200A	200A	600V	H,K,R	8.56	217	5.12	130	14.06	357	10.62	270	17.06	433	13.62	346	17.50	445	10.50	267
NF200	200A	200A	600V	J	8.56	217	5.12	130	14.06	357	10.62	270	17.06	433	13.62	346	13.75	349	10.50	267
NF200	200A	400A	250V	H,K,R	8.56	217	5.12	130	14.06	357	10.62	270	17.06	433	13.62	346	16.50	419	11.00	279
NF200	200A	400A	600V	H,K,R	8.56	217	5.12	130	14.06	357	10.62	270	17.06	433	13.62	346	19.50	495	11.00	279
NF200	200A	400A	600V	J	8.56	217	5.12	130	14.06	357	10.62	270	17.06	433	13.62	346	15.00	381	11.00	279

1494D Disconnect Mechanism

Allen-Bradley Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height												C		D(1)	
				60				72				90							
		Manufacturer	Frame(s)	A		B		A		B		A		B					
				in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
N4/N40	150A	General Electric	TED,THED,TEC	9.87	251	9.25	235	15.37	390	14.75	375	18.37	467	17.75	451	5.87	149	4.62	117
N5/N55	225A	General Electric	TFK,THFK,TFC	9.87	251	8.50	216	15.37	390	14.00	356	18.37	467	17.00	432	8.87	225	4.75	121
N4/N40	150A	Westinghouse	F (series C)	9.87	251	9.25	235	15.37	390	14.75	375	18.37	467	17.75	451	5.87	149	4.62	117
N5/N50	250A	Westinghouse	J (series C)	9.87	251	8.50	216	15.37	390	14.00	356	18.37	467	17.00	432	8.87	225	4.75	121
N5/N60	400A	Westinghouse	K (series C)	9.87	251	8.50	216	15.37	390	14.00	356	18.37	467	17.00	432	8.87	225	5.87	149

* Do not install disconnects in this height enclosure

(1) Dimension "D" does not include space for auxiliary switches.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Enclosure Disconnects

Cutler-Hammer®

C361 Disconnect Mechanism

Cutler-Hammer Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height												C		D(1)	
					72				84				90							
		Amp	Volt		A		B		A		B		A		B					
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
NC	30A	(non)	(non)	--	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	4.75	121	6.25	159
SC21	30A	30A	250V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	7.75	197	6.25	159
SC61	30A	30A	600V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	7.75	197	6.25	159
SC61	30A	60A	250V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	8.25	210	6.25	159
ND	60A	(non)	(non)	--	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	4.75	121	6.25	159
SD22	60A	30A	600V	J	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	7.75	197	6.25	159
SD22	60A	60A	250V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	8.25	210	6.25	159
SD62	60A	60A	600V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	8.25	210	6.25	159
SD62	60A	60A	600V	J	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	8.00	203	6.25	159
NE	100A	(non)	(non)	--	11.87	301	10.12	257	17.37	441	15.62	397	20.37	517	18.62	473	4.25	108	7.50	191
SE263	100A	100A	250V	H,K,R	11.87	301	10.12	257	17.37	441	15.62	397	20.37	517	18.62	473	9.00	229	7.50	191
SE263	100A	100A	600V	H,K,R	11.87	301	10.12	257	17.37	441	15.62	397	20.37	517	18.62	473	9.00	229	7.50	191
SE263	100A	100A	600V	J	11.87	301	10.12	257	17.37	441	15.62	397	20.37	517	18.62	473	7.75	197	7.50	191
NF	200A	(non)	(non)	--	11.87	301	8.12	257	17.37	441	13.62	397	20.37	517	16.62	422	13.25	337	10.25	260
SF264	200A	200A	250V	H,K,R	11.87	301	8.12	257	17.37	441	13.62	397	20.37	517	16.62	422	13.25	337	10.25	260
SF264	200A	200A	600V	H,K,R	11.87	301	8.12	257	17.37	441	13.62	397	20.37	517	16.62	422	13.25	337	10.25	260

C371 Disconnect Mechanism

Cutler-Hammer Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height												C		D(1)	
				72				84				90							
		Manufacturer	Frame(s)	A		B		A		B		A		B					
				in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
C371E	150A	Cutler-Hammer	HMCP,FS,FH	11.87	301	11.62	295	17.37	441	17.12	435	20.37	517	20.12	511	6.00	152	5.75	146
C371F (1)	225A	Cutler-Hammer	HMCP,JS,JH,JL	11.87	301	11.50	292	17.37	441	17.00	432	20.37	517	20.00	508	11.00	279	8.25	210
C371F (1)	400A	Cutler-Hammer	HMCP,KS,KH	11.87	301	11.00	279	17.37	441	16.50	419	20.37	517	19.50	495	9.75	248	8.25	210
C371G (2)	600A	Cutler-Hammer	LS,LH	11.87	301	9.37	238	17.37	441	14.87	378	20.37	517	17.87	454	8.50	216	12.00	305
C371K (3)	800A	Cutler-Hammer	MS,MH	*	*	*	*	17.37	441	11.37	289	20.37	517	14.37	365	10.25	260	12.00	305
C371K (3)	1200A	Cutler-Hammer	NS,NH	*	*	*	*	17.37	441	11.37	289	20.37	517	14.37	365	10.25	260	12.00	305
C371E	150A	Westinghouse	F (series C)	11.87	301	11.62	295	17.37	441	17.12	435	20.37	517	20.12	511	6.00	152	5.75	146
C371F (1)	250A	Westinghouse	J (series C)	11.87	301	11.50	292	17.37	441	17.00	432	20.37	517	20.00	508	9.00	229	8.25	210
C371F (1)	400A	Westinghouse	K (series C)	11.87	301	11.00	279	17.37	441	16.50	419	20.37	517	19.50	495	9.75	248	8.25	210
C371G (2)	600A	Westinghouse	LA,LC	11.87	301	9.37	238	17.37	441	14.87	378	20.37	517	17.87	454	8.50	216	12.00	305
C371K (3)	800A	Westinghouse	MC	*	*	*	*	17.37	441	11.37	289	20.37	517	14.37	365	10.25	260	12.00	305
C371K (3)(4)(5)	12000A	Westinghouse	NC	*	*	*	*	17.37	441	11.37	289	20.37	517	14.37	365	10.25	260	12.00	305

* Do not install disconnects in this height enclosure

(1) Wire bending space "B" does not allow the use of cable larger than 300 MCM in 72H enclosures.
(2) Wire bending space "B" does not allow the use of cable larger than 250 MCM in 72H enclosures.
(3) Wire bending space "B" does not allow the use of cable larger than 300 MCM in 84H enclosures.
(4) Wire bending space "B" does not allow the use of 4 cables per terminal larger than 350 MCM in 90H enclosures.
(5) Wire bending space "B" does not allow the use of Westinghouse terminals TA1201NB1 in 84H or 90H enclosures

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to disconnect tables for associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Enclosure Disconnects

General Electric

TDA Disconnects

General Electric Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height												C		D	
					72				84				90							
		Amp	Volt		A		B		A		B		A		B					
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
NC	30A	(non)	(non)	--	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	4.75	121	6.25	159
TDOM1A	30A	(non)	(non)	--	11.87	301	12.37	314	17.37	441	17.87	45	20.37	517	20.87	530	7.00	178	5.50	140
TDOM1A	30A	30A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	7.00	178	5.50	140
TDOM1B	30A	30A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	30A	60A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	30A	60A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1A	60A	(non)	(non)	--	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	7.00	178	5.50	140
TDOM1B	60A	60A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	60A	60A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	60A	100A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	60A	100A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1A	100A	(non)	(non)	--	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	7.00	178	5.50	140
TDOM1B	100A	100A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	100A	100A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	100A	200A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	100A	200A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM2	200A	(non)	(non)	--	11.87	301	9.75	248	17.37	441	15.25	387	20.37	517	18.25	464	7.00	178	9.25	235
TDOM2	200A	200A	250V	H,R	11.87	301	9.75	248	17.37	441	15.25	387	20.37	517	18.25	464	15.50	394	9.25	235
TDOM2	200A	200A	600V	H,R	11.87	301	9.75	248	17.37	441	15.25	387	20.37	517	18.25	464	15.50	394	9.25	235

General Electric Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height												C		D	
			72				84				90							
			A		B		A		B		A		B					
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
TDOM1A	150A	TEB,TEC,TED,THED	11.87	301	11.25	286	17.37	441	16.75	425	20.37	517	19.75	502	7.00	178	5.50	140
TDOM1B	150A	TB1,TEC,TECL	11.87	301	11.25	286	17.37	441	16.75	425	20.37	517	19.75	502	11.50	292	5.50	140
TDOM1C	150A	TEL	11.87	301	11.25	286	17.37	441	16.75	425	20.37	517	19.75	502	7.00	178	5.50	140
TDOM1D	150A	THCL1	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	7.00	178	5.50	140
TDOM3	225A	TFJ,TFK,THFK,TFL	11.87	301	10.87	276	17.37	441	16.37	416	20.35	517	19.37	492	10.50	267	6.00	152
TDOM4	400A	TJJ,TJK4,THJK4,TJL4V	11.87	301	10.00	254	17.37	441	15.50	394	20.35	517	18.50	470	8.25	210	9.50	241
TDOM4	600A	TJK6,THJK6,TJ4V,TJL4V	11.87	301	10.00	254	17.37	441	15.50	394	20.35	517	18.50	470	8.25	210	9.50	241
TDOM5	400A	TB4,TJH6S	11.87	301	10.00	254	17.37	441	15.50	394	20.35	517	18.50	470	14.25	362	9.50	241
TDOM6	225A	TLB2,THLC2	*	*	*	*	17.37	441	14.87	378	20.37	517	17.87	454	11.75	298	9.50	241
TDOM6	400A	TLB4,THLC4	*	*	*	*	17.37	441	13.50	343	20.37	517	16.50	419	11.75	298	9.50	241
TDOM6	800A	TKMA,THKMA,TK4V	*	*	*	*	*	*	*	*	20.37	517	17.87	454	11.75	298	9.50	241
TDOM6	1200A	TK4V,THK4V	*	*	*	*	*	*	*	*	20.37	517	17.87	454	11.75	298	9.50	241
TDOM7	600A	TB6	*	*	*	*	17.37	*	11.75	298	20.37	517	14.75	375	18.25	464	9.50	241
TDOM7	800A	TB8	*	*	*	*	17.37	*	11.75	298	20.37	517	14.75	375	18.25	464	9.50	241
TDOM7	1200A	TKL12S	*	*	*	*	*	*	*	*	20.37	517	14.75	375	18.25	464	9.50	241

* Do not install disconnects in this height enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Enclosure Disconnects

I-T-E Siemens®

MAX-FLEX Disconnect Mechanism

Encl. Depth	I-T-E Mechanism for Circuit Breakers	Cable Length	Amp	Circuit Breaker Frame	Device Height		Enclosure Height A						C(1)						D(2)			
							72		84		90		nom		min		max		min		max	
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
18	FHOE036	36	125A	ED	6.37	162	11.87	301	17.37	441	20.37	517	5.37	136	-2.75	-70	13.50	343	3.00	76	9.75	248
	FHOE036	36	125A	CED	9.62	244	11.87	301	17.37	441	20.37	517	8.50	216	.06	2	16.87	428	3.00	76	9.75	248
	FHOF036	36	250A	FD	9.50	241	11.87	301	17.37	441	20.37	517	5.62	143	2.43	62	13.87	352	4.50	114	8.50	216
	FHOF036	36	250A	CFD	14.12	359	11.87	301	17.37	441	20.37	517	10.25	260	7.25	184	18.62	473	4.50	114	8.50	216
	FHOJ036	36	400A, 600A	JD, LD	11.00	279	11.87	301	17.37	441	20.37	517	5.25	133	-2.87	-73	13.43	341	7.50	191	10.12	257
	FHOJ036	36	400A, 600A	CJD	17.87	454	11.87	301	17.37	441	20.37	517	12.12	308	4.12	105	20.37	517	7.50	191	10.12	257
20	FHOE036	36	125A	ED	6.37	162	11.87	301	17.37	441	20.37	517	5.37	136	1.37	35	10.75	273	3.00	76	6.37	162
	FHOE036	36	125A	CED	9.62	244	11.87	301	17.37	441	20.37	517	8.50	216	4.62	117	14.00	356	3.00	76	6.37	162
	FHOF036	36	250A	FD	9.50	241	11.87	301	17.37	441	20.37	517	5.62	143	1.62	41	11.00	356	4.50	114	5.50	140
	FHOF036	36	250A	CFD	14.12	359	11.87	301	17.37	441	20.37	517	10.25	260	6.43	163	15.87	403	4.50	114	5.50	140
	FHOJ036	36	400A, 600A	JD, LD	11.00	279	11.87	301	17.37	441	20.37	517	5.25	133	0.00	0	10.62	270	7.50	191	7.25	184
	FHOJ036	36	400A, 600A	CJD	17.87	454	11.87	301	17.37	441	20.37	517	12.12	308	6.93	176	17.50	445	7.50	191	7.25	184
18	*	48	125A	ED	6.37	162	11.87	301	17.37	441	20.37	517	5.37	136	-15.37	-390	26.25	667	3.00	76	24.43	621
	*	48	125A	CED	9.62	244	11.87	301	17.37	441	20.37	517	8.50	216	-12.00	-305	29.50	749	3.00	76	24.43	621
	*	48	250A	FD	9.50	241	11.87	301	17.37	441	20.37	517	5.62	143	-15.00	-381	26.50	673	4.50	114	23.00	584
	*	48	250A	CFD	14.12	359	11.87	301	17.37	441	20.37	517	10.25	260	-10.25	-260	30.37	771	4.50	114	23.00	584
	*	48	400A, 600A	JD, LD	11.00	279	11.87	301	17.37	441	20.37	517	5.25	133	-15.43	-393	26.12	663	7.50	191	24.50	622
	*	48	400A, 600A	CJD	17.87	454	11.87	301	17.37	441	20.37	517	12.12	308	-8.50	-216	33.00	838	7.50	191	24.50	622
	FHON048	48	800A, 1200A	MD, ND	16.00	406	11.87	301	17.37	441	20.37	517	8.12	206	-5.12	-130	21.43	544	9.00	229	20.50	521
20	*	48	125A	ED	6.37	162	11.87	301	17.37	441	20.37	517	5.37	136	-14.87	-378	25.25	641	3.00	76	23.43	595
	*	48	125A	CED	9.62	244	11.87	301	17.37	441	20.37	517	8.50	216	-11.50	-292	28.50	724	3.00	76	23.43	595
	*	48	250A	FD	9.50	241	11.87	301	17.37	441	20.37	517	5.62	143	-14.50	-368	25.50	648	4.50	114	22.00	559
	*	48	250A	CFD	14.12	359	11.87	301	17.37	441	20.37	517	10.25	260	-9.75	-248	30.37	771	4.50	114	22.00	559
	*	48	400A, 600A	JD, LD	11.00	279	11.87	301	17.37	441	20.37	517	5.25	133	-14.93	-379	25.12	638	7.50	191	23.62	600
	*	48	400A, 600A	CJD	17.87	454	11.87	301	17.37	441	20.37	517	12.12	308	-8.00	-203	32.00	813	7.50	191	23.62	600
	FHON048	48	800A 1200A	MD, ND	16.00	406	11.87	301	17.37	441	20.37	517	8.12	206	-5.12	-130	20.93	532	9.00	229	21.00	533
24	*	48	125A	ED	6.37	162	11.87	301	17.37	441	20.37	517	5.37	136	-13.37	-340	23.25	591	3.00	76	20.62	524
	*	48	125A	CED	9.62	244	11.87	301	17.37	441	20.37	517	8.50	216	-10.00	-254	26.50	673	3.00	76	20.62	524
	*	48	250A	FD	9.50	241	11.87	301	17.37	441	20.37	517	5.62	143	-13.00	-330	23.50	597	4.50	114	19.37	492
	*	48	250A	CFD	14.12	359	11.87	301	17.37	441	20.37	517	10.25	260	-8.25	-210	28.37	721	4.50	114	19.37	492
	*	48	400A, 600A	JD, LD	11.00	279	11.87	301	17.37	441	20.37	517	5.25	133	-13.43	-341	23.12	587	7.50	191	20.93	532
	*	48	400A, 600A	CJD	17.87	454	11.87	301	17.37	441	20.37	517	12.12	308	-6.50	-165	30.00	762	7.50	191	20.93	532
	FHON048	48	800A, 1200A	MD,ND	26.00	406	11.87	301	17.37	441	20.37	517	8.12	206	-3.12	-79	19.93	506	9.00	229	20.50	521

I-T-E SIEMENS MAX-FLEX Disconnect Mechanism

Disconnect Mechanism	Cable Length	Circuit Breaker Types
FHOE036	36	ED2 ,ED4, ED6, HED4, HED6, ED6ETI
FHOE036	36	CED6, CED6ETI
FHOF036	36	FD6, FXD6, HFD6, FXD6ETI
FHOF036	36	CFD6, CFD6ETI
FHOJ036	36	JD2, JD6, JXD6, HJD6, JXD6ETI, LD6,LXD6, HLD6, LXD6ETI, SHJD6, SLD6, SHLD6
FHOJ036	36	CJD6, CJD6ETI, CLD6, CLD6ETI,SCJD6,SCLD6
FHON048	48	MD6, HMD6, CMD6, MXD6ETI, CMD6ETI, SMD6, SHMD6, SCMD6, ND6, HND6,CND6,SND6,SCND6

* Non-standard mechanism with 48 inch operating cable must be specified.

(1) Flexible operating cable allows disconnect to be mounted within min and max of "C" dimension when "D" is minimum.

(2) Flexible operating cable allows disconnect to be mounted within min and max of "D" dimension when "C" is nominal

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions. Flexible cable allows for variable disconnect mounting and adequate wire bending space must be maintained. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Enclosure Disconnects

Square D®

9422 Disconnect Mechanism

Square D Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height												C		D	
					72				84				90							
		Amp	Volt		A		B		A		B		A		B					
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
RC-1	30A	(non)	(non)	--	11.87	301	11.75	298	17.37	441	17.18	436	20.37	517	20.18	513	3.25	83	7.25	184
RC-2	30A	30A	250V	H,K,R	11.87	301	11.75	298	17.37	441	17.18	436	20.37	517	20.18	513	5.00	127	7.25	184
RC-3	30A	30A	600V	H,K,R	11.87	301	11.75	298	17.37	441	17.18	436	20.37	517	20.18	513	8.00	203	7.25	184
RC-3	30A	30A	600V	J	11.87	301	11.75	298	17.37	441	17.18	436	20.37	517	20.18	513	5.00	127	7.25	184
RC-3	30A	60A	250V	H,K,R	11.87	301	11.75	298	17.37	441	17.18	436	20.37	517	20.18	513	6.00	152	7.25	184
TC-1	30A	(non)	(non)	--	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	5.75	146	6.25	159
TC-2	30A	30A	250V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	5.75	146	6.25	159
TC-3	30A	30A	600V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	7.75	197	6.25	159
TC-3	30A	30A	600V	J	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	5.75	146	6.25	159
TC-3	30A	60A	250V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	6.00	152	6.25	159
TD-1	60A	(non)	(non)	--	11.87	301	10.75	273	17.37	441	16.25	413	20.37	517	19.25	489	6.50	165	6.75	171
TD-2	60A	30A	600V	H,K,R	11.87	301	10.75	273	17.37	441	16.25	413	20.37	517	19.25	489	8.50	216	6.75	171
TD-2	60A	60A	250V	H,K,R	11.87	301	10.75	273	17.37	441	16.25	413	20.37	517	19.25	489	6.50	165	6.75	171
TD-3	60A	60A	600V	H,K,R	11.87	301	10.75	273	17.37	441	16.25	413	20.37	517	19.25	489	9.00	229	6.75	171
TD-3	60A	60A	600V	J	11.87	301	10.75	273	17.37	441	16.25	413	20.37	517	19.25	489	6.50	165	6.75	171
TE-1	100A	(non)	(non)	--	11.87	301	10.50	273	17.37	441	16.00	406	20.37	517	19.00	483	4.75	121	8.50	216
TE-2	100A	100A	250V	H,K,R	11.87	301	10.50	273	17.37	441	16.00	406	20.37	517	19.00	483	7.50	191	8.50	216
TE-2	100A	100A	600V	H,K,R	11.87	301	10.50	273	17.37	441	16.00	406	20.37	517	19.00	483	9.50	241	8.50	216
TE-2	100A	100A	600V	J	11.87	301	10.50	273	17.37	441	16.00	406	20.37	517	19.00	483	6.25	159	8.50	216
TE-3	100A	200A	600V	J	11.87	301	10.50	273	17.37	441	16.00	406	20.37	517	19.00	483	13.75	349	8.50	216
TF-1	200A	(non)	(non)	--	11.87	301	9.12	232	17.37	441	14.62	371	20.37	517	17.62	448	5.50	140	11.75	298
TF-2	200A	200A	250V	H,K,R	11.87	301	9.12	232	17.37	441	14.62	371	20.37	517	17.62	448	11.50	292	11.75	298
TF-2	200A	200A	600V	H,K,R	11.87	301	9.12	232	17.37	441	14.62	371	20.37	517	17.62	448	14.00	356	11.75	298
TF-2	200A	200A	600V	J	11.87	301	9.12	232	17.37	441	14.62	371	20.37	517	17.62	448	10.25	260	11.75	28
TF-3	200A	400A	600V	J	11.87	301	9.12	232	17.37	441	14.62	371	20.37	517	17.62	448	14.50	368	11.75	298

Square D Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height												C		D	
			72				84				90							
			A		B		A		B		A		B					
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
RN-1	100A	FAL,FHL,FCL	7.87	200	6.87	174	17.37	441	16.37	416	20.37	517	19.37	492	5.25	133	5.50	140
RP-1	250A	KAL,KHL,KCL	7.87	200	6.62	168	17.37	441	17.12	435	20.37	517	20.12	511	7.25	184	5.75	146
RR-1	400A	LAL,LHL,Q4L	*	*	*	*	17.37	441	12.75	324	20.37	517	15.75	400	7.75	197	9.00	229
RR-2	400A	ILL	*	*	*	*	17.37	441	17.12	435	20.37	517	20.12	511	11.00	279	15.75	400
RT-1	800A	MEL	*	*	*	*	17.37	441	12.62	321	20.37	517	15.62	397	9.25	235	12.00	305
RT-1	1000A	MAL,MHL	*	*	*	*	17.37	441	12.62	321	20.37	517	16.62	422	9.25	235	12.00	305

* Do not install disconnects in this height enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Enclosure Disconnects

Westinghouse®

AMT Disconnect Mechanism

Westinghouse Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height												C		D Pivot Width			
					72				84				90						variable		fixed	
		Amp	Volt		A		B		A		B		A		B							
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
DS16U	30A	(non)	(non)	--	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	5.25	133	9.00	229	7.00	178
DS121R	30A	30A	250V	H,R	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	10.25	260	9.00	229	7.00	178
DS161U	30A	30A	600V	H,J,R	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	12.25	311	9.00	229	7.00	178
DS122	30A	60A	250V	H,R	13.12	333	12.25	337	18.62	473	18.75	476	21.62	549	21.75	552	10.25	260	9.00	229	7.00	178
DS162	30A	60A	600V	H,J,R	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	12.25	311	9.00	229	7.00	178
DS26U	60A	(non)	(non)	--	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	5.25	133	9.00	229	7.00	178
DS222R	60A	60A	250V	H,R	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	10.25	260	9.00	229	7.00	178
DS262R	60A	60A	600V	H,J,R	13.12	333	12.25	337	18.62	473	18.75	476	21.62	549	21.75	552	12.25	311	9.00	229	7.00	178
DS263	60A	100A	250V	H,R	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	10.25	260	9.00	229	7.00	178
DS263	60A	100A	600V	H,J,R	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	12.25	311	9.00	229	7.00	178
DS36U	100A	(non)	(non)	--	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	5.25	133	9.00	229	7.00	178
DS363R	100A	100A	250V	H,R	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	10.25	260	9.00	229	7.00	178
DS363R	100A	100A	600V	H,J,R	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	12.25	311	9.00	229	7.00	178
DS364 (1)	100A	200A	250V	H,R	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	5.25	133	9.00	229	7.00	178
DS364 (1)	100A	200A	600V	H,J,R	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	5.25	133	9.00	229	7.00	178
DS46U	200A	(non)	(non)	--	13.12	333	11.00	279	18.62	473	16.50	419	21.62	549	19.50	495	6.00	152	12.00	305	10.00	254
DS464R	200A	200A	250V	H,R	13.12	333	11.00	279	18.62	473	16.50	419	21.62	549	19.50	495	14.00	356	12.00	305	10.00	254
DS464R	200A	200A	600V	H,R	13.12	333	11.00	279	18.62	473	16.50	419	21.62	549	19.50	495	15.25	387	12.00	305	10.00	254
DS464R	200A	200A	600V	J	13.12	333	11.00	279	18.62	473	16.50	419	21.62	549	19.50	495	14.00	356	12.00	305	10.00	254
DS465 (1)	200A	400A	250V	H,J,R	13.12	333	11.00	279	18.62	473	16.50	419	21.62	549	19.50	495	6.00	152	12.00	305	10.00	254
DS465 (1)	200A	400A	600V	H,J,R	13.12	333	11.00	279	18.62	473	16.50	419	21.62	549	19.50	495	6.00	152	12.00	305	10.00	254

Westinghouse Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height												C		D Pivot Width			
			72				84				90						variable		fixed	
			A		B		A		B		A		B							
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
EB	100A	EB	13.12	333	12.37	314	18.62	473	17.87	454	21.62	549	20.87	530	5.50	140	9.25	235	7.25	184
FB TRI-PAC	100A	FB TRI-PAC	13.12	333	12.37	314	18.62	473	17.87	454	21.62	549	20.87	530	8.25	210	9.25	235	7.25	184
MCP	150A	MCP (0-4) current limit	13.12	333	12.37	314	18.62	473	17.87	454	21.62	549	20.87	530	8.25	210	9.25	235	7.25	184
F FRAME	150A	F (series C)	13.12	333	12.37	314	18.62	473	17.87	454	21.62	549	20.87	530	5.50	140	9.25	235	7.25	184
J FRAME	250A	J (series C)	13.12	333	9.50	241	18.62	473	15.00	381	21.62	549	18.00	457	6.75	171	9.25	235	--	--
K FRAME	400A	K (series C)	13.12	333	9.00	229	18.62	473	14.50	368	21.62	549	17.50	445	8.25	210	9.25	235	--	--
LA TRI-PAC	400A	LA TRI-PAC	*	*	*	*	18.62	473	16.50	419	21.62	549	19.50	495	14.25	362	12.00	305	--	--
LA,LC	600A	LA,LAB,HLA,LC,HLC	13.12	333	11.00	279	18.62	473	16.50	419	21.62	549	19.50	495	9.00	229	12.00	305	--	--
MC	800A	MC,HMC	*	*	*	*	18.62	473	12.87	327	21.62	549	15.87	403	10.50	267	12.00	305	--	--
NB TRI-PAC	800A	NB TRI-PAC	*	*	*	*	18.62	473	12.87	327	21.62	549	15.87	403	10.50	267	12.00	305	--	--
NB,NC	1200A	NB,HNB,NC,HNC	*	*	*	*	18.62	473	12.87	327	21.62	549	15.87	403	10.50	267	12.00	305	--	--

* Do not install disconnects in this height enclosure.

(1) Dimensions “C” and “D” on these disconnects do not include space for fuse blocks which are mounted separately.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Enclosure Disconnects

Westinghouse®

AMT Disconnect Mechanism

Westinghouse Mechanism for Switches	Amp	Switch Type	Fuse Class	Enclosure Height												C		D	
				72				84				90							
				A		B		A		B		A		B					
				in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
SM100R	30A	De-ion Switch	--	11.31	287	11.25	286	16.81	427	16.75	425	19.81	503	19.75	502	6.62	168	4.75	121
SM100R	60A	De-ion Switch	--	11.31	287	11.25	286	16.81	427	16.75	425	19.81	503	19.75	502	6.62	168	4.75	121
SM100R	100A	De-ion Switch	--	11.31	287	9.75	248	16.81	427	15.25	387	19.81	503	18.25	464	6.62	168	5.25	133
SM100SFR	30A	DS121R	H,R	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	7.00	178	5.50	140
SM100SFR	30A	DS122	H,R	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	7.87	200	5.50	140
SM100SFR	60A	DS222R	H,R	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	7.87	200	5.50	140
SM100SFR	30A	DS161R	H,R	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	10.00	254	5.50	140
SM100SFR	30A	DS161R	J	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	7.25	184	5.50	140
SM100SFR	60A	DS262H	J	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	7.25	184	5.50	140
SM100SFR	30A	DS162	H,R	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	10.37	263	5.50	140
SM100SFR	60A	DS262R	H,R	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	10.37	263	5.50	140
SM100SFR	100A	DS363R(250V)	H,R	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	10.25	260	5.50	140
SM100SFR	100A	DS363R(600V)	H,R	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	12.12	308	5.50	140
SM100SFR	60A	DS263(600V)	H,R	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	12.12	308	5.50	140
SM100SFR	100A	DS363R	J	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	8.87	225	5.50	140
SM150R	30A	DS16U Switch	--	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	5.12	130	5.50	140
SM150R	60A	DS26U Switch	--	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	5.12	130	5.50	140
SM150R [1]	100A	DS36U Switch	--	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	5.12	130	5.50	140
SM150R [1]	100A	DS364	H,R	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	5.12	130	5.50	140
SM200SR [1]	200A	DS46U Switch	--	10.87	276	9.00	229	16.37	416	14.50	368	19.37	492	17.50	445	7.37	187	6.75	171
SM200SR [1]	200A	DS465	H,R	10.87	276	9.00	229	16.37	416	14.50	368	19.37	492	17.50	445	7.37	187	6.75	171
SM200SFR	200A	DS464R	H,R	10.87	276	9.00	229	16.37	416	14.50	368	19.37	492	17.50	445	15.25	387	6.75	171

Westinghouse Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height												C		D	
			72				84				90							
			A		B		A		B		A		B					
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
SM150R	100A	EB	11.31	287	10.50	267	16.81	427	16.00	406	19.81	503	19.00	483	5.12	130	5.50	140
SM101PR	100A	FB TRI-PAC	11.31	287	10.50	267	16.81	427	16.00	406	19.81	503	19.00	483	8.00	203	5.50	140
SM101PR	150A	MCP (0-4) current limiting	11.31	287	10.50	267	16.81	427	16.00	406	19.81	503	19.00	483	8.00	203	5.50	140
SM150R	150A	F (series C)	11.31	287	10.50	267	16.81	427	16.00	406	19.81	503	19.00	483	8.00	203	5.50	140
SM250JR	250A	J (series C)	10.87	276	8.00	203	16.37	416	13.50	343	19.37	492	16.50	419	8.50	216	7.50	191
SM400KR	400A	K (series C)	10.87	276	7.62	194	16.37	416	13.12	333	19.37	492	16.12	409	9.12	232	7.50	191
SM400PR	400A	LA TRI-PAC	10.87	276	7.75	197	16.37	416	13.25	337	19.37	492	16.25	413	14.50	368	9.75	248
SM400R	600A	LA,LAB,HLA	10.87	276	7.75	197	16.37	416	13.25	337	19.37	492	16.25	413	9.25	235	9.75	248
SM400R	600A	LC, HLC	10.87	276	7.75	197	16.37	416	13.25	337	19.37	492	16.25	413	9.25	235	9.75	248
SM800R	800A	MA,HMA,MC,HMC	*	*	*	*	16.37	416	9.62	244	19.37	492	12.62	413	10.75	273	9.75	248
SM800R	800A	NB TRI-PAC	*	*	*	*	16.37	416	9.62	244	19.37	492	12.62	413	16.87	428	9.75	248
SM1200R	1200A	NB.HNB,NC,HNC	*	*	*	*	16.37	416	9.62	244	19.37	492	12.62	413	10.75	273	9.75	248

* Do not install disconnects in this height enclosure.

[1] Dimensions “C” and “D” on these disconnects do not include space for fuse blocks which are mounted separately.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Enclosure Disconnects

Disconnect Ordering Information

ALLEN-BRADLEY

Standard enclosures designed to accept variable depth type 1494V.

Allen-Bradley 1494V disconnect switch:

1.Disconnect switch.
2.Operating mechanism.
3.Operating handle.
4.Fuse block kit, (if required).
5.Fuse clip kit, (if required).
6.Line and Load connectors, (if necessary).
7.Connecting rod.

Allen-Bradley 1494V circuit breaker:

1.Circuit breaker (General Electric, Westinghouse).
2.Operating mechanism.
3.Operating handle.
4.Line and load connectors, (if necessary).
5.Connecting rod.

NOTE: Standard enclosures designed to accept fixed depth type 1494F or 1494D.

Allen-Bradley 1494F disconnect switch:

1.Disconnect switch.
2.Operating mechanism.
3.Operating handle.
4.Fuse block kit, (if required).
5.Fuse clip kit, (if required).
6.Line and load connectors, (if necessary).

Allen-Bradley 1494D circuit breaker:

1.Circuit breaker, (General Electric, Westinghouse).
2.Operating mechanism.
3.Operating handle.
4.Line and load connectors, (if necessary).
5.Slide mechanism

CUTLER-HAMMER

Standard enclosures designed to accept variable depth type C361 or C371.

Cutler-Hammer C361 disconnect switch:

1.Disconnect switch.
2.Operating mechanism.
3.Operating handle.
4.Fuse clip kit, (if required).
5.Line and load connectors, (if necessary) .

NOTE: Items 1, 2 and 3 can be ordered as an assembly.

Cutler-Hammer C371 circuit breaker:

1.Circuit breaker, (Cutler-Hammer, Westinghouse).
2.Operating mechanism.
3.Operating handle.
4.Line and load connectors, (if necessary).

NOTE: Items 2 and 3 can be ordered as an assembly.

GENERAL ELECTRIC

Standard enclosures designed to accept variable depth type TDA.

General Electric TDA disconnect switch:

1.Disconnect switch, (QMR, QMW).
2.Operating mechanism.
3.Operating handle TDA1.
4.Fuse clip kit or no-fuse kit, (if required).
5.Line and load connectors, (if necessary).
6.Extended length drive rod, (if required).

NOTE: These items can be ordered as an assembly.

General Electric TDA circuit breaker:

1.Circuit breaker.
2.Operating mechanism.
3.Operating handle TDA1.
4.Line and load connectors, (if necessary).
5.Extended length drive rods, (if required).

I-T-E SIEMENS

Standard enclosures designed to accept Max-Flex type FHO.

I-T-E Max-Flex circuit breaker:

1.Circuit breaker.
2.Operating mechanism.
3.Operating handle.
4.Line and load connectors, (if necessary).
5.Operating cable.

NOTE: Items 2, 3 and 5 can be ordered as an assembly, standard with a 36 inch long operating cable. All 24 inch deep enclosures require a 48 inch long cable.

Notes: Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Enclosure Disconnects

Disconnect Ordering Information

SQUARE D

Standard enclosures designed to accept variable depth type 9422.

Square D 9422 disconnect switch:

1. Disconnect switch.
2. Operating mechanism.
3. Operating handle.
4. Fuse clip kit, (if required).
5. Line and load connectors, (if necessary).
6. Connecting rod.

Square D 9422 circuit breaker:

1. Circuit Breaker.
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).
5. Connecting rod.

WESTINGHOUSE

Standard enclosures designed to accept below handle type AMT.

Westinghouse AMT disconnect switch:

1. Disconnect switch.
2. Pivot mechanism assembly for below handle mounting.
3. Backplate and yoke assembly for below handle mounting.
4. Operating handle.
5. Fuse block kit, (if required).
6. Fuse clip kit, (if required).
7. Line and load connectors, (if necessary).
8. Connecting rod.

Westinghouse AMT circuit breaker:

1. Circuit breaker.
2. Pivot mechanism assembly for below handle mounting.
3. Backplate and yoke assembly for below handle mounting.
4. Operating handle.
5. Line and load connectors, (if necessary).
6. Connecting rod.

Standard enclosures designed to accept fixed depth type SM.

Westinghouse SM disconnect switch:

1. Disconnect switch.
2. Operating mechanism.
3. Operating handle.
4. Fuse block kit, (if required).
5. Fuse clip kit, (if required).
6. Line and load connectors, (if necessary).

Westinghouse SM circuit breaker:

1. Circuit breaker.
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).

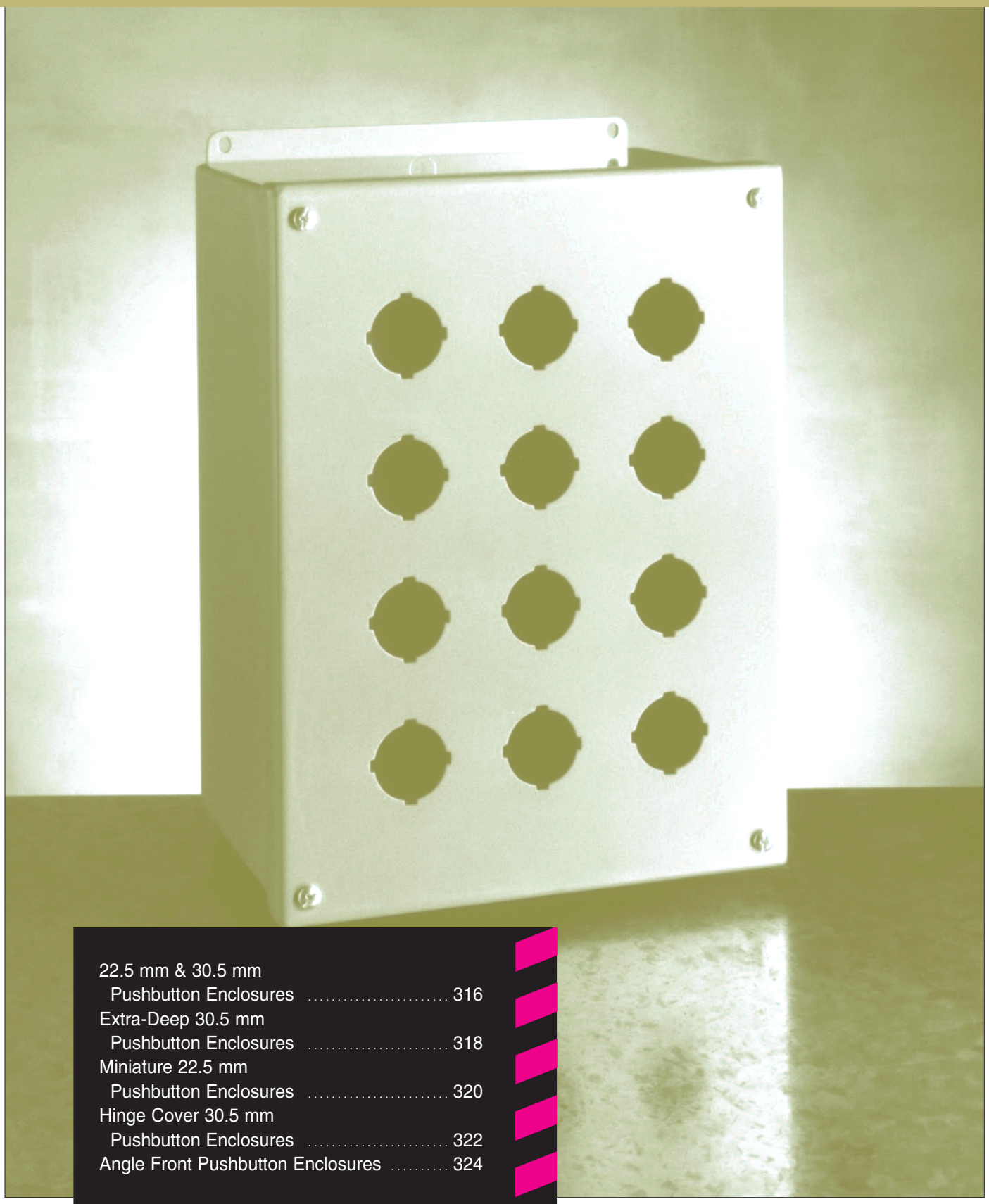
Important Note

When ordering flange-mounted disconnect equipment be sure to include all necessary components.

1. Enclosure includes the following equipment:
   Enclosure door locking handle and rods
   Door interlocking system
   Interlocking connecting rod
   Adjustable bracket, (see note 3)
2. Operator adapter plate, gasket and hardware for the type of disconnect device being used MUST be ordered separately (see page 381)
3. 24 inch deep enclosures include an adjustable bracket for mounting some disconnects:
   Cutler-Hammer C361 device
   Cutler-Hammer C371 E and F devices unless long connecting rod C371CS1 is specified
   Cutlet-Hammer C371 G and K devices unless long connecting rod C371CS2 is specified
   General Electric TDA device unless extended length rod TDSR is specified.
   Square D 9422 device unless extra long connecting rod 9422-R2 is specified.
4. Disconnects and related components are available from the manufacturer.
5. The disconnect ordering information provided is derived from information supplied be the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Data subject to change without notice.

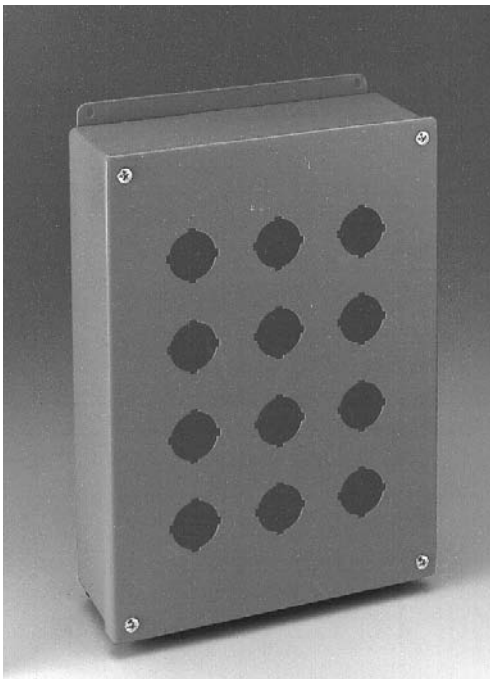
TYPE 12/13 PUSHBUTTON ENCLOSUES



22.5 mm & 30.5 mm
Pushbutton Enclosures 316
Extra-Deep 30.5 mm
Pushbutton Enclosures 318
Miniature 22.5 mm
Pushbutton Enclosures 320
Hinge Cover 30.5 mm
Pushbutton Enclosures 322
Angle Front Pushbutton Enclosures 324

Type 12 22.5 mm & 30.5 mm Pushbutton Enclosures

Data Sheet



Application

- Designed to mount standard 30.5 mm or miniature 22.5 mm oil-tight pushbuttons, pilot lights and switches
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Construction

- Enclosure and cover are fabricated from (14) gauge steel, Type 304 or Type 316L stainless steel
- All continuous welded seams are finished smooth
- Cover is attached with captive screws which thread into sealed well nuts
- Cover has concealed, detachable hinges which allow for quick removal and can be hinged on either side (not offered on all sizes)
- Cover has a fixed, oil-resistant gasket
- Weldnut in body of enclosure for grounding
- Cover is prepunched with standard 30.5 mm or miniature 22.5 mm “4-way” pushbutton holes
- External mounting feet are provided for secure wall mounting

Finish

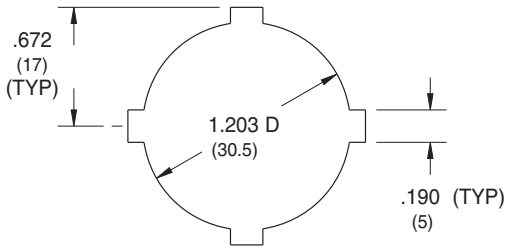
- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Stainless steel enclosure cover and sides of body have a smooth brushed finish

Standards

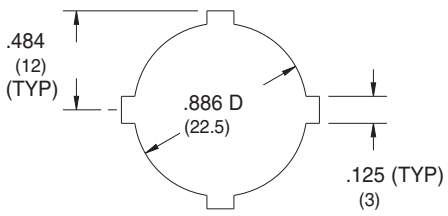
- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Accessories

- Hole seals
- Columns and bases
- Touch-up paint
- See accessories section



Standard 4-Way



Miniature 4-Way

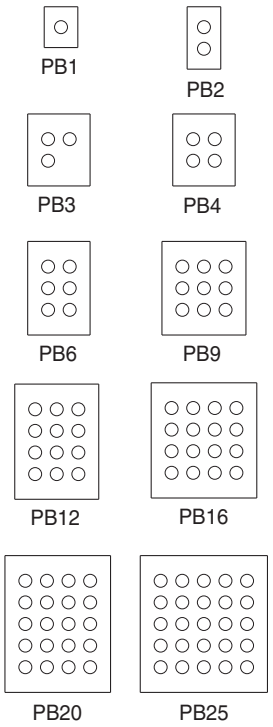
Notes: Cooper B-Line can provide special sizes, finishes and other holes and cutouts, see page 326.
Consult the factory for your special requirements.

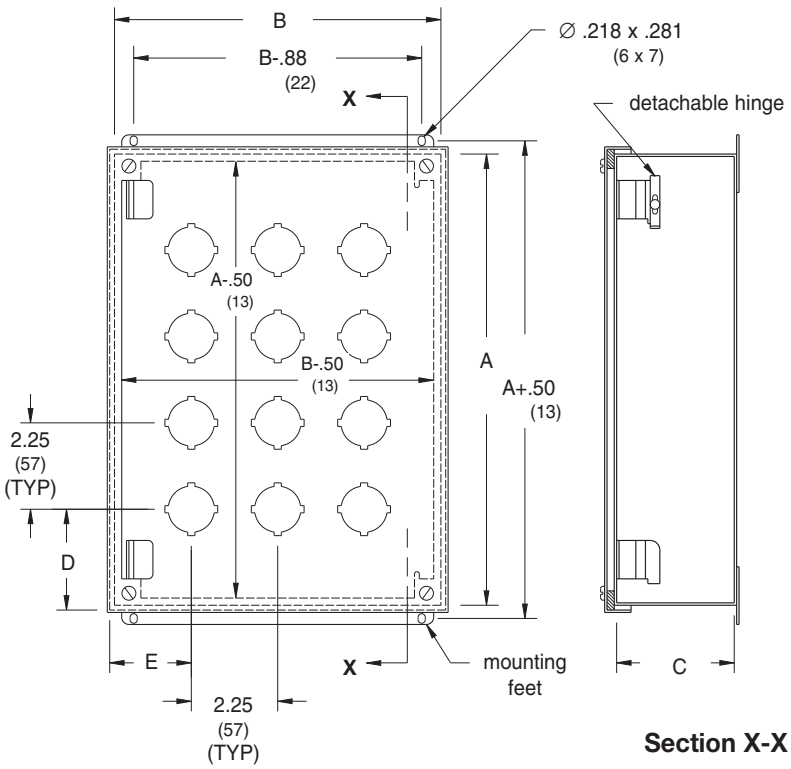
Type 12 22.5 mm & 30.5 mm Pushbutton Enclosures

Catalog Number

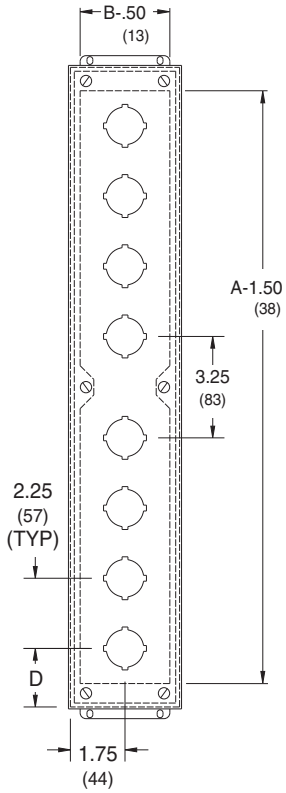
Enclosure Catalog Number (30.5 mm Hole) Steel	Type 304 Stainless	Type 316L Stainless	(22.5 mm Hole) Steel	Type 304 Stainless	Holes	Enclosure Size Height x Width x Depth A x B x C in.	mm	D in.	mm	E in.	mm
PB1*	PB1SS*	PB1SS6*	PB1M*	PB1MSS*	1	4.00x3.25x3.00	102x83x76	2.12	54	1.75	44
PB2*	PB2SS*	PB2SS6*	PB2M*	PB2MSS*	2	5.75x3.25x3.00	146x83x76	2.12	54	1.75	44
PB3	-	-	-	-	3	7.25x6.25x3.00	184x159x76	2.62	67	2.12	54
PB4	-	-	-	-	4	7.25x6.25x3.00	184x159x76	2.62	67	2.12	54
PB6	PB6SS*	PB6SS6*	-	-	6	9.50x6.25x3.00	241x159x76	2.62	67	2.12	54
PB9	PB9SS*	PB9SS6*	-	-	9	9.50x8.50x3.00	241x216x76	2.62	67	2.12	54
PB12	PB12SS*	PB12SS6*	-	-	12	11.75x8.50x3.00	298x216x76	2.62	67	2.12	54
PB16	-	-	-	-	16	11.75x10.75x3.00	298x273x76	2.62	67	2.12	54
PB20	-	-	-	-	20	14.00x10.75x3.00	356x273x76	2.62	67	2.12	54
PB25	-	-	-	-	25	14.00x13.00x3.00	356x330x76	2.62	67	2.12	54
PV3*	PV3SS*	PV3SS6*	PV3M*	PV3MSS*	3	8.00x3.25x2.75	203x83x70	2.12	54	1.75	44
PV4*	PV4SS*	PV4SS6*	PV4M*	PV4MSS*	4	10.25x3.25x2.75	260x83x70	1.87	47	1.75	44
PV5*	-	-	-	-	5	12.50x3.25x2.75	318x83x70	1.87	47	1.75	44
PV6*	-	-	-	-	6	14.75x3.25x2.75	375x83x70	1.87	47	1.75	44
PV8*	-	-	-	-	8	20.25x3.25x2.75	514x83x70	1.87	47	1.75	44
PV10*	-	-	-	-	10	24.75x3.25x2.75	629x83x70	1.87	47	1.75	44

* Enclosures are not hinged.

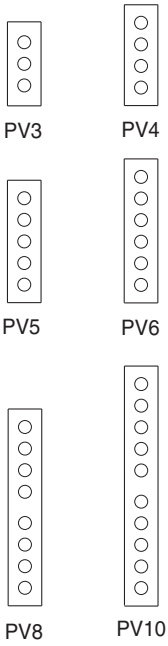




Section X-X



PV Series Typical 8 & 10 Hole

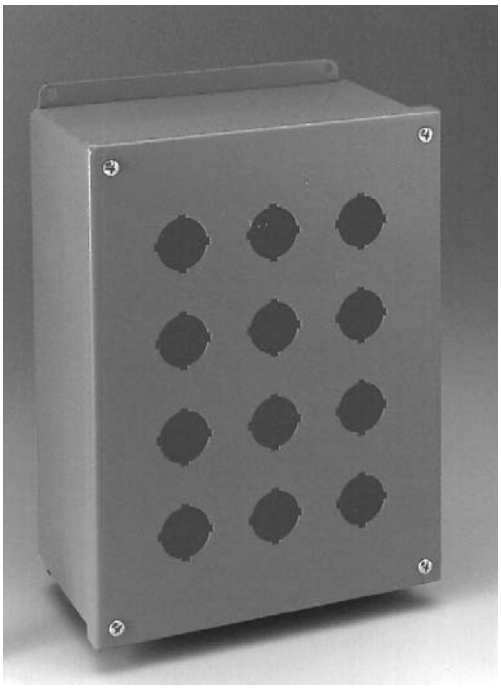


Cover Hole Layout

Notes: See data page for hole detail. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Extra-Deep 30.5 mm Pushbutton Enclosures

Data Sheet



Application

- Designed to mount standard 30.5 mm oil-tight pushbuttons, pilot lights and switches
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Construction

- Enclosure and cover are fabricated from (14) gauge steel or Type 304 stainless steel
- Enclosure has extra depth for those components that require more room
- All continuous welded seams are finished smooth
- Cover is attached with captive screws which thread into sealed well nuts
- Cover has concealed, detachable hinges which allow for quick removal and can be hinged on either side (PBX Series only)
- Cover has a fixed, oil-resistant gasket
- Weldnut in body of enclosure for grounding
- Cover is prepunched with standard 30.5 mm "4-way" pushbutton holes
- External mounting feet are provided for secure wall mounting

Finish

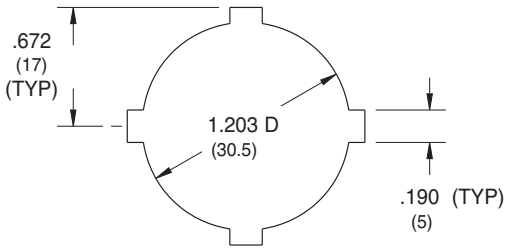
- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Stainless steel enclosure cover and sides of body have a smooth brushed finish

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Accessories

- Hole seals
- Columns and bases
- Touch-up paint
- See accessories section



Standard 4-Way

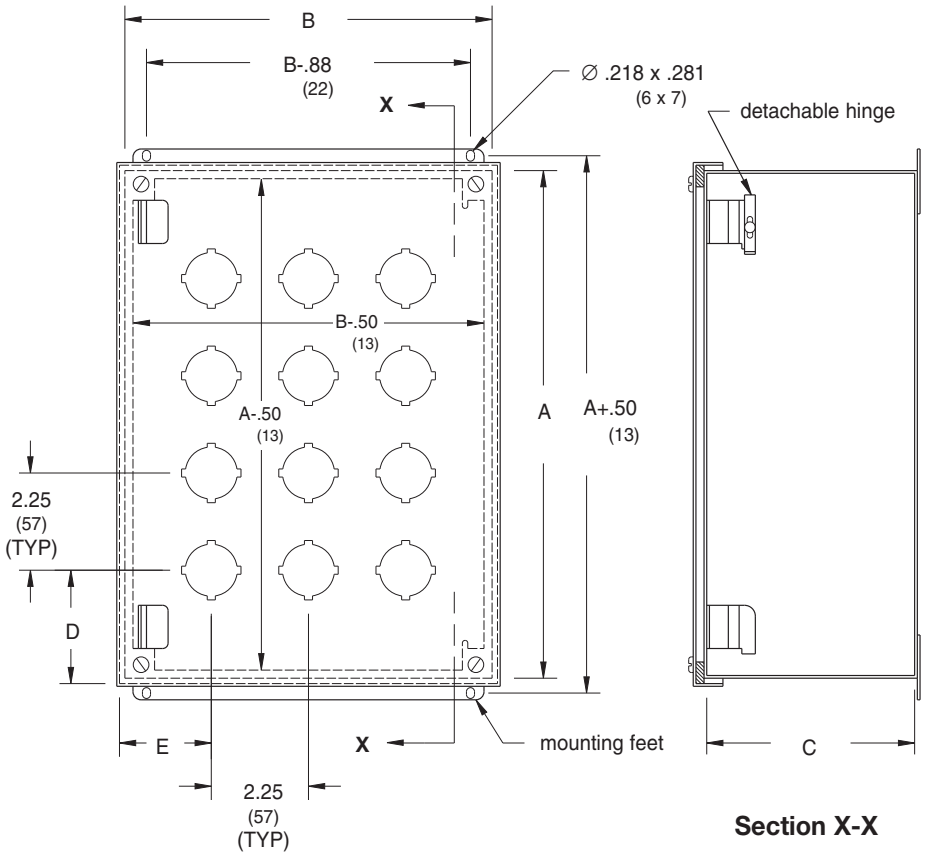
Notes: Cooper B-Line can provide special sizes, finishes and other holes and cutouts, see page 326.
Consult the factory for your special requirements.

Type 12 Extra-Deep 30.5 mm Pushbutton Enclosures

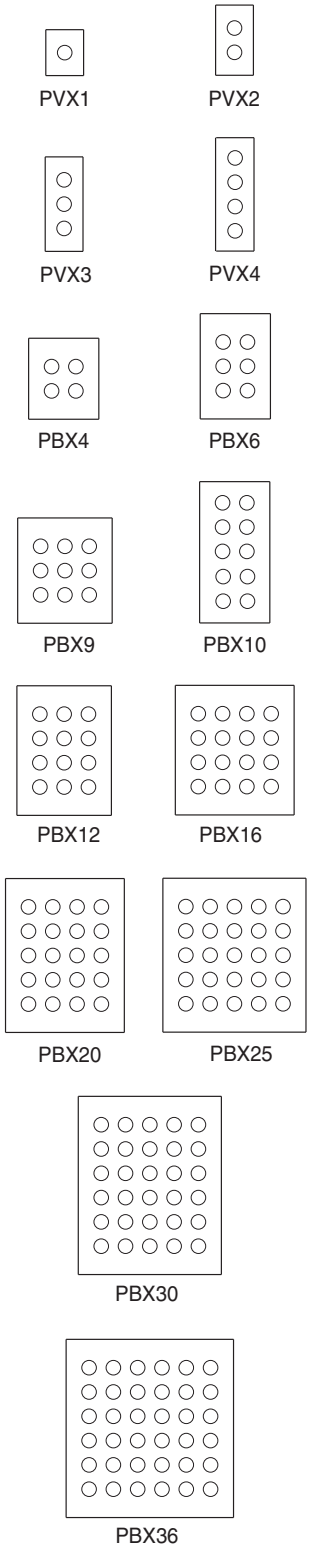
Catalog Number

Enclosure Catalog Number		Holes	Enclosure Size Height x Width x Depth A x B x C		D		E	
Steel	Type 304 Stainless		in.	mm	in.	mm	in.	mm
PVX1*	PVX1SS*	1	4.00x4.00x4.75	102x102x121	2.12	54	1.75	44
PVX2*	PVX2SS*	2	6.00x4.00x4.75	152x102x121	2.12	54	1.75	44
PVX3*	PVX3SS*	3	8.00X4.00X4.75	203X102X121	2.12	54	1.75	44
PVX4*	PVX4SS*	4	10.00x4.00x4.75	254x102x121	1.87	47	1.75	44
PBX4	-	4	7.25x6.25x4.75	184x159x121	2.62	67	2.12	54
PBX6	-	6	9.50x6.25x4.75	241x159x121	2.62	67	2.12	54
PBX9	-	9	9.50x8.50x4.75	241x216x121	2.62	67	2.12	54
PBX10	-	10	14.00x6.25x4.75	356x159x121	2.62	67	2.12	54
PBX12	-	12	11.75x8.50x4.75	298x216x121	2.62	67	2.12	54
PBX16	-	16	11.75x10.75x4.75	298x273x121	2.62	67	2.12	54
PBX20	-	20	14.00x10.75x4.75	356x273x121	2.62	67	2.12	54
PBX25	-	25	14.00x13.00x4.75	356x330x121	2.62	67	2.12	54
PBX30	-	30	16.25x13.00x4.75	413x330x121	2.62	67	2.12	54
PBX36	-	36	16.25x15.25x4.75	413x387x121	2.62	67	2.12	54

* Enclosures are not hinged.



Section X-X

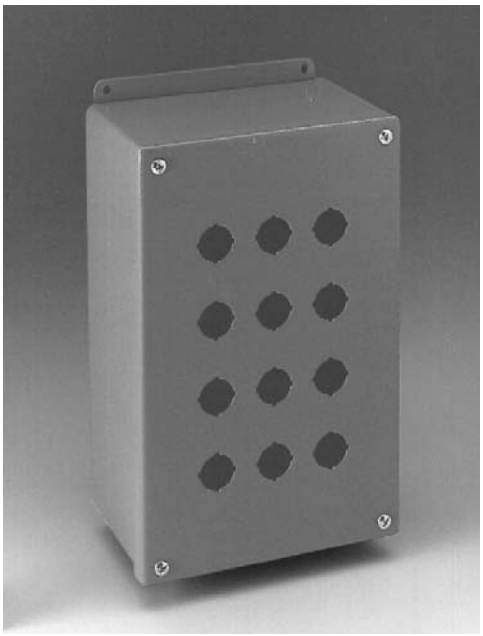


Cover Hole Layout

Notes: See data page for hole detail. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Miniature 22.5 mm Pushbutton Enclosures

Data Sheet



Application

- Designed to mount miniature 22.5 mm oil-tight pushbuttons, pilot lights and switches
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Construction

- Enclosure and cover are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Cover is attached with captive screws which thread into sealed well nuts
- Covers more than 2.75 inches wide have concealed, detachable hinges which allow for quick removal and can be hinged on either side
- Cover has a fixed oil-resistant gasket
- Weldnut in body of enclosure for grounding
- Cover is prepunched with miniature 22.5 mm “4-way” pushbutton holes
- External mounting feet are provided for secure wall mounting

Finish

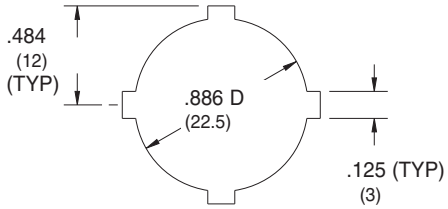
- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Accessories

- Hole seals
- Columns and bases
- Touch-up paint
- See accessories section



Miniature 4-Way

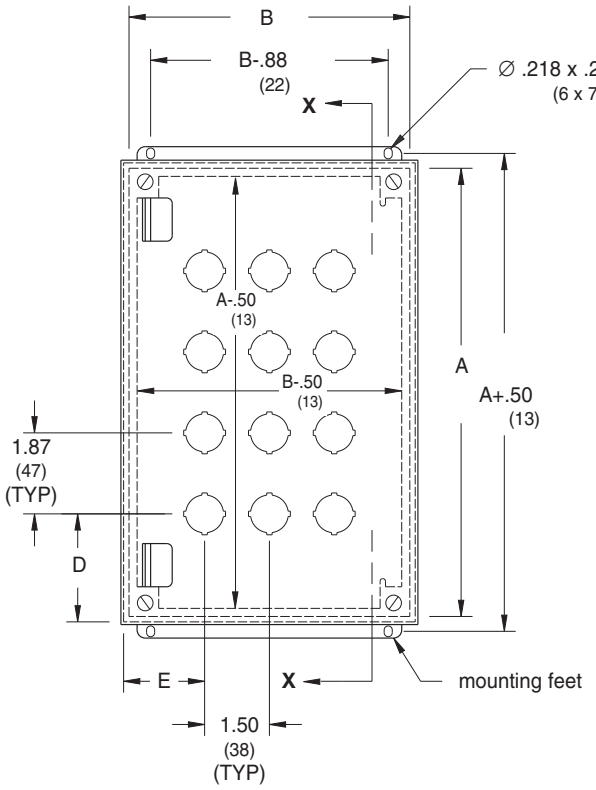
Notes: Cooper B-Line can provide special sizes, finishes and other holes and cutouts, see page 326.
Consult the factory for your special requirements.

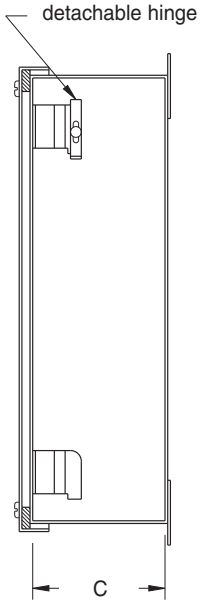
Type 12 Miniature 22.5 mm Pushbutton Enclosures

Catalog Number

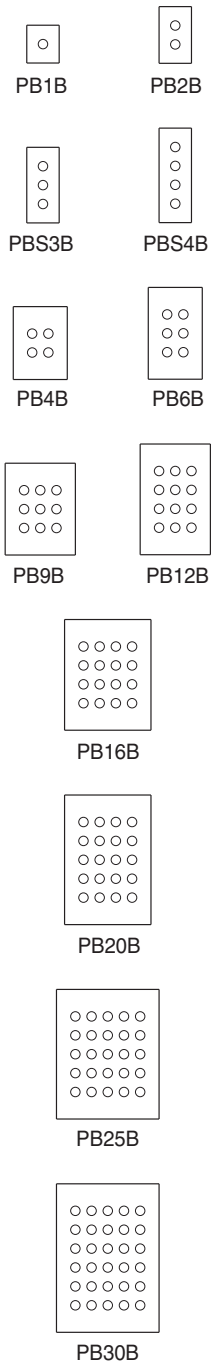
Enclosure Catalog Number	Holes	Enclosure Size Height x Width x Depth A x B x C in.	mm	D in.	D mm	E in.	E mm
PB1B*	1	3.25x2.75x3.50	83x70x89	1.75	44	1.50	38
PB2B*	2	5.12x2.75x3.50	130x70x89	1.75	44	1.50	38
PBS3B*	3	7.00x2.75x3.50	178x70x89	1.75	44	1.50	38
PBS4B*	4	8.87x2.75x3.50	225x70x89	1.75	44	1.50	38
PB4B	4	6.62x5.00x3.50	168x127x89	2.50	64	1.87	47
PB6B	6	8.50x5.00x4.25	216x127x108	2.50	64	1.87	47
PB9B	9	8.50x6.50x4.25	216x165x108	2.50	64	1.87	47
PB12B	12	10.37x6.50x4.25	263x165x108	2.50	64	1.87	47
PB16B	16	10.37x8.00x4.25	263x203x108	2.50	64	1.87	47
PB20B	20	12.25x8.00x4.25	311x203x108	2.50	64	1.87	47
PB25B	25	12.25x9.50x4.25	311x241x108	2.50	64	1.87	47
PB30B	30	14.12x9.50x4.25	359x241x108	2.50	64	1.87	47

* Enclosures are not hinged.





Section X-X

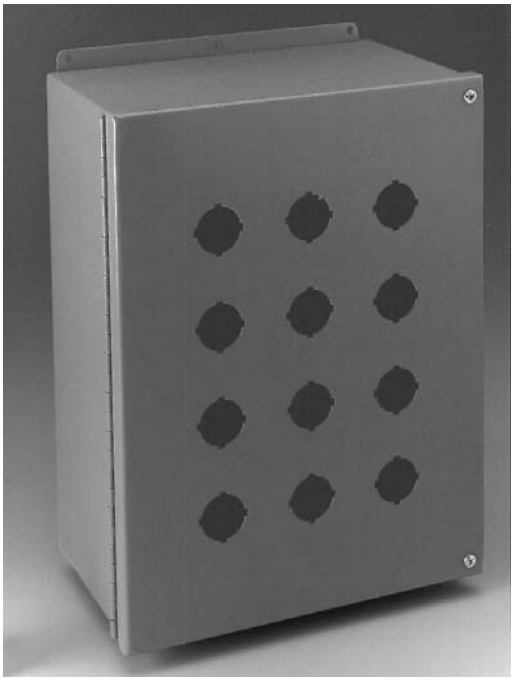


Cover Hole Layout

Notes: See data page for hole detail. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Hinge Cover 30.5 mm Pushbutton Enclosures With Panel

Data Sheet



Application

- Designed to mount standard 30.5 mm oil-tight pushbuttons, pilot lights and switches
- Protects against circulating dust, falling dirt and dripping noncorrosive liquid

Construction

- Enclosure and cover are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with a continuous hinge on one side and captive screws which thread into sealed well nuts on the opposite side
- Cover has a fixed oil-resistant gasket
- Weldnut in body of enclosure for grounding
- Cover is prepunched with standard 30.5 mm “4-way” pushbutton holes
- Heavy gauge panel mounted to weldnuts is provided with enclosure
- External mounting feet are provided for secure wall mounting

Finish

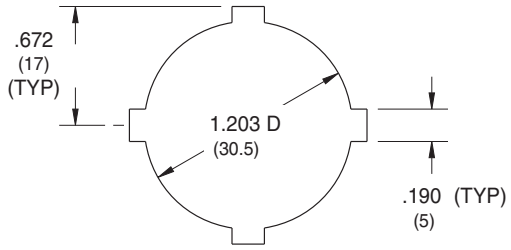
- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Panels have white enamel finish

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Accessories

- Hole seals
- Columns and bases
- Touch-up paint
- See accessories section



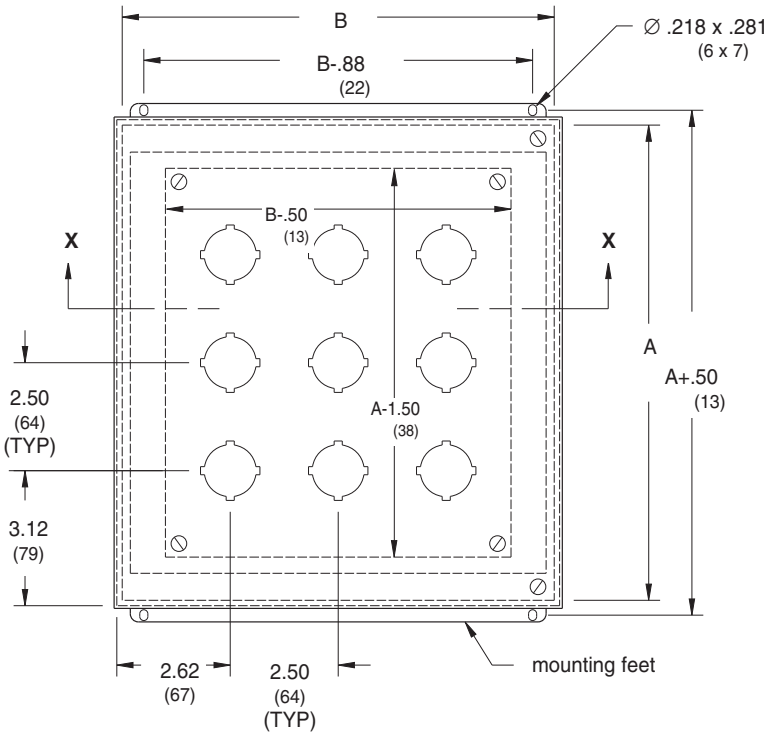
Standard 4-Way

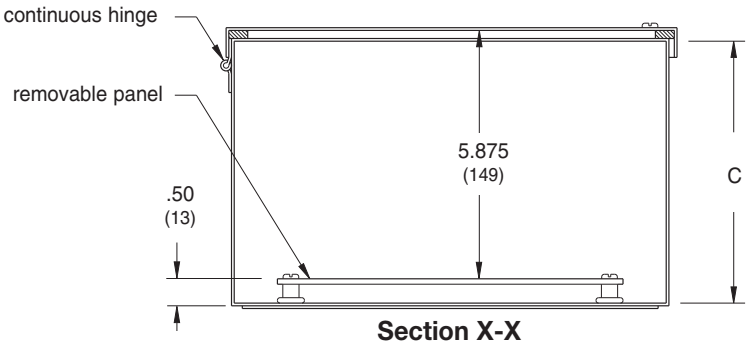
Notes: Cooper B-Line can provide special sizes, finishes and other holes and cutouts, see page 326.
Consult the factory for your special requirements.

Type 12 Hinge Cover 30.5 mm Pushbutton Enclosures With Panel

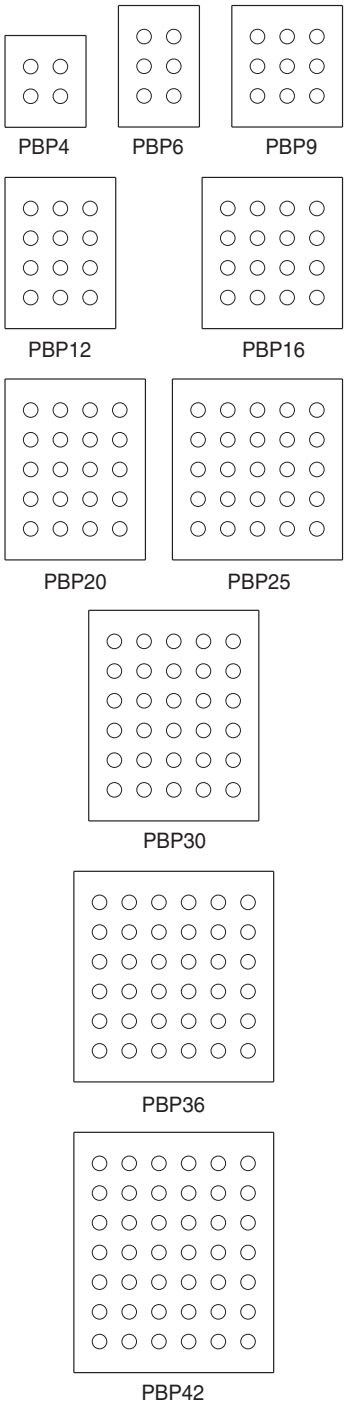
Catalog Number

Enclosure Catalog Number	Holes	Enclosure Size Height x Width x Depth A x B x C		Panel Size Height x Width			
		in.	mm	in.	mm	in.	mm
PBP4	4	8.50x7.50x6.00	216x191x152	6.50	35	5.50	140
PBP6	6	11.00x7.50x6.00	279x191x152	9.00	229	5.50	140
PBP9	9	11.00x10.00x6.00	279x254x152	9.00	229	8.00	203
PBP12	12	13.50x10.00x6.00	343x254x152	11.50	292	8.00	203
PBP16	16	13.50x12.50x6.00	343x318x152	11.50	292	10.50	267
PBP20	20	16.00x12.50x6.00	406x318x152	14.00	356	10.50	267
PBP25	25	16.00x15.00x6.00	406x381x152	14.00	356	13.00	330
PBP30	30	18.50x15.00x6.00	470x381152	16.50	419	13.00	330
PBP36	36	18.50x17.50x6.00	470x445x152	16.50	419	15.50	394
PBP42	42	21.00x17.50x6.00	533x445x152	19.00	483	15.50	394





Section X-X

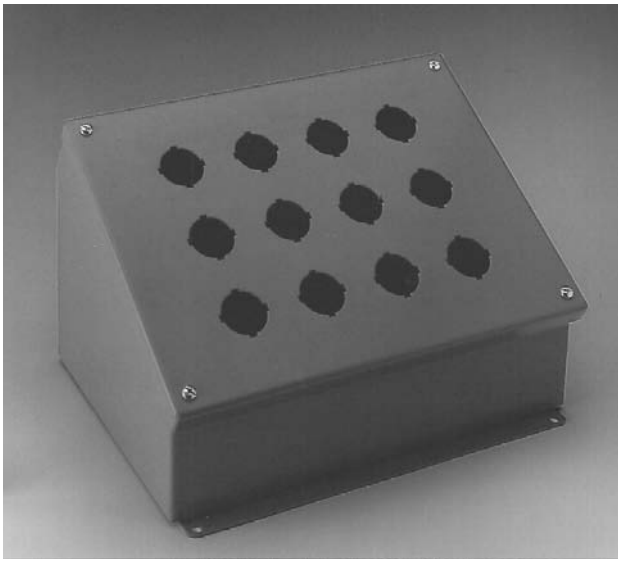


Cover Hole Layout

Notes: See data page for hole detail. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Angle Front 30.5 mm Pushbutton Enclosures

Data Sheet



Application

- Designed to mount standard 30.5 mm oil-tight pushbuttons, pilot lights and switches
- Designed with angle front for mounting in either 30° or 60° positions
- Protects against circulating dust, falling dirt and dripping noncorrosive liquid

Construction

- Enclosure and cover are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Cover is attached with captive screws which thread into sealed well nuts
- Covers more than 3.25 inches high have concealed, detachable hinges which allow for quick removal and can be hinged on either side
- Cover has a fixed oil-resistant gasket
- Weldnut in body of enclosure for grounding
- Cover is prepunched with standard 30.5 mm “4-way” pushbutton holes
- External mounting feet are provided for secure wall mounting

Finish

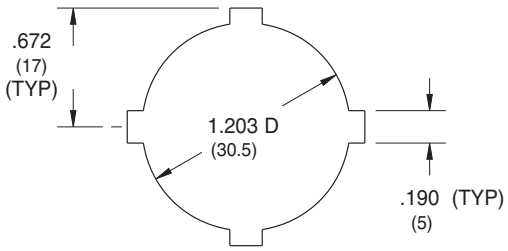
- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Accessories

- Hole seals
- Columns and bases
- Touch-up paint
- See accessories section



Standard 4-Way

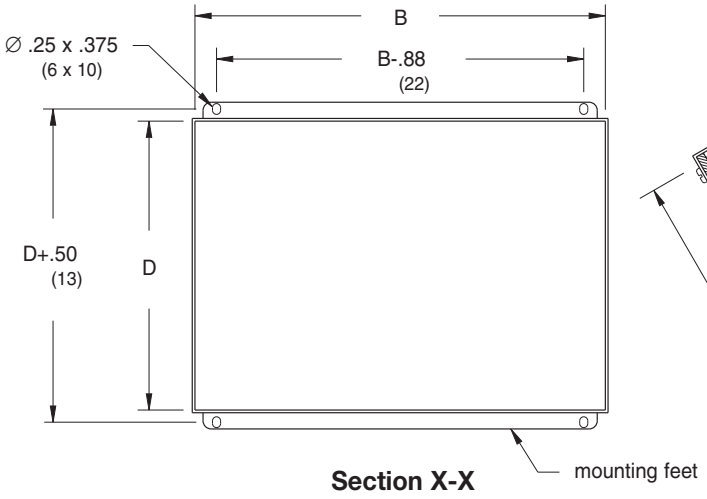
Notes: Cooper B-Line can provide special sizes, finishes and other holes and cutouts, see page 326.
Consult the factory for your special requirements.

Type 12 Angle Front 30.5 mm Pushbutton Enclosures

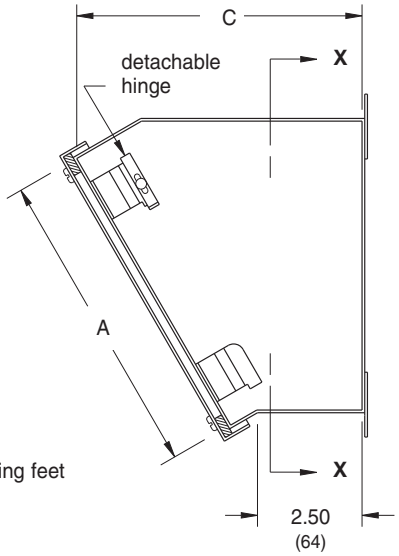
Catalog Number

Enclosure Catalog Number	Holes	Enclosure Size Height x Width x Depth A x B x C		D		E		F	
		in.	mm	in.	mm	in.	mm	in.	mm
PBC2*	2	3.25x6.25x4.81	83x159x122	3.31	84	1.75	44	2.12	54
PBCS3*	3	3.25x8.50x4.81	83x216x122	3.31	84	1.75	44	2.12	54
PBC3	3	6.25x7.25x6.37	159x184x162	5.90	150	2.12	54	2.62	67
PBCS4*	4	3.25x10.25x4.81	83x260x122	3.31	84	1.75	44	1.87	47
PBC4	4	6.25x7.25x6.37	159x184x162	5.90	150	2.12	54	2.62	67
PBC6	6	6.25x9.50x6.37	159x241x162	5.90	150	2.12	54	2.62	67
PBC8	8	6.25x11.75x6.37	159x298x162	5.90	150	2.12	54	2.62	67
PBC9	9	9.50x8.50x7.88	241x216x200	8.84	225	2.12	54	2.62	67
PBCS12	12	6.25x16.25x6.37	159x413x162	5.90	150	2.12	54	2.62	67
PBC12	12	8.50x11.75x7.50	216x298x191	7.84	199	2.12	54	2.62	67
PBC16	16	10.75x11.75x8.62	273x298x219	9.78	248	2.12	54	2.62	67
PBC20	20	10.75x14.00x8.62	273x356x219	9.78	248	2.12	54	2.62	67
PBC25	25	13.00x14.00x9.75	330x356x248	11.75	298	2.12	54	2.62	67

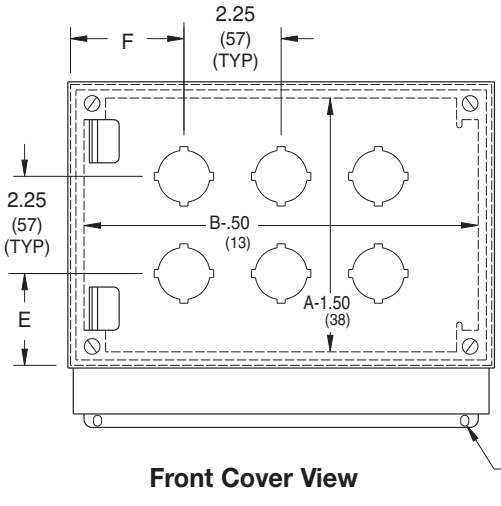
* Enclosures are not hinged.



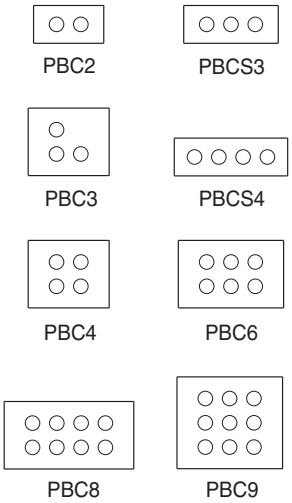
Section X-X

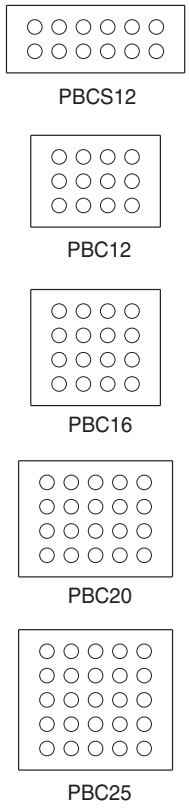


Side Section View



Front Cover View



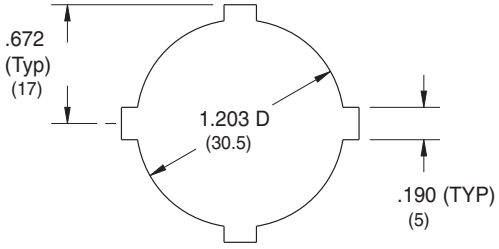


Cover Hole Layout

Notes: See data page for hole detail. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

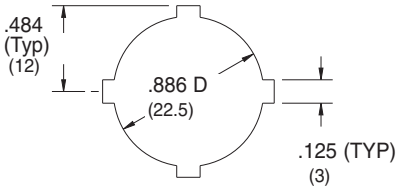
Pushbutton Enclosures Hole and Cutout Information

Data Sheet



Standard 4-Way (Type S4-WAY)

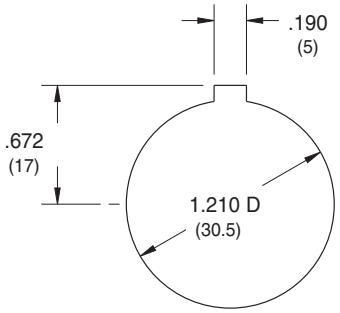
B-Line Systems' standard "4-way" pushbutton hole will accommodate all standard size pushbutton, pilot lights and selector switches. The hole is designed to orient the device and legend plate in one of four different positions. Furnished on "PB", "PBX", "PBP", "PBC", "PBCS", "PV", "PVX", "PVS" and "P" style enclosures.



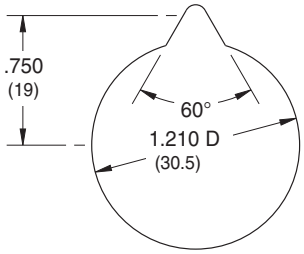
Miniature 4-Way (Type: M4-WAY)

B-Line Systems' miniature "4-way" pushbutton hole will accommodate miniature size pushbuttons, pilot lights and selector switches. The hole is designed to orient the device and legend plate in one of four different positions. Furnished on "PB-M" and "PB-B" style enclosures.

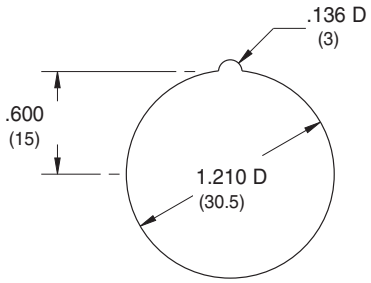
Custom Holes and Cutouts



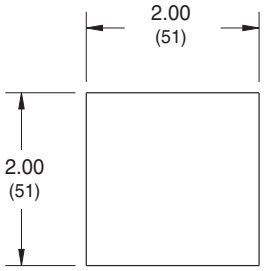
Type: C-101



Type C-102

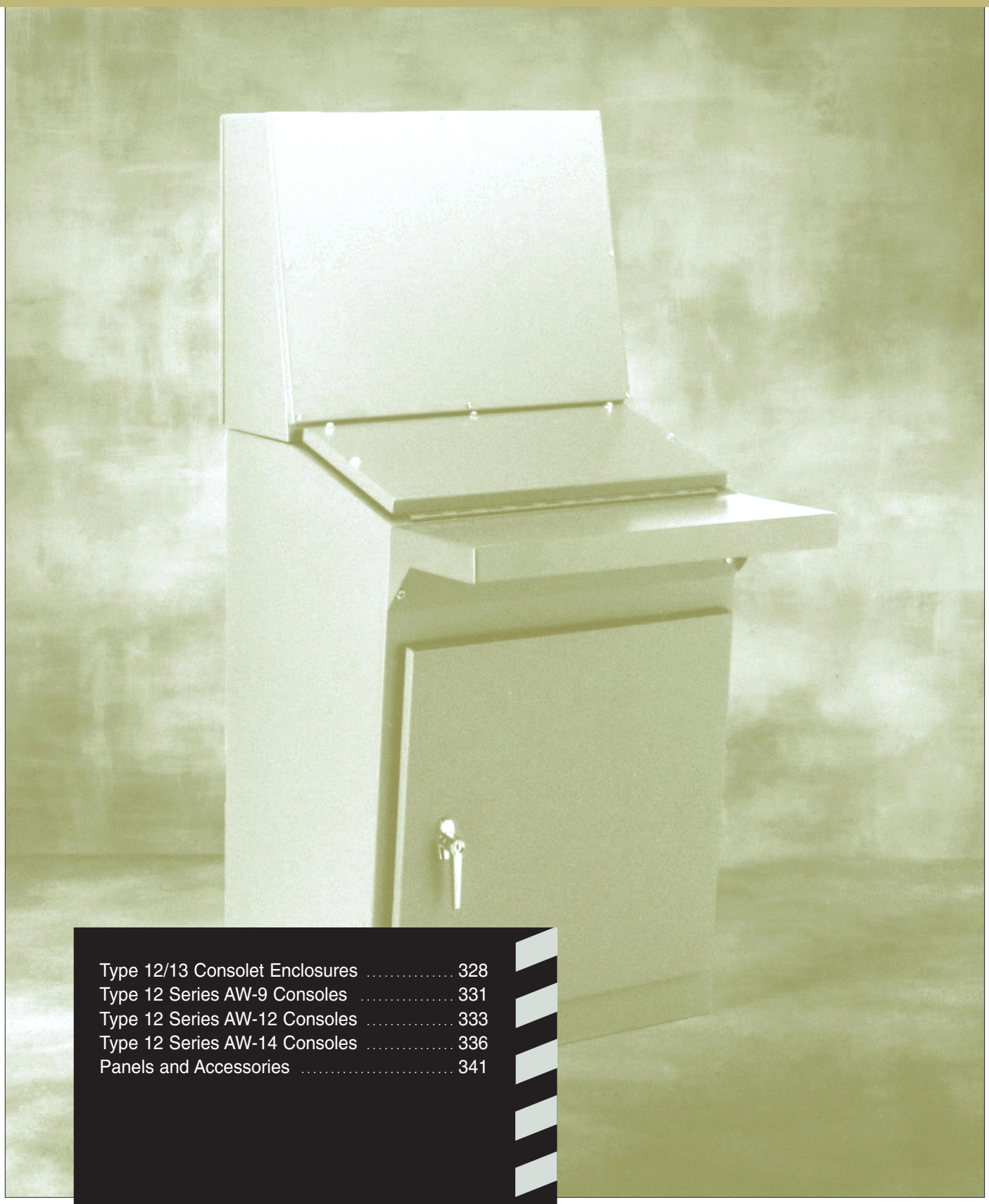


Type: C-103



Type C-201

Notes: When specifying hole types "C-101", "C-102" and "C-103" indicate orientation of "key". Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.



CONSOLE & CONSOLET ENCLOSURES

Type 12/13 Consolet Enclosures 328
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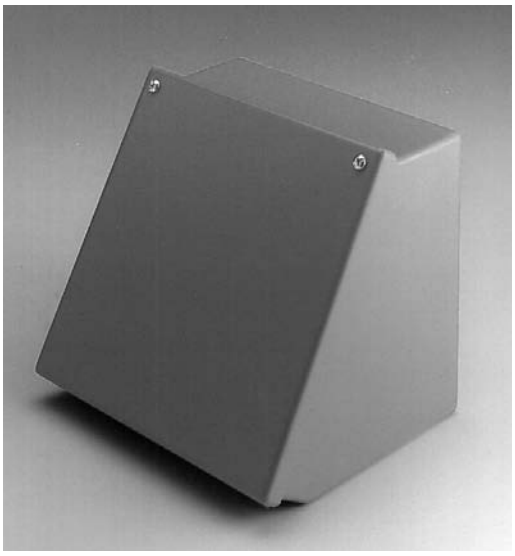
Type 12 Series AW-12 Consoles 333
Type 12 Series AW-14 Consoles 336
Panels and Accessories 341

Type 12 Consolet Enclosures
Data Sheet



Application
- Houses electrical controls and instruments
- Designed with angle front for mounting in either 30° or 60° position
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards
- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP65

Construction
- Enclosure and cover are fabricated from (14) gauge steel or Type 304 stainless steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with a continuous hinge on one side and captive screws which thread into sealed well nuts on the opposite side
- Cover has a fixed oil-resistant gasket

Finish
- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Stainless steel enclosures have a smooth brushed finish on outer surface of enclosure and cover

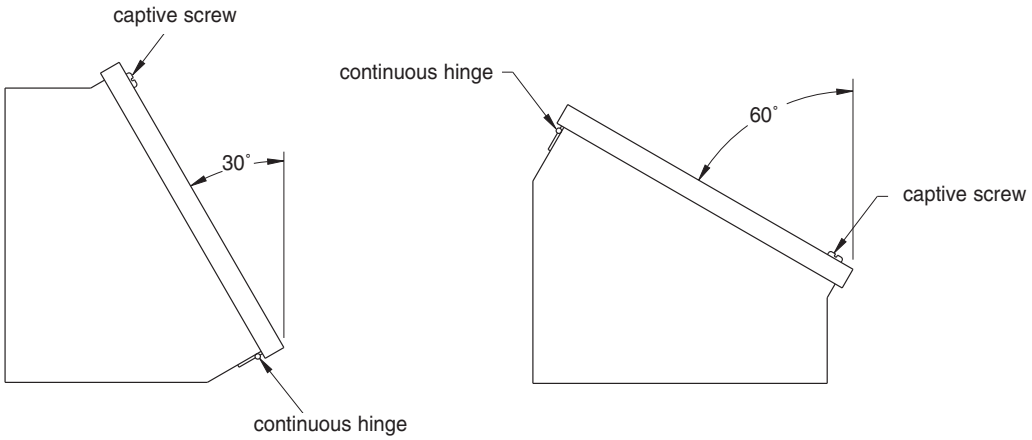
Accessories
- Columns and bases
- Touch-up paint
- See Accessories section

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Consolet Enclosures

Catalog Number

Enclosure Catalog Number		Enclosure Size Height x Width x Depth A x B x C		D		E		F		G		H		J	
Steel	Type 304 Stainless	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
AC-8C8	AC-8C8SS	8.00x8.00x7.12	203x203x181	5.62	143	7.50	191	6.62	168	7.37	187	8.25	210	8.25	210
AC-8C12	AC-8C12SS	8.00x12.00x7.12	203x305x181	5.62	143	7.50	191	6.62	168	11.37	289	8.25	210	12.25	311
AC-8C16	AC-8C16SS	8.00x16.00x7.12	203x406x181	5.62	143	7.50	191	6.62	168	15.37	390	8.25	210	16.25	413
AC-8C20	AC-8C20SS	8.00x20.00x7.12	203x508x181	5.62	143	7.50	191	6.62	168	19.37	492	8.25	210	20.25	514
AC-12C12	AC-12C12SS	12.00x12.00x9.12	305x305x232	7.62	194	11.00	279	10.62	270	11.37	289	12.25	311	12.25	311
AC-12C16	AC-12C16SS	12.00x16.00x9.12	305x406x232	7.62	194	11.00	279	10.62	270	15.37	390	12.25	311	16.25	413
AC-12C20	AC-12C20SS	12.00x20.00x9.12	305x508x232	7.62	194	11.00	279	10.62	270	19.37	492	12.25	311	20.25	514
AC-12C24	AC-12C24SS	12.00x24.00x9.12	305x610x232	7.62	194	11.00	279	10.62	270	23.37	594	12.25	311	24.25	616
AC-16C16	AC-16C16SS	16.00x16.00x11.12	406x406x282	9.62	244	14.50	368	14.62	371	15.37	390	16.25	413	16.25	413
AC-16C20	AC-16C20SS	16.00x20.00x11.12	406x508x282	9.62	244	14.50	368	14.62	371	19.37	492	16.25	413	20.25	514
AC-16C24	AC-16C24SS	16.00x24.00x11.12	406x610x282	9.62	244	14.50	368	14.62	371	23.37	594	16.25	413	24.25	616
AC-16C30	AC-16C30SS	16.00x30.00x11.12	406x762x282	9.62	244	14.50	368	14.62	371	29.37	746	16.25	413	30.25	768
AC-16C36	AC-16C36SS	16.00x36.00x11.12	406x914x282	9.62	244	14.50	368	14.62	371	35.37	898	16.25	413	36.25	921
AC-20C20	AC-20C20SS	20.00x20.00x13.12	508x508x333	11.62	295	18.00	457	18.62	473	18.62	473	20.25	514	20.25	514
AC-20C24	AC-20C24SS	20.00x24.00x13.12	508x610x333	11.62	295	18.00	457	18.62	473	22.62	574	20.25	514	24.25	616
AC-20C30	AC-20C30SS	20.00x30.00x13.12	508x762x333	11.62	295	18.00	457	18.62	473	28.62	727	20.25	514	30.25	768

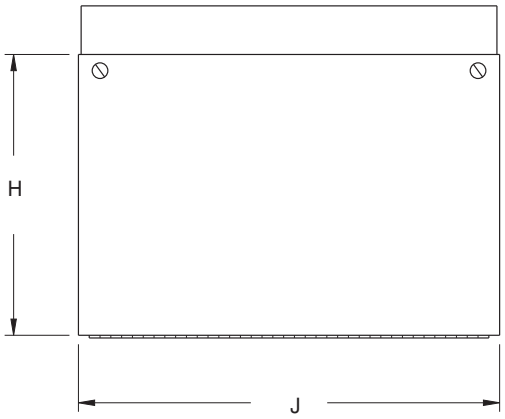


Typical Mounting Configurations

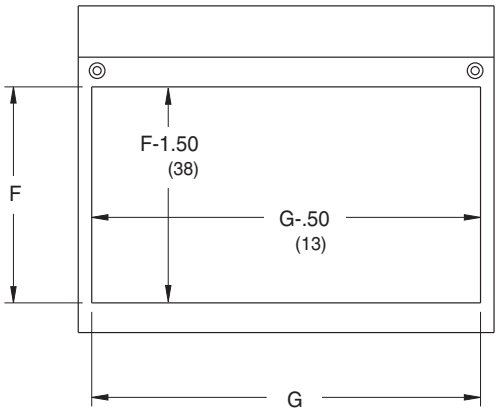
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Consolet Enclosures

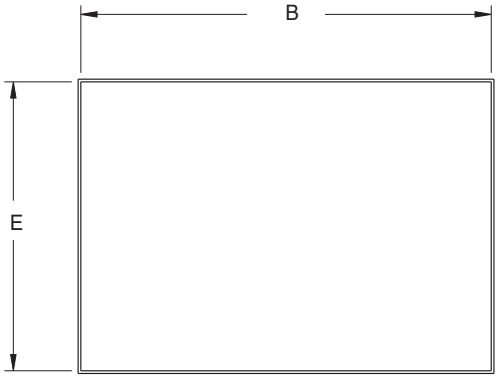
Illustration Sheet



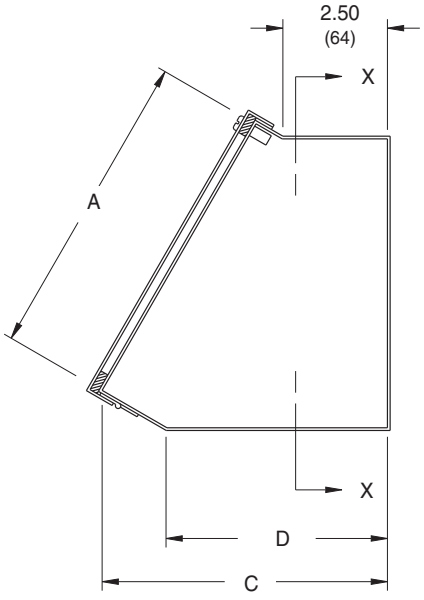
Front Cover View



Enclosure Opening View
(cover and hinge removed)



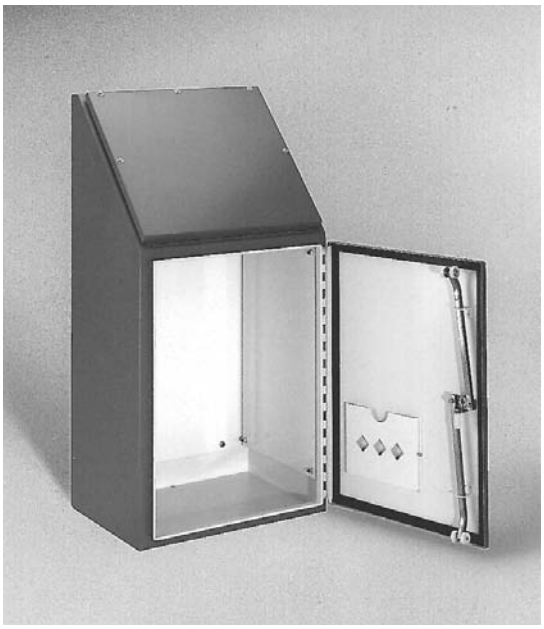
Section X-X



Side Section View

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Series AW-9 Consoles
Data Sheet



Application
- Houses electrical controls and instruments
- Designed with 45° angle top surface for pushbuttons, pilot lights, switches, or other monitoring devices
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards
- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12

Construction
- Console, panel cover and door are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Panel cover is secured to the body with a continuous hinge along the front side and captive screws which thread into sealed well nuts on the other three sides
- Cover stops allow the panel cover to be held in the open position
- Front access door is secured to the body with a heavy-duty continuous hinge on one side and a 3-pt locking handle which latches to the opposite side
- Print pocket provided
- Panel cover and front door have a fixed oil-resistant gasket
- .375-16 collar studs are provided on back and both side walls for mounting optional panel

Finish
- Wash and phosphate undercoat
- ANSI 61 gray polyester powder outside with a white polyester powder finish inside

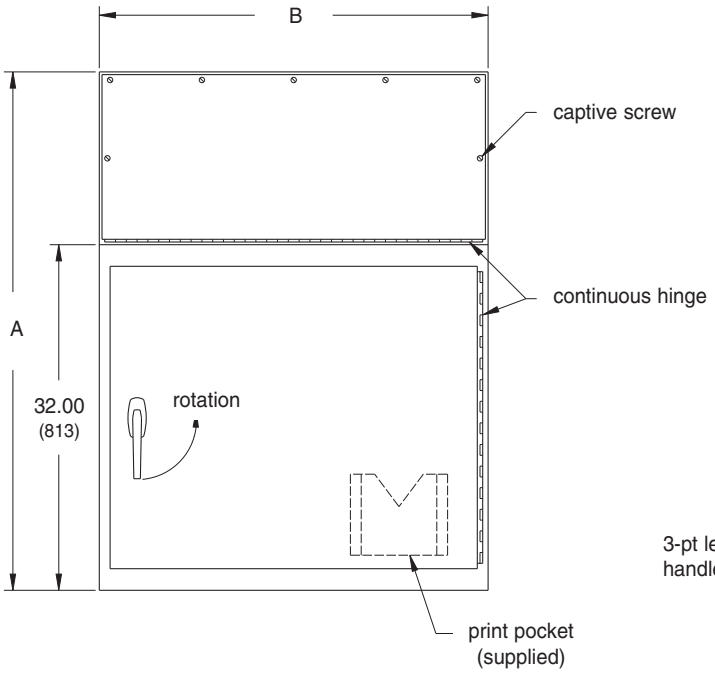
Accessories
- Panels
- NEMA treminal strap kit
- Terminal blocks
- Caster kit
- Touch-up paint
- See Accessories section

Consoles	Console Size Height x Width x Depth A x B x C		D		Back Panel	Panel Size Height x Width A x B		Side Panel	Panel Size Height x Width A x B	
Catalog Number	in.	mm	in.	mm	Catalog Number	in.	mm	Catalog Number	in.	mm
AC-924B	48.00x24.00x18.00	1219x610x457	15.25	387	AW3020P	26.87x16.87	682x428	AW3020P	26.87x16.87	682x428
AC-936B	48.00x36.00x18.00	1219x914x457	25.25	641	AW3030P	26.87x26.87	682x682	AW3020P	26.87x16.87	682x428

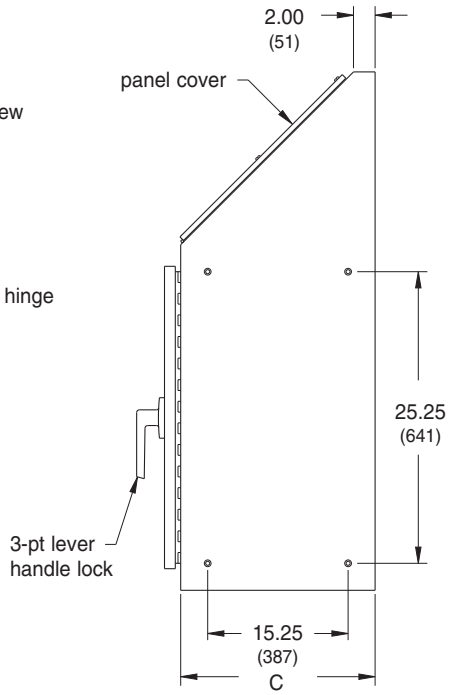
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Series AW-9 Consoles

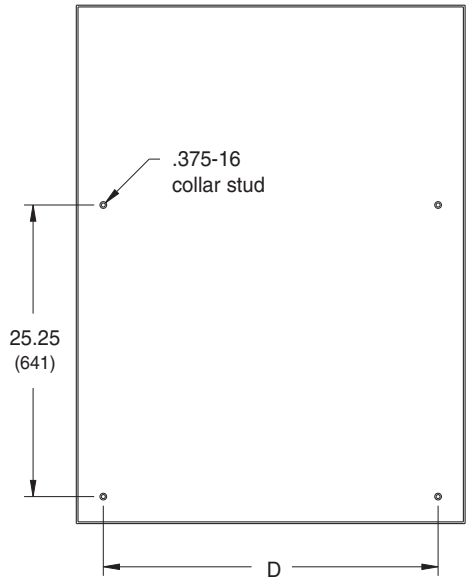
Illustration Sheet



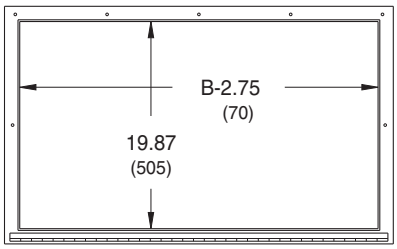
Front View



Side View



Front Section View

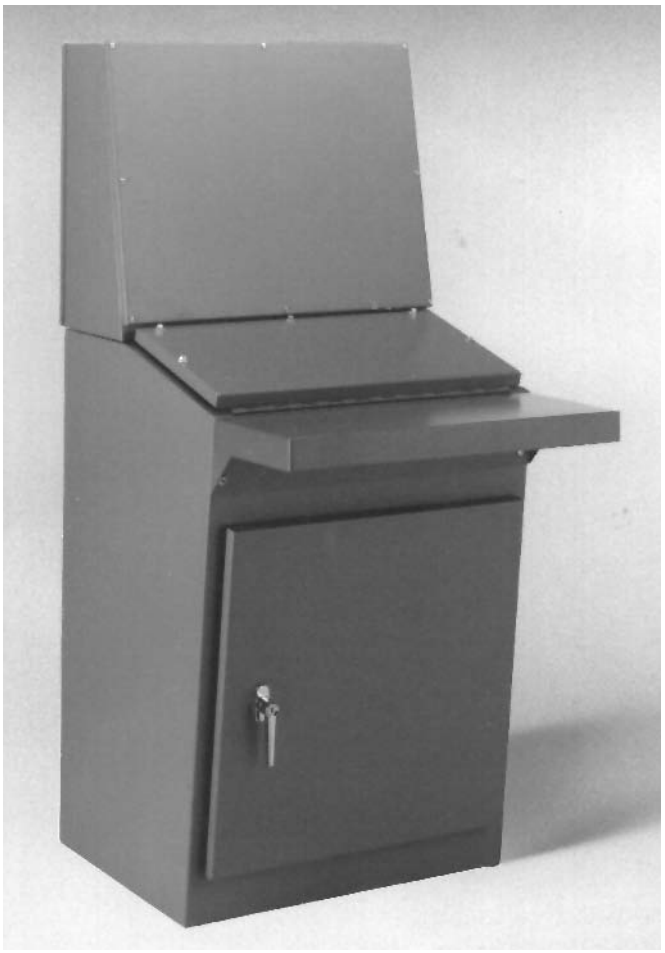


Panel Cover Opening
(Panel Cover Removed)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Series AW-12 Consoles

Data Sheet



Application

- Houses electrical controls and instruments
- Designed with an angled top and front surface for pushbuttons, pilot lights, switches or other monitoring devices
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 12 (unless noted)
- CSA C22.2 No.94 certified, Type 12, (unless noted)
- Conforms to NEMA standard for Type 12

Construction

- Console body, panel cover and door, top assembly and writing desk are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Panel cover is secured to the body with a continuous hinge along the front side and captive screws which thread into sealed well nuts on the other three sides
- Cover stops allow the panel cover to be held in the open position
- Consoles 36 inches wide or less have a single front access door with a heavy-duty continuous hinge on one side and 3-pt locking handle on the opposite side
- Consoles wider than 36 inches have double front access doors with heavy-duty continuous hinge and center locating 3-pt locking handle which closes right side door over left
- Single door console bodies have inclined channel for terminal block mounting, (see accessories)
- Print pocket provided
- Panel cover, front door and top assembly covers have a fixed oil-resistant gasket
- Removable panel mounted on .375-16 collar studs is located behind the console body door
- Optional top assembly has a front-mounted instrument panel cover and rear-mounted access panel cover
- Optional writing desk is available for convenient front mounting

Finish

- Wash and phosphate undercoat
- Console body has an ANSI 61 gray polyester powder outside with a white polyester powder finish inside
- Optional top assembly and writing desk have an ANSI 61 gray polyester powder finish
- Panels have a white enamel finish

Accessories

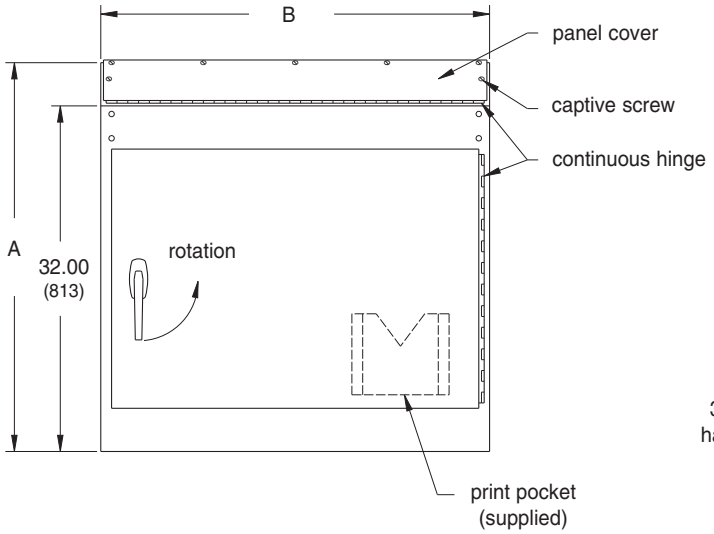
- Terminal blocks
- Caster kit
- Touch-up paint
- See Accessories section

Console Body	Console Body Size Height x Width x Depth A x B x C		Panel Size Height x Width		Top Assembly Optional	Writing Desk Optional
Catalog Number	in.	mm	in.	mm	Catalog Number	Catalog Number
AC-1224B	36.00x24.00x24.00	914x610x610	26.87x16.87	682x428	AC-1224T	AC-1224W
AC-1236B	36.00x36.00x24.00	914x914x610	26.87x26.87	682x682	AC-1236T	AC-1236W
AC-1248B	36.00x48.00x24.00	914x1219x610	26.87x38.87	682x987	AC-1248T	AC-1248W

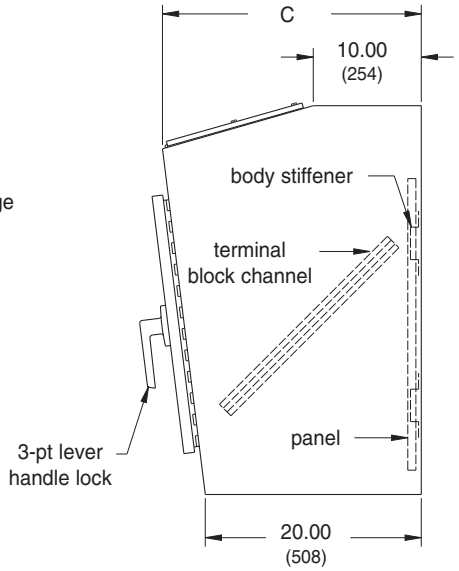
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Series AW-12 Consoles

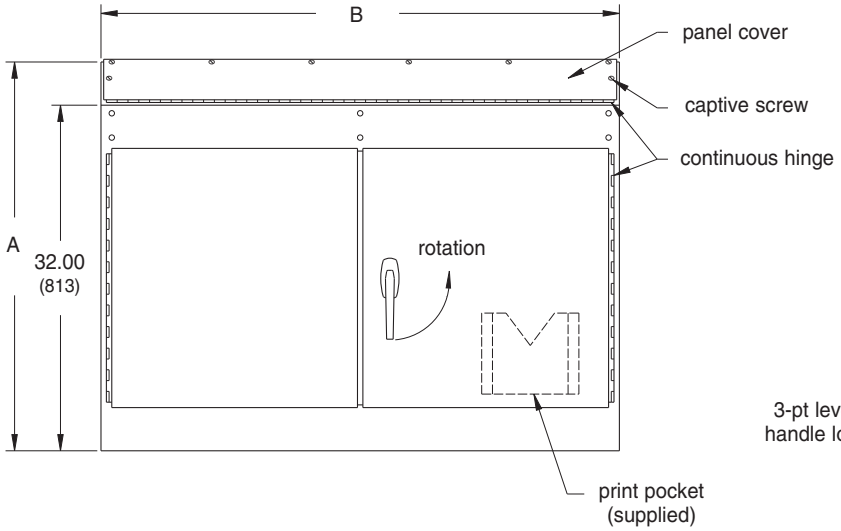
Illustration Sheet



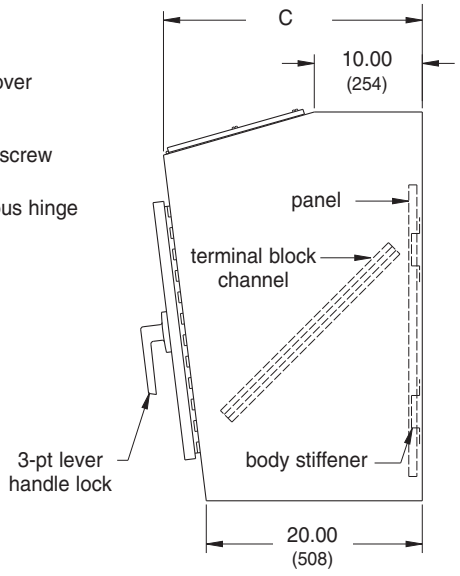
Console Body Front View
(24 inch & 36 inch wide body)



Side View



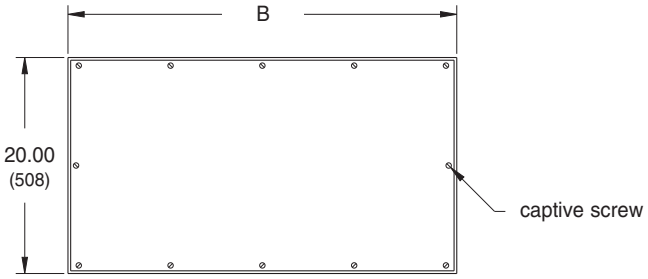
Console Body Front View
(48 inch wide body)



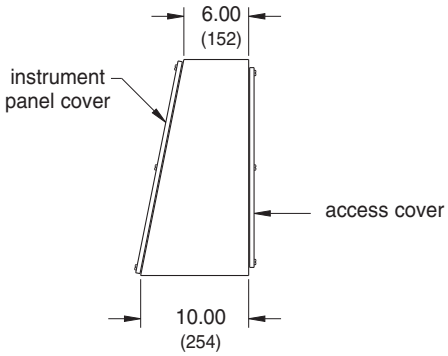
Side View

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

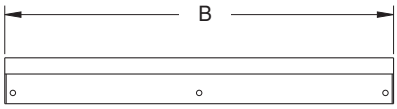
Series AW-12 Consoles
Illustration Sheet



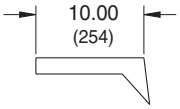
Top Assembly Front View



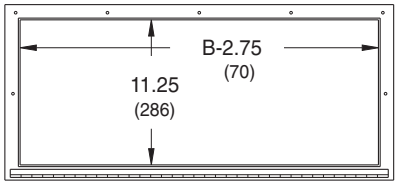
Side View



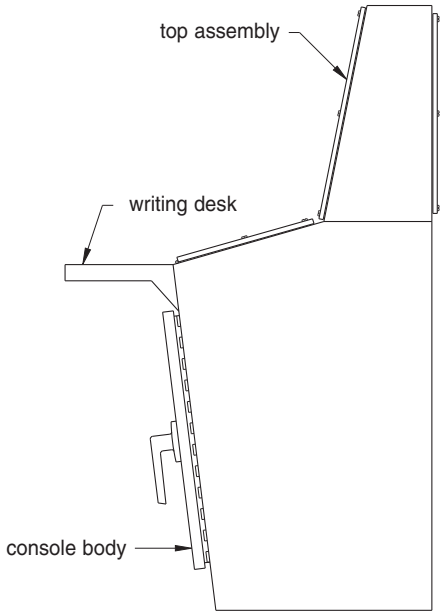
Writing Desk Front View
(*not UL or CSA listed)



Side View



Panel Cover Opening
(panel cover removed)

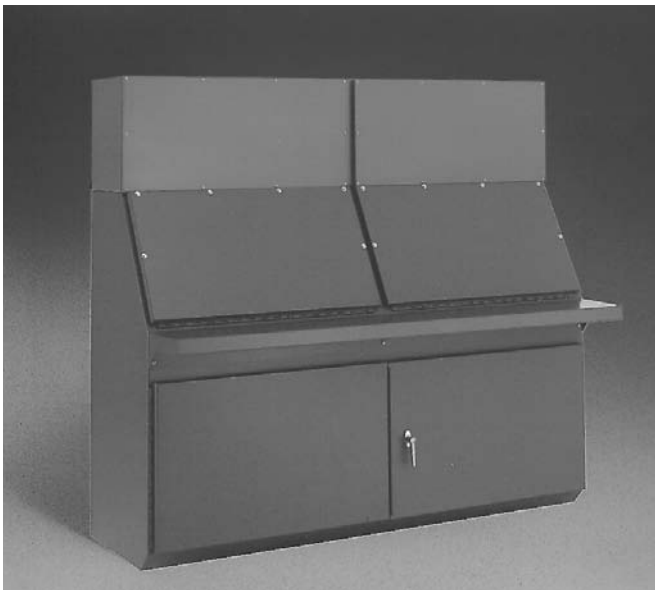


Typical Assembly

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Series AW-14 Consoles

Data Sheet



Application

- Houses electrical controls and instruments
- Designed with a 60° angle top surface for pushbuttons, pilot lights, switches or other monitoring devices
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 12, (unless noted)
- CSA C22.2 No.94 certified, Type 12, (unless noted)
- Conforms to NEMA standard for Type 12

Construction

- Console body, panel cover and door, top assembly and writing desk are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Panel cover is secured to the body with a continuous hinge along the front side and captive screws which thread into sealed well nuts on the other three sides
- Cover stops allow the panel cover to be held in the open position
- Consoles 36 inches wide or less have a single front and rear access door with a heavy-duty continuous hinge on one side and a 3-pt locking handle on the opposite side
- Consoles wider than 36 inches have double front and rear access doors with a heavy-duty continuous hinge and a center locating 3-pt locking handle which closes right side door over left
- Mounting channels are welded inside for locating panel along console depth
- Front door has a print pocket
- Panel cover, front door and top assembly covers have fixed oil-resistant gaskets
- A variety of optional panel and terminal strap mounting, (see accessories)
- Optional top assembly has front mounted instrument panel cover(s) and rear mounted access panel cover(s)
- An optional writing desk is available with convenient front mounting

Finish

- Wash and phosphate undercoat
- Console body has an ANSI 61 gray polyester powder outside with a white polyester powder finish inside
- Optional top assembly and writing desk have an ANSI 61 gray polyester powder finish

Accessories

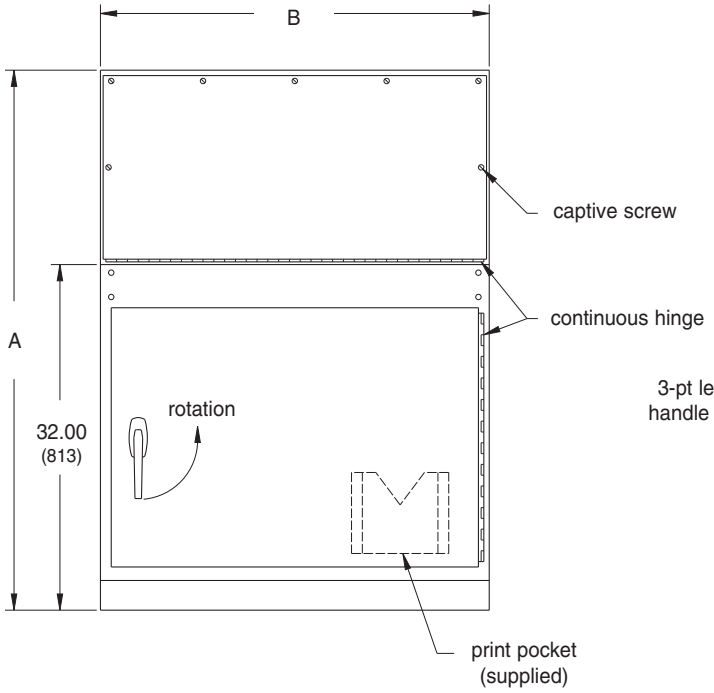
- NEMA terminal strap kit
- Terminal blocks
- Swing panels
- Full and half panels
- Channel mounting hardware
- Caster kit
- Touch-up paint
- See Accessories section

Console Body	Console Body Size Height x Width x Depth A x B x C		Top Assembly Optional	Writing Desk Optional
Catalog Number	in.	mm	Catalog Number	Catalog Number
AC-1424B	50.00x24.00x23.00	1270x610x584	**AC-1424T**	**AC-1424W**
AC-1436B	50.00x36.00x23.00	1270x914x584	**AC-1436T**	**AC-1436W**
AC-1448B	50.00x48.00x23.00	1270x1219x584	**AC-1448T**	**AC-1448W**
AC-1460B	50.00x60.00x23.00	1270x1524x584	**AC-1460T**	**AC-1460W**
AC-1472B	50.00x72.00x23.00	1270x1829x584	**AC-1472T**	**AC-1472W**

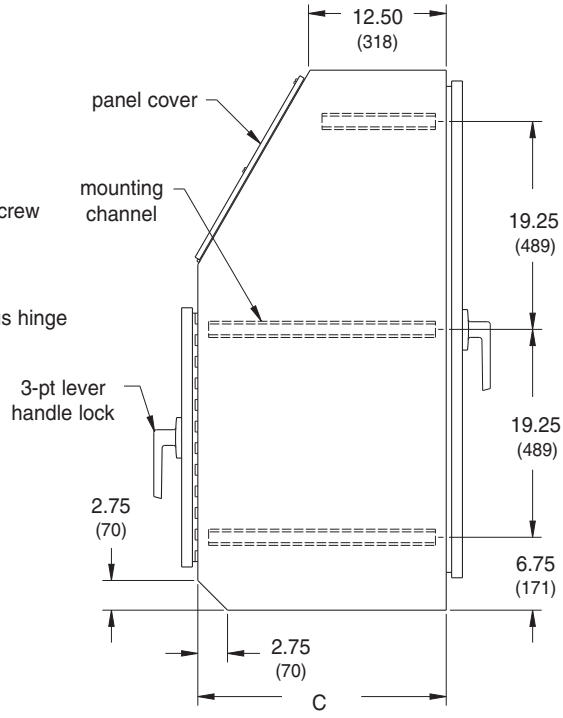
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Series AW-14 Consoles

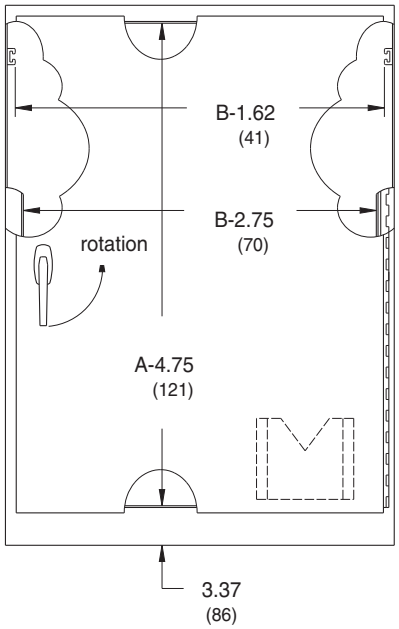
Illustration Sheet



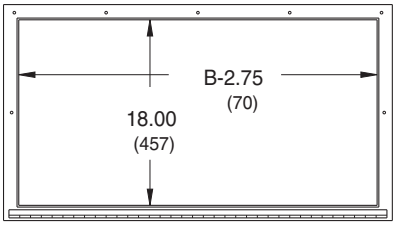
Console Body Front View
(24 inch & 36 inch wide body)



Side View



Console Body Rear View

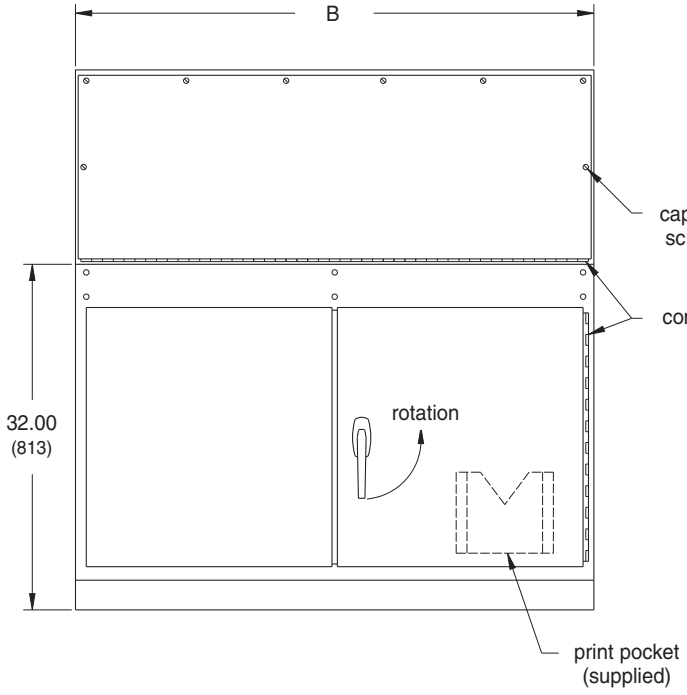


Panel Cover Opening
(panel cover removed)

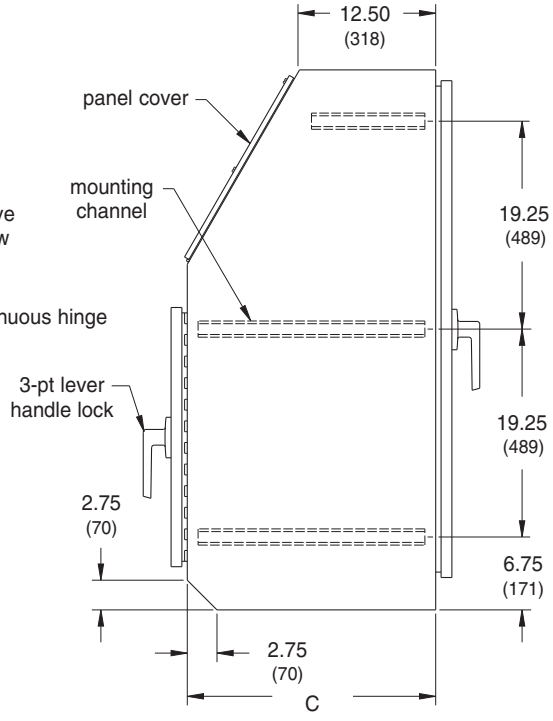
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Series AW-14 Consoles

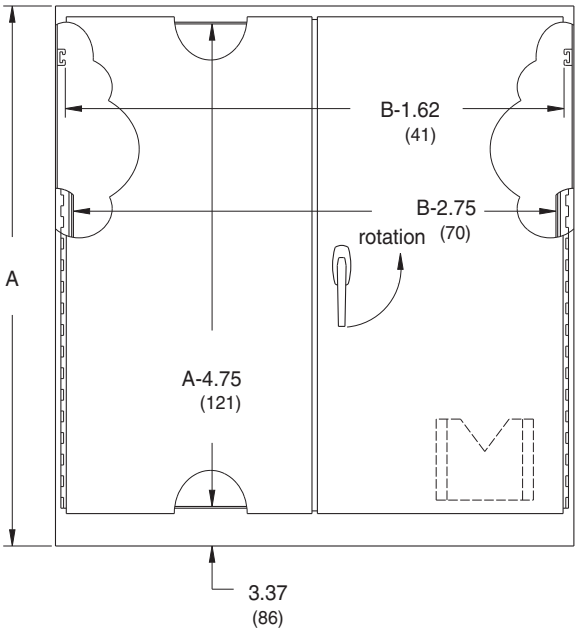
Illustration Sheet



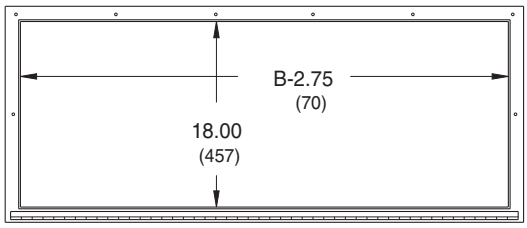
Console Body Front View
(48 inch wide body)



Side View



Console Body Rear View

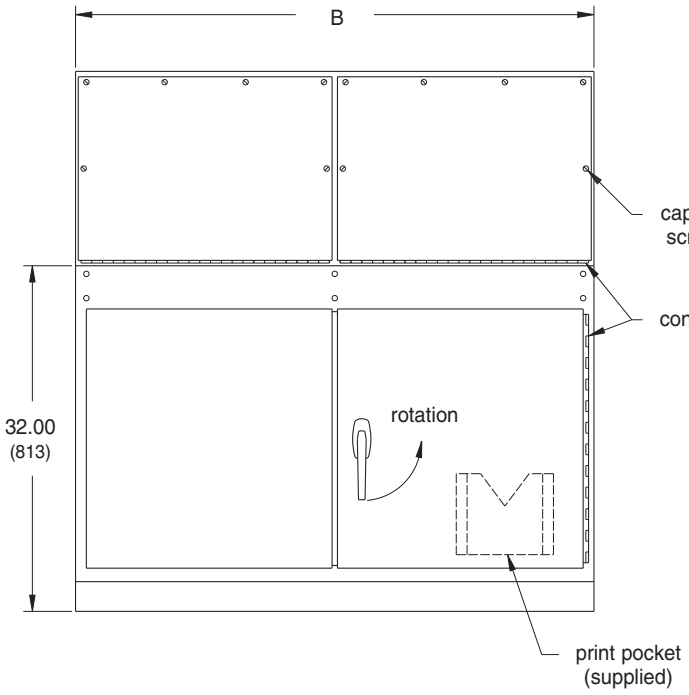


Panel Cover Opening
(panel cover removed)

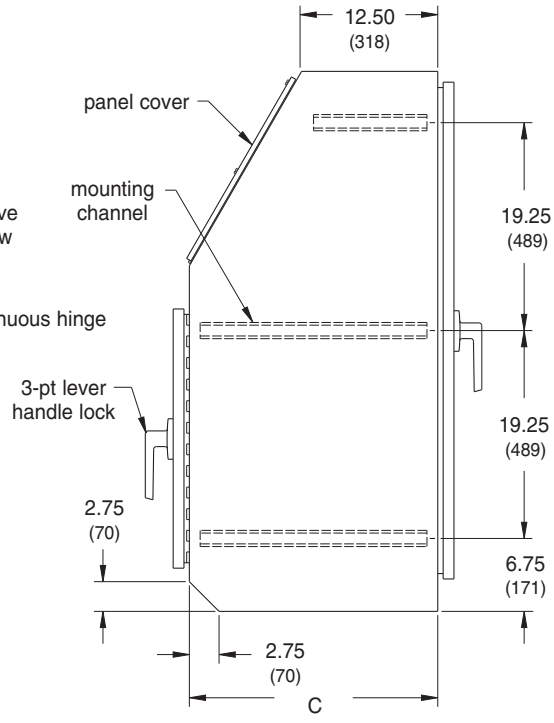
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Series AW-14 Consoles

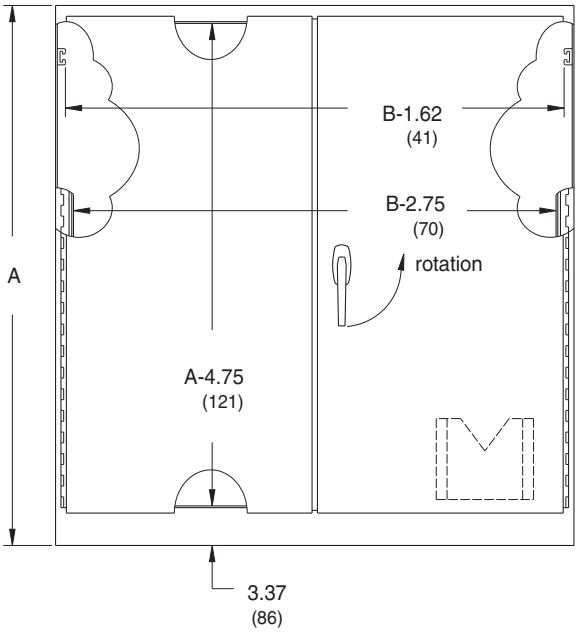
Illustration Sheet



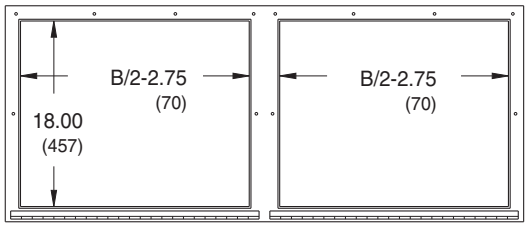
Console Body Front View
(60 inch & 70 inch wide body)



Side View



Console Body Rear View

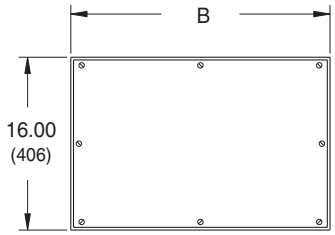


Panel Cover Opening
(panel cover removed)

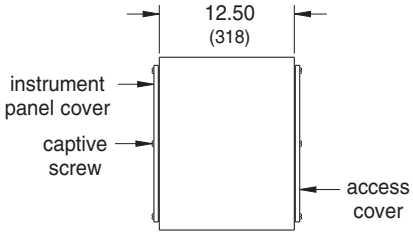
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Series AW-14 Consoles

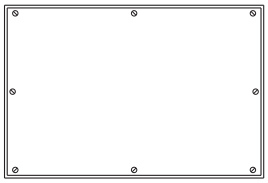
Illustration Sheet



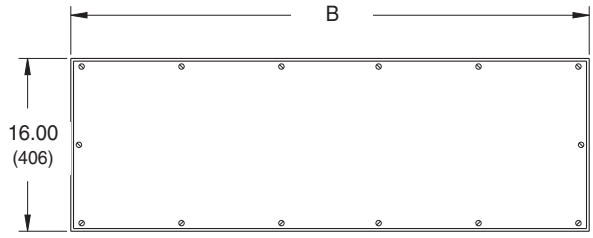
Top Assy Front View
(24 inch (610 mm) & 36 inch (914 mm) wide body)



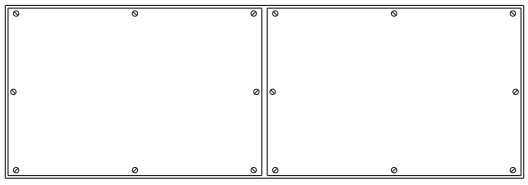
Side View
(typical all top assy)



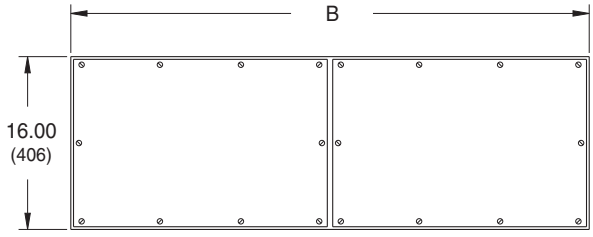
Top Assy Rear View
(24 inch (610 mm) & 36 inch (914 mm) wide body)



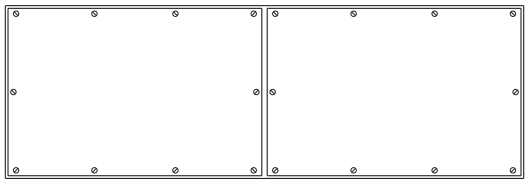
Top Assy Front View
(48 inch (1219 mm) wide body)



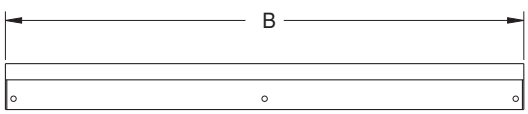
Top Assy Rear View
(48 inch (1219 mm) wide body)



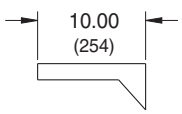
Top Assy Front View
(60 inch (1524 mm) & 72 inch (1829 mm) wide body)



Top Assy Rear View
(60 inch (1524 mm) & 72 inch (1829 mm) wide body)



Writing Desk Front View
(* not UL or CSA listed)



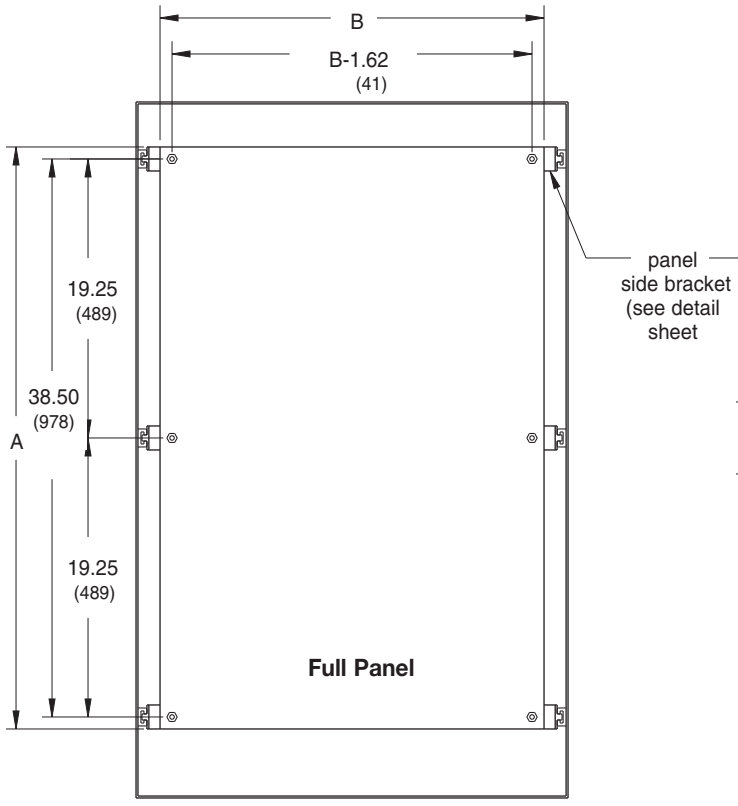
Side View

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

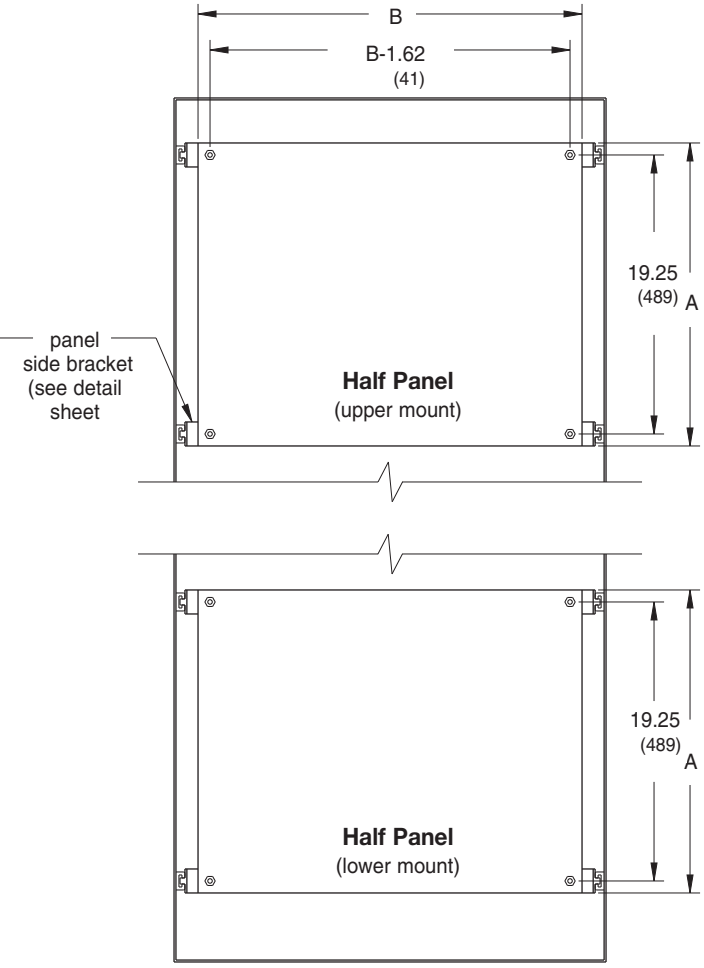
Series AW-14 Consoles
Full and Half Panel Accessories
Catalog Number

Full Panel			
Panel	Panel Size Height x Width A x B		Fits Console Body
Catalog Number	in.	mm	Catalog Number
AC-1424P	40.12x19.87	1019x505	AC-1424B
AC-1436P	40.12x31.87	1019x809	AC-1436B
AC-1448P	40.12x43.87	1019x1114	AC-1448B
AC-1460P	40.12x55.87	1019x1419	AC-1460B
AC-1472P	40.12x67.87	1019x1724	AC-1472B

Half Panel			
Panel	Panel Size Height x Width A x B		Fits Console Body
Catalog Number	in.	mm	Catalog Number
AC-1424HP	20.87x19.87	530x505	AC-1424B
AC-1436HP	20.87x31.87	530x809	AC-1436B
AC-1448HP	20.87x43.87	530x1114	AC-1448B
AC-1460HP	20.87x55.87	530x1419	AC-1460B



Full Panel Mounting



Half Panel Mounting

Full Panel and Half Panel for Consoles are (12) gauge steel and furnished with Panel Brackets and all hardware necessary for channel and panel mounting. Half Panels can be mounted in either the upper or lower portion of the console. Console body design permits the panel to adjust along the depth of the enclosure. Full Panel and Half Panel can be mounted back-to-back.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

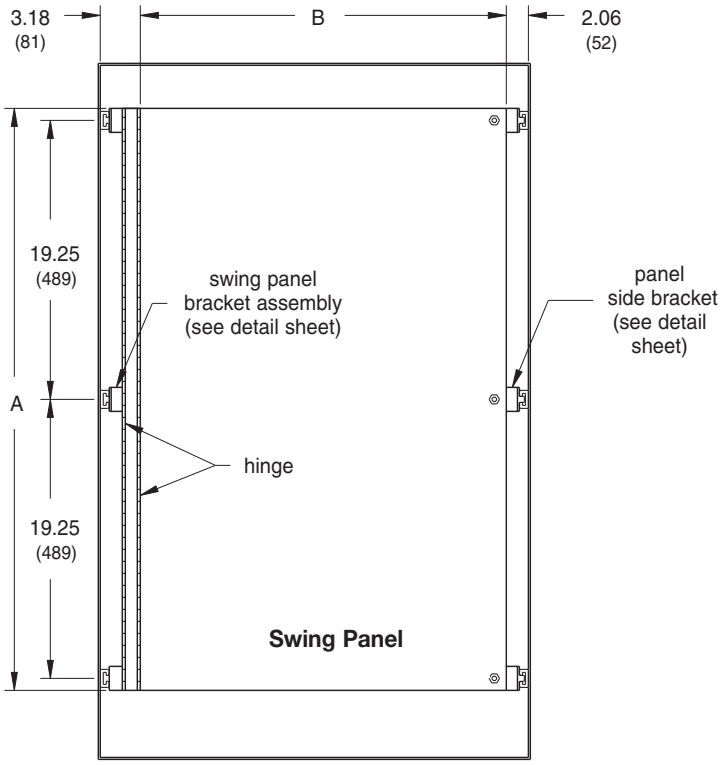
Series AW-14 Consoles

Swing Panel and Terminal Strap and Accessories

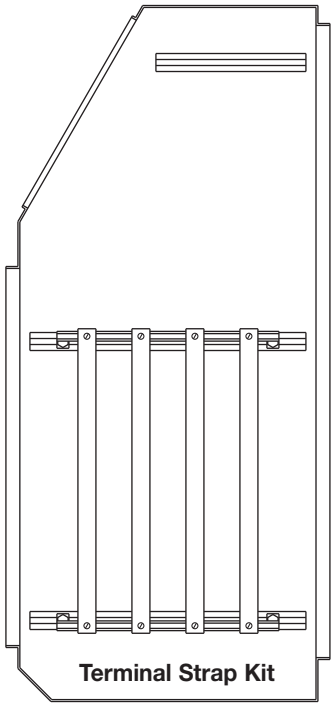
Catalog Number

Swing Panel			
Panel	Panel Size Height x Width A x B		Fits Console Body
Catalog Number	in.	mm	Catalog Number
AC-1424SWP	40.12x18.75	1019x476	**AC-1424B**
AC-1436SWP	40.12x30.75	1019x781	**AC-1436B**

Terminal Strap Kit		
Panel Catalog Number	Quantity of Straps	Fits Console Body Catalog Number
24TS20	4	All **AW-14 Series**
24TS24	5	All **AW-14 Series**



Swing Panel Mounting



Terminal Strap Mounting

Swing Panel Mounting

Swing Panel for Consoles are (12) gauge steel, have a dual hinge swing panel bracket and are furnished with Panel Brackets and all hardware necessary for channel and panel mounting. Panels can be installed such that they hinge either on the left side or right side. Console body design permits the panel to adjust along the depth of the enclosure. The dual hinge allows the inner panel to swing completely out of the rear opening when within 5.50 inches. Panel and Swing Panel can be mounted back- to-back.

Terminal Strap Mounting

Terminal Strap Kits assemble conveniently to the channel on either side of the Console body. Channel Mounting Hardware should be purchased separately for installation. Full length straps are furnished with adequate space for the users' terminal blocks or terminal blocks and extra straps can be purchased separately (see detail sheet and the Accessories section).

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Miscellaneous Console Accessories

Detail Sheet

Catalog Number	Description	Fits Console Body	Illustration	Quantity
AFSBRKT1	Panel mounting bracket	**AW-14 Series**	1	1
AFCMH3	Channel mounting hardware	**AW-14 Series**	2	3
FTB3005	#18-#8 medium-duty flat base terminal block	**AW-14 Series**	3	1
FTE3001	Medium-duty flat base terminal block end	**AW-14 Series**	3	1
CTB3005	#18-#8 medium-duty channel terminal block	**AW-12 Series**	4	1
CTE3001	Medium-duty channel terminal block end	**AW-12 Series**	4	1
FT6005	#18-#4 heavy-duty flat base terminal block	**AW-14 Series**	3	1
FE6001	Heavy-duty flat base terminal block end	**AW-14 Series**	3	1
CT6005	#18-#4 heavy-duty channel terminal block	**AW-12 Series**	4	1
CE6001	Heavy-duty channel terminal block end	**AW-12 Series**	4	1
CTC2	Channel clamp	**AW-12 Series**	4	1
25012A	Channel Strip (72 inch)	**AW-12 Series**	-	1

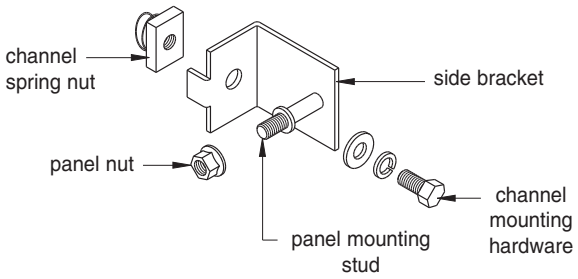


Illustration 1

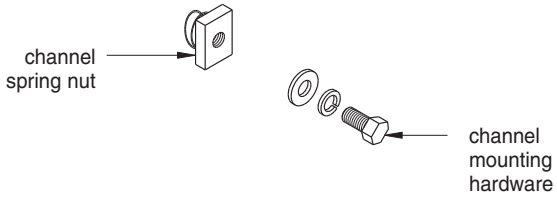
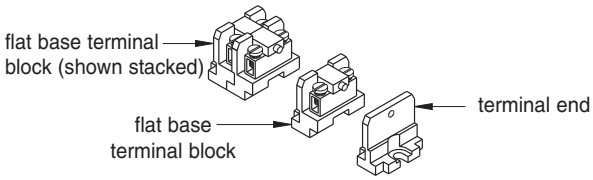
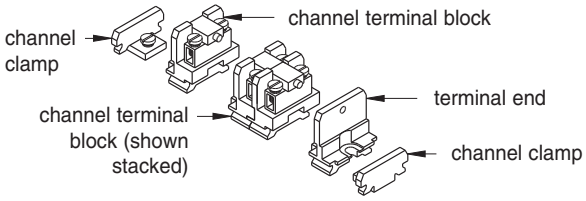


Illustration 2



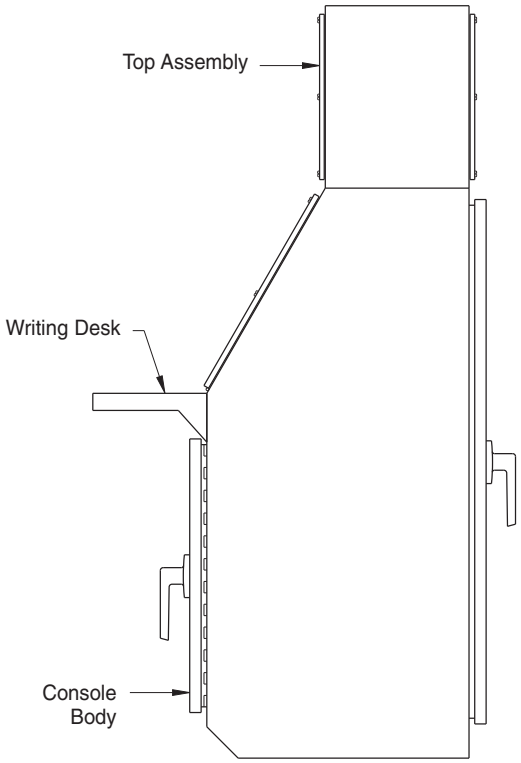
Individual terminal block and terminal end only. Heavy and Medium-duty blocks can be stacked to any length. When stocked, each block is approximately .43 or .56 inches long, depending on which block is used. For detail and specific quantity packages, refer to the Accessories section.

Illustration 3



Individual terminal block, end, and clamps only. Heavy and Medium-duty blocks can be stacked to any length. When stocked, each block is approximately .43 or .56 inches long, depending on which block is used. For detail and specific quantity packages, refer to the Accessories section.

Illustration 4

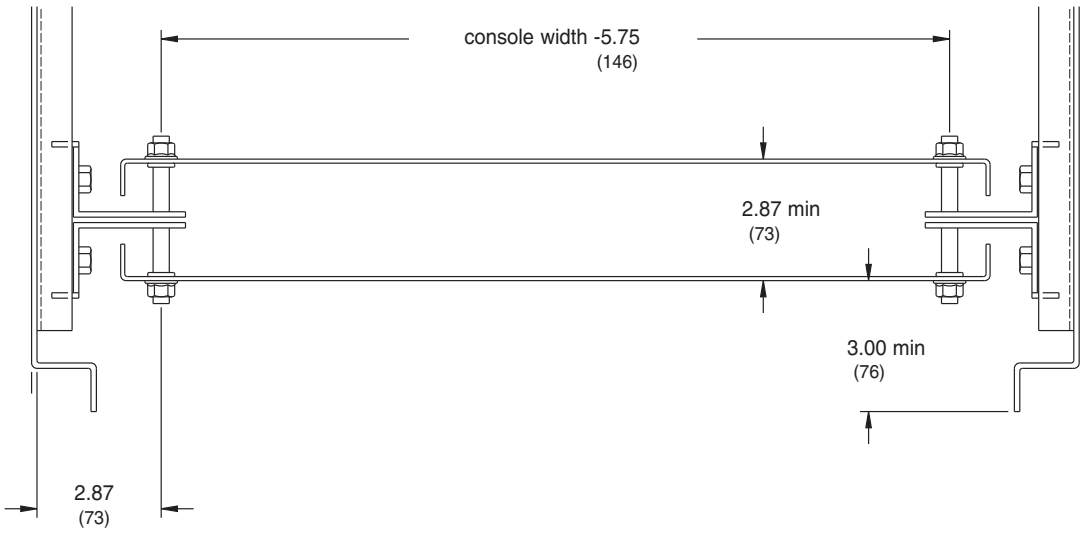


Typical Assembly

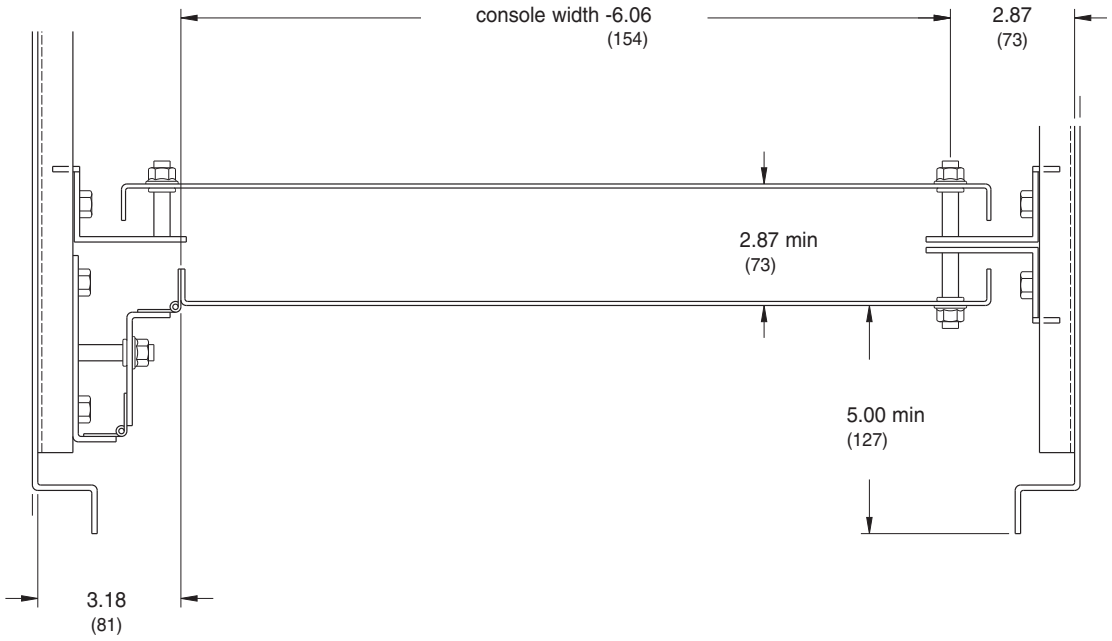
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Series AW-14 Console Panel and Console Detail

Detail Sheet



Console Rear Access Door
(section view showing full and half panel mounted back-to-back)



Console Rear Access Door
(section view showing swing panel and half panel mounted back-to-back)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

ACCESSORIES

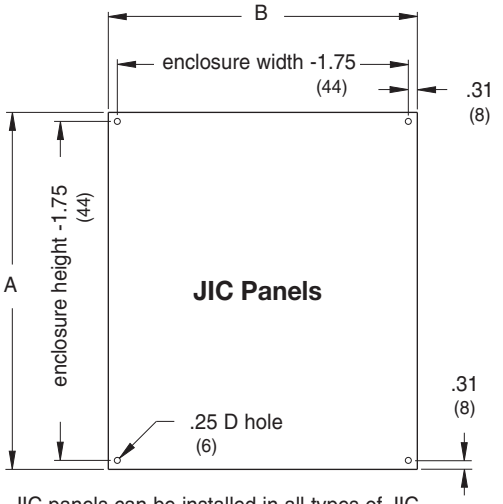
Accessories 346

JIC & Small Enclosure Panels

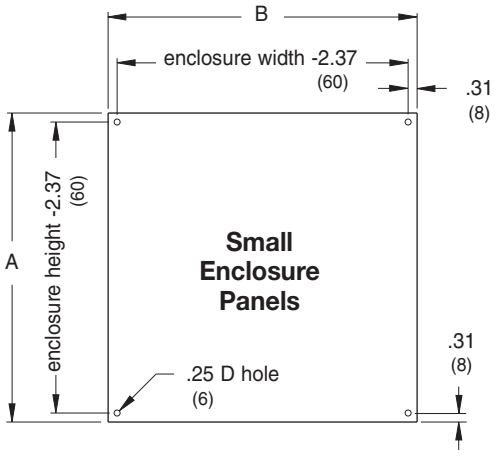
Accessories

JIC Flat Panel Catalog Number				A		B		Gauge	Fits Enclosure Height x Width	
Painted Steel	Galvanized Steel	Stainless	Aluminum	in.	mm	in.	mm		in.	mm
AW64P	AW64GP	AW64SP	AW64AP	4.87	124	2.87	73	14	6.00x4.00	152x102
AW66P	AW66GP	AW66SP	AW66AP	4.87	124	4.87	124	14	6.00x6.00	152x152
AW86P	AW86GP	AW86SP	AW86AP	6.87	174	4.87	124	14	8.00x6.00	203x152
AW88P	AW88GP	AW88SP	AW88AP	6.87	174	6.87	174	14	8.00x8.00	203x203
AW108P	AW108GP	AW108SP	AW108AP	8.87	225	6.87	174	14	10.00x8.00	254x203
AW1010P	AW1010GP	AW1010SP	AW1010AP	8.87	225	8.87	225	14	10.00x10.00	254x254
AW126P	-	-	-	10.87	276	4.87	124	14	12.00x6.00	305x152
AW1210P	AW1210GP	AW1210SP	AW1210AP	10.87	276	8.87	225	14	12.00x10.00	305x254
AW1212P	AW1212GP	AW1212SP	AW1212AP	10.87	276	10.87	276	14	12.00x12.00	305x305
AW148P	-	-	-	12.87	327	6.87	174	14	14.00x8.00	356x203
AW1412P	AW1412GP	AW1412SP	AW1412AP	12.87	327	10.87	276	14	14.00x12.00	356x305
AW1610P	-	-	-	14.87	378	8.87	225	14	16.00x10.00	406x254
AW1614P	AW1614GP	AW1614SP	AW1614AP	14.87	378	12.87	327	14	16.00x14.00	406x356

Small Enclosure Flat Panel Catalog Number	A		B		Gauge	Fits Enclosure Height x Width	
	in.	mm	in.	mm		in.	mm
N66P	4.25	108	4.25	108	14	6.00x6.00	152x152
N86P	6.25	159	4.25	108	14	8.00x6.00	203x152
N88P	6.25	159	6.25	159	14	8.00x8.00	203x203
N108P	8.25	210	6.25	159	14	10.00x8.00	254x203
N1010P	8.25	210	8.25	210	14	10.00x10.00	254x254
N1210P	10.25	260	8.25	210	14	12.00x10.00	305x254
N1212P	10.25	260	10.25	260	14	12.00x12.00	305x305
N1412P	12.25	360	10.25	260	14	14.00x12.00	356x305
N2012P	18.25	463	10.25	260	14	20.00x12.00	508x305



JIC panels can be installed in all types of JIC Enclosures. Some sizes will fit the NEMA 12 Lay-In Wireway Junction Box. Panels are available in steel, galvanized steel, stainless and aluminum. Painted steel panels have a white powder finish. Stainless steel and aluminum panels have a smooth brushed finish on one side and protected with PVC film.



Small Enclosure panels can be installed in Small Type 3R RHC and Small Type 1 Enclosures. Panels are only available in steel, and have a white powder finish.

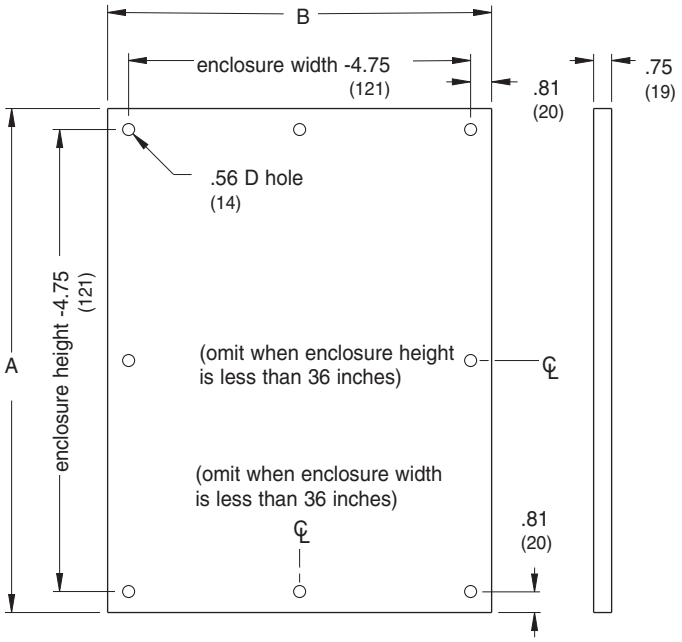
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

RHC Panels
Accessories

Flat Panel Catalog Number	A in.	A mm	B in.	B mm	Gauge	Fits Enclosure Height x Width in.	Fits Enclosure Height x Width mm
N1612P	13.00	330	9.00	229	12	16.00x12.00	406x305
N1616P	13.00	330	13.00	330	12	16.00x16.00	406x406
N1818P	15.00	381	15.00	381	12	18.00x18.00	457x457
N2016P	17.00	432	13.00	330	12	20.00x16.00	508x406
N2020P	17.00	432	17.00	432	12	20.00x20.00	508x508

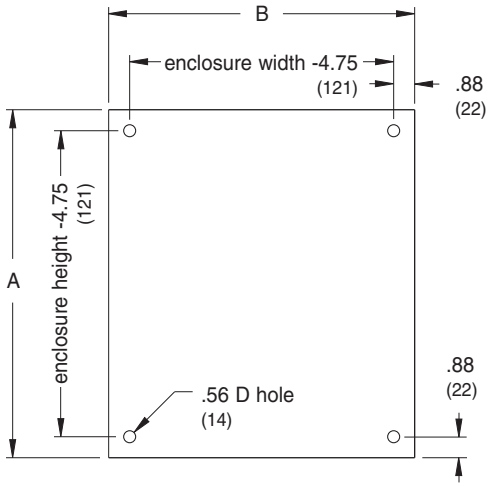
Flanged Panel Catalog Number	A in.	A mm	B in.	B mm	Gauge	Fits Enclosure Height x Width in.	Fits Enclosure Height x Width mm
N2420P	20.87	530	16.87	428	12	24.00x20.00	610x508
N2424P	20.87	530	20.87	530	12	24.00x24.00	610x610
N3024P	26.87	682	20.87	530	12	30.00x24.00	762x610
N3624P	32.87	835	20.87	530	12	36.00x24.00	914x610
N3030P	26.87	682	26.87	682	12	30.00x30.00	762x762
N3630P	32.87	835	26.87	682	12	36.00*x30.00*	914x762
N4230P	38.87	987	26.87	682	12	42.00*x30.00*	1067x762
N4830P	44.87	1140	26.87	682	12	48.00*x30.00*	1219x762
N3636P	32.87	835	32.87	835	12	36.00x36.00	914x914
N4236P	38.87	987	32.87	835	12	42.00*x36.00*	1067x914
N4836P	44.87	1140	32.87	835	12	48.00*x36.00*	1219x914
N6036P	56.87	1444	32.87	835	12	60.00x36.00	1524x914

* Panel also fits these enclosures when height and width dimensions are reversed.



RHC Flanged Panels can be installed in Large Type 3R RHC Enclosures. Panels are only available in steel and have a white powder paint finish.

RHC Flanged Panels



RHC Flat Panels can be installed in Large Type 3R RHC Enclosures. Panels are only available in steel and have a white powder paint finish.

RHC Flat Panels

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

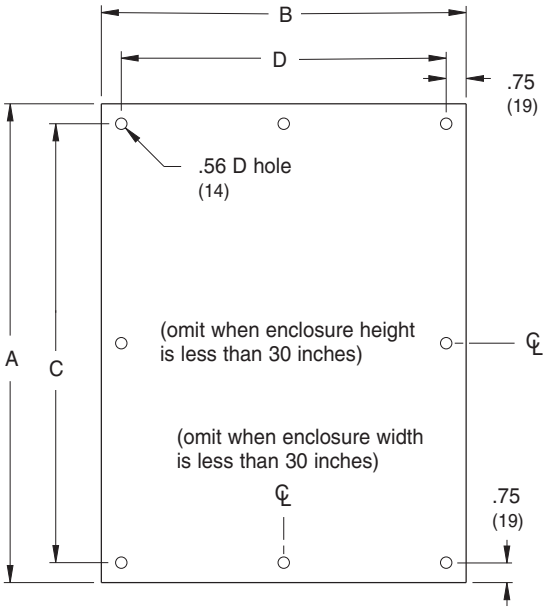
Type 1 Medium Enclosure & NEMA Flat Panels

Accessories

Type 1 Medium Enclosure Flat Panel Catalog Number	A		B		C		D		Gauge	Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm
AW1612-1P	13.00	330	10.50	267	11.50	292	9.00	228	14	16.00x12.00	406X305
AW1616-1P	13.00	330	14.50	368	11.50	292	13.00	330	14	16.00x16.00	406X406
AW1620-1P	13.00	330	18.50	470	11.50	292	17.00	432	14	16.00x20.00	406X508
AW2016-1P	17.00	432	14.50	368	15.50	394	13.00	330	14	20.00x16.00	508X406
AW2020-1P	17.00	432	18.50	470	15.50	394	17.00	432	14	20.00x20.00	508X508
AW2024-1P	17.00	432	22.50	572	15.50	394	21.00	533	14	20.00x24.00	508X610
AW2416-1P	21.00	533	14.50	368	19.50	495	13.00	330	14	24.00x16.00	610X406
AW2420-1P	21.00	533	18.50	470	19.50	495	17.00	432	14	24.00x20.00	610X508
AW2424-1P	21.00	533	22.50	572	19.50	495	21.00	533	14	24.00x24.00	610X610
AW3020-1P	26.00	660	18.50	470	24.50	622	17.00	432	14	30.00x20.00	762X508
AW3024-1P	26.00	660	22.50	572	24.50	622	21.00	533	14	30.00x24.00	762X610
AW3030-1P	26.00	660	28.50	724	24.50	622	27.00	686	14	30.00x30.00	762X762
AW3624-1P	32.00	813	22.50	572	30.50	775	21.00	533	14	36.00x24.00	914X610
AW3630-1P	32.00	813	28.50	724	30.50	775	27.00	686	14	36.00x30.00	914X762
AW4224-1P	38.00	965	22.50	572	36.50	927	21.00	533	14	42.00x24.00	1067X610

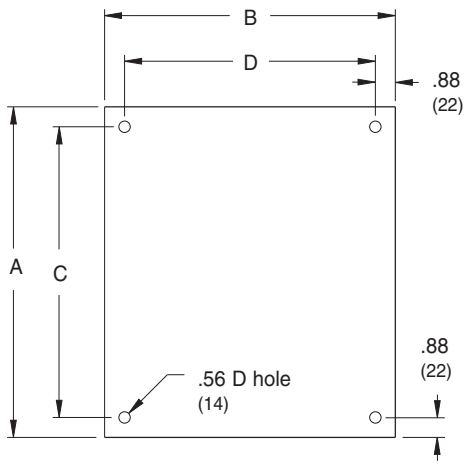
NEMA Flat Panel Catalog Number				A		B		C		D		Gauge	Fits Enclosure Height x Width	
Painted Steel	Galvanized Steel	Stainless	Aluminum	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm
AW1612P	AW1612GP	AW1612SP	AW1612AP	13.00	330	9.00	229	11.25	286	7.25	184	12	16.00x12.00	406x305
AW1616P	AW1616GP	AW1616SP	AW1616AP	13.00	330	13.00	330	11.25	286	11.25	286	12	16.00x16.00	406x406
AW2012P	-	-	-	17.00	432	9.00	229	15.25	387	7.25	184	12	20.00x12.00	508x305
AW2016P	AW2016GP	AW2016SP	AW2016AP	17.00	432	13.00	330	15.25	387	11.25	286	12	20.00*x16.00*	508x406
AW2020P	AW2020GP	AW2020SP	AW2020AP	17.00	432	17.00	432	15.25	387	15.25	387	12	20.00x20.00	508x508
AW2412P	-	AW2412SP	-	21.00	533	9.00	229	19.25	489	7.25	184	12	24.00*x12.00*	610x305
AW2416P	AW2416GP	AW2416SP	AW2416AP	21.00	533	13.00	330	19.25	489	11.25	286	12	24.00x16.00	610x406

* Panel also fits these enclosures when height and width dimensions are reversed.



Type 1 medium enclosure panels can be installed in Type 1 Medium Panel Enclosures. Panels are only available in steel and have a white powder paint finish.

Type 1 Medium Enclosure Panels



NEMA flat panels can be installed in Type 4X, Type 4 and Type 12 NEMA Enclosures. Panels are available in steel, galvanized steel, stainless steel, and aluminum. Painted steel panels have a white powder paint finish. Stainless steel and aluminum panels have a smooth brushed finish on one side and protected with PVC film.

NEMA Flat Panels

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

JIC & Small Enclosure Perforated Panels

Accessories

JIC Flat Perforated Panel Catalog Number	A in.	A mm	B in.	B mm	Gauge	Fits Enclosure Height x Width in.	Fits Enclosure Height x Width mm
AW64PP	4.87	124	2.87	73	16	6.00x4.00	152x102
AW66PP	4.87	124	4.87	124	16	6.00x6.00	152x152
AW86PP	6.87	174	4.87	124	16	8.00x6.00	203x152
AW88PP	6.87	174	6.87	174	16	8.00x8.00	203x203
AW108PP	8.87	225	6.87	174	16	10.00x8.00	254x203
AW1010PP	8.87	225	8.87	225	16	10.00x10.00	254x254
AW126PP	10.87	276	4.87	124	16	12.00x6.00	305x152
AW1210PP	10.87	276	8.87	225	16	12.00x10.00	305x254
AW1212PP	10.87	276	10.87	276	16	12.00x12.00	305x305
AW148PP	12.87	327	6.87	174	16	14.00x8.00	356x203
AW1412PP	12.87	327	10.87	276	16	14.00x12.00	356x305
AW1610PP	14.87	378	8.87	225	16	16.00x10.00	406x254
AW1614PP	14.87	378	12.87	327	16	16.00x14.00	406x356

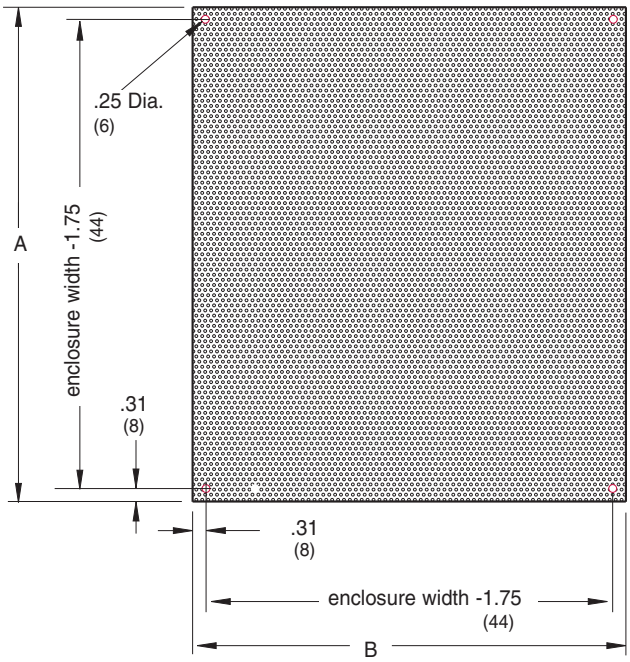
Panels are only available in steel and have a white powder paint finish.

Small Enclosure Flat Perforated Panel Catalog Number	A in.	A mm	B in.	B mm	Gauge	Fits Enclosure Height x Width in.	Fits Enclosure Height x Width mm
N66PP	4.25	108	4.25	108	16	6.00x6.00	152x152
N86PP	6.25	159	4.25	108	16	8.00x6.00	203x152
N88PP	6.25	159	6.25	159	16	8.00x8.00	203x203
N108PP	8.25	210	6.25	159	16	10.00x8.00	254x203
N1010PP	8.25	210	8.25	210	16	10.00x10.00	254x254
N1210PP	10.25	260	8.25	210	16	12.00x10.00	305x254
N1212PP	10.25	260	10.25	260	16	12.00x12.00	305x305
N1412PP	12.25	360	10.25	260	16	14.00x12.00	356x305
N2012PP	18.25	463	10.25	260	16	20.00x12.00	508x305

Panels are only available in steel and have a white powder paint finish.

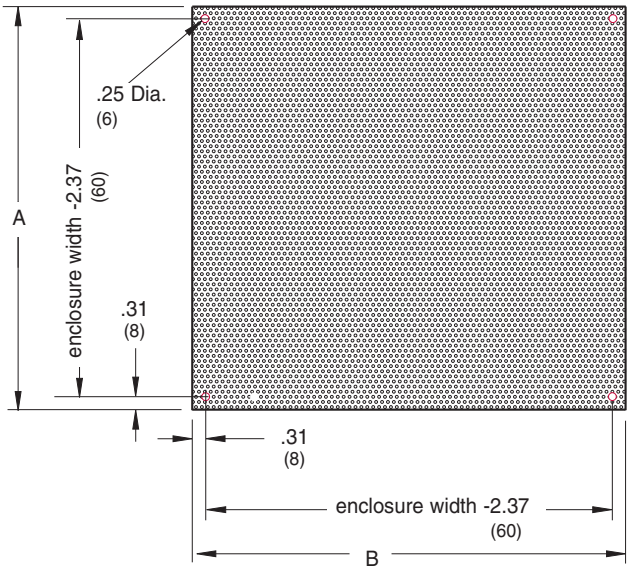
Hardware Packages			
Catalog Number	Description	Typical Use	Quantity
10168	#8-32 x .375 inch selt tap steel screw	NEMA 1 & JIC performed panels	20

JIC Enclosure Perforated Panels

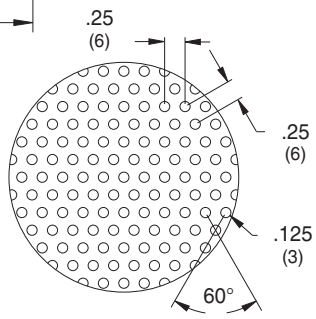


JIC perforated panels can be installed in all types of JIC Enclosures, and are intended for mounting lightweight components without drilling and tapping.

Small Enclosure Perforated Panels



Small enclosure perforated panels can be installed in small Type 3R, RHC, and small Type 1 Enclosures, and are intended for mounting lightweight components without drilling and tapping.



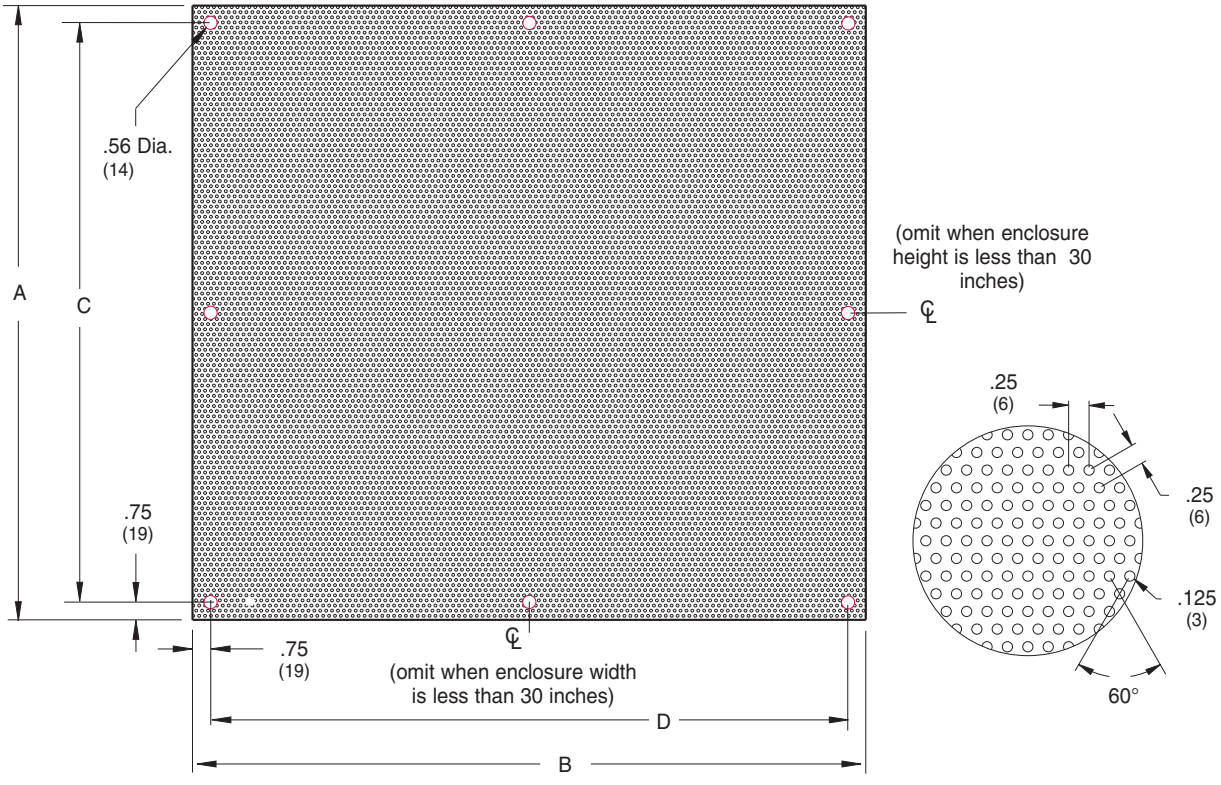
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Medium Enclosure Flat Perforated Panels

Accessories

Type 1 Medium Enclosure Flat Perforated Panel Catalog Number	A		B		C		D		Gauge	Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm
AW1612-1PP	13.00	330	10.50	267	11.50	292	9.00	228	16	16.00x12.00	406X305
AW1616-1PP	13.00	330	14.50	368	11.50	292	13.00	330	16	16.00x16.00	406X406
AW1620-1PP	13.00	330	18.50	470	11.50	292	17.00	432	16	16.00x20.00	406X508
AW2016-1PP	17.00	432	14.50	368	15.50	394	13.00	330	16	20.00x16.00	508X406
AW2020-1PP	17.00	432	18.50	470	15.50	394	17.00	432	16	20.00x20.00	508X508
AW2024-1PP	17.00	432	22.50	572	15.50	394	21.00	533	16	20.00x24.00	508X610
AW2416-1PP	21.00	533	14.50	368	19.50	495	13.00	330	16	24.00x16.00	610X406
AW2420-1PP	21.00	533	18.50	470	19.50	495	17.00	432	16	24.00x20.00	610X508
AW2424-1PP	21.00	533	22.50	572	19.50	495	21.00	533	16	24.00x24.00	610X610
AW3020-1PP	26.00	660	18.50	470	24.50	622	17.00	432	16	30.00x20.00	762X508
AW3024-1PP	26.00	660	22.50	572	24.50	622	21.00	533	16	30.00x24.00	762X610
AW3030-1PP	26.00	660	28.50	724	24.50	622	27.00	686	16	30.00x30.00	762X762
AW3624-1PP	32.00	813	22.50	572	30.50	775	21.00	533	16	36.00x24.00	914X610
AW3630-1PP	32.00	813	28.50	724	30.50	775	27.00	686	16	36.00x30.00	914X762
AW4224-1PP	38.00	965	22.50	572	36.50	927	21.00	533	16	42.00x24.00	1067X610

Hardware Packages			
Catalog Number	Description	Typical Use	Quantity
10168	#8-32 x .375 inch selt tap steel screw	NEMA 1 & JIC performed panels	20



Type 1 medium enclosure perforated panels can be installed in Type 1 Medium Panel Enclosures. Panels are only available in steel and have a white powder paint finish.

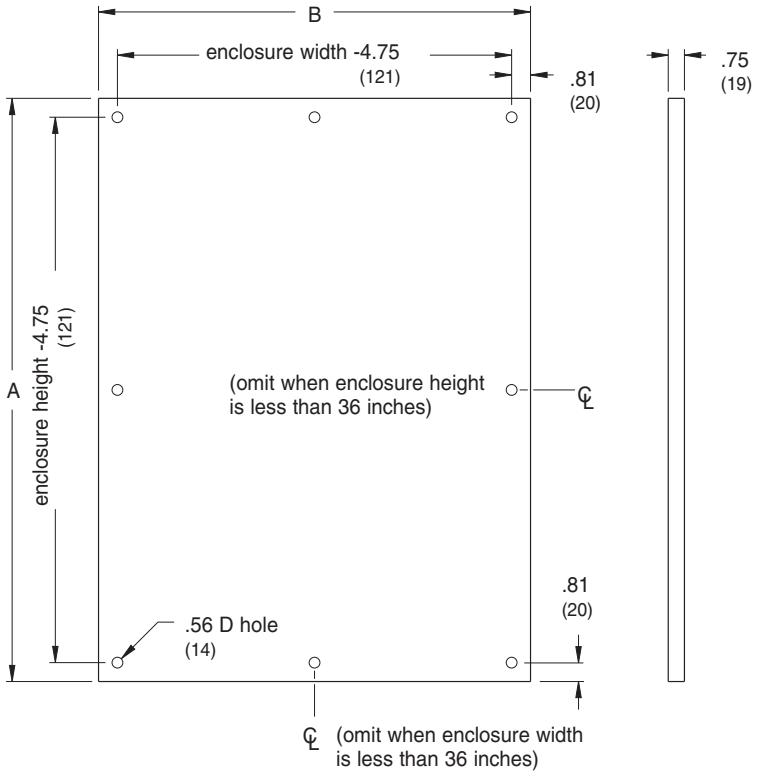
Type 1 Medium Enclosure Perforated Panels

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA Flanged Panels
Accessories

NEMA Flanged Panel Catalog Number				A		B			Fits Enclosure Height x Width	
Painted Steel	Galvanized Steel	Stainless	Aluminum	in.	mm	in.	mm	Gauge	in.	mm
AW2420P	AW2420GP	AW2420SP	AW2420AP	20.87	530	16.87	428	12	24.00*x20.00*	610x508
AW2424P	AW2424GP	AW2424SP	AW2424AP	20.87	530	20.87	530	12	24.00x24.00	610x610
AW3016P	AW3016GP	AW3016SP	AW3016AP	26.87	682	12.87	327	12	30.00x16.00	762x406
AW3020P	AW3020GP	AW3020SP	AW3020AP	26.87	682	16.87	428	12	30.00x20.00	762x508
AW3024P	AW3024GP	AW3024SP	AW3024AP	26.87	682	20.87	530	12	30.00*x24.00*	762x610
AW3030P	AW3030GP	AW3030SP	AW3030AP	26.87	682	26.87	682	12	30.00x30.00	762x762
AW3624P	AW3624GP	AW3624SP	AW3624AP	32.87	835	20.87	530	12	36.00x24.00	914x610
AW3630P	AW3630GP	AW3630SP	AW3630AP	32.87	835	26.97	685	12	36.00*x30.00*	914x762
AW3636P	-	AW3636SP	-	32.87	835	32.87	835	12	36.00x36.00	914x914
AW4224P	-	-	-	38.87	987	20.87	530	12	42.00*x24.00*	1067x610
AW4230P	AW4230GP	AW4230SP	AW4230AP	38.87	987	26.87	682	12	42.00*x30.00*	1067x762
AW4236P	AW4236GP	AW4236SP	AW4236AP	38.87	987	32.87	835	12	42.00x36.00	1067x914
AW4242P	-	-	-	38.87	987	38.87	987	12	42.00x42.00	1067x1067
AW4824P	-	-	-	44.87	1140	20.87	530	12	48.00*x24.00*	1219x610
AW4830P	AW4830GP	AW4830SP	-	44.47	1130	26.87	682	12	48.00*x30.00*	1219x762
AW4836P	AW4836GP	AW4836SP	AW4836AP	44.87	1140	32.87	835	12	48.00*x36.00*	1219x914
AW4842P	AW4842GP	AW4842SP	AW4842AP	44.87	1140	38.87	987	12	48.00*x42.00*	1219x1067
AW4848P	-	-	-	44.87	1140	44.87	1140	12	48.00x48.00	1219x1219
AW6030P	-	-	-	56.87	1444	26.87	682	12	60.00*x30.00*	1524x762
AW6036P	AW6036GP	AW6036SP	AW6036AP	56.87	1444	32.87	835	12	60.00*x36.00*	1524x914
AW6042P	-	-	-	56.87	1444	38.87	987	12	60.00*x42.00*	1524x1067
AW7230P	-	-	-	68.87	1749	26.87	682	12	72.00x30.00	1829x762
AW7236P	-	-	-	68.87	1749	32.87	835	12	72.00x36.00	1829x914

* Panel also fits these enclosures when height and width dimensions are reversed.



NEMA Flanged Panels can be installed in consoles, Type 4X, Type 4, and Type 12 NEMA Enclosures. Panels are available in steel, galvanized steel, stainless steel and aluminum. Painted steel panels have a white powder paint finish. Stainless steel and aluminum panels have a smooth brushed finish on one side and protected with PVC film.

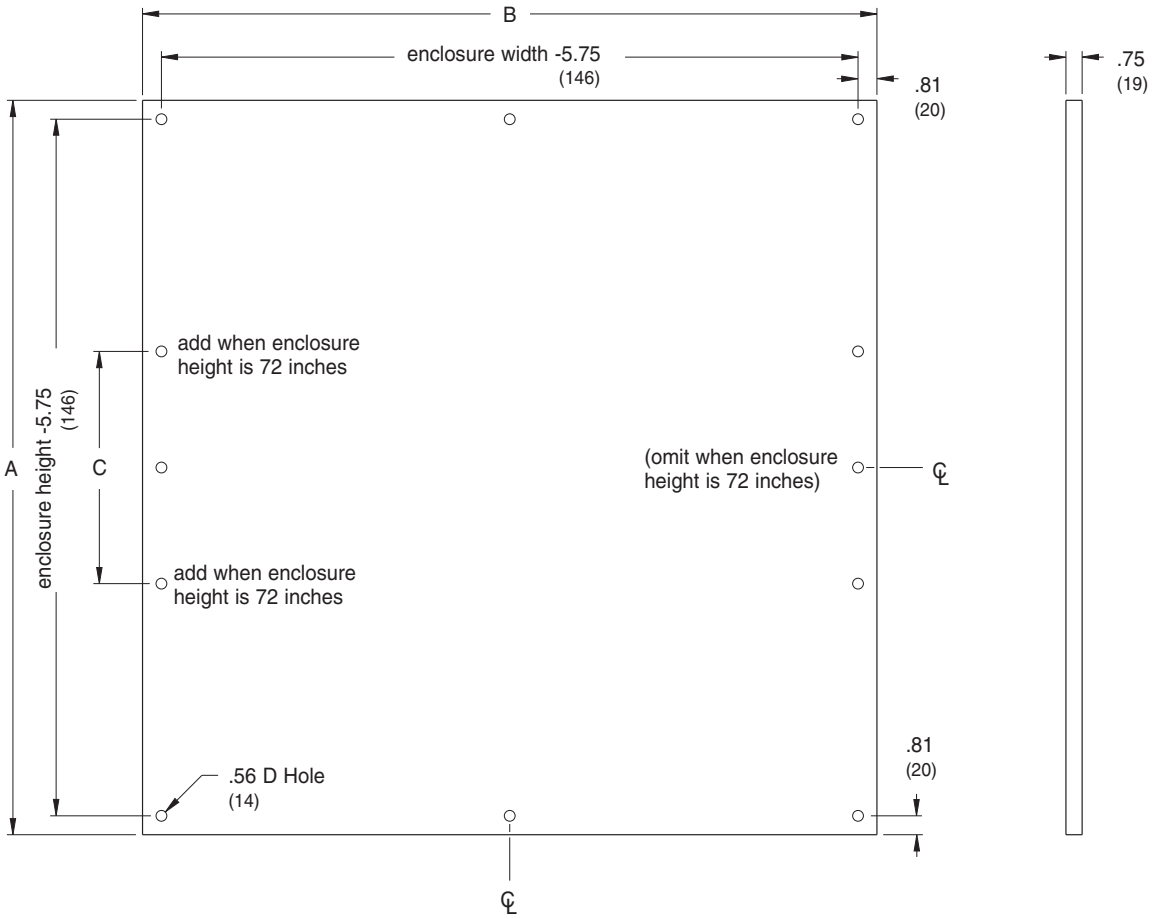
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Large NEMA Flanged Panels

Accessories

Panel Catalog Number			A		B		C			Fits Enclosure* Height x Width	
Steel	Stainless	Aluminum	in.	mm	in.	mm	in.	mm	Gauge	in.	mm
AW5442P	-	-	49.87	1267	37.87	962	-	-	10	54.00x42.00	1372X1067
AW6048P	AW6048SP	AW6048AP	55.87	1419	43.87	1114	-	-	10	60.00x48.00	1524X1219
AW6060P	AW6060SP	AW6060AP	55.87	1419	55.87	1419	-	-	10	60.00x60.00	1524X1524
AW7260P	AW7260SP	AW7260AP	67.87	1724	55.87	1419	22.06	560	10	72.00x60.00	1829X1524
AW7272P	AW7272SP	AW7272AP	67.87	1724	67.87	1724	22.06	560	10	72.00x72.00	1829X1829

*Panel also fits Type 4X and Type 4 where the height is 2.00 inches more than shown in the table



Large Flanged Panels can be installed in Floor Standing Type 4X, Type 4 and Type 12 Enclosures. Handle Kits are furnished with each panel. Steel panels have a white powder paint finish. Stainless steel and aluminum panels have a smooth brushed finish on one side and protected with PVC film.

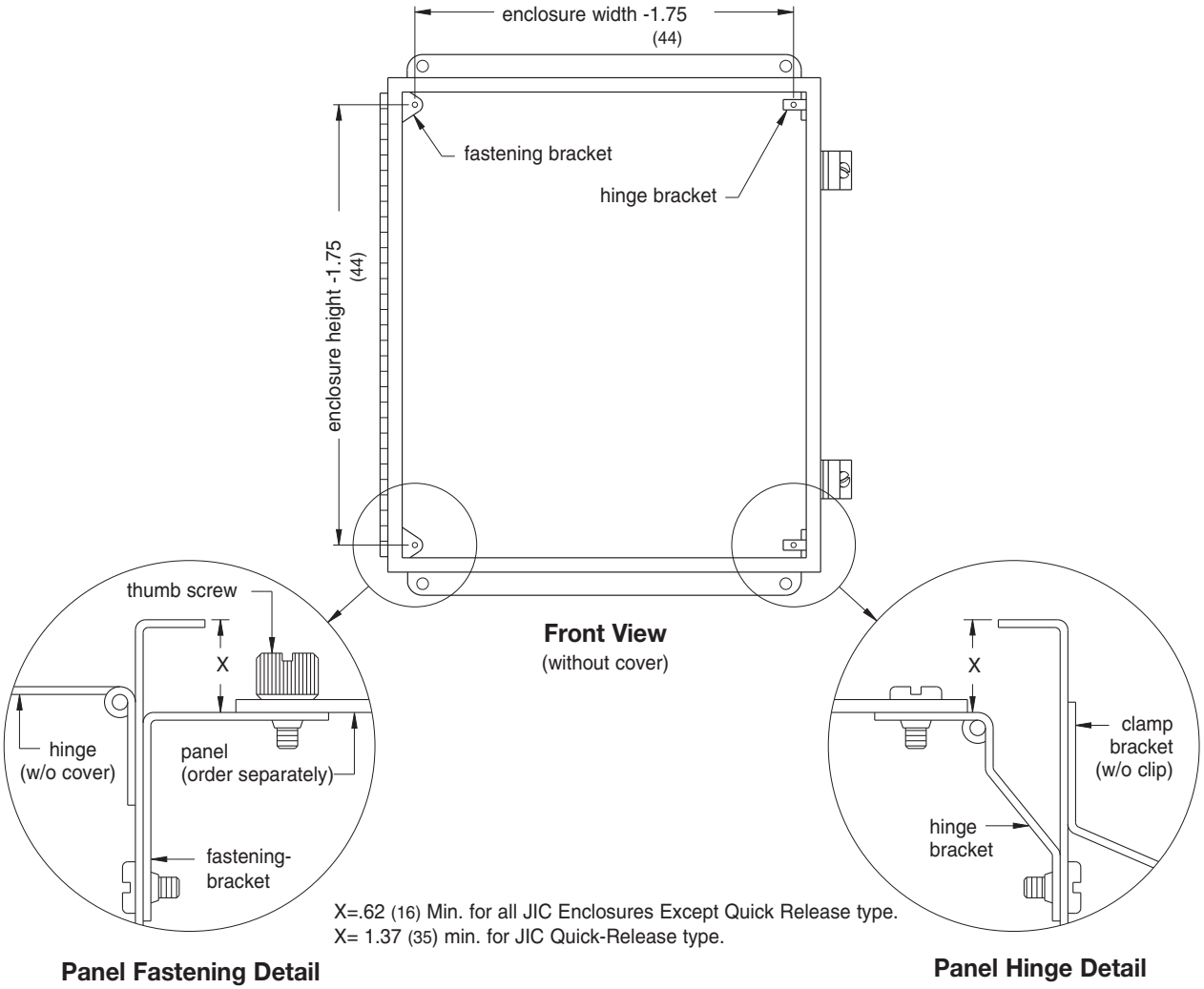
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

JIC Swing Panel Kit

Accessories

Catalog Number	Description
JICSPK	For use with JIC Enclosures that are 8.00 (203 mm) x 6.00 (152 mm) inches or larger. The distributed weight of panel and equipment should not exceed 25 pounds.

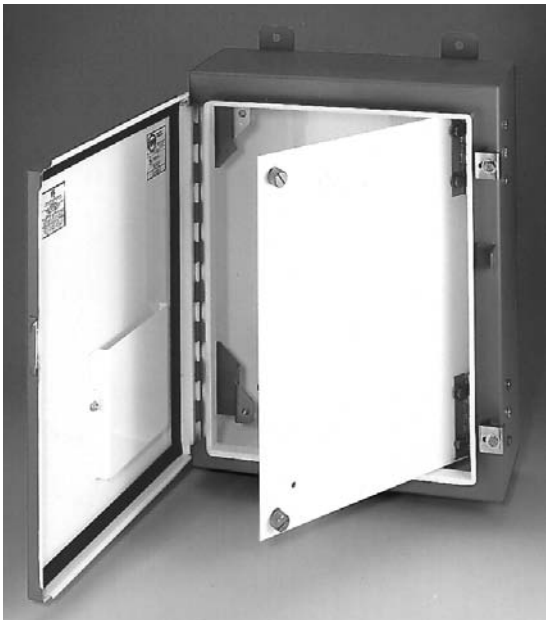
This kit offers a means for mounting user's components and equipment near the front of an enclosure opening for easy access. The JIC Swing Panel Kit includes two hinge brackets, two fastening brackets, knurled thumb screws, retaining hardware and instructions for installing standard panels. Panels must be ordered separately.



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

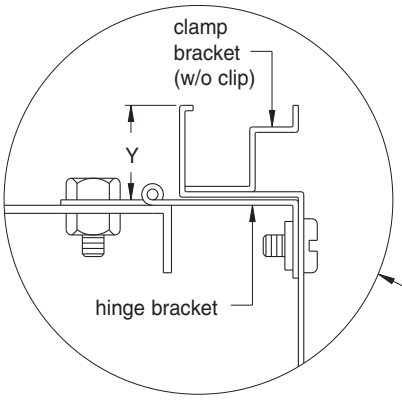
NEMA Swing Panel Kit

Accessories

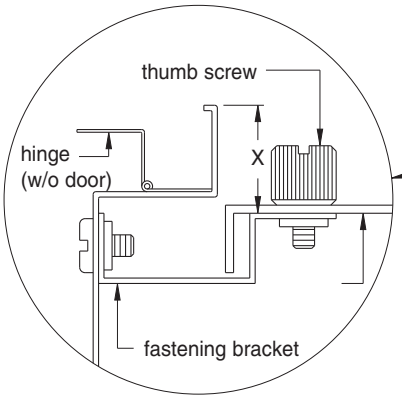


Catalog Number	Description
NSPK	For use with Type 4 And Type 12 Single Door Enclosures 16.00 (406 mm) x 12.00 (305 mm) and larger, provided the distributed weight of panel and equipment does not exceed 100 pounds. Also used on the Larger Type 12 CHSC and Larger Type 3R RHC Enclosure.

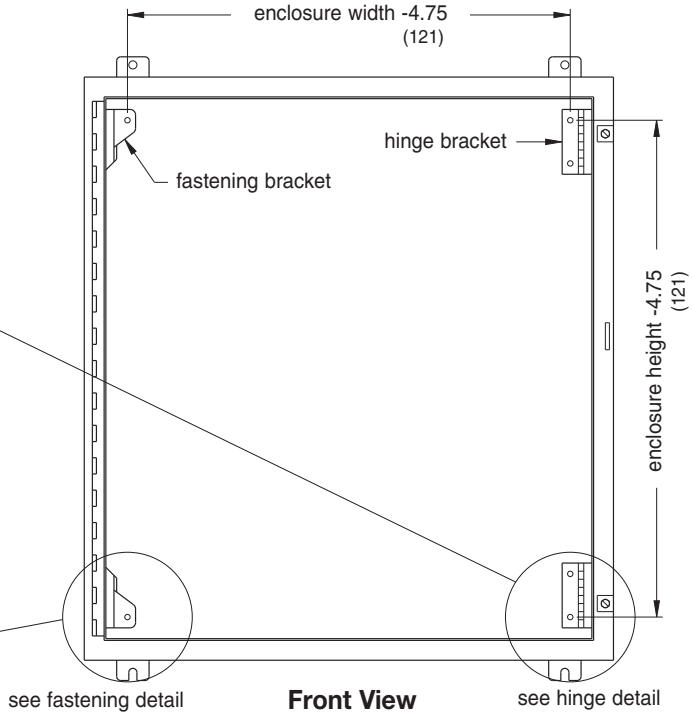
This kit offers a means for mounting user components and equipment near the front of an enclosure opening for easy access. The NEMA Swing Panel Kit includes two hinge brackets, two fastening brackets, knurled thumb screws, retaining hardware, bracket mounting hardware and instructions for installing standard panels. Panels must be ordered separately.



Panel Hinge Detail



Panel Fastening Detail



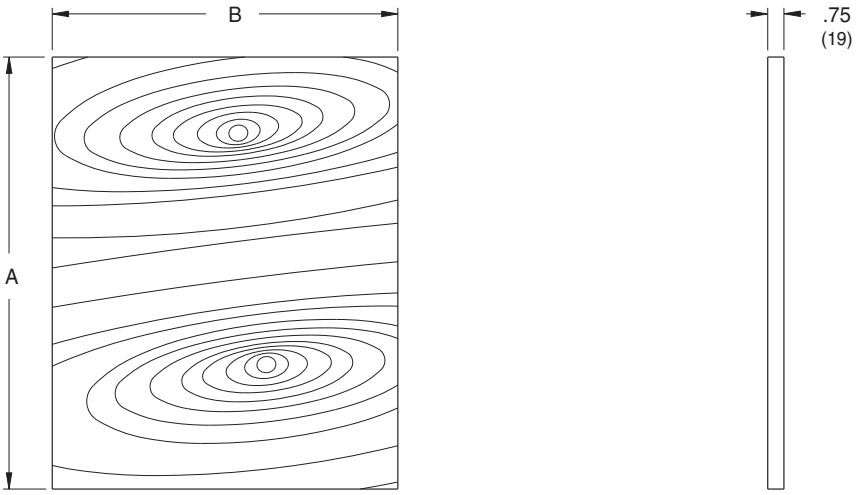
Front View
(without door)

X= 1.37 (35) min. Type 4 & 12 Single door, and Large Type 3R RHC Enclosures
Y= 1.25 (32) min. Type 4 & 12 Single door, and Large Type 3R RHC Enclosures
X= 1.00 (25) min. Large Type 12 CHSC Enclosures
Y= .87 (22) min. Large Type 12 CHSC Enclosures

Notes: Large Type 12 CHSC Enclosures have panels installed. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Wood Back Boards
Accessories

Wood Back Board Catalog Number	A in.	A mm	B in.	B mm	Fits Enclosure Height x Width in.	Fits Enclosure Height x Width mm
88 WB	5.00	127	5.00	127	8.00x8.00	203x203
1010 WB	7.00	178	7.00	178	10.00x10.00	254x254
128 WB	9.00	229	5.00	127	12.00x8.00	350x203
1210 WB	9.00	229	7.00	178	12.00x10.00	305x254
1212 WB	9.00	229	9.00	229	12.00x12.00	305x305
1612 WB	13.00	330	9.00	229	16.00x12.00	406x305
1812 WB	15.00	381	9.00	229	18.00x12.00	457x305
1815 WB	15.00	381	12.00	305	18.00x15.00	457x381
1818 WB	15.00	381	15.00	381	18.00x18.00	457x457
2412 WB	21.00	533	9.00	229	24.00x12.00	610x305
2418 WB	21.00	533	15.00	381	24.00x18.00	610x457
2424 WB	21.00	533	21.00	533	24.00x24.00	610x610
3015 WB	27.00	686	12.00	305	30.00x15.00	762x381
3018 WB	27.00	686	15.00	381	30.00x18.00	762x457
3024 WB	27.00	686	21.00	533	30.00x24.00	762x610
3030 WB	27.00	686	27.00	686	30.00x30.00	762x762
3624 WB	33.00	838	21.00	533	36.00x24.00	914x610
3630 WB	33.00	838	27.00	686	36.00x30.00	914x762
3636 WB	33.00	838	33.00	838	36.00x36.00	914x914
4824 WB	45.00	1143	21.00	533	48.00x24.00	1219x610
4836 WB	45.00	1143	33.00	838	48.00x36.00	1219x914
4848 WB	45.00	1143	45.00	1143	48.00x48.00	1219x1219

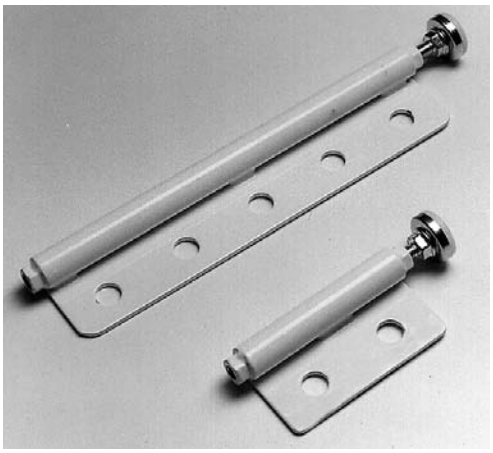


Wood back boards are intended for Type 1 and Type 3R Telephone Termination Cabinets. However, they may be installed in any enclosure that will accommodate the board size. Standard boards are cut from shop grade type CDX plywood with one side finished smooth. Boards normally are not treated or painted. Consult the factory for special cuts, holes, finishes or wood treating.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

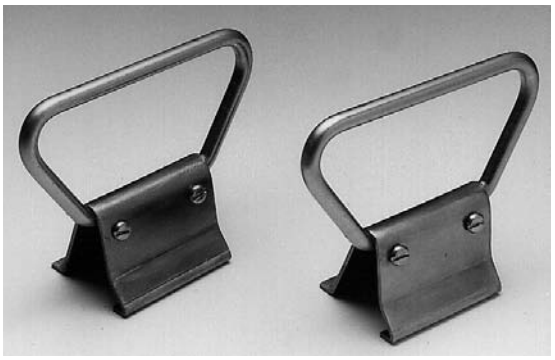
Panel Support, Lifting Hooks and Blank Adapter Plate Kits

Accessories



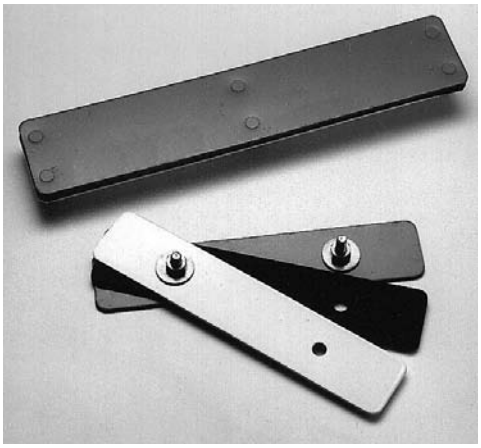
Panel Support Kits	
Catalog Number	**Description**
PS3	For use on Single Door and Double-Door Floor-Standing Enclosure Panels
PS9	For use on Free-Standing and Multi-Door Free-Standing Enclosure Panels

Designed to provide additional support to panels which are burdened with heavy equipment. Supports fit over the bottom corner collar Studs. Each support bracket can be adjusted so that the load can be shared between the support and the stud. A "jam" nut maintains the adjustment. At the base of the support bracket is a nylon shoe to prevent damage to the interior finish. Two support brackets assemblies are furnished with each kit.



Panel Lifting Hooks	
Catalog Number	**Description**
PLH	Panel lifting hooks

Two (2) Panel lifting hooks are used for picking up and moving large panels. The hooks are designed to be used on back panels while laying flat.



Blank Adapter Plates	
Catalog Number	**Description**
7.5 BAP	Wall-mounted Enclosures
10.5 BAP	Floor and Free-Standing Enclosures

Blank Adapter Plates are designed to cover the cut-outs in either the flange or center post on Disconnect Enclosures when the disconnect switch is not installed. Plates are constructed from (12) gauge steel. Each kit contains two plates, gasket, and hardware. The kit is designed to sandwich the gasket between the enclosure opening and exterior plate. The exterior plate has an ANSI 61 gray enamel paint finish, the interior plate has a white enamel paint finish.

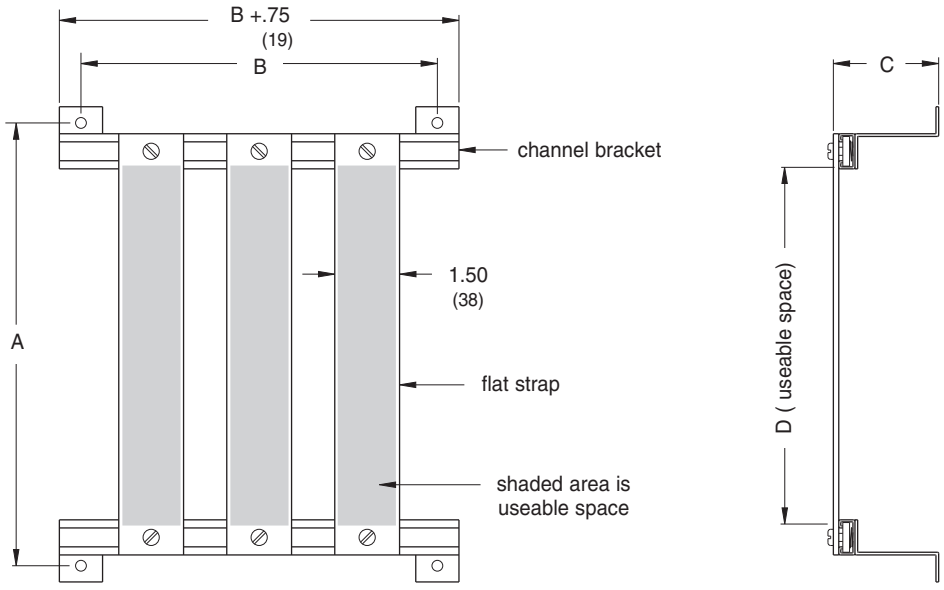
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

JIC Terminal Strap Kits

Accessories

JIC Terminal Strap Kits fit all styles and types of JIC enclosures. The kits are furnished with flat straps for mounting Flat Based Terminal Blocks, (see Flat Based Terminal Blocks, page 361). There is adequate space on each terminal strap should the user wish to provide another style of block. Terminal straps are made from (10) gauge steel with an electrogalvanized finish. They are fastened to channel clamping nuts which allows them to adjust along the width of the channel bracket assembly. Extra Strap Kits can be ordered separately and come furnished with all hardware necessary for channel mounting.

Terminal Strap Kit Catalog Number	A		B		C		D		Quantity Of Straps	Fits Enclosure Height x Width		Extra Strap Kit Catalog Number
	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm	
86TS	6.25	159	4.25	108	1.12	28	4.50	114	2	8.00x6.00	203x152	**8TS**
108TS	8.25	210	6.25	159	1.12	28	6.50	165	2	10.00x8.00	254x203	**10TS**
1210TS	10.25	260	8.25	210	2.43	62	8.50	216	3	12.00x10.00	305x254	**12TS**
1212TS	10.25	260	10.25	260	2.43	62	10.50	267	3	12.00x12.00	305x305	**12TS**
1412TS	12.25	311	10.25	260	2.43	62	10.50	267	3	14.00x12.00	356x305	**14TS**
1614TS	14.25	362	12.25	311	2.43	62	12.50	318	4	16.00x14.00	406x356	**16TS**

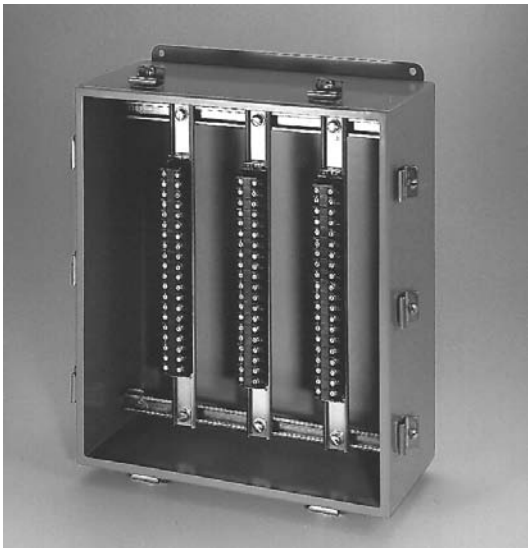


Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

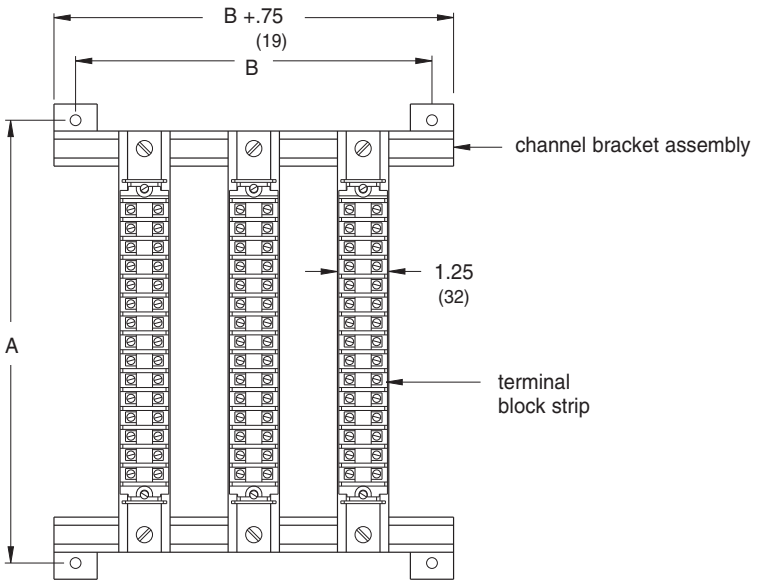
JIC Terminal Block Strip Kits

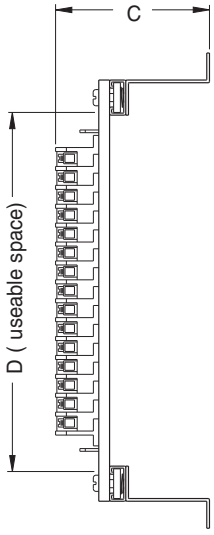
Accessories

JIC Terminal Block Strip Kits fit all styles and types of JIC Enclosures. Kits are furnished with Terminal Strips and contain Medium-Duty Channel Mount Terminal Blocks, Terminal End and Clamps. Terminals have tubular screw type lugs which accept wire sizes from #18 through #8. Terminal Strips are fastened to channel nuts which allow them to adjust along the entire width of the channel bracket assembly. Extra Strip Kits can be ordered separately. They come furnished with all the hardware necessary for channel mounting but do not include the terminal blocks. Terminal blocks, ends, and clamps can be ordered separately as well, (see Channel Mount Terminal Blocks, page 360).



Terminal Block Strip Kit Catalog Number	A		B		C		D		Strap Quantity	Fits Enclosure Height x Width		Extra Strip Kit Catalog Number
	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm	
86TB	6.25	159	4.25	108	2.15	55	4.50	114	2	8.00x6.00	203x152	**8TB**
108TB	8.25	210	6.25	159	2.15	55	6.50	165	2	10.00x8.00	254x203	**10TB**
1210TB	10.25	260	8.25	210	3.56	90	8.50	216	3	12.00x10.00	305x254	**12TB**
1412TB	12.25	311	10.25	260	3.56	90	10.50	267	3	14.00x12.00	356x305	**14TB**
1614TB	14.25	362	12.25	311	3.56	90	12.50	318	4	16.00x14.00	406x356	**16TB**

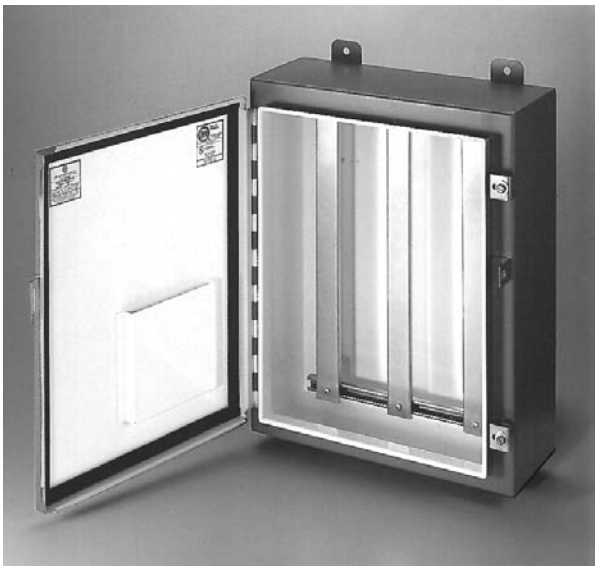




Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

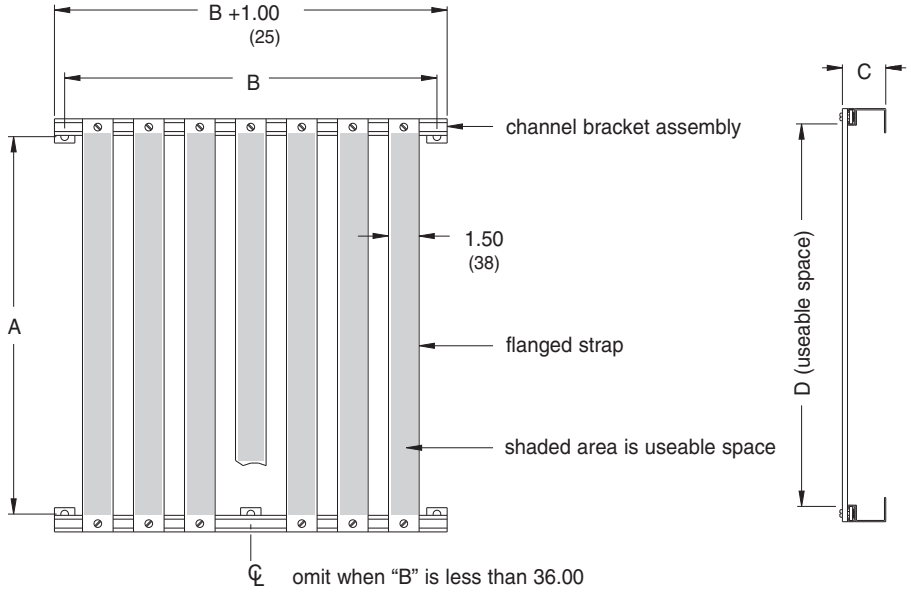
NEMA Terminal Strap Kits

Accessories



NEMA Terminal Strap Kits fit Type 4, Type 4X and Type 12 Enclosures. Kits are furnished with flanged straps for mounting Flat Base Terminal Blocks, (See Flat Base Terminal Blocks, page 361). There is adequate space on each terminal strap should the user wish to provide another style block. Terminal straps are (14) gauge steel with an electrogalvanized finish. They are fastened to channel nuts which allow them to adjust along the width of the channel bracket assembly. Three channel brackets are supplied with kits that fit enclosures that are 36 inches wide. Extra Strap Kits can be ordered separately and come furnished with all hardware necessary for channel mounting.

Terminal Strap Kit Catalog Number	A		B		C		D		Quantity of Straps	Fits Enclosure Height x Width		Extra Strap Kit Catalog Number
	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm	
16TS12	11.25	286	7.25	184	2.18	55	11.75	298	2	16.00x12.00	406x305	**16S**
20TS16	15.25	387	11.25	286	2.18	55	15.75	400	3	20.00x16.00	508x406	**20S**
20TS20	15.25	387	15.25	387	2.18	55	15.75	400	4	20.00x20.00	508x508	**20S**
24TS20	19.25	489	15.25	387	2.18	55	19.75	502	4	24.00x20.00	610x508	**24S**
24TS24	19.25	489	19.25	489	2.18	55	19.75	502	5	24.00x24.00	610x610	**24S**
30TS20	25.25	641	15.25	387	2.18	55	25.75	654	4	30.00x20.00	762x508	**30S**
30TS24	25.25	641	19.25	489	2.18	55	25.75	654	5	30.00x24.00	762x610	**30S**
36TS24	31.25	794	19.25	489	2.18	55	31.75	806	5	36.00x24.00	914x610	**36S**
36TS30	31.25	794	25.25	641	2.18	55	31.75	806	6	36.00x30.00	914x762	**36S**
42TS30	37.25	946	25.25	641	2.18	55	37.75	959	6	42.00x30.00	1067x762	**42S**
48TS36	43.25	1099	31.25	794	2.18	55	43.75	1111	7	48.00x36.00	1219x914	**48S**
60TS36	55.25	1403	31.25	794	2.18	55	55.75	1416	7	60.00x36.00	1524x914	**60S**



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Channel Mounted Terminal Blocks

Accessories

Medium-Duty Channel Mount terminal blocks are rated at 600 VAC, 50 Amps. Terminal lugs are plated copper and have tubular screw contacts. Terminal wire range is from #22 through #8 AWG. Each terminal block top has a painted marking area intended for circuit designation. These blocks are designed to dovetail into channel and can be stacked in combination with both Medium-Duty and/or Heavy-Duty Channel Mount type terminals. One Channel Mount Terminal End and two Channel Clamps are required to terminate a stack of blocks (order separately).

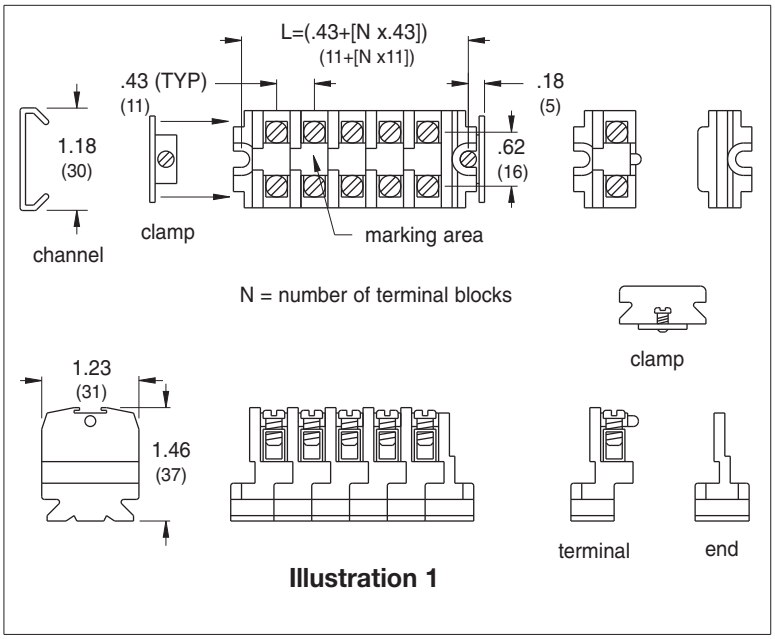


Illustration 1

Heavy-Duty Channel Mount terminal blocks are rated at 600 VAC, 90 Amps. Terminal lugs are plated copper and have tubular screw contacts. Terminal wire range is from #18 through #4 AWG. Each terminal block top has a painted marking area intended for circuit designation. These blocks are designed to dovetail into channel and can be stacked in combination with both Heavy-Duty and/or Medium-Duty Channel Mount type terminals. One Channel Mount Terminal End and two Channel Clamps are required to terminate a stack of blocks (order separately).

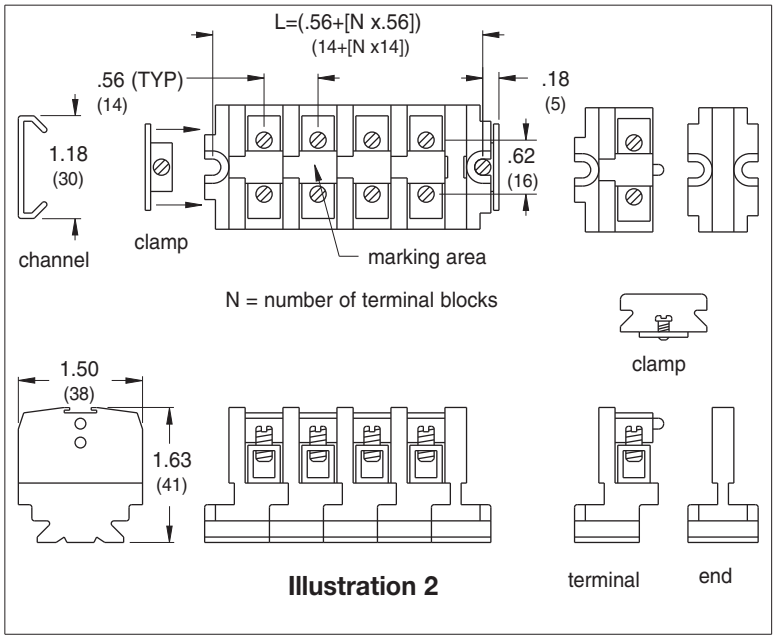


Illustration 2

Catalog Number	Description	Illustration	Quantity
CTB3005	Medium-duty channel mount terminal	1	5
CTE3001	Medium-duty channel mount end	1	1
CT6005	Heavy-duty channel mount terminal	2	5
CE6001	Heavy-duty channel mount end	2	1
CTC2	Channel mount terminal clamp	1 & 2	2
25012A	Channel Strip (72 inch)	1 & 2	1

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Flat Base Terminal Blocks

Accessories

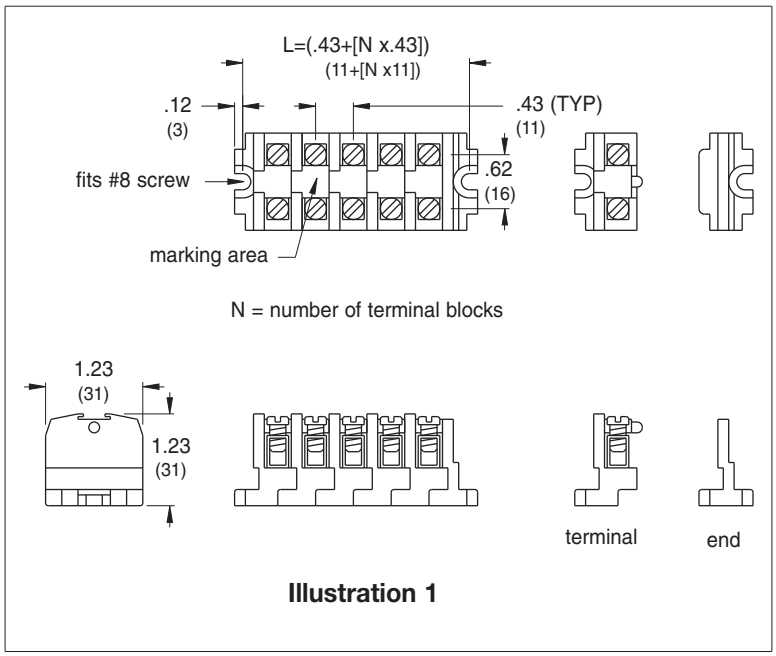


Illustration 1

Medium-Duty Flat Base type terminal blocks are rated at 600 VAC, 50 Amps. Terminal lugs are plated copper and have tubular screw contacts. Terminal wire range is from #22 through #8 AWG. Each terminal block top has a painted marking area intended for circuit designation. These blocks are designed to stack in combination with both Medium-Duty and/or Heavy-Duty Channel Mount type terminals. One Flat Based Terminal End and hardware is required to terminate a stack of blocks (order separately).

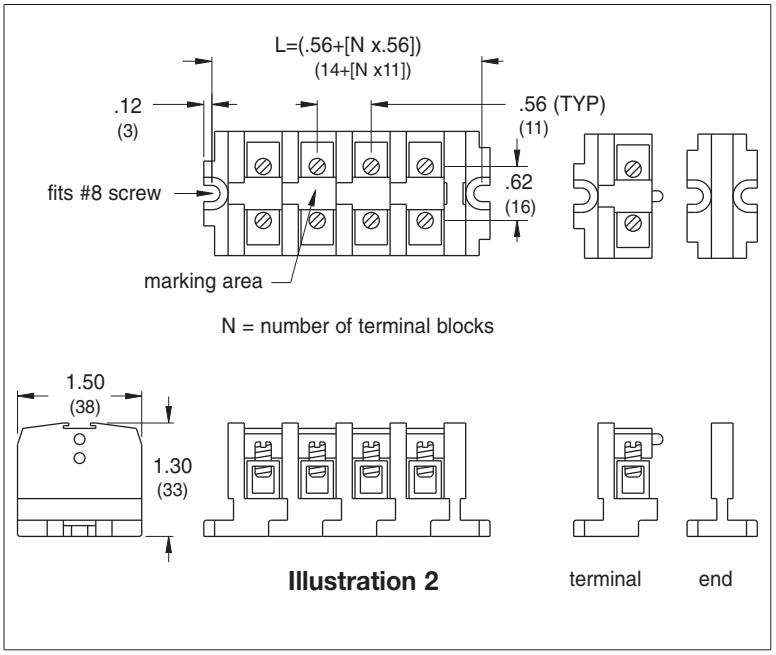


Illustration 2

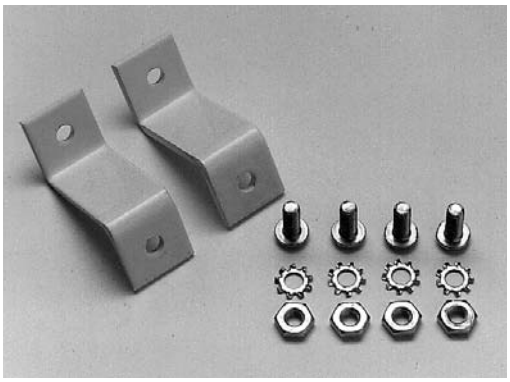
Heavy-Duty Flat Base terminal blocks are rated at 600 VAC, 90 Amps. Terminal lugs are plated copper and have tubular screw contacts. Terminal wire range is from #18 through #4 AWG. Each terminal block top has a painted marking area intended for circuit designation. These blocks are designed to stack in combination with both Heavy-Duty and/or Medium-Duty Flat Base type terminals. One Flat Base Terminal End and hardware is required to terminate a stack of blocks (order separately).

Catalog Number	Description	Illustration	Quantity
FTB3005	Medium-duty flat base terminal	1	5
FTE3001	Medium-duty flat end, (includes #8 screws)	1	1
FT6005	Heavy-duty flat base terminal	2	5
FE6001	Heavy-duty flat end, (incudes #8 screws)	2	1

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

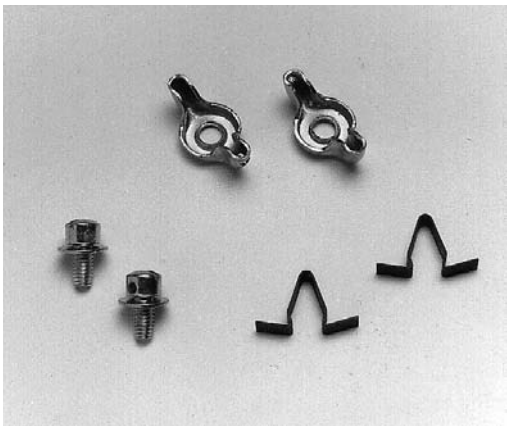
Terminal Strap Support, Sealing Device Kits & Clamping Nut

Accessories



Terminal Strap Support Kit	
Catalog Number	**Description**
TSK	Two support brackets

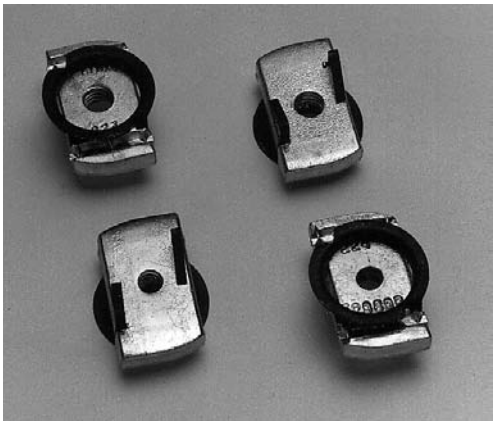
This kit is intended for supporting the Terminal Straps and Strips off the back of panels or enclosure walls. The "Z" shaped brackets are made from (12) gauge steel and have a white enamel paint finish. Two brackets and hardware are furnished with each kit. Terminal Straps and Strips must be purchased separately.



Clockwise from top: Wing Nut, Seal Clip, Seal Screw

Sealing Device Packages		
Catalog Number	**Description**	**Quantity**
SEALS	Wire seal screw	10
SEALWN	Wire seal wing nut	10
SEALC	Wire seal clip	10

Sealing hardware devices are used as replacement pieces for various enclosures and wireway. All hardware is plated.



Clamping Nut Package		
Catalog Number	**Description**	**Quantity**
TN228-20	Large, .375-16 thread	20
N624-20	Small, .25-20 thread	20
N627-20	Small, 10-32 thread	20

B-Line® Clamping nuts are intended to be used on channel strut typically found in Consoles, Free-Standing, Terminal, and Disconnect Enclosures. There are two sizes of clamp nuts available. One size fits the 1.62 inch wide (large) channel; The other fits the .81 inch wide (small) channel. The small channel nuts come in two thread sizes (see table).

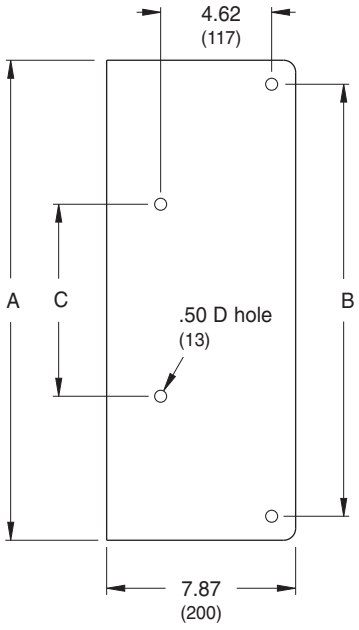
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Floor Stand & Enclosure Stabilizer Kits

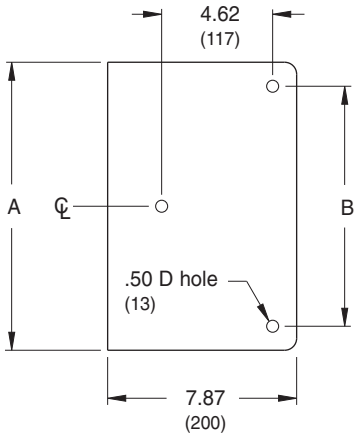
Accessories

Floor Stand Kits							
Catalog Number		A		B		C	
Steel	Stainless	in.	mm	in.	mm	in.	mm
MFK8	MFK8XS	8.0	203	6.06	154	-	-
MFK10	MFK10XS	10.0	254	8.06	205	-	-
MFK12	MFK12XS	12.0	305	10.06	256	-	-
MFK16	MFK16XS	16.0	406	14.06	357	-	-
MFK20	MFK20XS	20.0	508	18.06	459	8.00	203
MFK24	MFK24XS	24.0	610	22.06	560	10.00	254

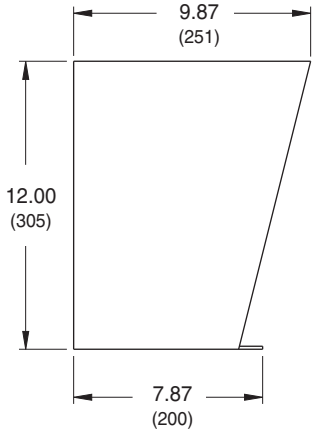
Floor Stand Kits are intended for use with Type 4X, Type 4 and Type 12 Wall-Mount Enclosures where floor support is required. They are easily installed on most enclosures where the width is 20 inches (508 mm) or more. The enclosure mounting feet need not be removed in order to install Floor Stand Kits. Each kit consists of two (10) gauge legs and hardware for mounting. At the base of each leg is a prepunched plate (see drawing). Steel kits have a gray polyester powder paint finish. Stainless steel kits are fabricated from 304 alloy. Standard Floor Stand Kits are 12 inches (305 mm) high. For special heights or non-standard construction consult the factory.



Base 20 - 24 Deep



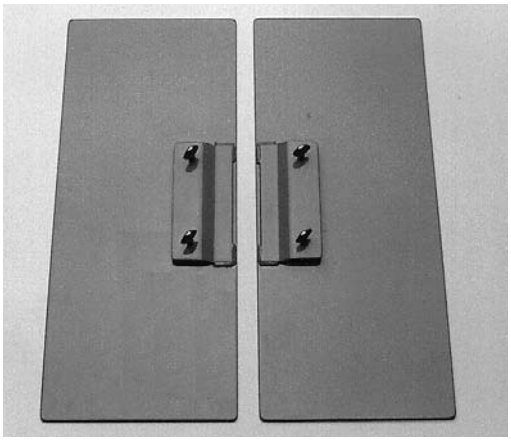
Base 8 - 16 Deep



Floor Stand Kit

Enclosure Stabilizer	
Catalog Number	Quantity
ES2	2

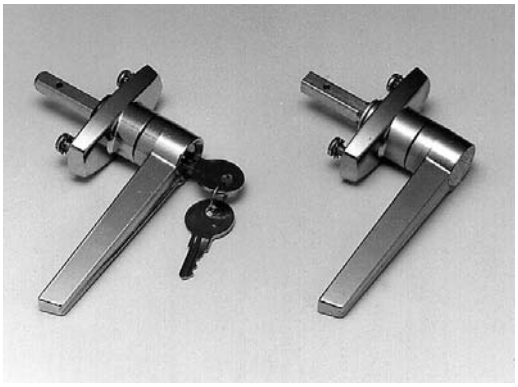
Enclosure Stabilizers are heavy gauge with a wide base for use with NEMA Floor Stand Kits which add stability to large enclosures or top heavy enclosures. Two thumb screws thread into the offset piece and secure the stabilizer to the base of the leg. Two stabilizers are furnished. They are finished with a bright caution orange enamel paint.



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

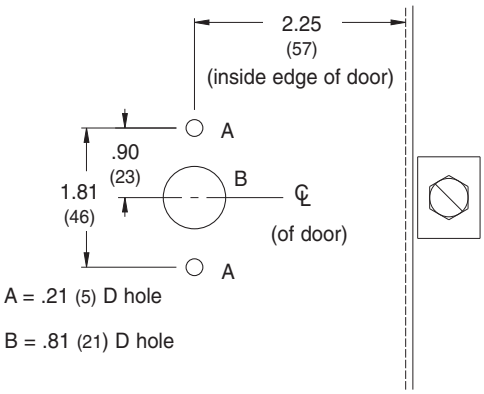
Type 12 Door Handle Kits

Accessories



Old Type 12 Door Handle	
Catalog Number	**Description**
25228 A	Type 12 handle CCW lock
25228 B	Type 12 handle CCW latch
25228 C	Type 12 handle CW lock
25228 D	Type 12 handle CW latch

Type 12 Door Handles can be used as a replacement lock or latch for Type 12 Wall-Mount Double-Door Enclosures, Type 12 Floor-Standing Double-Door Enclosures and also Consoles. These enclosures use a counter-clockwise (CCW) handle rotation. Clockwise (CW) lock and latch are available. Handles are steel with a bright plated finish.



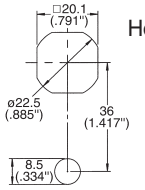
Hole Pattern Detail

Old Type 12 Door Handle Kits	
Catalog Number	**Description**
25228 A**	Type 12 handle kit CCW lock
25228 B**	Type 12 handle kit CCW latch
25228 C**	Type 12 handle kit CW lock
25228 D**	Type 12 handle kit CW latch

** Specify enclosure height after the catalog number, (20, 24, 30, 36, 42, 48, 60, 72). (Example: 25228 A60 for 60 inch height)

Type 12 Door Handle Kits are intended for 3-pt field modifications to most Type 12 Wall-Mount Single-Door Enclosures with a height from 20 inches (508 mm) to 72 inches (1829 mm). Locks and latches are available in either counter-clockwise (CCW) or clockwise (CW) handle rotation. Kits include a handle, cam, rods, spacer, rollers, adjustable rod guides and all hardware necessary for assembly. The adjustable rod guides have multiple settings for desired gasket compression. Detailed instructions are also furnished which include a door hole pattern for field mounting the handle assembly (see detail on this page). Handles are steel with a bright plated finish.

00011184 A
00011187 A



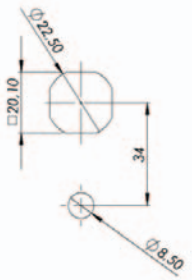
Hole Template for
00011184 A
&
00011187 A

New Type 12 Door Handle Kits		
Catalog Number	**Description**	**Defeater**
00011184 A	Type 4/12 handle lock	Turn Tool
00011184 B	Compact Stainless Type 4X/12 Handle Lock	None
00011187 A	Type 4/12 handle lock	Key Turn
00011187 B	Compact Type 4/12 Handle Lock	Key Turn

The new Type 12 door handles can be used as replacement locks for Type 12 double-door wallmounts, Type 12 free/floor standing enclosures and disconnect enclosures, and the EnviroShield enclosures. Handles are a zinc die-cast construction with a textured powder coat finish to provide durability and corrosion resistance. An optional built-in spring loaded defeater provides a two handed operation requirement and a standard padlockable handle trigger provides secondary security. A removable lock plug allows for clockwise or counter clockwise operation. Handles are supplied with nut, screw, and gasketing materials.

00011187 B

00011184 B



Hole Template for
00011184 B
&
00011187 B

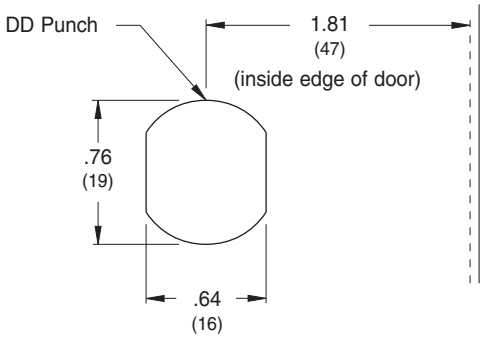
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 4 & 12 Door Locks

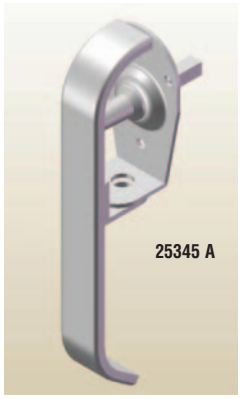
Accessories

NEMA 4 & 12 Flush Lock	
Catalog Number	**Description**
25351 A	NEMA 4 & 12 flush lock

Flush lock is intended for 1-pt field modification to most Type 4 and Type 12 Single Door Wall-Mount Enclosures. Included is detail instructions for the door hole size and location (see detail 1 on this page). The lock is steel with a bright plated finish.



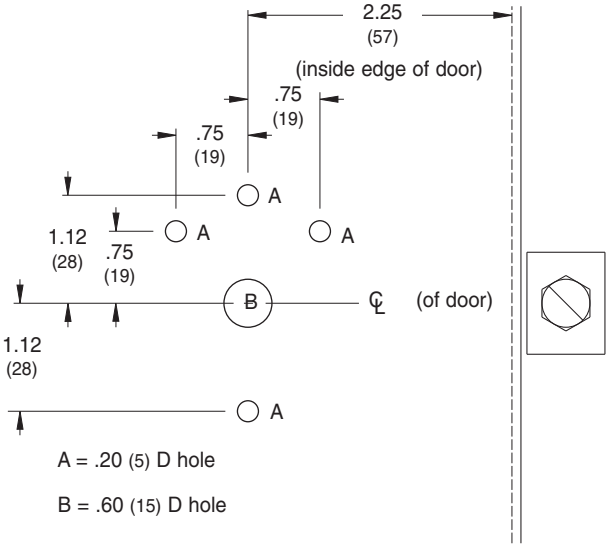
Hole Pattern Detail 1



NEMA 12 Padlock Handle Kits	
Catalog Number	**Description**
25345 A**	NEMA 12 padlock handle kit

** Specify enclosure height after the catalog number, (20, 24, 30, 36, 42, 48, 60, 72). Example: 25345 A48 for 48 inch height.

NEMA 12 Padlock Handle Kits are intended for 3-pt field modification to most Type 12 Single Door Wall-Mount Enclosures with a standard height from 20 inches (508 mm) to 72 inches (1829 mm). The handle is heavy-duty and will rotate in both the counter-clockwise and clockwise directions. Below handle center is a padlock provision with holes large enough to accommodate up to a .43 inch (11 mm) shaft. Kits include a handle, cam, rods, spacer, rollers, adjustable rod guides and all the hardware necessary for assembly. Adjustable rod guides have multiple settings for desired gasket compression. Detailed instructions are also furnished which include a door hole pattern for field mounting the handle assembly (see detail 2 on this page). The handle is steel with a bright plated finish.

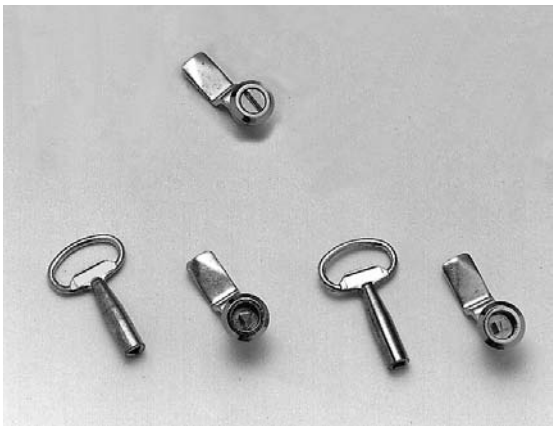


Hole Pattern Detail 2

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 & Type 12 Latch & Lock Kits

Accessories



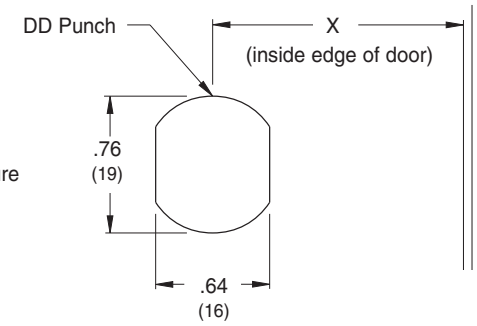
Latch Kits for Type 4 & 12 Enclosures	
Catalog Number	**Description**
25270 A	Slotted flush
25278 A	Triangle flush latch key
25277 A	Triangle flush latch
25289 A	Square flush latch key
25288 A	Square flush latch

A = Chrome Plate
Intended to be used on Type 4 and Type 12/13 enclosures which utilize external screw clamps. Latches require a hole punched or drilled in the door for installation. Once installed, an internal O-ring and external gasket maintain a dust-tight and water-tight seal. The tamper resistant latches require specific keys to gain access.

JIC 4 & 12 Flush Lock	
Catalog Number	**Description**
25352 A	JIC 4 & 12 flush lock

Flush Locks are intended for 1-pt field modifications to most Type 4 and 12 JIC Enclosures as well as the Large Type 12 CHSC Enclosures. Included is detail instructions for the door hole size and location (see detail on this page). The lock is steel with a bright plated finish.

X = 1.18 (30) JIC Enclosure
X = 1.68 (43) Large Type 12 CHSC Enclosure



Hole Pattern Detail

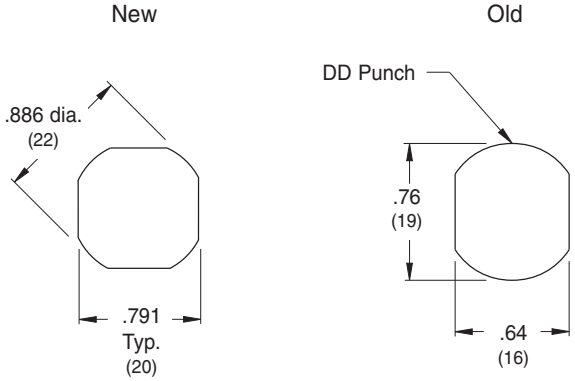
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Door Lock Kits
Accessories

Type 1 Enclosure Flush Lock	
Catalog Number	**Description**
T1EFL	New Flush lock
25245A	Old Flush lock

Flush Locks are used as a keyed locking mechanism for Type 1 small, medium and large Panel Enclosures. Mechanisms are steel with a plated finish. Due to recent design changes, choose appropriate catalog number based on hole pattern below.

Hole Pattern Detail

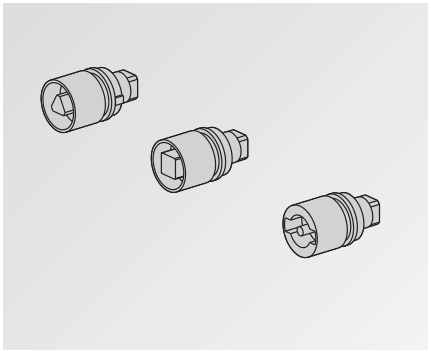


Old Flush Lock Part # 25245A

New Flush Lock Part # T1EFL

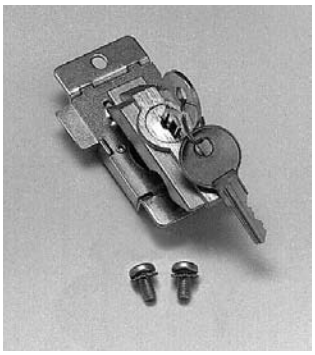
Type 1 Enclosure Security Latch Inserts	
Catalog Number	**Description**
7MT1TLK	7mm triangular latch insert
7M1TSLK	7mm square latch insert
3MD1BLK	3mm double bit latch insert

Security latch inserts interchange with slotted quarterturn flush latch and provide security and control access to interior of enclosure. Inserts include matching key.



Type 1 Tel Cab Mechanism	
Catalog Number	**Description**
25092 A	Tumbler lock (single door)
25092 B	Left Hand Key Locking

Tumbler Locks are used as replacement mechanisms for Type 1 Single-Door Telephone Termination Cabinets. They are designed for cabinet doors which hinge on the right side. The low profile mechanism is excellent for surface and flush cabinet cover mounting.



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 & Type 3R Handle Kits

Accessories

Type 1 & 3R T-Handle Lock	
Catalog Number	**Description**
25421 A	T-handle lock

T-Handle Lock is intended to be used as a replacement mechanism for Type 1 Double Door Telephone Termination Cabinets, Type 3R Telephone Termination Cabinets and Spare Fuse Cabinets. The handle is designed to fit doors that hinge on either the left or right side. Cam and adjustable hardware can be rotated accordingly. The lock is steel with a bright plated finish.

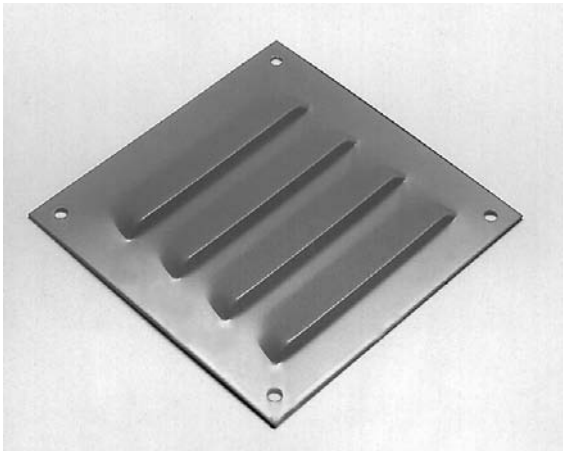
Type 3R Padlock Handle	
Catalog Number	**Description**
25350 A	Type 3R padlock handle

Type 3R Padlock Handle is intended to be used as a replacement mechanism for Type 3R Double-Door Enclosures. It is designed to fit existing 3-pt locking rod and cam assembly. The handle is steel with a bright plated finish.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

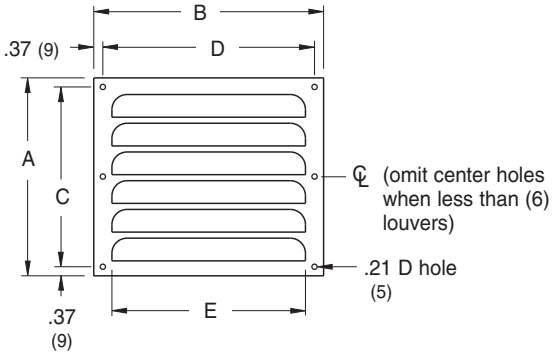
Louver Plate Kits

Accessories

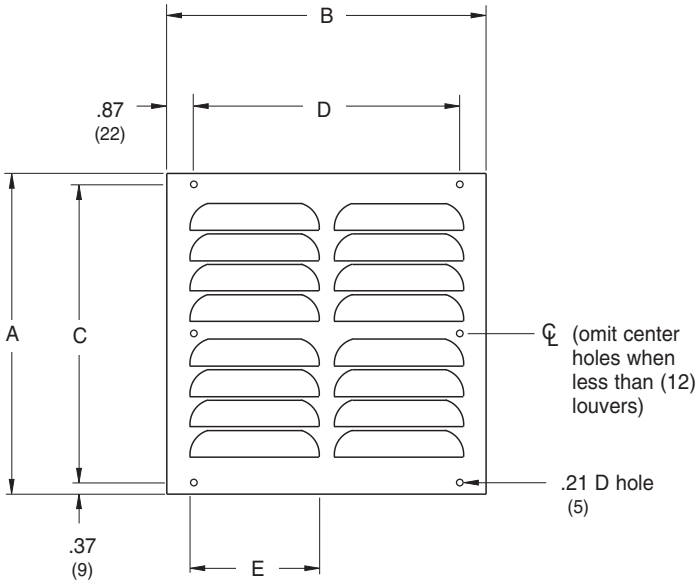


Excellent for providing ventilation in enclosures where external conditions or internal components may cause excessive amount of heat or moisture. Designed to be used with B-Line Systems Filter Kits using the same cut-out and mounting hole configurations. Louver Plate Kits include all of the necessary hardware and instructions for field installation. Plates are constructed from (16) gauge steel and have an ANSI 61 gray polyester powder finish.

Louver Plate Kit	Louver Plate Size								Louver Plate Detail					Enclosure Cut-Out				Area
	A		B		C		D		E		Depth		Quantity	Height		Width		Opening
Catalog Number	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm	in.	mm	(sq.in.)
LPK23	3.25	83	3.25	83	2.50	64	2.50	64	2.00	51	.25	6	3	2.12	54	2.12	54	1.10
LPK33	3.87	98	4.50	114	3.12	79	3.75	95	3.00	76	.25	6	3	2.50	64	3.12	79	1.68
LPK34	4.75	121	4.50	114	4.00	102	3.75	95	3.00	76	.25	6	4	3.37	86	3.12	79	2.20
LPK43	4.50	114	5.50	140	3.75	95	4.75	121	4.25	121	.25	6	3	3.00	76	4.12	105	2.30
LPK44	5.62	143	5.50	140	4.87	124	4.75	121	4.25	121	.25	6	4	4.00	102	4.12	105	3.10
LPK64	5.62	143	7.50	191	4.87	124	6.75	171	5.50	140	.25	6	4	4.25	121	6.12	155	4.10
LPK66	7.87	200	7.50	191	7.12	181	6.75	171	5.50	140	.25	6	6	6.50	165	6.12	155	6.10
LPK84	5.81	148	10.50	267	5.06	129	8.75	222	4.25	108	.25	6	8	4.25	121	8.12	206	6.30
LPK86	8.19	208	10.50	267	7.44	189	8.75	222	4.25	108	.25	6	12	6.50	165	8.12	206	9.50
LPK88	10.56	268	10.50	267	9.81	249	8.75	222	4.25	108	.25	6	16	8.75	222	8.12	206	12.70
LPK812	15.31	389	10.50	267	14.56	370	8.75	222	4.25	108	.25	6	24	13.25	337	8.12	206	19.00



LPK23 to LPK66 Typical

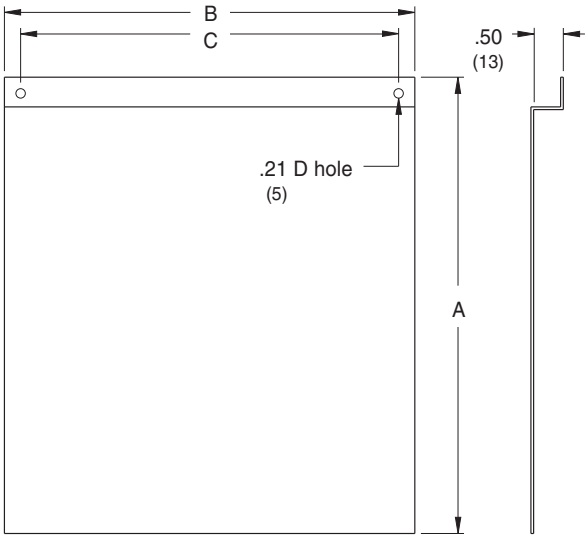


LPK84 to LPK812 Typical

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

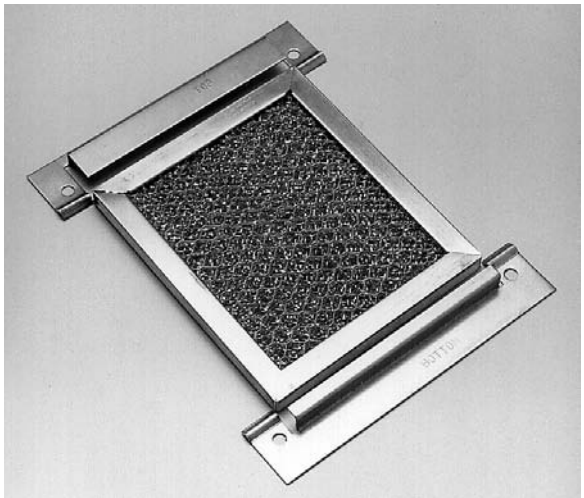
Louver Baffle Plates & Filter Kits

Accessories



Baffle Plates							
Baffle Plate Catalog Number	A		B		C		Used with Louver Plate Catalog Number
	in.	mm	in.	mm	in.	mm	
BP23	3.25	83	3.25	83	2.50	64	LKP23
BP33	3.87	98	4.50	114	3.75	95	LPK33
BP34	4.75	121	4.50	114	3.75	95	LPK34
BP43	4.50	114	5.50	140	4.75	121	LPK43
BP44	5.62	143	5.50	140	4.75	121	LPK44
BP64	5.12	130	7.50	191	6.75	171	LPK64
BP66	7.37	187	7.50	191	6.75	171	LPK66
BP84	5.31	135	9.50	241	8.75	222	LPK84
BP86	7.68	195	9.50	241	8.75	222	LPK86
BP88	10.06	256	9.50	241	8.75	222	LPK88
BP812	14.81	376	9.50	241	8.75	222	LPK812

Baffle Plates are intended to be used with Louver Plates when it is necessary to prevent direct access into the enclosure through the louver opening. The plate is designed to mount to the inside of the enclosure using the same cut-out and mounting holes required to mount the Louver Plate Kit. Plates are (16) gauge steel and have an ANSI 61 gray polyester powder finish. UL Listed.



Filters	
Filter Catalog Number	Used with Louver Plate Catalog Number
FLT33	LPK33
FLT34	LPK34
FLT43	LPK43
FLT44	LPK44
FLT64	LPK64
FLT66	LPK66
FLT84	LPK84
FLT86	LPK86
FLT88	LPK88
FLT812	LPK812

Designed for use with Louver Plate Kits. The Filter mounts securely inside of the enclosure using the brackets and hardware furnished with the kit. The Filter is comprised of finely woven aluminum strips which offers protection against airborne dust and dirt. Periodic washing with warm water is needed to keep the Filter clean. For best results, coating with B-Line Systems Air Filter Adhesive is recommended.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Filter Adhesive, Touch-Up Paint

Data Sheet

Filter Adhesive	
Catalog Number	**Description**
FAS-412	14 oz. Aerosol Spray

Use the filter adhesive to help increase efficiency of air filters. The adhesive spray helps trap small particles that normally pass through the filter and helps protect the elements within.

Touch-Up Paint	
Catalog Number	**Description**
84033	White enamel
84034	ANSI 61 gray

Touch-Up Paint can be used to repair the finish of panels and enclosures. Paint is available in ANSI 61 and White Enamel in 12oz. spray cans.

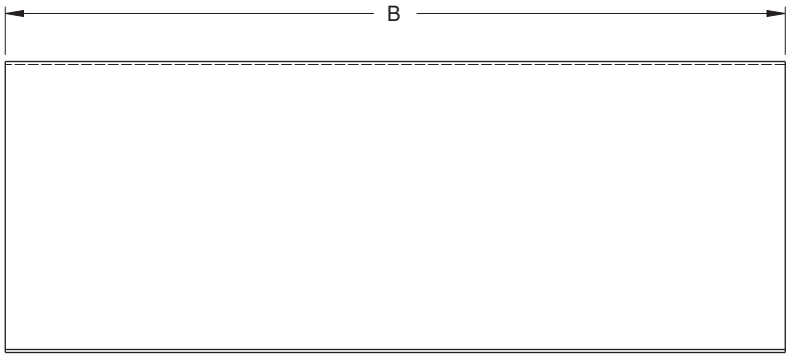
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

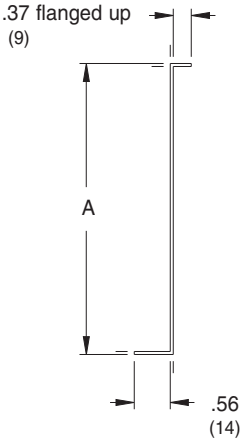
Enclosure Barrier & Shelf Kits

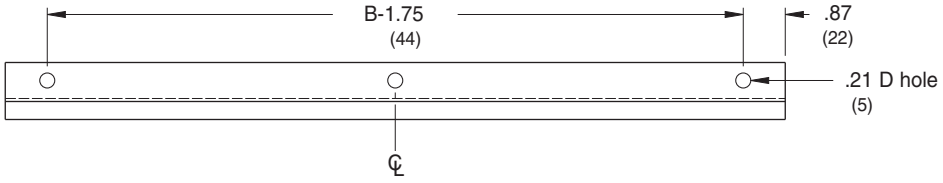
Accessories

Barrier/Shelf Kit Catalog Number	A in.	A mm	B in.	B mm	Fits Enclosure (and larger) Length x Depth in.	Fits Enclosure (and larger) Length x Depth mm
BK412	3.87	98	11.75	298	12.00x4.00	305x102
BK415	3.87	98	14.75	375	15.00x4.00	381x102
BK418	3.87	98	17.75	450	18.00x4.00	457x102
BK424	3.87	98	23.75	603	24.00x4.00	610x102
BK430	3.87	98	29.75	756	30.00x4.00	762x102
BK436	3.87	98	35.75	908	36.00x4.00	914x102
BK448	3.87	98	47.75	1213	48.00x4.00	1219x102
BK612	5.87	149	11.75	298	12.00x6.00	305x152
BK615	5.87	149	14.75	375	15.00x6.00	381x152
BK618	5.87	149	17.75	450	18.00x6.00	457x152
BK624	5.87	149	23.75	603	24.00x6.00	610x152
BK630	5.87	149	29.75	756	30.00x6.00	762x152
BK636	5.87	149	35.75	908	36.00x6.00	914x152
BK648	5.87	149	47.75	1213	48.00x6.00	1219x152

Barrier/Shelf Kits are intended for use with Type 1 and Type 3R Telephone Termination Cabinets. Barrier/Shelf kits can also be used with other types of enclosure designs provided the enclosure dimensions are large enough to fit the Barrier/Shelf (see table). The flanged lip design creates a ridged barrier construction or a shelf for containing and storing spare fuses and other components. Each kit includes all the necessary hardware for field installation. The Barrier/Shelf is constructed from (16) gauge steel and has an ANSI 49 gray primer finish.





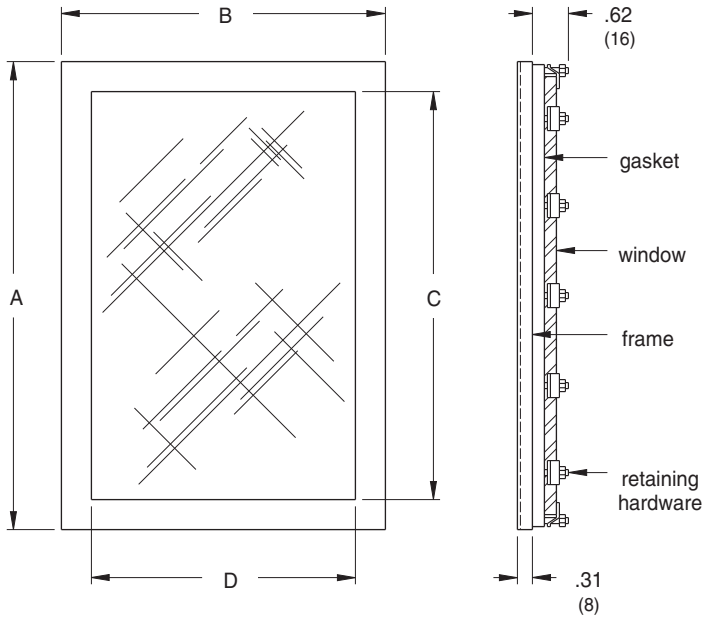


(omit center hole where "B" is less than 23.75)

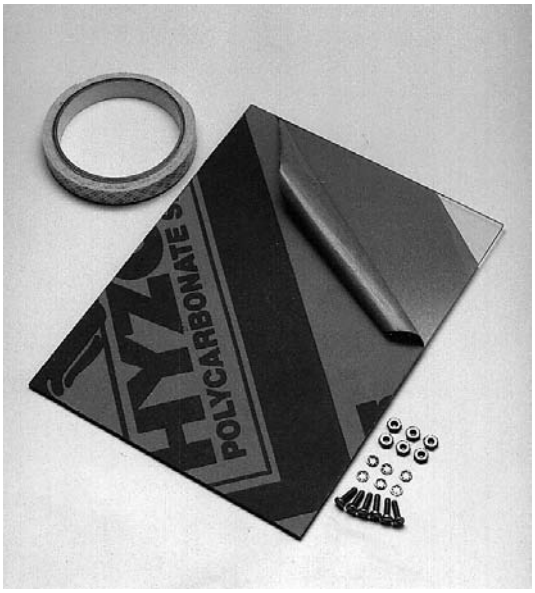
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Window Kits
Accessories

Framed Window Kits Catalog Number		Frame Detail A		Frame Detail B		Window Detail C		Window Detail D		Enclosure Cut-Out	
Steel	Stainless	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
PWK53	PWK53SS	7.50	191	5.50	140	5.00	127	3.00	76	6.62x4.62	168x117
PWK95	PWK95SS	11.50	292	8.00	203	9.00	229	5.50	140	10.62x7.12	270x181
PWK133	PWK133SS	15.50	394	5.50	140	13.00	330	3.00	76	14.62x4.62	371x117
PWK138	PWK138SS	15.50	394	10.50	267	13.00	330	8.00	203	14.62x9.62	371x244
PWK175	PWK175SS	19.50	495	8.00	203	17.00	432	5.50	140	18.62x7.12	473x181
PWK1711	PWK1711SS	19.50	495	13.50	343	17.00	432	11.00	279	18.62x12.62	473x321
PWK2315	PWK2315SS	25.50	648	17.50	445	23.00	584	15.00	381	24.62x16.62	625x422
PWK2919	PWK2919SS	31.50	800	21.50	546	29.00	737	19.00	483	30.62x20.62	778x524
PWK3523	PWK3523SS	37.50	953	25.50	648	35.00	889	23.00	584	36.62x24.62	930x625



Steel Framed Window Kits are designed for use with Type 4 and Type 12 Enclosures. Stainless Steel Framed Window Kits are for use with Type 4X Enclosures, however, they can also be used on Type 4 and Type 12, if additional corrosion protection is needed. Steel kits are constructed from heavy gauge and have an ANSI 61 gray polyester powder finish. Stainless steel kits are constructed from Type 304 stainless and have a brushed finish. Each kit includes a .25 inch (6 mm) thick polycarbonate window and gasket to ensure a tight, oil and water-resistant seal around the enclosure cut-out. Hardware and instructions for field installation are also furnished. UL Listed.



Frameless Window Kits are intended for use with Type 1 and Type 12 Enclosures. Each kit includes a roll of .50 inch (13 mm) wide double-sided adhesive tape and a .12 inch (3 mm) thick polycarbonate window. Instructions for mounting and hardware are also furnished. UL listed.

Frameless Window Kits				
Catalog Number	Window Size in.	Window Size mm	Enclosure cut-out (max) in.	Enclosure cut-out (max) mm
FLWK52	6.00x3.00	152x76	5.00x2.00	127x51
FLWK96	10.00x7.00	254x178	9.00x6.00	229x152
FLWK133	14.00x4.00	356x102	13.00x3.00	330x76

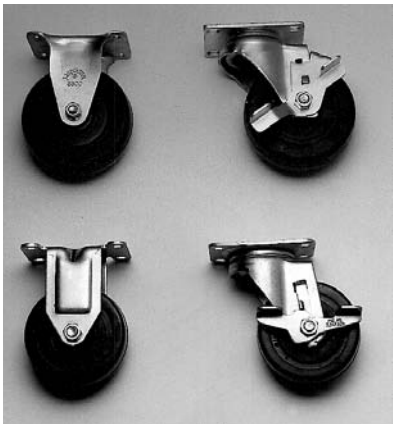
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Hinged Window Kits, Casters and Hole Seals

Accessories

Framed Window Kits	Frame Detail				Window Detail				Enclosure	
	Height		Width		Height		Width		Cut-Out	
Catalog Number	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
HWK1212	12.50	318	12.50	318	10.12	257	10.12	257	11.87x11.87	301x301
HWK1612	16.50	419	12.50	318	14.12	359	10.12	257	15.87x11.87	403x301
HWK2016	20.50	521	16.50	419	18.12	460	14.12	359	19.87x15.87	505x403
HWK2020	20.50	521	20.50	521	18.12	460	18.12	460	19.87x19.87	505x505
HWK2420	24.50	622	20.50	521	22.12	562	18.12	460	23.87x19.87	606x505
HWK3024	30.50	775	24.50	622	28.12	714	22.12	562	29.87x23.87	759x606

Provides a clear view to components mounted inside an enclosure. The window is made of .21-inch thick polycarbonate. All mounting hardware is provided for easy installation. Gasketing along all edges maintains the Type 12 rating. Finished in ANSI 61 gray polyester powder. UL Listed.



Casters for Series AW-9 and AW-14 Consoles		
Catalog Number	Description	Mounting plate size (front to back)
4700-CC	Set of 4 casters, 2 mounting plates and hardware	16”
4700-CC2	Set of 4 casters, 2 mounting plates and hardware	19”

Each set contains 2 swivel casters and two stationary casters. Composition rubber wheel is self-lubricating and has a soft rubber tread with a hard rubber core. Each swivel wheel has a side brake. Each caster has a 200 pound load capacity.

Painted Steel - U.L. listed as Type 3R, 12, 13, & 4
Stainless Steel - U.L. listed as Type 4X

Oil-Tight Hole Seals						
Catalog Number		Application	Max. Hole Diameter		Hole Seal Diameter	
Steel	Stainless		in.	mm	in.	mm
SPBG	SPBGSS	Miniature oil-tight pushbutton holes	0.88	22	1.22	31
SPB	SPBSS	Standard oil-tight pushbutton holes	1.25	32	1.75	44
S050	S050SS	1/2-inch conduit holes	.88	22	1.38	35
S075	S075SS	3/4-inch conduit holes	1.06	27	1.56	40
S100	S100SS	1-inch conduit holes	1.38	35	1.88	48
S125	S125SS	1 1/4-inch conduit holes	1.69	43	2.19	56
S150	S150SS	1 1/2-inch conduit holes	2.00	51	2.50	64
S200	S200SS	2-inch conduit holes	2.50	64	3.00	76
S250	S250SS	2 1/2-inch conduit holes	3.00	76	3.50	89
S300	S300SS	3-inch conduit holes	3.62	92	4.12	105
S350	S350SS	3 1/2-inch conduit hole	4.12	105	4.62	117
S400	S400SS	4-inch conduit holes	4.62	117	5.12	130

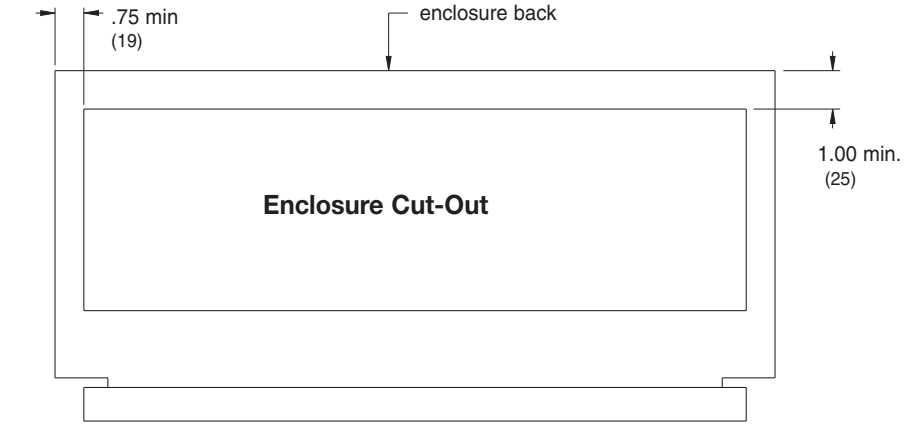
Protects knockout openings and extra pushbutton or conduit openings from dirt, oil, dust and water. Each hole seal has oil-resistant gasketing and plated stud and wing nut. Available in steel finished with ANSI 61 polyester powder or unpainted stainless steel.

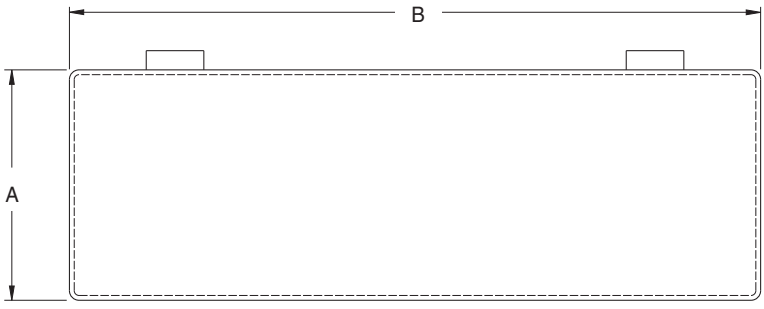
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Gland Plates
Accessories

Catalog Number	Gland Plate Detail				Enclosure Cut-Out	
	A		B			
	in.	mm	in.	mm	in.	mm
GP610	6.00	152	10.00	254	5.00x9.00	127x229
GP618	6.00	152	18.00	457	5.00x17.00	127x432

Intended for use with Type 12 Enclosures and is an excellent means of providing a removable access plate to an enclosure and still maintain its listing. The Gland Plate is constructed from (16) gauge steel and has ANSI 61 gray polyester powder finish. Fastening is done from the inside of the enclosure to prevent tampering. Hardware and instructions are included with the kit. UL Listed.

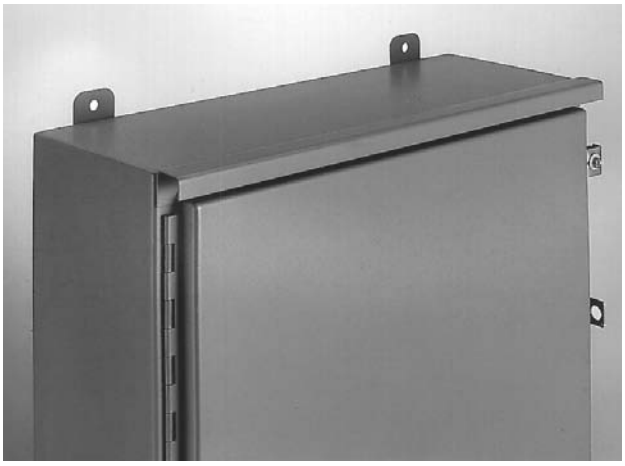




Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

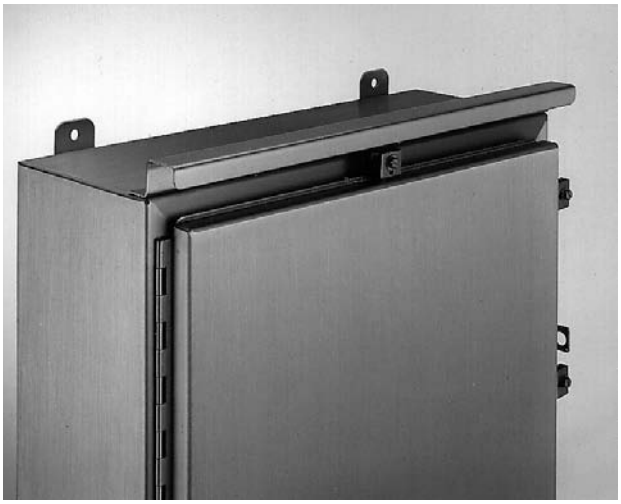
Drip Shield Kits

Accessories



NEMA 12 Drip Shield Kits	
Catalog Number	**Fits Enclosure**
DK12A	12.00 inch wide
DK16A	16.00 inch wide
DK20A	20.00 inch wide
DK24A	24.00 inch wide
DK30A	30.00 inch wide
DK36A	36.00 inch wide

The NEMA 12 Drip Shield Kit is intended for use with Type 12 Single Door Wall-Mount Enclosures. It offers protection to the door and hardware from dripping water and falling dust. The drip shield is constructed from (14) gauge steel and has an ANSI 61 gray polyester powder finish. It attaches to the enclosure front, above the door. The kit includes a drip shield, stainless steel clamps, hardware and sealing compound. UL Listed



NEMA 4X Drip Shield Kits	
Catalog Number	**Fits Enclosure**
DK12SS	12.00 inch wide
DK16SS	16.00 inch wide
DK20SS	20.00 inch wide
DK24SS	24.00 inch wide
DK30SS	30.00 inch wide
DK36SS	36.00 inch wide

The NEMA 4X Drip Shield Kit is intended for use with Type 4X and Type 4 Single Door Wall-Mount Enclosures. It offers protection to the door and hardware from dripping water and falling dust. The drip shield is constructed from (14) gauge steel and has a fine brushed finish. The shield attaches to the enclosure top front. The kit includes a drip shield, stainless steel hardware, and sealing compound. UL Listed.

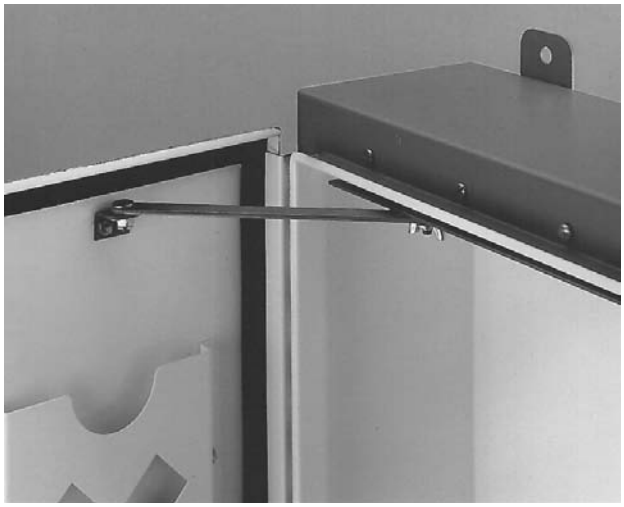
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Door Stop Kit & Folding Shelf Kits

Accessories

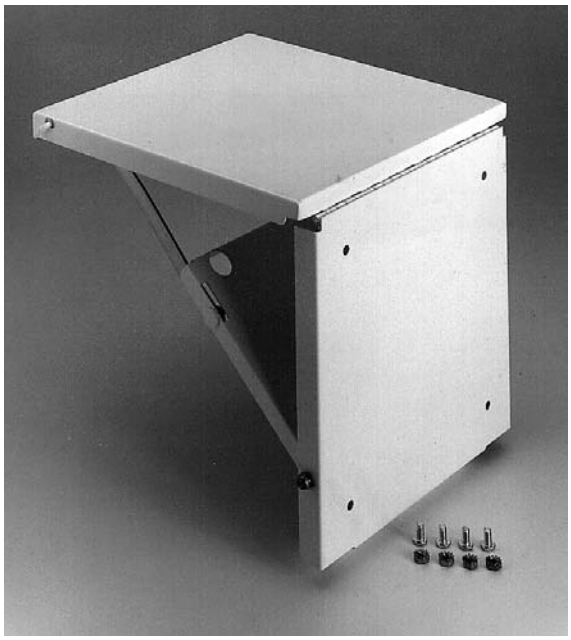
Door Stop Kit	
Catalog Number	**Description**
DSTOPK	Door stop kit

Door Stop Kits are intended for most Type 4 and Type 12 Single Door Wall-Mount Enclosures that have a minimum width of 16 inches. The kit is designed to mount at the top or bottom of the door opening. When properly installed the door can be held open approximately 135°. Tools are not necessary to affix or release the stop. When not in use the assembly folds and locks neatly away. Each kit contains detailed mounting instructions and all the necessary hardware for field assembly.



Folding Shelf Kit	
Catalog Number	**Description**
FSHELF12	12 x 12 Flat mounting surface
FSHELF18	18 x 18 Flat mounting surface

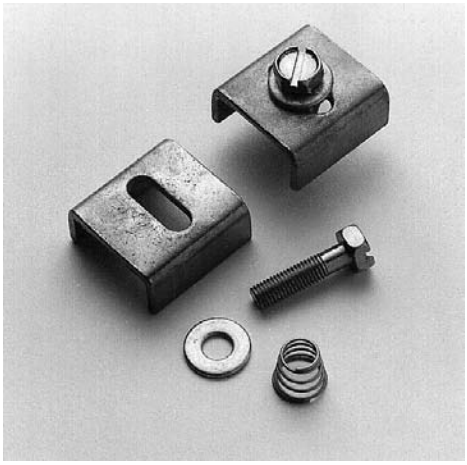
The folding shelf is intended to mount inside or outside of enclosure to support components, sensitive instruments and other equipment which may be integral to the enclosure. When properly installed the shelf will fold open into a locked position perpendicular to the mounting surface. When not in use, the shelf folds down into a locked position. The Folding Shelf is constructed from heavy gauge steel and has a white polyester powder paint finish.



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

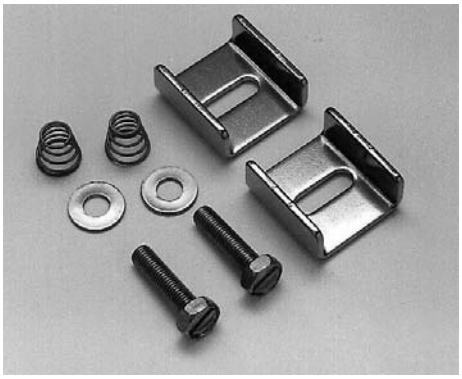
NEMA Door Clamp Kits

Accessories



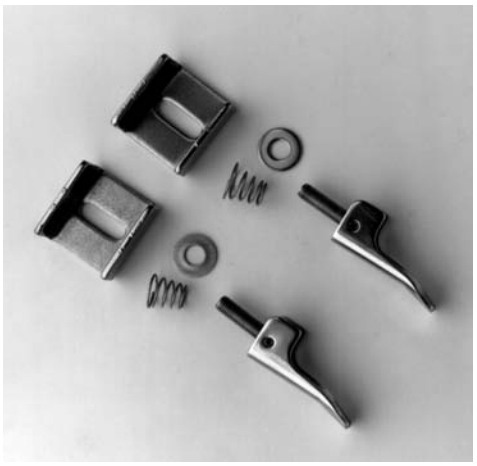
Type 12 Door Clamp Kit		
Catalog Number	**Description**	**Quantity**
N12CK2	Door clamp kit	1 Kit

This kit is intended as replacement clamp parts on Type 12 Single Door Wall-Mount Enclosures. Each kit contains two each - door clamps, screws, springs and washers. The clamps, screws and washers are plated steel, the springs are stainless steel.



Type 4 & 4X Door Clamp Kit		
Catalog Number	**Description**	**Quantity**
N4XCK2	Door clamp kit	1 Kit

This kit is intended as replacement clamp parts on Type 4X and Type 4 Wall-Mount and Floor Standing Enclosures. Each kit contains two each - door clamps, screws, springs and washers. All clamp parts and hardware are stainless steel.



NEMA Fast-Access Clamp Kit		
Catalog Number	**Description**	**Quantity**
FC412SS	Fast-clamp, stainless steel	1 Kit

This kit is intended to be used in place of standard NEMA door clamps to provide quick access into an enclosure. Clamps will fit Type 4X, 4 and 12 Single Door Wall-Mount Enclosures. They will also replace the clamps used on Type 4X and Type 4 Floor Standing Enclosures. Each kit contains two each - door clamps, fast access screw fasteners, springs and washers. Gasket compression is controlled by turning the handle in or out of the bracket. UL Listed.

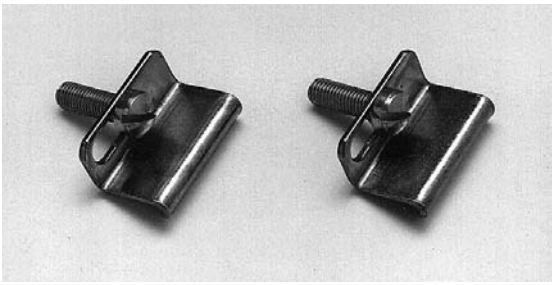
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

JIC Cover Clamp Kits

Accessories

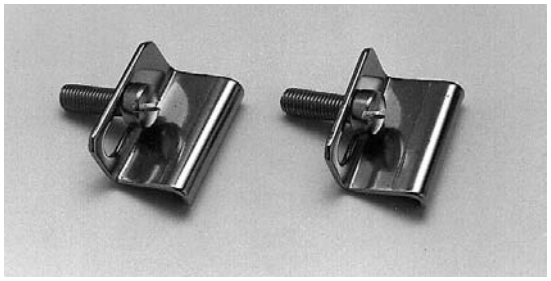
JIC 12 Cover Clamp Kit		
Catalog Number	**Description**	**Quantity**
J12CK2	Cover clamp kit	1 Kit

This kit is intended as replacement clamp parts on all JIC Type 12 hinge cover and clamp cover devices. Clamps will also fit NEMA 12 Feed-Through Wireway and NEMA 12 Wiring Trough. Each kit contains two each - plated steel cover clamps and plated screws.



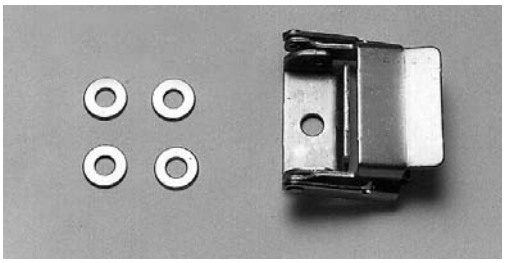
JIC 4 & 4X Cover Clamp Kit		
Catalog Number	**Description**	**Quantity**
J4XCK2	Cover clamp kit	1 Kit

This kit is intended as replacement clamp parts on all JIC Type 4X and JIC Type 4 Wall-Mount and Floor-Standing Enclosures. Each kit contains two each - stainless steel cover clamps stainless steel screws.



JIC Fast-Access Clamp Kit		
Catalog Number	**Description**	**Quantity**
L23	Fast-clamp, steel	1
L23SS	Fast-clamp, stainless	1

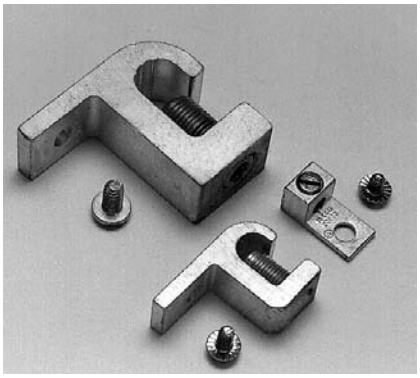
This kit is intended to be used in place of standard JIC cover clamps to provide quick access into an enclosure. Clamps will fit JIC Type 4X, 4 and 12 hinge and clamp cover enclosures. They will also replace the clamps used on NEMA 12 and 4X Feed-Through Wireway and NEMA 12 and 4X Wiring Trough. These clamps will **not** fit the JIC screw or quick-release cover designs. Each kit includes washers for fitting between the enclosure bracket and the fast-access clamp to control gasket compression. Kits are available in plated steel (Type 12 Enclosures) and stainless steel (Type 4X & 4 Enclosures). UL Listed.



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

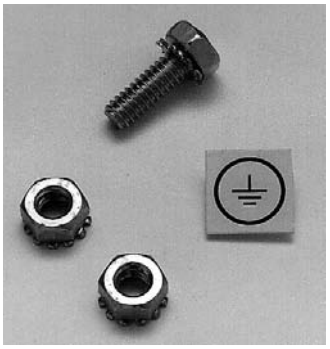
Ground Lug Kits, Grounding Devices & JIC Padlock Kit

Accessories



Ground Lug Kits		
Catalog Number	**Wire Range**	**Fastener**
10184 A	#6-#14 AWG CU/AL	#10-32
10184 B	1/0-#14 AWG CU/AL	#10-32
10184 C	250MCM-1/0 CU/AL	.25-20

Ground Lug Kits are intended to provide a means for equipment grounding for most enclosures. Lug sizes 1/0 and above have a “J” shaped design to lay-in wire and cable. The fastener is colored green to meet NEC standards for grounding devices.



Grounding Device						
Catalog Number	**Description**	**Approximate Wire Size**	**Length Between Ring Terminals**		**Ring Terminal For Stud Diameter**	
			in.	**mm**	**in.**	**mm**
GLK2	Grounding Kit	-	-	-	-	-
GS88	Grounding Strap	#8	8.00	203	.250	6
GS816	Grounding Strap	#8	16.00	406	.250	6
GS48	Grounding Strap	#4	8.00	203	.375	10
GS416	Grounding Strap	#4	16.00	406	.375	10

C.S.A. Grounding Kit is intended for use on Industrial Control Enclosures with panels where product must comply with Canadian Standards Association (C.S.A.) requirements. The kit includes hardware, labels and instructions for application.

The grounding strap is used to provide electrical continuity between metal parts which must be electrically connected. The strap is stranded copper with a ring terminal at each end. The strap is insulated in green wrap.

JIC Padlock Kit	
Catalog Number	**Description**
PLKJIC	Padlock Kit
PLKJICSS6	Padlock Kit Type 316 Stainless Steel

The JIC Padlock Kit is designed to field install on all JIC type and Larger Type 12 CHSC Enclosures. Mounting hardware and instruction are provided.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Operator Adapter Kits, Hardware Packages

Accessories

Operator Adapter Kits	
Catalog Number	**Brand and Type of Operator**
AP-ABFD	Allen-Bradley 1494F and 1494D
AP-ABV	Allen-Bradley 1494V
AP-CH	Cutler-Hammer C361, C371/ABB Controls
AP-GE	General Electric STDA
AP-ITE	I-T-E Max-Flex
AP-SD	Square D Class 9422, (variable depth only)
AP-WSM	Westinghouse SM
AP-WAMT	Westinghouse AMT (below handle) and Flex Shaft™

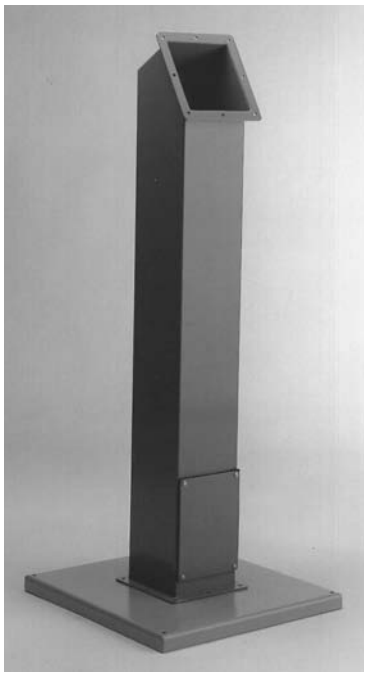
Intended for use on all B-Line Systems disconnect enclosures with universal cutouts. Adapter kits are required to install a disconnect in B-Line Systems enclosures with universal mounts. Each kit contains an adapter plate and all parts used to interlock the disconnect operating mechanism with the master door. Installation instructions are included in each kit.

Hardware Packages			
Catalog Number	**Description**	**Typical Use**	**Quantity**
10168	#8-32 x .375 inch self tapping steel screw	Perforated panels	20
10169	#10-32 screw	JIC 12 & 14, small 3R & 1 panel mtg	4
10240 A	#10-32 stainless screw	JIC 4X panel mtg	4
10242 A	.375-16 stainless flange nut	NEMA 4X panel mtg	4
10242 B	.375-16 stainless flange nut	NEMA 4X panel mtg	6
10242 C	.375-16 stainless flange nut	NEMA 4X panel mtg	8
10242 D	.375-16 stainless flange nut	NEMA 4X panel mtg	10
10243 A	.375-16 flange nut	NEMA 12 & 4, large 3R panel mtg	4
10243 B	.375-16 flange nut	NEMA 12 & 4, large 3R panel mtg	6
10243 C	.375-16 flange nut	NEMA 12 & 4, large 3R panel mtg	8
10243 D	.375-16 flange nut	NEMA 12 & 4, large 3R panel mtg	10
10108 A	Formed hinge and screw	RTHC cover mtg	2
10118 A	#10-32 gasketed screw	WPSC cover mtg	10
10129 A	Oval head screw, cupped washer	Type 1 telephone cabinet cover mtg	10
10119 A	#10-32 retaining screw & washer	JIC-SC, consolet, console, pushbutton cover mtg	10
10166 A	10-32 x .50 inch steel screw	Miscellaneous cover mtg	20
10167 A	10-32 x .50 inch stainless screw	MIscellaneous cover mtg	20

A variety of Hardware Packages intended to be used as replacement hardware parts for the different styles and types of B-Line Systems enclosures. For more information or for availability of other replacement parts consult the factory.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Columns & Bases
Accessories



Construction
- Columns are fabricated from (14) gauge steel and provide rigid support of mounted equipment.
- Flanges are (10) gauge steel
- All continuous welded seams are finished smooth
- External and internal edges are rounded to prevent injury or damage to cables
- Column has a gasketed access plate
- Kit consisting of a box connector, gasket and hardware is furnished
- Top flange of angle column type is at a 60˚ angle to the floor
- Bases have hole pattern suitable for any size or type column
- Floor mounting holes and leveling screws provided with each base

Finish
- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Standards
- Conforms to NEMA standard for Type 13 and Type 12

Application
- Enable floor mounting of various types of enclosures.
- Designed to support enclosures at a 60˚ angle to the floor

Columns

Catalog Number	Type	Column Size A x B Width x Depth in.	Column Size A x B Width x Depth mm	Access Opening Height x Width in.	Access Opening Height x Width mm
AC-44COL	Straight	4.00x4.00	102x102	6.00x2.75	152x70
AC-44ACOL	Angled	4.00x4.00	102x102	6.00x2.75	152x70
AC-66COL	Straight	6.00x6.00	152x152	6.75x4.75	171x121
AC-66ACOL	Angled	6.00x6.00	152x152	6.75x4.75	171x121

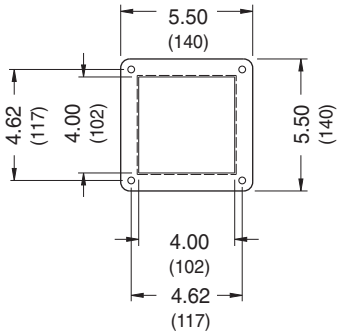
Bases

Catalog Number	Base Size A x B Width in.	Base Size A x B Depth mm	C in.	D mm
AC-1818BASE	18.00x18.00	457x457	17.00x17.00	432x432
AC-2424BASE	24.00x24.00	610x610	23.00x23.00	584x584

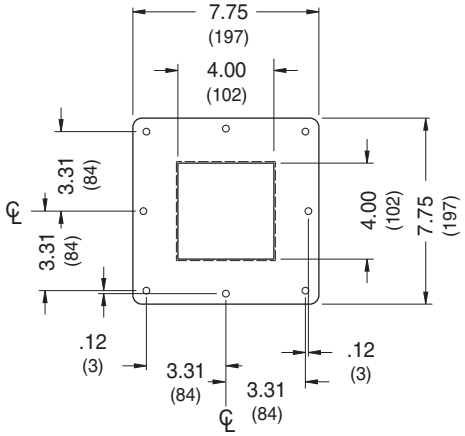
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Flange Detail

4.00 x 4.00

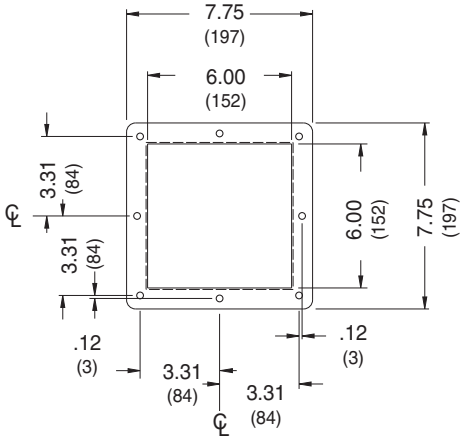


Top Flange

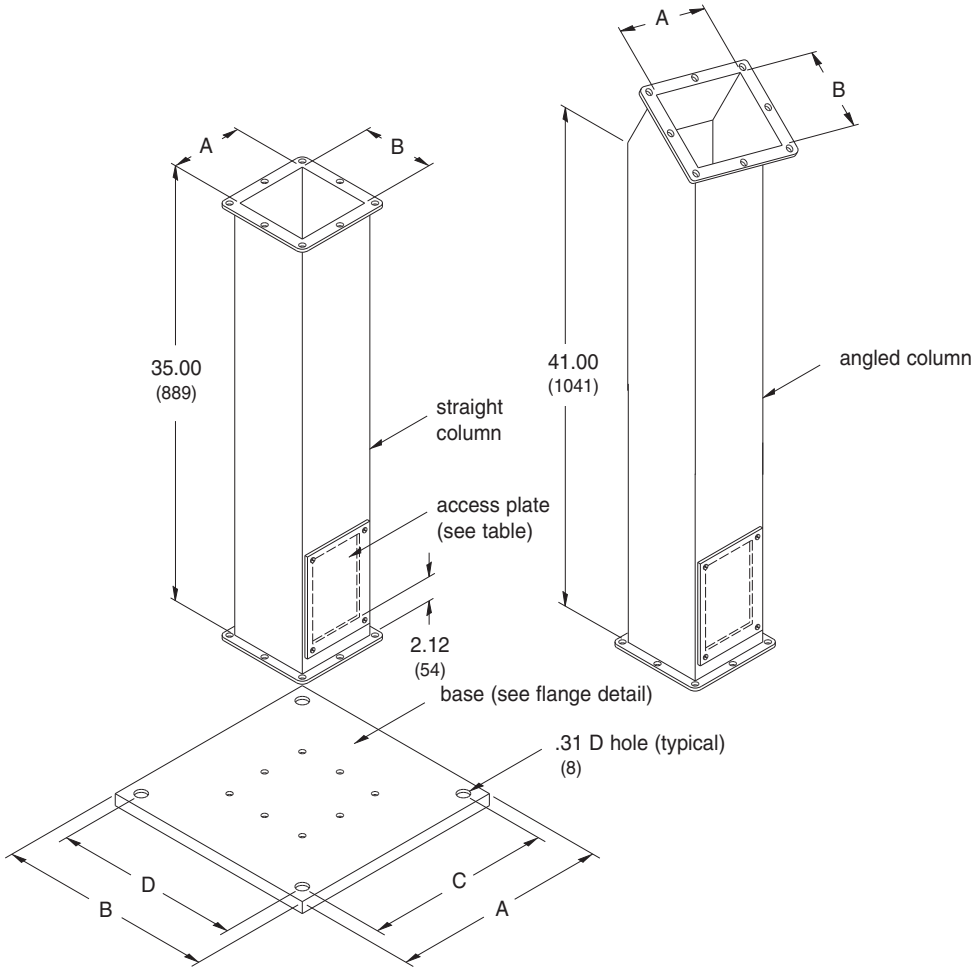


Bottom Flange

6.00 x 6.00



Top & Bottom Flange



Notes: Flange holes are .28 D. Flange radii are .37 R. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

Print Pockets		
Catalog Number	Length x Width in.	mm
32170	6”x 6”	152x152
32171	10”x10”	254x254
32172	9”x12”	229x305

Print pockets provide a convenient place to store operation manuals, diagrams, or other documents inside the enclosure. Thermoplastic pockets are gray and have cut away areas for viewing contents. Pockets have adhesive backing for mounting inside on enclosure door.

S Series
Standard Plug

L Series
Twist Lock Plug

Power Strips			
Power Strip Type	Power Strip Number	Weight Each Lbs	(kg)
2.5 ft, 6 Port	**E2-PS-2.5F-6P-15A-S**	3.0	(1.3)
3.5 ft, 6 Port	**E2-PS-3.5F-6P-15A-S**	4.0	(1.8)
5 ft, 10 Port	**E2-PS-5F-10P-15A-S**	4.0	(1.8)
6 ft, 12 Port	**E2-PS-6F-12P-15A-S**	4.0	(1.8)
2.5 ft, 6 Port	**E2-PS-2.5F-6P-15A-L**	3.0	(1.3)
3.5 ft, 6 Port	**E2-PS-3.5F-6P-15A-L**	4.0	(1.8)
5 ft, 10 Port	**E2-PS-5F-10P-15A-L**	4.0	(1.8)
6 ft, 12 Port	**E2-PS-6F-12P-15A-L**	4.0	(1.8)
2.5 ft, 6 Port	**E2-PS-2.5F-6P-20A-L**	5.0	(2.2)
3.5 ft, 6 Port	**E2-PS-3.5F-6P-20A-L**	7.0	(3.2)
5 ft, 10 Port	**E2-PS-5F-10P-20A-L**	6.0	(2.7)
6 ft, 12 Port	**E2-PS-6F-12P-20A-L**	7.0	(3.2)

Rack
Mount

Rack Mount Power Strips			
Power Strip Type	Power Strip Number	Weight Each Lbs	(kg)
19” Rack Mount-Surged	**E2-PS-RM-6P-15A-SS**	2.0	(0.9)
19” Rack Mount-Non Surged	**E2-PS-RM-6P-15A-NS**	2.0	(0.9)

Rack mount power strips available in surge and non-surge design. Both with six (6) port configuration and 15 ft. (1.8m) cord.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

Electrical Interlocks		
Catalog Number	**Description**	**Volts/Hz**
BAEK115NDH	Electrical Interlock	120/60

The BAEK115NDH is designed to be used with standard B-Line enclosures that have no handles. This interlock requires drilling several holes in the cover and the body for mounting.

Electrical Interlocks		
Catalog Number	**Description**	**Volts/Hz**
BAEK115	Electrical Interlock	120/60

The BAEK115 is designed to be used with standard B-Line door latching mechanisms. When turned on, this interlock will prevent the door handle from being turned to open the door. This interlock is designed to fit handles in the following enclosures:

(A) All two door NEMA 12 enclosures
(B) Free standing NEMA 12 enclosures
(C) All consoles
(D) All single door NEMA 12 enclosures which have 3 pt. handle mechanisms.
(E) Two door NEMA 12 enclosures for flange-mounted disconnects
(F) Modular NEMA 12 enclosures
(G) Multi-door NEMA 12 enclosures

Electrical Interlock Defeater	
Catalog Number	**Description**
BAEKDF	Defeater

This defeater is key operated and enables personnel to enter an enclosure while the enclosures internal components are energized. Turning the key disengages the circuit to the electrical interlock.

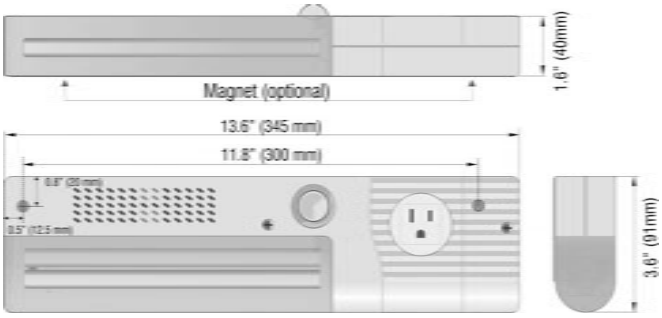
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Enclosure Lights
Accessories

New

ELS25-120

ELMS25-120



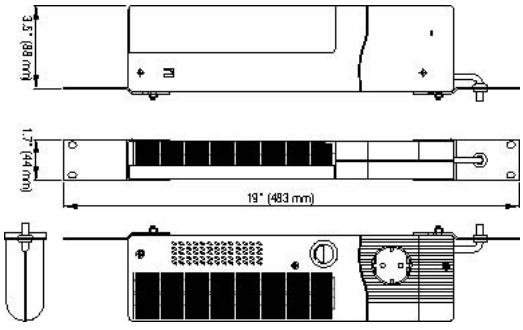
Enclosure Lights	
Catalog Number	**Description**
ELS25-120	Enclosure Light with on/off switch
ELMS25-120	Enclosure Light with motion sensor

The ELS25 light was designed to fit in tight spaces in enclosures. It features an optional integrated receptacle so that electrical devices (e.g. power tools) can be easily plugged in when needed. The standard light can be screw mounted in a variety of positions, or the light can be fitted with a magnet mount (sold separately - consult factory). The motion sensor version was designed to eliminate the need for a door switch.

Technical Data	
Operating voltage:	110-120V/50-60 Hz
Lamp type:	Compact fluorescent light bulb
Power consumption:	11 W (~75W incand.), Base: 2G7, electronic ballast
Light intensity:	900 Lm
Lamp life:	5,000 hours
Switch:	On/off switch (for light only)
Motion sensor:	PIR = Passive Infrared (see note)
Receptacle:	US/Canada, 120 VAC, 15A max.
Connection:	3 pole screw terminal for AWG 14 max. (2.5 mm^2) (includes cable strain relief)
Mounting:	M5 screws (not included), 11.8" (300mm) hole distance or optional attached magnet (contact factory)
Dimensions:	Length 13.6" (l345m) x Width 3.6" (91mm) x Depth 1.6" (40mm)
Housing:	Plastic UL94V-0
Weight:	0.9 lbs. (0.4 kg) - 1.3 lbs. (0.6 kg) with magnet
Protection Type:	IP 20
Agency Approvals:	VDE, UL

Note: A passive infrared (PIR) motion sensor detects the motion of the enclosure door being opened and automatically turns on the light. The sensor is factory pre-set to turn the light off 5 minutes after all motion ceases. The motion sensor does not detect movement through glass or fiberglass, thus allowing installation in enclosure with glass doors.

The ELMSRM25 light is suitable for lighting in 19" racks, e.g. for key-boards. Because of the flat design of the light, only one rack unit (43.6mm) in height is needed. Additionally, it is fitted with a reflector which serves as a glare shield, thereby illuminating the area below the light only.
The light also features an integrated receptacle, allowing for the use of additional electrical devices. such as power tools.



Enclosure Lights	
Catalog Number	**ELMSRM25-120**

Technical Data	
Operating voltage:	110-120V/50-60 Hz
Lamp type:	Compact fluorescent light bulb
Power consumption:	11 W (~75W incand.), Base: 2G7, electronic ballast
Light intensity:	900 Lm
Lamp life:	5,000 hours
Switch:	On/off switch (for light only)
Receptacle:	US/Canada, 120 VAC, 15A max.
Connection:	3 pole screw terminal for AWG 14 max. (2.5 mm^2) (includes cable strain relief only - no cable provided)
Mounting:	Screws mounting (max. 1/4")
Mounting bracket:	Aluminum, with cable bushing
Dimensions:	Lamp 13.6" (345mm) x Width 3.6" (91mm) x Depth 1.6" (40mm) total length 19" (482mm)
Housing:	Plastic UL94V-0
Weight:	1.1 lbs. (0.5 kg)
Operating Temp:	-4°F to +122°F (-20°C to +50°C)
Storage Temp:	-49°F to +158°F (-45°C to +70°C)
Protection Type:	IP 20
Protection class:	I (grounded) with receptacle, II (double insulated) w/out receptacle
Agency Approvals:	VDE, UL

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

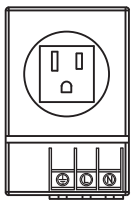
Enclosure Receptacles
Accessories

Receptacles for Enclosures	
Catalog Number	**Description**
ER1	USA/Canada
ER2	Germany
ER3	France/Benelux
ER4	Switzerland
ER5	Great Britain/Ireland

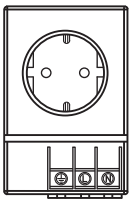
Provide a safe and convenient method for adding a receptacle/outlet inside electrical enclosures.

Technical Data	
Maximum ratings:	15 amps @125 VAC
Mounting:	Clip for 35 mm DIN rail, EN 50022
Connection:	3xAWG14 max. (2.5 mm)
Dimensions:	3.6x2.4x1.9" (92x62x48 mm)

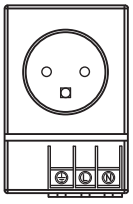
USA/Canada



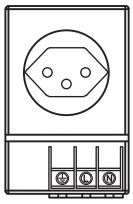
Germany



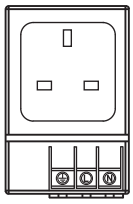
France



Switzerland



GB



CE

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

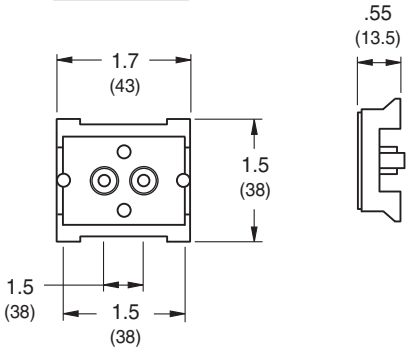
Component Mounting Device

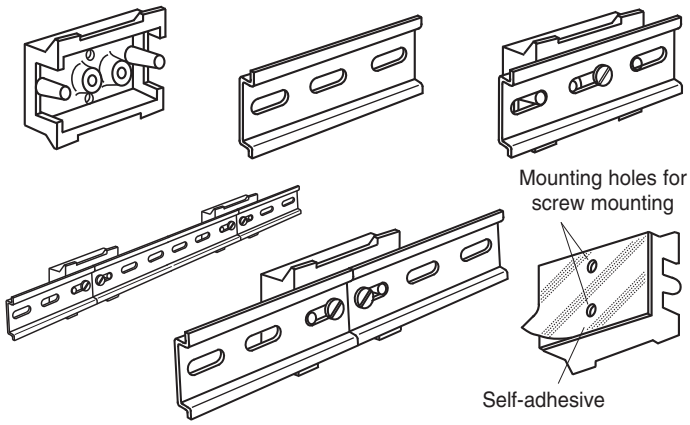
Accessories

Component Mounting Device	
Catalog Number	**Description**
ECMD1	Small mounting aid

B-Line's component mounting device is a small mounting aid especially designed to make mounting of small 35 mm DIN rail mountable components easier. It can be used whenever the installation of a 35 mm DIN rail is impractical, or when there is not enough space left in an enclosure. Because of its industrial grade self-adhesive it can be installed much easier and quicker than a conventional DIN rail, without hole drilling and screw mounting. B-Line's component mounting device can hold components up to 1.1 lbs in weight. The initial adhesive power is 40%. After 24 hours, it has its full holding power of 1.1 lbs. ECMD1 can also be screw mounted if a more secure mounting is desired or if the surface is rough. All that is necessary to install B-Line's ECMD1 is a smooth and clean surface. Sold in packages of five (5).

Technical Data	
Application:	Direct attachment of small components and 35 mm DIN rails, EN 50022
Capacity:	0.44 lb. (200 g) initially 1.1 lb (500 g) after 24 hour waiting period
Mounting Surface:	All smooth surfaces, (e.g. metals, laquered surfaces, plastics other than polyethylene, polypropylene and rubber). Mounting surface must be dry and free from dust, oil, separating agents and other contamination.
Dimensions:	1.7x1.5x0.55" (43x38x14 mm)
Hole pattern:	0.5" distance, Δ 0.14" (12.8 mm; Δ 3.6 mm)
Material:	polyamide (rated UL 94V-0) with non-deteriorating high-performance adhesive
Temperature range:	-22° to +131°F (-30° to +55°C)
Included:	mounting screw for perforated 35 mm DIN rail, EN 50022





CE

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

CLIMATE CONTROL PRODUCTS

Air Conditioners 390
Heat Exchangers 406
Fans 409
Blowers 411
Heaters 412
Thermostats 416
Humidity and Temperature Controls 416

Air Conditioners

Climate Control

B-Line Systems selected Kooltronic as its air conditioner supplier because the Kooltronic line offers the most extensive selection of cooling capacities, sizes, mounting configurations and power inputs available. Capacities range from 1,000 to 22,000 BTU/H in vertical panel-mounted and horizontal models. Most models use centrifugal blower-driven air systems for maximum penetration. All are engineered for full-capacity performance at ambient temperatures up to 125˚F. Additionally, custom air conditioners can be designed and manufactured to meet your unique specifications.

Closed-loop air conditioners seal enclosures, cool, dehumidify and recirculate the clean air through the electronics to provide protection from high temperatures or airborne contaminants. The TrimLine Air Conditioner line offers a narrow profile complemented by the innovative M/TAB (Mounting Template and Assembly Bracket) mounting system.

All air conditioners feature a Control (hot gas) Bypass Valve, causing "cycle-free" compressor operation for greater reliability, longer life for the compressor and control system and more stable equipment temperature. The continuously operating compressor and non-electric control system provide thermostat-free automatic temperature regulation over a broad range of operating conditions and eliminate the transients produced during compressor start-up. Since many applications require thermostatic control to prevent over cooling, a Low Temperature Control has been made standard on most models and is available on all models.

Each air conditioner is engineered for performance and built for reliability. Most units are UL and cUL listed or recognized and maintain compliance with Type 12, Type 4 or Type 4X enclosure rating as specified.

General Specifications for all Air Conditioners

Closed-Loop Cooling: The enclosure interior airflow system is isolated from the ambient airflow or waterflow system. No ambient air can invade the cool, dehumidified sensitive component compartment.

Ball-Bearing Motors: All blower motors are UL/CSA recognized and include automatic-reset thermal overload protection and double-sealed or double-shielded precision ball bearings. Special permanent lubricants perform over a broad temperature range: -20˚F(-29˚C) to 250˚F (121˚C).

Rugged Construction: Precision-engineered heavy gauge steel construction of all cabinets and blowers ensures air conditioners will stand up under tough applications.

Baked Epoxy Finish: Durable, baked-on gray epoxy finish is standard. Other finishes are available.

Power: Available in 115 or 230 VAC, 50Hz, 60 Hz or 50/60Hz switchable.

Refrigerants: CFC-Free R134a is used where compressors are available. All other units contain low ozone depleting R22. The model number reflects the refrigerant. A 4 between the A and C denotes R134a whereas a 3 denotes R22.

Permanent Filters: Multi-layer grid of sturdy, corrugated aluminum in an aluminum frame. May be reused after washing off accumulations and applying with adhesive spray. Filters are not required on water-cooled models.

Condensate Disposal: Condensate drain fitting and hose are included. Built-in Condensate Evaporators are standard on Trim-Line models and some standard models, see series sections.

Power Cord: All models are supplied with six foot type SJT three-wire power cords. Air conditioners rated at 16.0 amps or less are supplied with plugs. Air conditioners rated at more than 16.0 amps are supplied without plugs for direct wiring to power source.

Insulation: All cold components, lines and the evaporator compartment are insulated with high-performance insulation for maximum efficiency and to prevent condensation.

Gasketing: All units are fully gasketed for tight, leakproof installation and maintain compliance with Type 12, Type 4 or Type 4X enclosure rating.

Quality Assurance: Refrigeration system components are kept sealed until charged with refrigerant; all brazed joints are thoroughly leak tested; each unit is functionally tested at full rated heat load temperatures before shipment; copy of test results is included with each air conditioner.

Installation: Detailed Installation and Operator's Manual, with drawings, mounting plan and spare parts list is included with each unit.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Cooling Electronic Control Cabinets

Most electronic control systems generate a substantial amount of heat during operation. This heat factor is intensified as electronic controls are made more compact, perform more functions and are placed in confined areas. Additional problems are encountered when the electronic process control system is located on-line in an industrial setting, rather than in a clean computer room. The factory environment can be hostile to the point that performance and effective life of the electronic components are materially reduced or the control system fails completely. Ambient temperature might be excessively high, as that found in a steel mill. Moisture-laden air and airborne particulate matter might be present to adversely affect the electronic components, as in the paper manufacturing industry. Air conditioners are designed to perform reliably under many of these harsh conditions and to provide the cooling and environmental protection required by sensitive electronic production control systems.

Factors Affecting Model Selection

This section is presented as a basic outline or checklist of the various application conditions to be considered when choosing a cooling unit. These are the factors which must be considered when selecting a cooling unit:

Internal Heat Load

This is the heat dissipated by the electronic controls. It is expressed in watts. One WATT equals 3.413 BTU/HR. Thus, to obtain the approximate cooling capacity required to remove a specific heat load, the following formula can be used:
Watts x 3.413 - BTU/HR.
For example, a heat load of 800 watts, require an air conditioner capable of removing at least 2,730 BTU/HR.

Resistance to Air Flow in the Enclosure

Air flow is measured in cubic feet per minute (CFM). To create an air flow of any desired velocity requires that pressure be produced by the blower. Resistance to this blower-produced air flow is created by obstructions within the cabinet in the air flow path. The resistance itself is called static pressure (SP) and is measured in inches of water column.The effect of significant restrictions in the cabinet air flow path are as follows:

- the obstructions cause static pressure.
- static pressure results in a pressure drop, or differential, from the air velocity produced by the blower.
- this reduction in cool air flow will decrease the effective capacity of the cooling unit. Allowance must be made for static pressure.

Heat Load from the Surroundings

Ambient conditions can cause a heat gain in the enclosure. The rated capacity of the cooling unit must be sufficient to handle this heat gain. When evaluating the additional heat load gained from the surroundings there are two possible conditions:

- the cabinet is insulated and well sealed
- the cabinet is not insulated.

Cabinet Insulated - Normally, well-insulated cabinets do not gain sufficient heat from the surroundings to affect the air conditioner operation. BTU/HR ratings for Kooltronic air conditioners have been established at the maximum ambient operating temperature of 125˚F. A substantial improvement in heat removal occurs when operating in ambient temperatures below 125˚F.

Cabinet Not Insulated - Obviously, this design places more of a burden on the cooling unit. Heat is conducted to the cool side. Thus, high ambient heat will be readily transmitted into the cooler enclosure. To determine the additional capacity required of an air conditioner installed in an uninsulated cabinet, the surface area of the enclosure must be calculated to obtain the total effective heat transfer area. For this calculation, use the surface area of the sides, plus the area of the top and omit the bottom area of the cabinet.
Air movement outside the uninsulated cabinet will increase the heat conducted from the ambient into the enclosure. When there is little or no air circulation outside the cabinet, the layer of air immediately adjacent to the exterior cabinet walls acts as an insulating film. Exterior air movement dissipates this insulating layer of air in proportion to the velocity of the air flow. Substantial ambient air circulation will increase the transmitted heat load imposed on the cooling unit.
If the cabinet being cooled is not air tight, high ambient relative humidity will adversely affect the cooling effectiveness of the air conditioner. When humid air infiltrates a poorly sealed enclosure, the air conditioner is required to use up valuable capacity just to condense the moisture from the internal air.
Conversely, if the cabinet is well sealed, high ambient relative humidity has very little effect on the rated capacity of the air conditioner.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Air Conditioners Sizing & Selection

Climate Control

The proper selection of an air conditioner is determined by the following criteria:

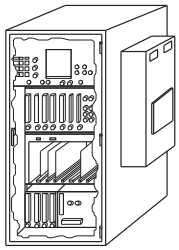
1) Required cooling capacity BTU/HR.

2) Mounting requirements (top, side or internal mounting)

3) Dimensions of air conditioner & enclosure

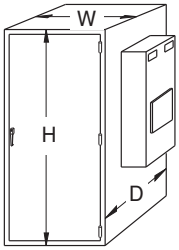
To determine air conditioner capacity required:

First



1 Watt = 3.413 BTU/HR
Determine the internal Watts of heat to be dissipated.

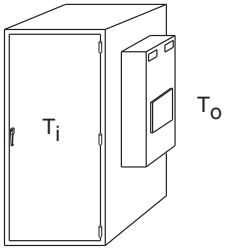
Second



1 M^2 = 10.76 ft^2
Calculate the area of the enclosure which is exposed to the ambient air:

$$\frac{2H\text{"}\ (W\text{"}+ D\text{"}) + (D\text{"}\ x\ W\text{"}\ )}{144} = \text{Area}\ (ft^2)$$

Third



1˚C Δ T = 1.8˚FΔ T
Determine the temperature differential Δ T (˚ F) by subtracting the maximum allowable internal cabinet temperature (T_i) from the maximum ambient temperature outside of the enclosure (T_o): $T_o - T_i = \Delta T$

Fourth: (Watts x 3.413) + [1.25 x Area $ft.^2$ x Δ T (˚F)] = BTU/HR.

Calculations

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Factory Installed Options

Cooling Effect Detector: A thermostat is mounted inside the cabinet and attached to a sensor in the warm air return. When the air temperature increases to the set point, a signal is sent to a terminal block. User-installed wiring from the terminal block to local and/or remote warning devices (light, bell, siren etc.) can be for normally open or normally closed operation. ††

Lifting Eyes: A pair of heavy gauge steel lifting eyes attached to the side panels assist in positioning units. †

Low Ambient Kit: Maintains sufficient operating pressures when ambient temperatures drop below 50˚F. Effective to a minimum ambient temperature of 0˚F. ††

Short Cycle Protector: Protects the compressor from possible damage due to harmful short cycling after a power interruption, by initiating a 5 or 6 minute OFF period before resumption of normal operation. Generally, air conditioners require a 5 minute OFF period for compressor protection after power interruptions of any type, to prevent short cycling and resultant shortened compressor life. These power interruptions include power failures, opening of access doors, and cases where the thermostat activates the compressor in less than five minutes, due to high heat loads generated during OFF times. Particularly recommended for applications that experience frequent, brief power failures or require frequent opening of interlocked cabinet doors. ††

Customer Installed Accessories

Weather Protection Kit: For outdoor installations subject to invasion by rain, snow or windblown dirt, special deflectors shield the condenser air inlet and outlet ports. Air conditioners or heat exchangers installed outdoors require special exterior paint. †

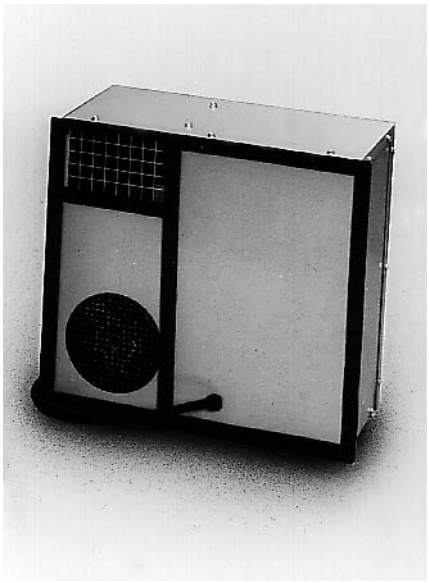
Notation Descriptions:

† = option available for both Air Conditioners and Heat Exchangers.
†† = option available for Air Conditioners only.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Mini Panel-Mounted Air Conditioners

Climate Control



Accessories & Options

- Cooling Effect Detector
- Filter Recoating Adhesive
- Filters for replacements
- Internal corrosion-resistant coatings
- Short Cycle Protector
- Special materials or external finishes
- Condensate Evaporator Kit
- Special motors, line cords or connectors
- Weather Protection Kit (Integral)
- 50/60 Hz Switchable

Description

Mini Air Conditioners are ideal for low-capacity applications with space limitations. Mounted on any vertical panel of equipment enclosures, they occupy minimal floor space and no cabinet space. Hostile ambient air is sealed from the enclosure air by the closed-loop design and gasketed mounting.

Micro-Mini Air Conditioners are suitable for applications that have low static pressures where fans can provide adequate airflow.

Outdoor or corrosive environments require weather protection and/or special internal and external protective coatings. For extreme ambient temperatures and/or severely contaminated environments, water-cooled air conditioners are available. Custom air conditioners can also be designed and manufactured to meet unique specifications. Contact B-Line about modification and custom-design capabilities.

Features

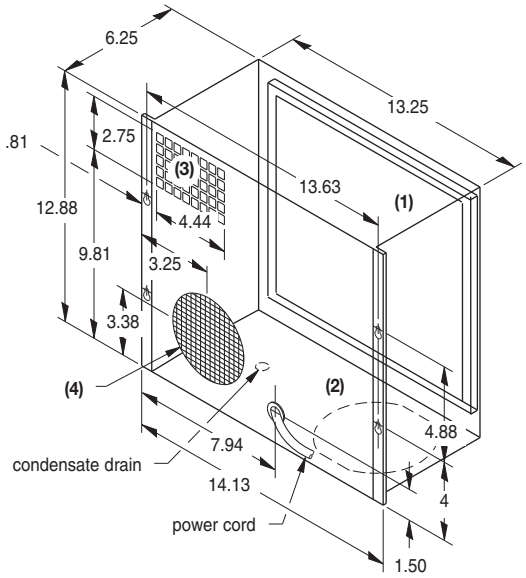
- All models UL/cUL Listed
- Tested and approved by UL for use with Type 12 enclosures
- Environmentally preferred CFC-Free R134a refrigerant
- Powerful fans in Micro-Mini series
- Compact design
- Micro-Mini capacity 1,000 BTU/H
- Heavy-duty steel with baked powder finish
- UL/CSA ball bearing motors
- Six foot (minimum) SJT-3 wire power cord
- Low temperature control (thermostat) and EMI/RFI suppressor are standard

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Micro Mini Series

Technical Data							
Catalog Number	BTU/H Rating	Watts Dissipation	Ambient Temp F (max./min.)	Volts	Hz	Running Amps	Weight (lbs.)
KA4C1.0MML	1000	293	125/50	115/100†	60/50	4.5	40

† For 230 Volt models add a "2" after the "K" in the catalog number.
115V Micro-Mini series includes environmentally safe R134a refrigerant.

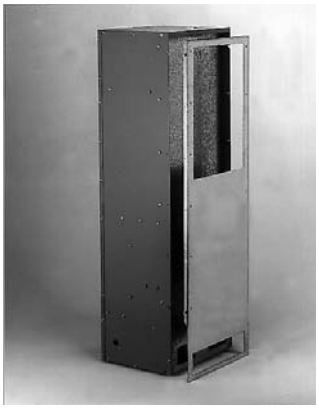


(1) Filtered condenser air inlet (ambient air in)
(2) Condenser outlet (warm ambient air out)
(3) Warm air return from electronics
(4) Cool air outlet to electronics

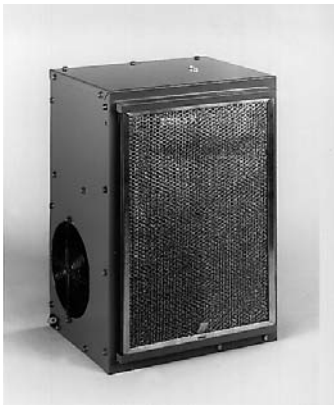
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Trimline Air-Cooled Panel-Mounted Air Conditioners

Climate Control

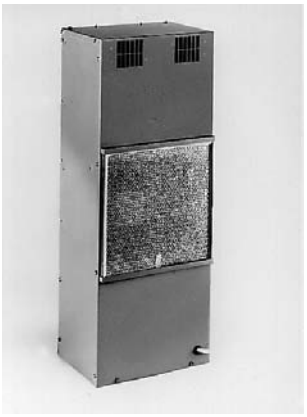


M/TAB



KA4C2.0NP17

KA4C4NP33



KA4C7NP47R

Description

Innovations in technology have resulted in much denser electronics packaging and smaller available panel sizes on which to mount air conditioners. The TrimLine Series is the response to these new packaging demands with the Narrow 12” and 15” width panel mount air conditioners. In addition to reducing the width of more traditional air conditioner units, the TrimLine Series includes the Condensate Evaporator, Low Temperature Control (thermostat) and EMI/RFI Suppressor as standard features, not as options, and is available in all popular voltages and frequencies.

The TrimLine Series consists of compact models in 2,000-2,500 BTU/H capacities, mid-size models, 33” and 36” height, up to 6,000 BTU/H capacities and the full-size models at 47” height up to 13,000 BTU/H. Each series of models is designed with a minimum width to take up less exterior cabinet space on the panel or door.

Integral to the TrimLine Series is the M/TAB (Mounting Template and Assembly Bracket) system which makes installing the TrimLine Series a simple and less time-consuming task.

Outdoor or corrosive environments require weather protection and/or special internal and external protective coatings. For extreme ambient temperatures and/or severely contaminated environments, the use of water-cooled air conditioners is recommended.

Custom air conditioners can be designed and manufactured to meet unique specifications. Contact B-Line about modification and custom-design capabilities.

Features

- All models UL/cUL Listed
- Tested and approved by UL for use with Type 12 enclosures
- Capacities: 2,000 to 13,000 BTU/H
- Six heights available
- Compact designs with slim 12” and 15” wide mounting footprints
- Exclusive M/TAB integral mounting system for quick, easy installation
- Built-in Condensate Evaporator eliminates need for draining normal condensate
- Thermostatic Control provides energy-efficient operation and prevents over-cooling
- EMI/RFI Suppressor minimizes transient line spikes during on/off cycling
- Six foot (minimum) SJT-3 wire power cord
- Complete line of accessories

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

TrimLine Air-Cooled Panel-Mounted Air Conditioners

Climate Control

M/TAB Description

A highlight of the TrimLine Series is a new, revolutionary air conditioner mounting system for cabinets and enclosures. The M/TAB is standard on all TrimLine Air Conditioners. This new integral system functions as a mounting template, pre-installation hanger and final assembly bracket.

The M/TAB design simplifies the installation process by eliminating the problem of handling flange-mounted air conditioners. The solution is provided by following these installation steps:

1) Use the M/TAB to drill holes for mounting and bolting to the cabinet
2) Cut out the Supply and Return Air openings
3) Hang the air conditioner on the M/TAB
4) Secure the Air Conditioner to the M/TAB.

The M/TAB also allows for the quick removal and transportation of the air conditioner, separate from the equipment, for servicing or change to a different capacity air conditioner or to a same-size heat exchanger.

Features

- No exposed rails or mounting flanges; aesthetically pleasing while conserving cabinet space
- Ease of installation and one-piece design reduce mounting errors and allows installer to operate self-sufficiently
- Functions as a pre-installation hanger and final assembly bracket
- Installation is totally outside the cabinet; no clumsy mounting from inside the cabinet

In order to use TrimLine Air Conditioners, including M/TAB, to replace standard or other manufacturers' units on existing cabinets, a special Adapter M/TAB with appropriate bolt holes and cutouts can be supplied.

TrimLine Accessories & Options

- Air Deflectors
- Cooling Effect Detector
- Filter Recoating Adhesive
- Filters for replacement
- Internal corrosion resistant coatings
- Lifting Eyes
- Low Ambient Kit
- Short Cycle Protector
- Special materials or external finishes
- Special motors, line cords or connectors
- Weather Protection Kit
- 50/60 Hz Switchable

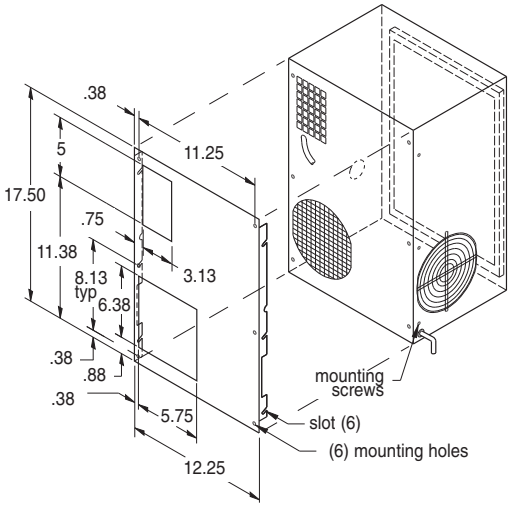
NP17 Series

Technical Data

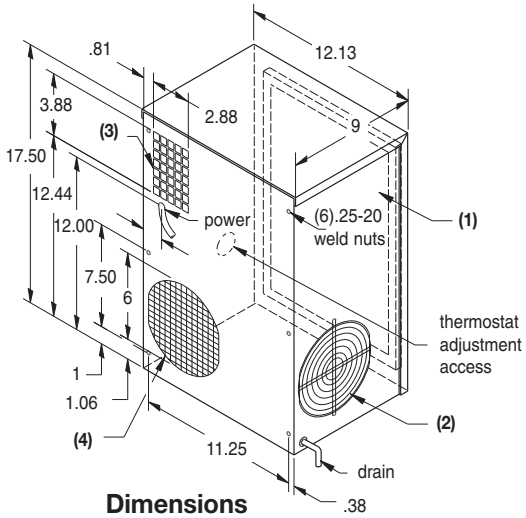
Catalog Number	BTU/H Rating	Watts Dissipation	Ambient Temp F (max./min.)	Volts	Hz	Running Amps	Weight (lbs.)
KA4C2.0NP17L	2000*	585	125/50	115/100†	60/50	6.7/6.5	49

* Also available in 1000, 1500 & 1800 BTU/HR & 230 Volts/50 or 60 Hz.
† For 230 Volt models add a "2" after the "K" in the catalog number.
115V NP17 Series includes environmentally safe R134a refrigerant.

(1) Filtered condenser air inlet (ambient air in)
(2) Condenser outlet (warm ambient air out)
(3) Warm air return from electronics
(4) Cool air outlet to electronics



Mounting Installation-M/TAB



Dimensions

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

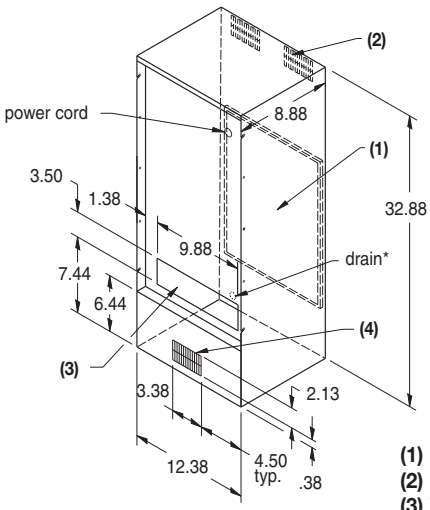
Trim-Line Air-Cooled Panel-Mounted Air Conditioners (cont.)

Climate Control

NP33 Series

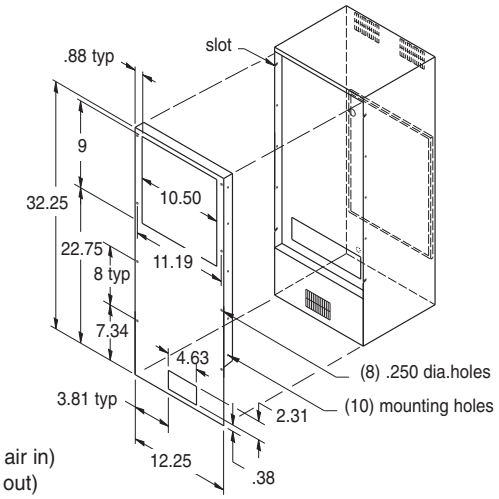
Technical Data							
Catalog Number	BTU/H Rating	Watts Dissipation	Ambient Temp F (max./min.)	Volts	Hz	Running Amps	Weight (lbs.)
KA4C4NP33L	4000*	1170	125/50	115/100†	60/50	12.8	95

* Also available in 2000, 3000 & 5000 BTU/HR & 230 Volts/50 or 60 Hz.
† For 230 Volt models add a "2" after the "K" in the catalog number.



Dimensions

(1) Filtered condenser air inlet (ambient air in)
(2) Condenser outlet (warm ambient air out)
(3) Warm air return from electronics
(4) Cool air outlet to electronics

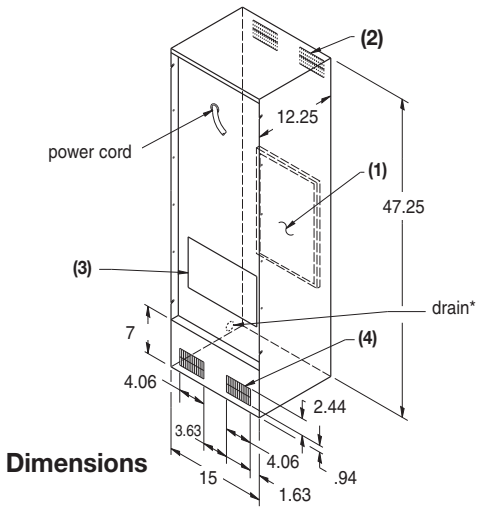


Mounting Installation- M/TAB

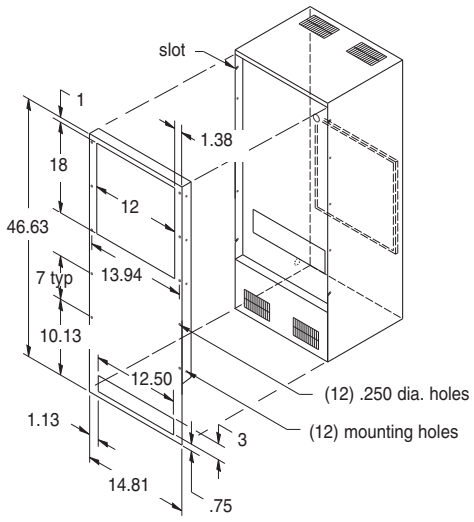
NP47 Series

Technical Data							
Catalog Number	BTU/H Rating	Watts Dissipation	Ambient Temp F (max./min.)	Volts	Hz	Running Amps	Weight (lbs.)
KA3C7NP47R	7000*	2345	125/50	115/110†	60/50	16.5	150
KA3C10NP47R	10000*	2930	125/50	115/110†	60/50	19.2/18.6	150
KA3C13NP47R	13000*	3515	125/50	115/110†	60/50	19.2/18.6	150

*Available in 230 Volts/50 or 60 Hz
† For 230 Volt models add a "2" after the "K" in the catalog number.



Dimensions

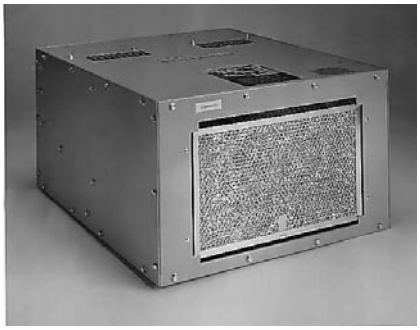


Mounting Installation- M/TAB

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Horizontal Top-Mounted Air Conditioners

Climate Control



Accessories & Options

- Air Deflectors
- Airflow Switch
- Cooling Effect Detector
- Filter Recoating Adhesive
- Filters for replacement
- Internal corrosion resistant coatings
- Lifting Eyes
- Low Ambient Kit
- Short Cycle Protector
- Special materials or external finishes
- Special motors, line cords or connectors
- 50/60 Hz Switchable

Description

Horizontal Top-Mounted Air Conditioners provide a full range of cooling capacities where space or other limitations prevent panel or internal rack mounting.

Available in five models from 2,500 to 12,000 BTU/H they feature specially designed, heavy-duty centrifugal blowers or fans to force the cooling air throughout the enclosure.

The low profile HT Compact Series is recommended for lower to moderate demand cooling applications in smaller enclosures. For more demanding applications or for large or denser cabinets, the Compact Plus Series is preferred. This series provides 2,500 to 6,000 BTU/H performance for medium-size cabinets and a choice of two heated ambient air discharges.

The largest models in the Horizontal Top-Mounted group are available in three capacity ranges and cabinet sizes, covering applications requiring cooling of 3,000 to 12,000 BTU/H.

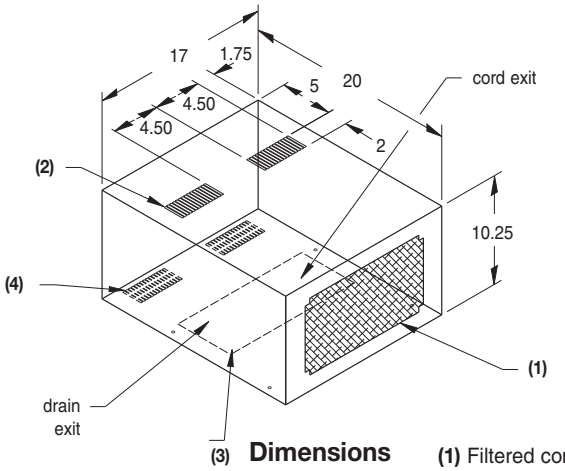
Features

- Capacities: 2,500 to 12,000 BTU/H
- Five sizes available
- Heavy-duty steel with baked powder finish
- UL/CSA ball bearing motors
- Five foot (minimum) SJT-3 wire power cord
- Built-in Condensate Evaporator
- Complete line of accessories

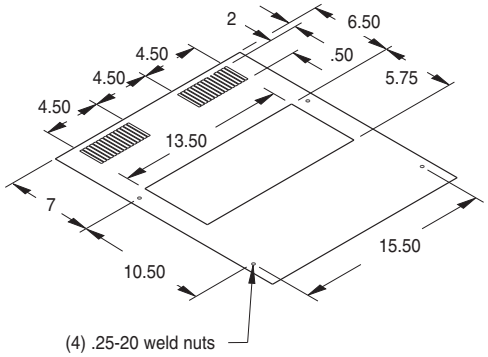
HT Series

Technical Data							
Catalog Number	BTU/H Rating	Watts Dissipation	Ambient Temp F (max./min.)	Volts	Hz	Running Amps	Weight (lbs.)
KA4C4HTR	4000*	1170	125/50	115 †	60	8.0	90

* Also available in 3000, 5000 & 6000 BTU/HR & 230 Volts/50 or 60 Hz.
† For 230 Volt models add a "2" after the "K" in the catalog number.



Dimensions



Mounting Installation- M/TAB

(1) Filtered condenser air inlet (ambient air in)
(2) Condenser outlet (warm ambient air out)
(3) Warm air return from electronics
(4) Cool air outlet to electronics

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Advantage Series NEMA 3R/12 Air Conditioners

Climate Control

Patented

Description

The Advantage Series Indoor/Outdoor Air Conditioners are designed specifically for cooling electrical/electronic enclosures and can be used for both indoor and outdoor applications.

The Advantage Series Air Conditioners offer the greatest choice of sizes, voltages and frequencies, with eight cooling capacities ranging from 2,000 to 22,000 BTU/H. The Advantage Series air conditioners are available in seven heights ranging from 18 to 55 inches, all utilizing the exclusive M/TAB integral mounting system.

The Advantage Series exemplifies a stylish appearance with rounded edges, no visible hardware and a textured baked powder finish to blend easily with contemporary enclosure designs. Integral weather protection eliminates unsightly weather hoods and the pressure switch regulates the unit's hermetic system and a patented sealing system maintains both a NEMA 12 and a NEMA 3R interface with the enclosure.

Standard features also include heavy-duty galvanized steel construction, environmentally friendly refrigerants, built-in condensate evaporator, thermostatic low temperature control, EMI/RFI surge suppressor and LED temperature display.

Features

- All models UL/cUL Recognized
- Approved by UL for use with Type 12 and 3R enclosures
- Environmentally preferred low ODP R134a refrigerant for RP17, RP28, RP33 and RP36 Series.
- Environmentally preferred CFC-Free R22 refrigerant for RP47, RP52 and RP55 Series.
- Capacities: 2,000 to 22,000 BTU/H
- Seven heights available
- Heavy-duty steel with textured baked powder finish
- UL/CSA ball bearing motors
- Six foot (minimum) SJT-3 wire power cord
- Complete line of accessories
- Low temperature control (thermostat) and EMI/RFI Surge Suppressor are standard
- Crankcase heater
- Low ambient kit
- Condensate evaporator kit

Accessories & Options for all Panel-Mounted Units

- Cooling Effect Detector
- Internal corrosion resistant coatings
- Short Cycle Protector
- Special motors, line cords or connectors
- Metal Grille
- Stainless Steel Shells
- Aluminum Shells
- Special Paint Finishes

See pages 401 - 403 for technical and dimensional data.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

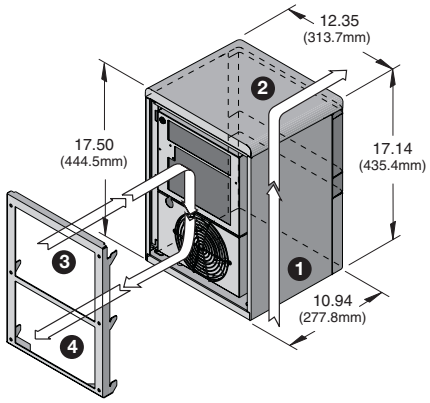
Advantage Series NEMA 3R/12 Air Conditioners

Climate Control

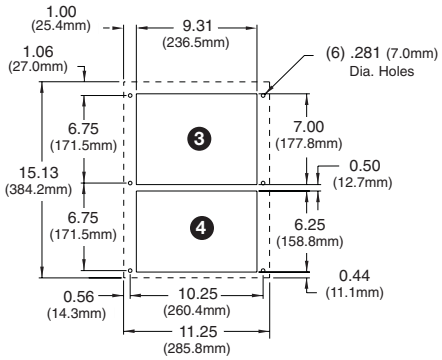
Technical Data							
Series Number	Catalog Number	BTU/H Rating	Ambient Temp F (max. - min.)	Volts**	Hz**	Running Amps*	Weight (lbs.)
RP17	**KA4C2RP17R**	2000	125 - 0	115/100	60/50	7.0/7.5	64
	K2A4C2RP17R	2000	125 - 0	230/200	60/50	4.0	64
RP28	**KA4C3RP28R**	3000	125 - 0	115/100	60/50	9.8/9.7	86
	K2A4C3RP28R	3000	125 - 0	230/200	60/50	5.5/5.6	86
RP33	**KA4C4RP33R**	4000	125 - 0	115/100	60/50	13.6/13.3	98
	K2A4C4RP33R	4000	125 - 0	230/200	60/50	5.8	98
RP36	**KA4C6RP36R**	6000	125 - 0	115/100	60/50	19.5/20.0	123
	K2A4C6RP36R	6000	125 - 0	230/200	60/50	8.2/8.5	123
RP47	**KA3C8RP47R**	8000	125 - 0	115/100	60/50	12.2/12.7	150
	K2A3C8RP47R	8000	125 - 0	230/200	60/50	5.7/5.9	150
	KA3C12RP47R	12000	125 - 0	115/100	60/50	19.8/19.1	150
	K2A3C12RP47R	12000	125 - 0	230/200	60/50	9.1/9.0	150
RP52	**K2A3C18RP52R**	18000	125 - 0	230/200	60/50	12.2/12.7	280
RP55	**K2A3C22RP55R**	22000	125 - 0	230/200	60/50	12.2/12.7	298

* Rating shown is for operation at maximum ambient temperature.

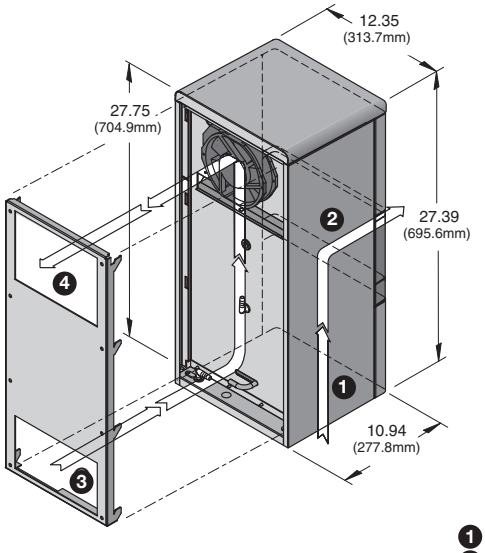
** 115V, 60 Hz or 230V, 60Hz models also operate at 100V, 50Hz or 200V, 50Hz respectively. No transformer required.



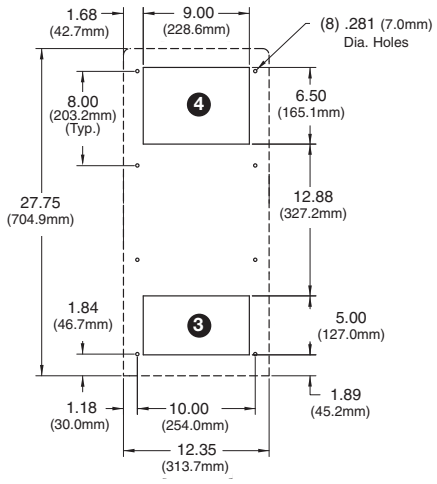
Mounting Plan



RP17 Series



Mounting Plan



RP28 Series

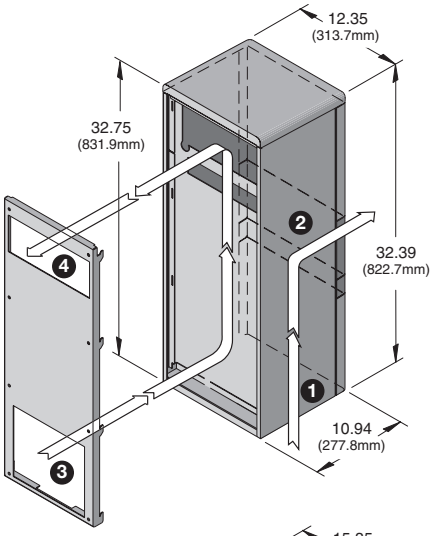
1. Filtered Condenser Air Inlet (Ambient Air In)
2. Condenser Outlet (Warm Ambient Air Out)
3. Warm Air Return from Enclosure
4. Cool Air Outlet to Enclosure

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

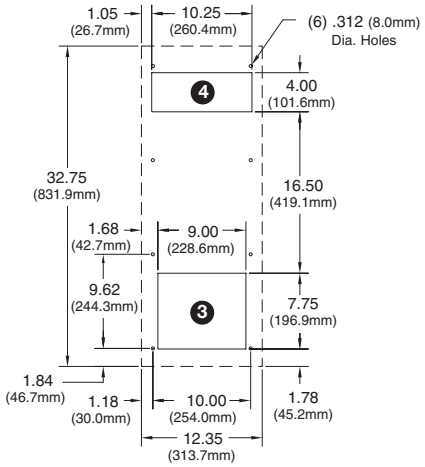
Advantage Series NEMA 3R/12 Air Conditioners

Climate Control

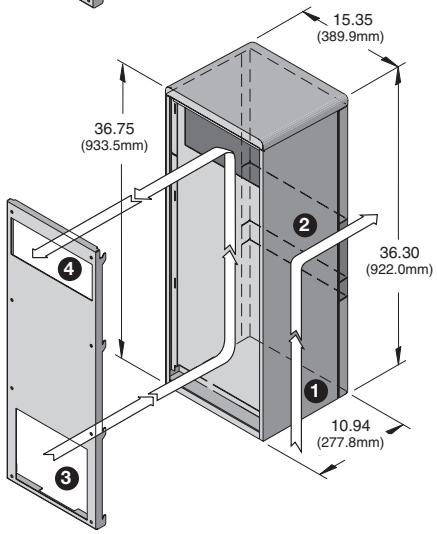
RP33 Series



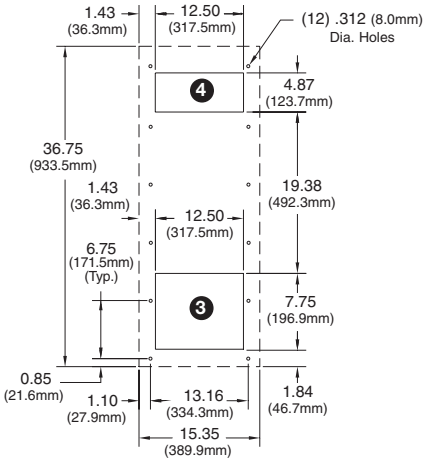
Mounting Plan



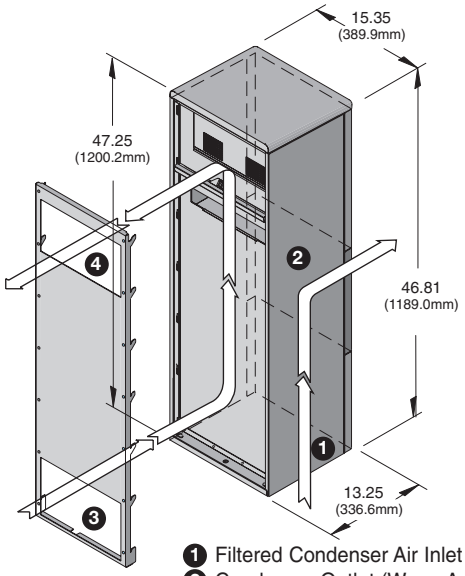
RP36 Series



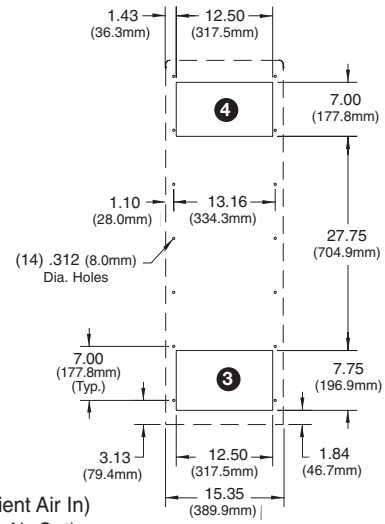
Mounting Plan



RP47 Series



Mounting Plan



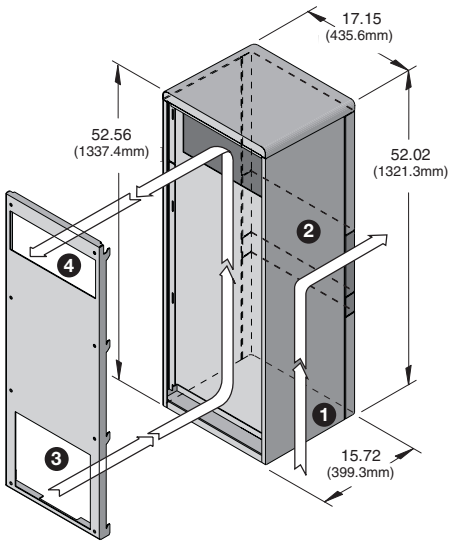
1. Filtered Condenser Air Inlet (Ambient Air In)
2. Condenser Outlet (Warm Ambient Air Out)
3. Warm Air Return from Enclosure
4. Cool Air Outlet to Enclosure

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

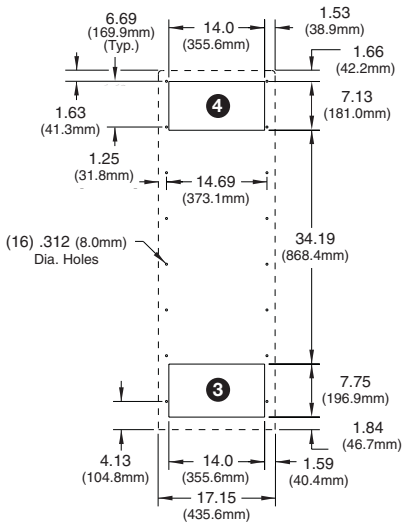
Advantage Series NEMA 3R/12 Air Conditioners

Climate Control

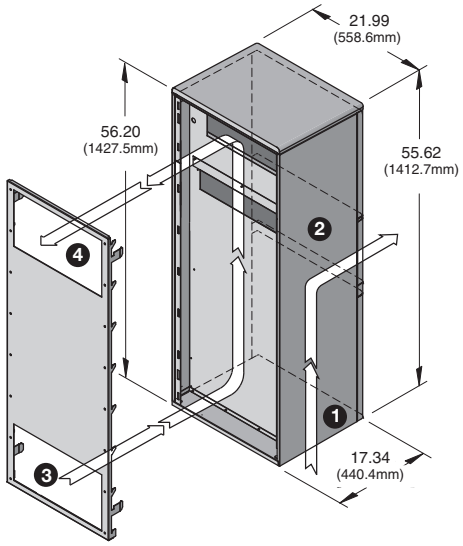
RP52 Series



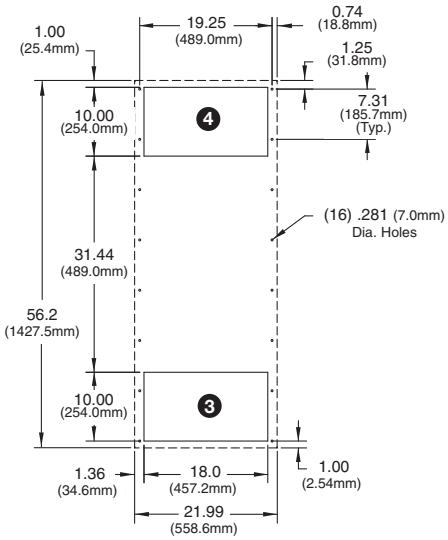
Mounting Plan



RP55 Series



Mounting Plan



1. Filtered Condenser Air Inlet (Ambient Air In)
2. Condenser Outlet (Warm Ambient Air Out)
3. Warm Air Return from Enclosure
4. Cool Air Outlet to Enclosure

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 4X Series Air Conditioners

Climate Control

Description

For NEMA 4 and 4X Enclosure applications that require hosedown or are subject to outdoor storm conditions, NEMA 4X Air Conditioners protect the integrity of the NEMA 4 or 4X Enclosure rating. These exclusive panel-mounted air conditioners provide superior closed-loop cooling and also protect against the hazards specified for both indoor and outdoor NEMA 4 and 4X Enclosures. Tested and rated by universally recognized Underwriters Laboratories, the uniquely-designed stainless steel air conditioners prevent unwanted environmental penetration of NEMA 4 and 4X enclosures as they provide a clean, cool internal environment.

These units can be mounted interchangeably with same series NEMA 4X Heat Exchangers for maximum flexibility in the event that cooling requirements change.

With the design advantages of the NEMA 4X Series and the inclusion of the unique Mounting Template and Assembly Bracket (M/TAB), this series offers the finest in cooling innovation and technology.

The 32" NEMA 4X Air Conditioner group has the added feature of a center cool air discharge which can be adjusted to direct the cool air either upward or downward. The hot cabinet air can be returned to the air conditioner by either a top or bottom return port in the M/TAB, which determines the cutout location required in the enclosure.

Features

- Capacities: 3,000 to 10,000 BTU/H
- Five heights available (P21, P32, P38, P47, & P59)
- Environmentally preferred CFC-Free R134a refrigerant
- Gasketed flanges on all four mounting edges for positive leakproof seal
- Exclusive integral Mounting Template and Assembly Bracket (M/TAB) for quick, easy installation
- Thermostatic Low Temperature Control provides energy efficient operation and prevents over-cooling
- EMI/RFI Suppressor minimizes transient line spikes during on/off cycling
- Separate blower-driven evaporator and condenser air systems penetrate high static pressure aplications
- All applicable components are UL/CSA recognized
- Rugged heavy-duty stainless steel exterior
- Galvanized steel internal construction
- Internal corrosion resistant coating

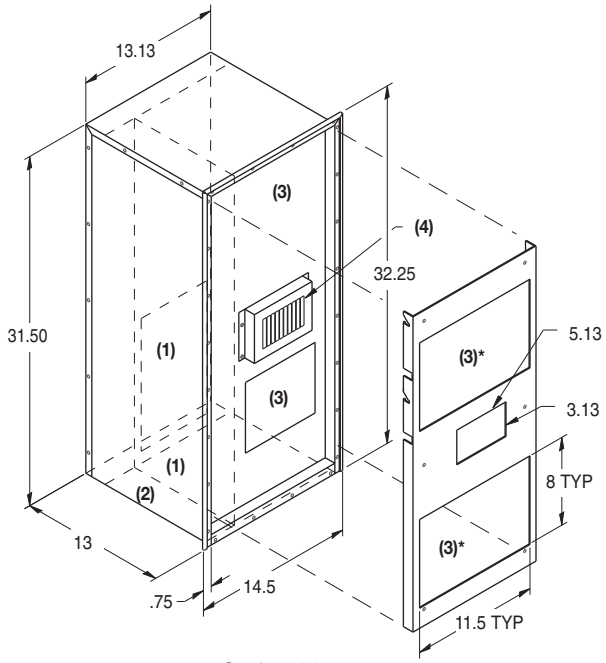
Accessories & Options for all Panel-Mounted Units

- Compressor Heater
- Filter Recoating Adhesive
- Filters for replacement
- Lifting Eyes
- Low Ambient Kit
- Short Cycle Protector
- Special materials or finishes
- 50/60 Hz Switchable

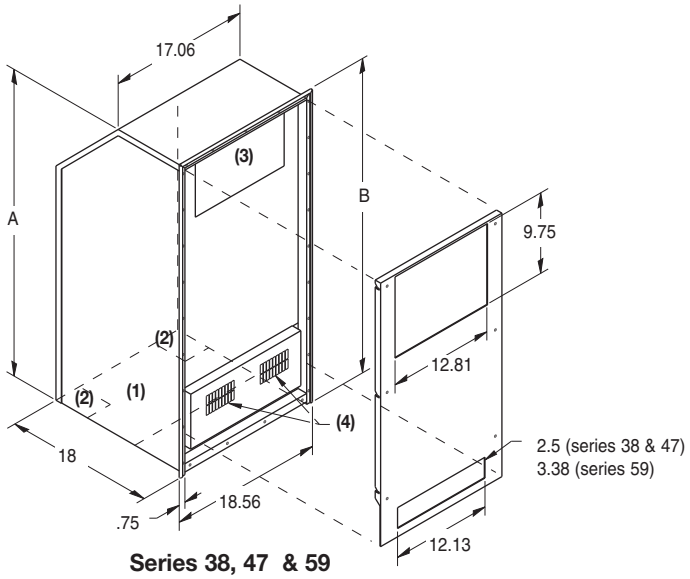
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 4X Series Air Conditioners

Climate Control



Series 32



Series 38, 47 & 59

Dimensions (Inches)		
Model	A	B
NEMA 4X Series 38	37.00	37.75
NEMA 4X Series 47	46.25	47.00
NEMA 4X Series 59	58.31	59.06

NEMA 4X Series 32

Technical Data							
Catalog Number	BTU/H Rating	Watts Dissipation	Ambient Temp F (max./min.)	Volts	Hz	Running Amps	Weight (lbs.)
KNA4C4P32R	4000	1170	125/50	115	60	13.00	100
K2NA4C4P32R	4000	1170	120/50	230	60	6.00	100
NEMA 4X Series 38, 47 & 59							
KNA4C7P*	7000	2050	131/50	115	60	20.00	180
K2NA4C7P*	7000	2050	131/50	230	60	9.25	205
K2NA4C10P*	10000	2930	131/50	230	60	10.90	235

* Add series number: 38R, 47, or 59.

External mounting, all models
(1) Ambient air inlet
(2) Warm ambient air outlets
(3) Warm air return from electronics
(4) Cool air outlet to electronics

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Heat Exchanger Sizing and Selection

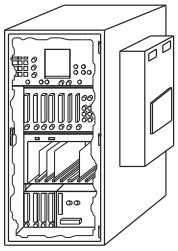
Climate Control

The proper selection of a Heat Exchanger is determined by how many WATTS can be dissipated at a given temperature differential. Since a Heat Exchanger uses ambient air for cooling, the enclosure cannot be cooled below a temperature slightly above the surrounding air temperature. Therefore, the greater the temperature differential, the higher the capacity of the Heat Exchanger.

NOTE: This selection process applies only to indoor gasketed enclosures which are uninsulated.

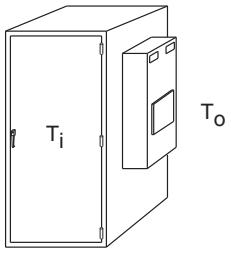
To determine required Heat Exchanger performance in WATTS/˚F:

First



Determine the internal Watts of heat to be dissipated.

Second

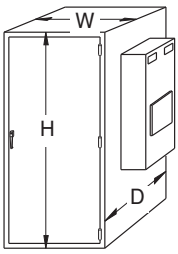


Determine the temperature differential by subtracting the maximum ambient temperature outside of the enclosure (T_o) from the maximum allowable internal cabinet temperature (T_i).

$$(T_i) - (T_o) = \Delta T \text{ ˚F}$$

Note: The maximum allowable internal cabinet temperature (T_i) should not exceed the heat tolerance specification of the most sensitive component in your system.

Third



Calculate the area of the enclosure which is exposed to the ambient air.

$$\frac{2H'' (W'' + D'') + (D'' \times W'')}{144} = \text{Area } (ft^2)$$

Fourth: (Watts /Δ T ˚F) - (0.22 x Area ft.²) = WATTS/˚F (Required Heat Exchanger Performance)

To calculate the total internal enclosure temperature using the Heat Exchanger selected, add the temperature rise (Δ T) inside the cabinet to the maximum ambient temperature. Divide the internal heat load (WATTS) by the heat exchanger performance (WATTS/˚F + Area Ft.² x .22) and add the maximum ambient temperature outside of the enclosure (T_o), as in the equation:

$$\text{Total Cabinet Temperature} = \frac{\text{Internal Heat Load (WATTS)}}{\text{Heat Exchanger Performance (WATTS/˚F)} + (\text{Area Ft.}^2 \times .22)} + T_o$$

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Air-To-Air Heat Exchangers
Climate Control

Description
The KXHE Series of Air-To-Air Heat Exchangers combines a state of the art, high-efficiency convoluted aluminum heat transfer element with powerful air movers. This combination uses counterflowing air streams, for maximum heat transfer efficiency, in a closed-loop system, to provide cooling within sealed cabinets. This makes the KXHE an ideal choice for applications in dirty or oil-laden environments.
These unique heat exchangers operate effectively when mounted vertically or horizontally, internally or externally, and are available in numerous sizes, capacities, and configurations. KXHE Air-to-Air Heat Exchangers are an excellent choice for all applications requiring a closed-loop system which can tolerate cabinet temperatures slightly above ambient.
Outdoor or corrosive environments require weather protection and/or special internal and external protective coatings.

Features
- All models UL/cUL Listed
- Tested and approved by UL for use with Type 12 enclosures
- Lightweight design
- Closed-loop near-ambient cooling
- Unique heat transfer element; easily removed for cleaning
- Heavy-duty steel enclosures with baked powder finish
- UL/CSA ball bearing motors
- Three foot (minimum) SJT-3 wire power cord

Custom heat exchangers can be designed and manufactured to meet unique specifications. Contact B-Line about modification and custom-design capabilities.

Accessories & Options
- Air Deflectors
- Airflow Switch
- Cooling Effect Detector
- Filter Recoating Adhesive
- Filters for replacement
- Lifting Eyes
- Low Airflow Detector
- Mounting Hinge
- Other voltages and frequencies
- Special materials or external finishes
- Special motors, line cords or connectors
- Weather Protection Kit

Technical Data

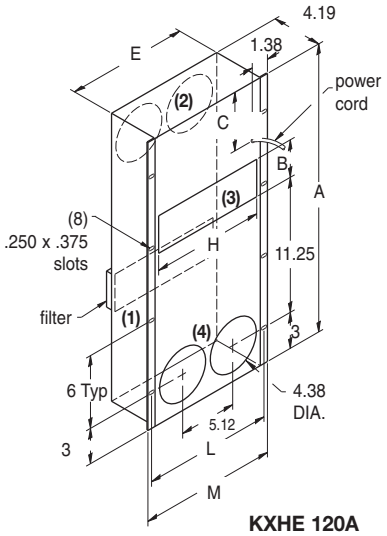
Catalog Number	Power Amps	Power Watts	Max Cabinet Temp. F	Volts	Approx. Weight (lbs.)	Watts ˚F
KXHE120A	0.8	75	158	115†	20	16
KXHE125A	3.2	300	158	115†	55	53

KXHE Models 120A, 240A & 125A

Dimensions (Inches)

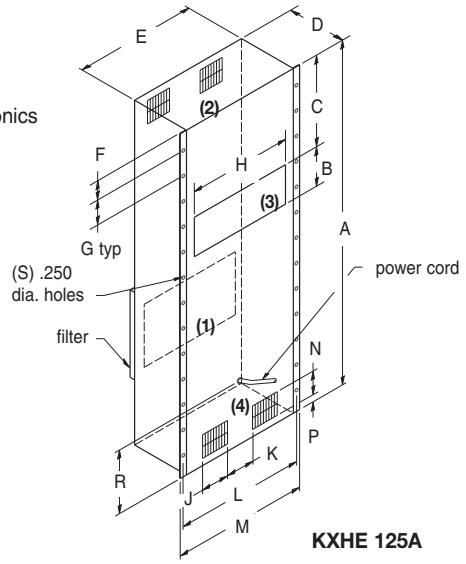
Catalog No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S
KXHE120A	24	3.13	4.88	-	10.13	3	6	9.44	4.38	-	10.75	11.50	-	-	4.88	8
KXHE125A	28.50	3.44	81.19	8.25	17	3.75	7	15.50	4.06	3.63	18.38	19	2.31	.63	5.75	8

All units available in 115 V-50/60 Hz or 230V-50/60 Hz.
† For 230 Volt models add a "2" after the "K" in the catalog number.



KXHE 120A

External mounting, all models
(1) Ambient air inlet
(2) Warm ambient air outlets
(3) Warm air return from electronics
(4) Cool air outlet to electronics



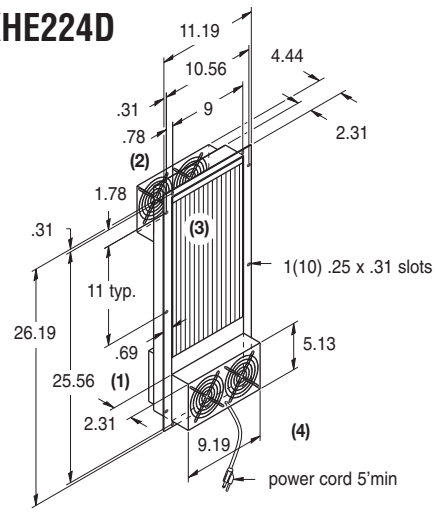
KXHE 125A

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

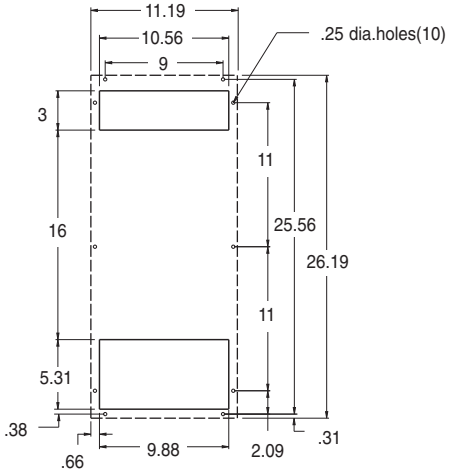
Air-to-Air Heat Exchangers (cont.)

Climate Control

KXHE224D

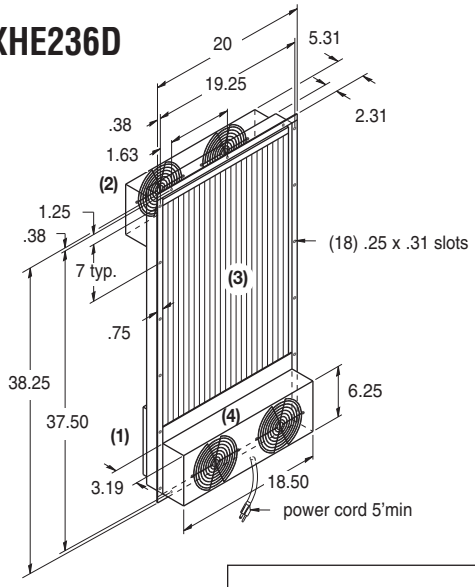


KXHE224 & KXHE236

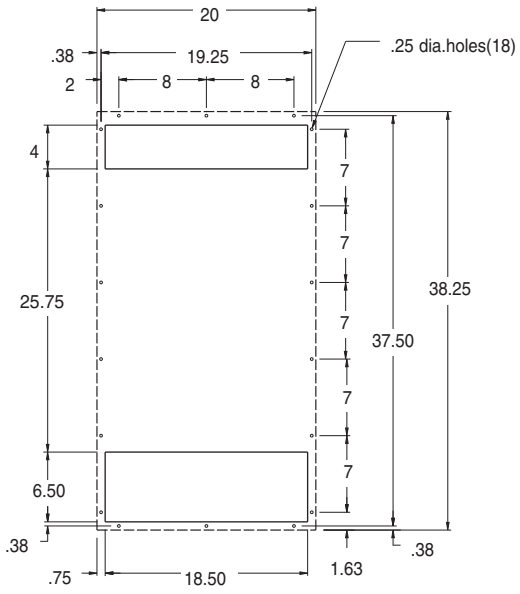


(1) Filtered condenser air inlet (ambient air in)
(2) Condenser outlet (warm ambient air out)
(3) Warm air return from electronics
(4) Cool air outlet to electronics

KXHE236D



Mounting Plan



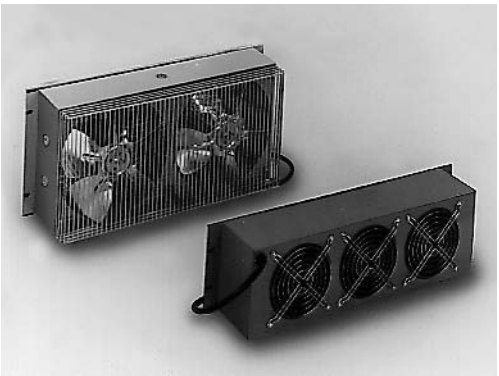
Technical Data

Catalog Number	Power Amps	Power Watts	Max Cabinet Temp. F	Volts	Approx. Weight (lbs.)	Watts ˚F
KXHE224S	.35	28	158	115	9	8
KXHE224D	.70	56	158	115	11	10
K2XHE224S	.17	28	158	230	9	8
K2XHE224D	.35	56	158	230	11	10
KXHE236S	.85	68	158	115	30	18
KXHE236D	1.76	142	158	115	34	22
K2XHE236S	.42	68	158	230	30	18
K2XHE236D	.88	142	158	230	34	22

S = Single fan D = Double fan

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Twin & Triple Fans
Climate Control



Accessories

All Packaged Fans

- Filter Recoating Adhesive
- Filters for replacement
- Special materials or external finishes
- Special motors, line cords or connectors
- Variable Speed Control
- Adapters
- Grille Assemblies

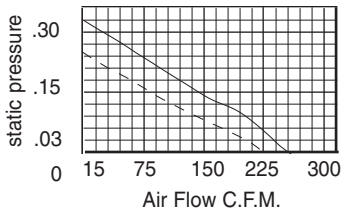
Features

- Exceptionally quiet
- Versatile mounting and adaptability
- Heavy-gauge steel construction
- UL/CSA ball-bearing motors
- Attractive stainless steel grilles
- All models can pressurize or exhaust
- Accessories and options

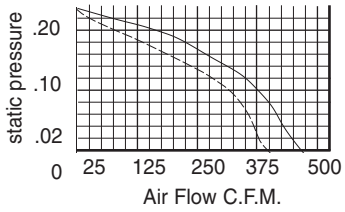
Description

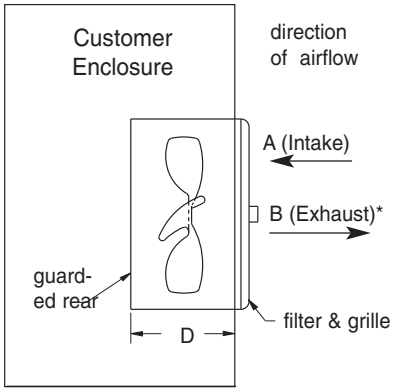
In low static pressure applications, these fans provide high airflow in a very thin package. The exclusive design provides exceptionally quiet operation in both intake and exhaust applications. Whether mounted horizontally or vertically, these minimum-vibration fans require little internal cabinet space, leaving virtually the entire cabinet free for power supplies or other components.

KP500



KP875





* For exhaust applications, filter may be removed and used at air intake.

Technical Data

Catalog Number	CFM@ 0-inches	RPM nominal	Amps RUN	Amps L.R.	Watts	Volts
KP500*	250	3100	0.6	0.9	55	115†
KP875*	440	1500	1.2	1.5	98	115†

Dimensions (Inches)

Catalog Number	Discharge Available	Panel Height	Depth (D)
KP500	A, B	5.25	3.50
KP875	A, B	8.75	4.25

† For 230 Volt models add a "2" after the "K" in the catalog number.

* Specify type of discharge.

Additional Specifications

Enclosures: Precision-engineered heavy-gauge steel construction. KP500 and KP875: 17 inches wide. EIA-notched flanges extend 17-inch enclosure to 19-inch panel width.

Permanent Filter: Furnished with each packaged fan.

Power Cord: All 115 VAC, 50/60 Hz units include a 36-inch (minimum) type SJT three-wire cord with molded plug, internally grounded and securely locked to case by strain relief bushing. 230 VAC, 50/60 Hz units are supplied without plugs.

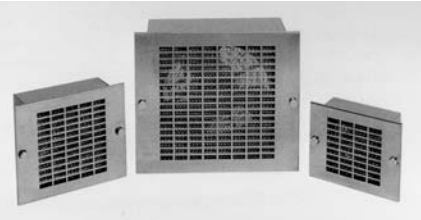
Grille/Guard: KP500 and KP875 each include a rear guard and an attractive 19-inch-wide stainless steel grille and knurled captive fasteners for easy removal. Grilles and guards comply with OSHA and UL safety standards.

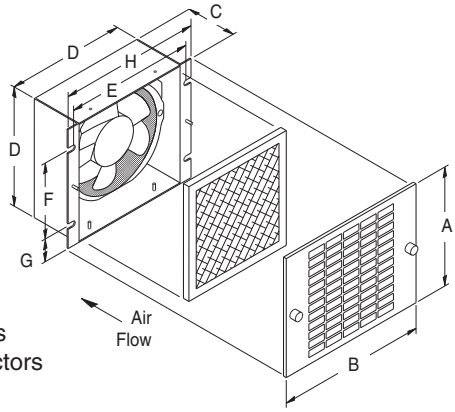
KP500A = intake
KP500B = exhaust

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Filter Box Fans

Climate Control





Description

High airflow with low noise operations makes these versatile packaged fans very popular in a wide range of applications. Reversible mounting brackets allow user to push or pull air through the enclosure. In addition, these fans can be installed internally or externally, vertically or horizontally, with or without a filter. Utilizing the special motor-mount isolation system, these fans operate virtually vibration-free. Front and rear grilles can be adjusted to accommodate or omit filter. Filter slides in and out easily for cleaning and replacement.

Accessories

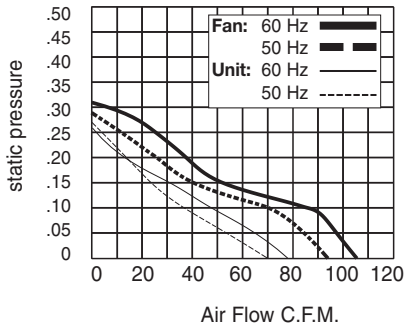
All Packaged Fans

- Filter Recoating Adhesive
- Replacement Filters (531F for KP40, 681F for KP60, 1081F for KP100)
- Special materials or external finishes
- Special motors, line cords or connectors
- Variable Speed Control
- Adapters
- Grille Assemblies (KFG40, KFG60, KFG100) includes filter

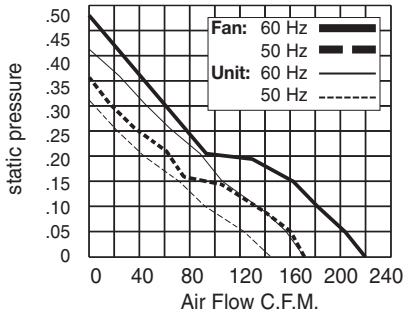
Features

- Exceptionally quiet
- Versatile mounting and adaptability
- Heavy-gauge steel construction
- UL/CSA ball-bearing motors
- Attractive stainless steel grilles
- All models can pressurize or exhaust
- Accessories and options

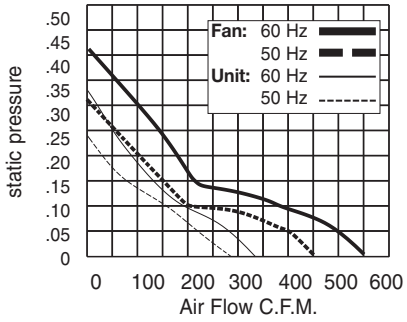
KP40



KP60



KP100



Technical Data

Catalog Number	CFM@ 0-inches	RPM nominal	Running Amps	Watts	Volts
KP40	105	3000	.18	15	115†
KP60	220	3300	.29	33	115†
KP100	550	1600	.87	60	115†

Dimensions (Inches)

Catalog No.	A	B	C	D	E	F	G	H
KP40	6.13	7.38	2.38	5.63	6.38	4.13	.75	7.00
KP60	7.63	8.86	3.00	7.13	7.86	4.50	1.31	8.50
KP100	11.63	13.00	4.56	11.13	11.86	6.86	2.13	12.50

† For 230 volt models add a "2" after the "K" in the catalog number.

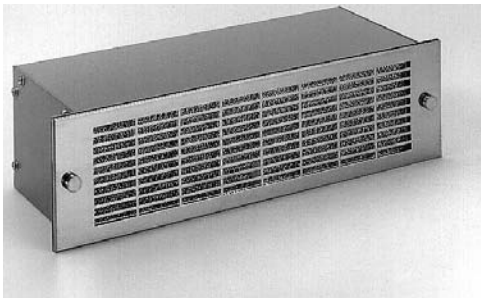
Additional Specifications

Permanent Filter: Furnished with each packaged fan.

Grille/Guard: KP40, KP60 and KP100 each include a rear guard and an attractive stainless steel grille and knurled captive fasteners for easy removal. Grilles and guards comply with OSHA and UL safety standards.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Twin Blowers
Climate Control



Description

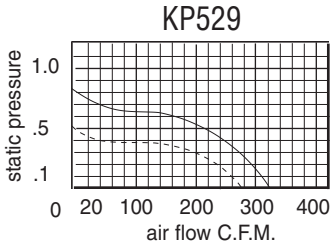
Packaged Twin Blowers achieve exceptional performance through use of the largest possible blower housings and wheels. Each contains a quadruplex centrifugal blower powered by a single precision ball-bearing motor.
These widely-used Packaged Twin Blowers deliver air from more that 50% of their 17" width, while conventional blowers deliver air from only about 30%. Internal neoprene isolation mounts reduce transmission of vibration and AC hum to the enclosure. Long service life and trouble-free
performance are assured through the use of precision ball-bearing motors in all models and by the dual inlet quadruplex design which uses intake air to cool the motor.

Features

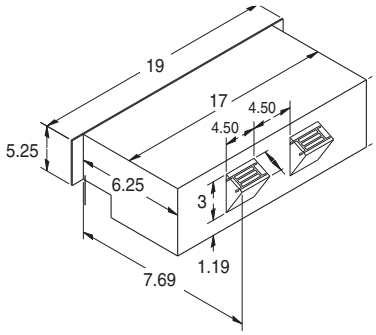
- Capacities: 130 to 800 CFM
- Heavy-gauge steel enclosures with EIA-notched flanges
- Attractive 19 in. stainless steel grilles
- UL/CSA ball-bearing motors
- Dual inlet quadruplex design for maximum airflow
- Inlet air cools motor for longer life
- Permanent filters
- Exhaust guards included
- Three foot (minimum) SJT 3-wire power cord

Accessories & Options

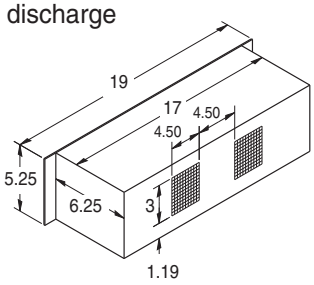
- Adapters
- Airflow Switch
- EMI Shielding
- Filter Recoating Adhesive
- Filters for replacement
- Grille Assemblies for replacement
- Low Airflow Detector
- Other voltages and frequencies
- Recessed front
- Special materials or external finishes
- Special motors, line cords or connectors
- Variable Speed Control



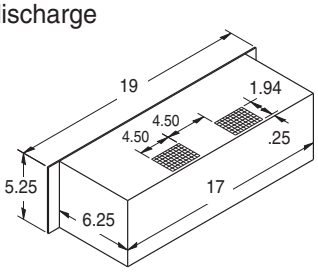
A discharge



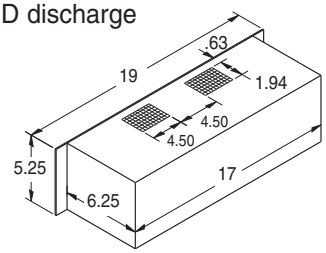
B discharge



C discharge



D discharge



Technical Data

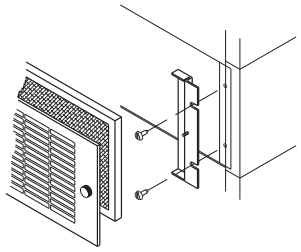
Catalog Number	CFM@ 0-inches	RPM nominal	Amps RUN	Amps L.R.	Watts	Volts
KP529*	300	3000	1.4	1.9	95	115†

† For 230 Volt models add a "2" after the "K" in the catalog number.
* Specify type of discharge.

Exhaust and Filter Assembly for Blower Package

To provide a filtered air intake in applications where the enclosure is being exhausted. The mirror-finish stainless steel grille is 65% open with low resistance to air flow. By loosening the captive thumbnuts the permanent filter is instantly available for cleaning. Each kit includes a grille assembly, filter and two EIA-notched brackets.

Catalog Number	Used With	Filter Size	Grille Sizes H x L x D in.	Grille Sizes H x L x D mm
KFG525-19	KP529	16.59" x 4.81"	5.13x19.00x.75	130x483x19
KFG875-19	KP875	16.59" x 8.69"	8.75x19.00x.75	222x483x19



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Heater Calculation Sheet

Climate Control

Enclosure Heaters are used to maintain minimum operating temperatures and to help prevent failure of electronic components caused by condensation and corrosion.

Follow steps 1-5 to determine the heating requirement of an enclosure (US units - left column, metric - right column)

STEP 1: Determine Surface Area (A) exposed to open air

Enclosure Dimensions:	height = _____	feet	_____ meters
	width = _____	feet	_____ meters
	depth = _____	feet	_____ meters

Assuming a free-standing enclosure ⇒ A = 2 (Height x Width) + 2 (Height x Depth) + 2 (Width x Depth)

A = _____ ft² or **_____ m²**

STEP 2: Choose the Heat Transmission Coefficient (k) for your enclosure

painted steel =	0.511 W/(ft² • K)	5.5 W/(m² • K)
stainless steel =	0.344 W/(ft² • K)	3.7 W/(m² • K)
aluminum =	1.115 W/(ft² • K)	12 W/(m² • K)
plastic (or insulated stainless) =	0.325 W/(ft² • K)	3.5 W/(m² • K)

k = _____ W/(ft² • K) or **_____ W/(m² • K)**

STEP 3: Determine the Temperature Differential (ΔT)

Desired interior temperature =	_____ °F	_____ °C
Lowest ambient temperature =	_____ °F	_____ °C
Temperature differential =	_____ °F	_____ °C = K

⇓

Calculation requires ΔT to be in Kelvin (K)

Divide ΔT (°F) by 1.8 for **ΔT = _____ K** or **_____ K**

STEP 4: Determine Heating Power (P_V), if any

P_V = components in the enclosure which generates heat (i.e. transformers, power supplies, etc.)

P_V = _____ W or **_____ W**

STEP 5: Calculating the Required Heating Power (P_H)

If enclosure is located inside: **P_H = (A x k x ΔT) - P_V = _____ W**

If enclosure is located outside: **P_H = 2 x (A x k x ΔT) - P_V = W _____**

PTC Fan Heaters
Climate Control

Description

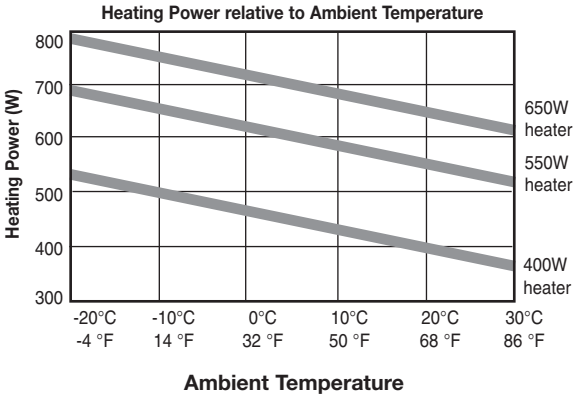
PTC fan heaters are designed to help prevent failure of electronic components caused by condensation, corrosion and low temperatures. Integrated thermostat stabilizes enclosure temperature, improves performance and extends the life of critical components. EFHT series fan heaters are designed for larger applications with high power requirements.

Features

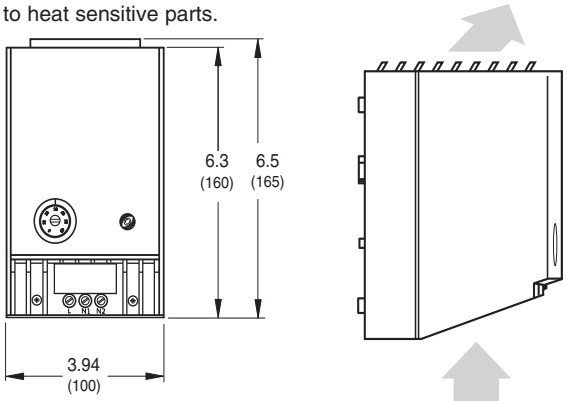
- Compact fan heater in PTC technology
- PTC (Positive Temperature Coefficient) heating element
- Maintains minimum operating temperatures in enclosures
- Helps prevent failure of electronic components caused by condensation and corrosion
- Heating power adjusts to ambient temperature
- Integrated adjustable thermostat and control light
- 35 mm DIN rail mountable
- UL, VDE, and CE

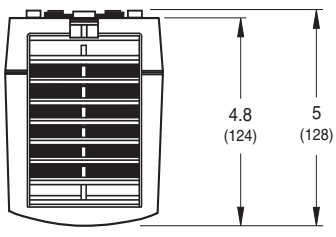
Catalog Number	Voltage	Power	Max. current (inrush)	Axial Fan (ball bearing)	Thermostat range	Weight lbs.	Weight kg
EFHT550F-120	110-120 VAC	550 W (60 Hz)	11 A	20 cfm (35 m³/h)	32-140°F	2	0.9
EFHT650F-120	110-120 VAC	650 W (60 Hz)	12 A	26 cfm (45 m³/h)	32-140°F	2.4	1.1

Technical Data	
Heating element:	PTC-Semiconductor/resistor. Self regulating with changing ambient temperature (see graph below)
Overheat protection:	Temperature limitor in case of fan failure
Function control light:	LED
Housing:	Plastic, rated UL94V-0
Dimensions (HxWxD):	6.5x3.94x5" (165x100x128 mm)
Connection:	2 pole terminal, AWG 14, max. (2.5 mm²)
Mounting:	Clip for 35 mm DIN rail, EN 50022
Protection class:	II (double insulated)
Protection type:	IP20



For spacing, add 2" clearance to heat sensitive parts.





Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

PTC Heaters
Climate Control

Description

PTC heaters are designed to help prevent failure of electronic components caused by condensation, corrosion and low temperatures. EH15 series feature PTC technology and are designed for smaller enclosure applications with lower wattage requirements.

Features

- Compact heater in PTC technology
- PTC (Positive Temperature Coefficient) heating element
- Maintains minimum operating temperatures in enclosures
- Helps to prevent failure of electronic components caused by condensation and corrosion
- Push connectors for quick and easy wiring
- 35 mm DIN rail mountable
- UL, VDE, and CE

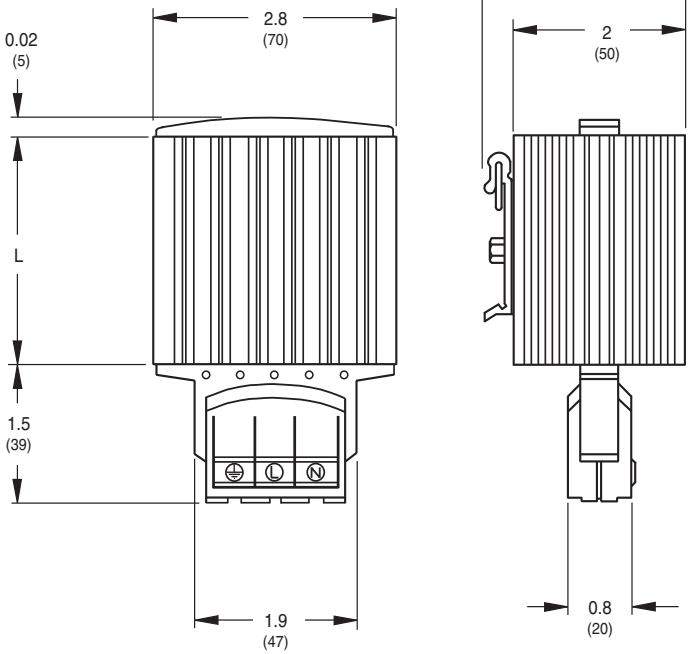
Pending

Catalog Number	Power[1]	Max. Current[2]	L		Weight	
			in.	mm	lbs.	kg
EH15	15W	0.5A	2.6	65	0.66	0.3
EH30	30W	1.0A	2.6	65	0.66	0.3
EH45	45W	1.0A	2.6	65	0.66	0.3
EH60	60W	1.5A	5.5	140	1.10	0.5
EH75	75W	1.8A	5.5	140	1.10	0.5
EH100	100W	2.4A	5.5	140	1.10	0.5
EH150	150W	4.5A	8.7	220	1.76	0.8

[1] At 68°F (20°C) ambient temperature. [2] Inrush current

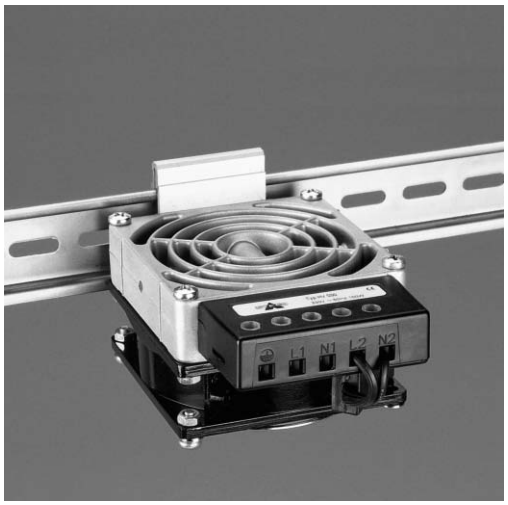
Technical Data	
Operating voltage:	AC/DC 110-250V
Heating element:	PTC resistor, self regulating
Heating body:	Anodized extruded aluminum
Protection class:	I, test voltage 1600V
Protection type:	IP20
Connection:	Push type terminals for stranded and rigid wire 3 x AWG 20-AWG 16 (0.5-2.5 mm²)
Mounting:	Clip for 35 mm DIN rail, EN 50022
Agency approvals:	UL, VDE

Easy wiring by using push-type terminals



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Fan Heaters
Climate Control



Shown: EFH100

Description

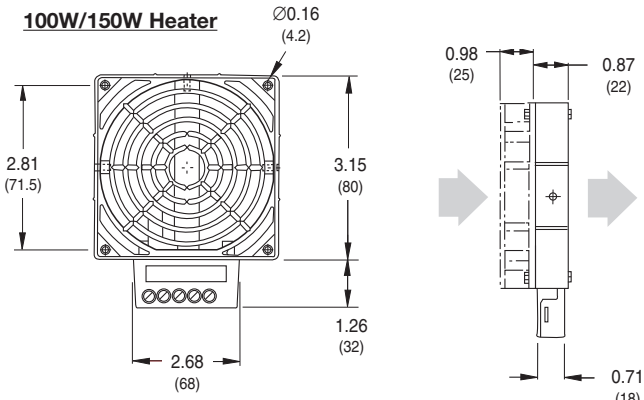
Fan heaters are designed to help prevent failure of electronic components caused by condensation, corrosion and low temperature. EFH100-120 series feature a wide wattage range for maximum versatility in a small compact design.

Features

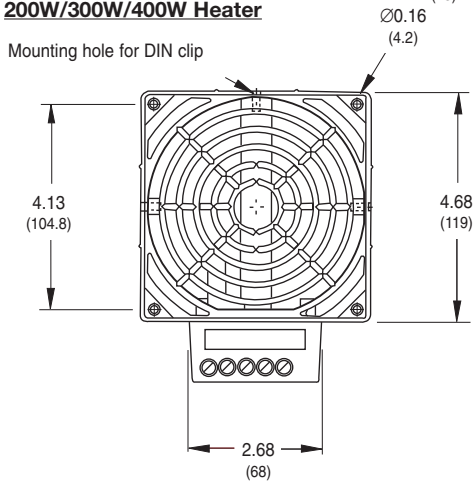
- Small compact size fan heater
- Maintains minimum operating temperatures in enclosures
- Helps prevent failure of electronic components caused by condensation and corrosion
- Built-in overheat protection
- 35 mm DIN rail mountable

Catalog Number	Power	Voltage	Air Flow	
			cfm min.	m³/h min.
EFH100-120	100W	110-120 VAC	20	35
EFH150-120	150W	110-120 VAC	20	35
EFH200-120	200W	110-120 VAC	63	108
EFH300-120	300W	110-120 VAC	63	108
EFH400-120	400W	110-120 VAC	63	108

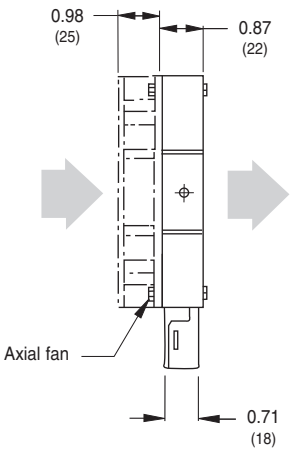
100W/150W Heater



200W/300W/400W Heater



Technical Data	
Heating element:	Resistance type heater
Heat sink:	Die-cast aluminum, glass bead finish
Overheat protection:	Built-in temperature limitor
Air exit temperature:	Approx. 113°F (45°C) 2" (50 mm) above heater
Wiring compartment:	Plastic UL94V-0
Wiring of axial fan:	2 pole terminal (L2/N2), AWG14 max. (2.5 mm²)
Mounting:	Clip for 35 mm DIN rail, EN 50022
Protection type/class:	IP44/I (grounded)
Weight:	100/150W: 0.6 lbs. (240 kg) without fan 200/300/400W: 1.1 lbs. (490 kg) without fan
Agency approvals:	UL



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Small Thermostats

Climate Control

Description

Small thermostats are easy to install and designed to regulate the air temperature inside enclosures. Thermostats increase operating life of fans, heaters and heat exchangers. B-Line's ESTNC-F (normally closed) thermostat opens at temperature rise and is used to control heaters and low temperature alarms. B-Line's ESTNO-F (normally open) thermostat closes at temperature rise and is used to control cooling fans, air conditioners and high temperature alarms.

Features

- Compact design
- Wide adjustment range
- Color coded temperature dials
- 35 mm DIN rail mountable
- Tolerance ±7.2°F (4K)
- 2-pole terminal for AWG 14 max.
- Protection type: IP30
- Plastic housing UL94V-0

Catalog Number	Contact Type	Switching Capacity @ 120 VAC	Switching Capacity @ 250 VAC	Housing Scale	Dimensions in.	Dimensions mm
ESTNC-F	Normally closed	15A resistive/1A inductive	10A resistive/1A inductive	30-140°F	2.4x1.3x1.4	60x33x35
ESTNO-F	Normally opened	15A resistive/1A inductive	10A resistive/1A inductive	30-140°F	2.4x1.3x1.4	60x33x35

Electronic Humidity and Temperature Control

Description

Electronic humidity and temperature control regulates the air temperature and relative humidity inside enclosures. Depending on which contact combination is chosen, the control turns on or off a connected device if either the temperature is below, or the humidity is above the set point.

Features

- Controls both temperature and humidity
- High switching capacity
- Optical function display
- 35 mm DIN rail mountable
- Tolerance ±3.6°F (2k)
- 5-pole terminal for AWG 14 max.
- Protection type: IP20
- Plastic housing UL94V-0

Catalog Number	Temperature Range	Humidity Range	Voltage	Hz	Switching Capacity @ 120 VAC	Switching Capacity @ 240 VAC	Dimensions in.	Dimensions mm
EHTC120-F	32-140°F adjustable	50-90% RH adjustable	120 VAC	50/60	8A Resistive 7 FLA/45 LRA	8A Resistive 5 FLA/30 LRA	2.6x2.0x1.5	67x50x39

Contacts	close at...	open at...	use for
3 and 5	humidity rise or temperature drop	humidity drop or temperature rise	heaters de-humidifiers low-temp alarms
4 and 5	humidity drop or temperature rise	humidity rise or temperature drop	cooling humidifiers high-temp alarms

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

ENGINEERING DATA

Engineering 418

Industry Standards

Enclosure Ratings

Third party certifiers, such as UL & CSA, have adopted most of the enclosure ratings from the ANSI /NEMA 250 standard for electrical enclosures. Such ratings identify the environmental capabilities of enclosures based on specified performance criteria. Thus, the type of enclosure can be selected as deemed appropriate for the application.

These enclosures are intended to house electrical equipment rated at no more than 1000 volts for use in nonhazardous locations. Such enclosures do not protect devices against conditions such as condensation, icing, corrosion or contamination which may occur within the enclosure or may enter via the conduit or unsealed openings, and are not intended to prevent entry or operation by unauthorized personnel.

Sources of Standards

NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
1300 North 17th Street
Suite 1847
Rosslyn, VA 22209
- NEMA Standards Publication No. 250, Enclosures for Electrical Equipment (1000 Volts Maximum)
- NEMA Standards Publication No. ICS6, Enclosures for Industrial Controls and Systems

ELECTRICAL/ELECTRONIC MANUFACTURERS ASSOCIATION OF CANADA
10 Carlson Court, Suite 500
Rexdale (Toronto), Ontario
Canada, M9W 6L2

UNDERWRITERS LABORATORIES INC.
333 Pfingsten Road
Northbrook, IL 60062
- UL 50, Enclosures for Electrical Equipment
- UL 508, Industrial Control Equipment
- UL 870, Wireway, Auxiliary Gutters and Associated Fittings
- UL 414, Meter Sockets

JOINT INDUSTRY COUNCIL
7901 Westpark Drive
McLean, VA 22101
- EMP-1, Electrical Standards for Mass Production Equipment
- EGP-1, Electrical Standards for General Purpose Machine Tools

CANADIAN STANDARDS ASSOCIATION
178 Rexdale Boulevard
Rexdale (Toronto), Ontario
Canada, M9W IR3
- CSA Standard C22.2 No. 94-M91, Industrial Control Equipment for use in Ordinary (Nonhazardous) locations.
- CSA Standard C22.2 No. 40 M1989, Cutout, Junction & Pull Boxes
- CSA Standard C22.2 No. 26 1952, Wireways, Auxillary Gutters & Associated Fittings
- CSA Standard C22.1, 1990, Canadian Electrical Code

NATIONAL FIRE PROTECTION ASSOCIATION
Batterymarch Park
Quincy, MA 02269
- NFPA 70 National Electrical Code (1999)

Industry Standards

An enclosure is a surrounding case constructed to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection to the enclosed equipment against specified environmental conditions.

A brief description of the more common types of enclosures used by the electrical industry relating to their environmental capabilities follows:

NEMA		UL (UL 50)		CSA 22.2 No. 94-M91	
Type 1	Enclosures are intended for indoor use primarily to provide a degree of protection against limited amounts of falling dirt.	**Type 1**	Indoor use primarily to provide a degree of protection against limited amounts of falling dirt.	**Type 1**	General purpose enclosure. Protects against accidental contact with live parts.
Type 3	Enclosures are intended for outdoor use primarily to provide a degree of protection against rain, sleet, wind blown dust and damage from external ice formation.	**Type 3**	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust and damage from external ice formation.	**Type 3**	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, and windblown dust; undamaged by the external formation of ice on the enclosure.
Type 3R	Enclosures are intended for outdoor use primarily to provide a degree of protection against rain, sleet and damage from external ice formation.	**Type 3R**	Outdoor use primarily to provide a degree of protection against rain, sleet, and damage from external ice formation.	**Type 3R**	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, and snow, undamaged by the external formation of ice on the enclosure.
Type 4	Enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.	**Type 4**	Indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.	**Type 4**	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water; undamaged by the external formation of ice on the enclosure.
Type 4X	Enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.	**Type 4X**	Indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.	**Type 4X**	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water; undamaged by the external formation of ice on the enclosure; resists corrosion.
Type 12	Enclosures are intended for indoor use primarily to provide a degree of protection against circulating dust, falling dirt and dripping noncorrosive liquids.	**Type 12/ 12K**	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt and dripping noncorrosive liquids.	**Type 12**	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint, fibres, and flyings; dripping and light splashing of noncorrosive liquids; not provided with knockouts.
Type 12K	Enclosures with knockouts are intended for indoor use primarily to provide a degree of protection against circulating dust, falling dirt and dripping non-corrosive liquids.			**Type 12K**	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint, fibres, and flyings; dripping and light splashing of noncorrosive liquids; and provided with knockouts.
Type 13	Enclosures are intended for indoor use primarily to provide a degree of protection against dust, spraying of water, oil and noncorrosive coolant.	**Type 13**	Indoor use primarily to provide a degree of protection against dust, spraying of water, oil and noncorrosive coolant.	**Type 13**	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint, fibres, and flyings; seepage and spraying of noncorrosive liquids including oils and coolants.

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Comparison of Specific Applications of Enclosures for Indoor Nonhazardous Locations

Provides a degree of protection against the following environmental conditions	Enclosure Type					
	1*	4	4X	12	12K	13
Incidental contact with the enclosed equipment	X	X	X	X	X	X
Falling Dirt	X	X	X	X	X	X
Falling liquids and light splashing		X	X	X	X	X
Circulating dust, lint, fibers and flyings**		X	X	X	X	X
Settling airborne dust, lint, fibers and flyings**		X	X	X	X	X
Hosedown and splashing water		X	X			
Oil and coolant seepage				X	X	X
Oil or coolant spraying and splashing						X
Corrosive agents			X			
Occasional temporary submersion						
Occasional prolonged submersion						

* These enclosures may be ventilated.

** These fibers and flying are nonhazardous materials and are not considered the Class III type ignitable fibers or combustible flyings. For Class III type ignitable fibers or combustible flyings see the National Electrical Code, Article 500.

Comparison of Specific Applications of Enclosures for Outdoor Nonhazardous Locations

Provides a degree of protection against the following environmental conditions:	Enclosure Type			
	3	3R***	4	4X
Incidental contact with the enclosed equipment	X	X	X	X
Rain, snow and sleet*	X	X	X	X
Sleet**				
Windblown dust	X		X	X
Hosedown			X	X
Corrosive agents				X
Occasional temporary submersion				
Occasional prolonged submersion				

* External operating mechanisms are not required to be operable when the enclosure is ice covered.

** External operating mechanisms are operable when the enclosure is ice covered.

*** These enclosures may be ventilated.

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Comparison Between NEMA Enclosure Type Numbers and IEC Enclosure Classification Designations*

IEC Publication 529 *Classification of Degrees of Protection Provided by Enclosures* provides a system for specifying the enclosures of electrical equipment on the basis of degree of protection provided by the enclosure. IEC 529 does not specify degrees of protection against mechanical damage of equipment, risk of explosions, or conditions such as moisture (produced for example by condensation), corrosive vapors, fungus or vermin. NEMA Standards Publication 250 does test for environmental conditions such as corrosion, rust, icing, oil and coolants. For this reason, and because the tests and evaluations for other characteristics are not identical, the IEC Enclosure Classification Designations cannot be exactly equated with NEMA Enclosure Type Numbers.

The IEC designation consists of the letters IP followed by two numerals. The first characteristic numeral indicates the degree of protection provided by the enclosure with respect to persons and solid foreign objects entering the enclosure. The second characteristic numeral indicates the degree of protection provided by the enclosure with respect to the harmful ingress of water.

Table A-1 provides an equivalent conversion from NEMA Enclosure Type Numbers to IEC Enclosure Classification Designations. The NEMA Types meet or exceed the test requirements for the associated IEC Classifications; for this reason Table A-1 cannot be used to convert from IEC Classifications to NEMA Types.

Table A-1 Conversion of NEMA Type Numbers to IEC Classification Designations
(Cannot be used to convert IEC Classification Designations to NEMA Type Numbers)

NEMA ENCLOSURE TYPE NUMBER	IEC ENCLOSURE CLASSIFICATION DESIGNATION
1	IP20
2	IP22
3	IP55
3R	IP24
3S	IP55
4 and 4X	IP66
5	IP53
6 and 6P	IP67
12 and 12K	IP54
13	IP54

Note: This comparison is based on tests specified in IEC Publication 529.

Components Suitable for Closing Openings in Enclosures

Enclosure Type	Openings shall be closed by equipment rated for enclosure types
3	3, 3S, 4, 4X
3R	3, 3R, 3S, 4, 4X
4	4, 4X
4X	4X
12,12K	12, 12K, 13, 4, 4X
13	13

Materials and Finishes

Caution: Environmental capabilities of enclosures, including materials and finishes, are limited to the degree of protection provided by the "type" rating of the selected enclosure. See industry standards for more information.

METALS

Characteristics of Various Metals

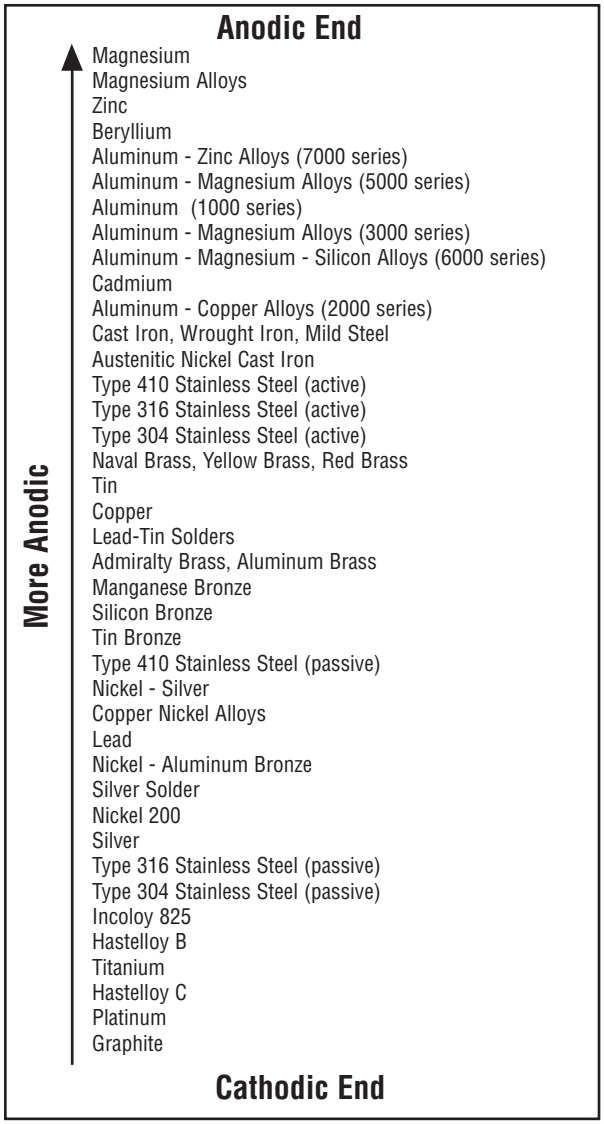
Hot Rolled Pickled and Oiled Steel Sheets (ASTM A1011)
A low-carbon, hot-finished steel that has had the normal mill oxide removed by means of an acid bath. After de-scaling, an oil film is applied to protect the surface. Removal of the mill oxide improves the surface appearance, uniformity, and finishing quality.

Cold Rolled Steel (ASTM A1008)
A low-carbon, cold-finished steel having commercial quality, close thickness tolerance and better surface than hot rolled pickled and oiled.

Galvanized Steel (ASTM A653)
Steel with a zinc coating applied by the hot dip galvanizing process. The zinc coating provides a degree of corrosion protection, and also provides some protection at the sheared edges.

Stainless Steel Type 302/304 (ASTM-A240)
An excellent corrosion resistant material with excellent mechanical properties. It has many of the same chemical resistance attributes of fiberglass materials.

5052-H32 Aluminum (ASTM B209)
An excellent alloy for enclosure manufacturing. It exhibits good resistance to corrosion in a marine atmosphere.



Gasket Material

Poron 4701-40
High density polyurethane with excellent compression set, resistance and good oil resistance.

Finishes

Polyester Urethane - Powder: A durable and smooth coating with good adhesion and corrosion resistance suitable for outdoor use. Provides good impact protection against heat or chemicals.

Electrocoat (E-Coat) - Liquid: A rugged cathodic acrylic coating that results in a unique combination of durability and corrosion resistance.

Epoxy - Powder: A tough, durable finish which is corrosion resistant and resistant to many solvent oils. Gloss may be affected by prolonged exposure to UV light.

Corrosion Resistance

B-Line Manufactures enclosures from a wide range of materials, offering varying degrees of resistance against chemical corrosion. All materials are affected by corrosion in some manner. Depending on the physical properties of the material and the environment to which it is exposed, chemical or electromechanical corrosion may occur. In order to select the appropriate material for your application, refer to the corrosion resistance table on the following pages.

Atmospheric Corrosion

Atmospheric corrosion occurs when a material is exposed to airborne liquids, solids, or gases. Some sources of atmospheric corrosion are moisture, salt, dirt, and sulfuric acid. This form of corrosion is typically worse outdoors, and especially near marine environments.

To combat the effects of atmospheric corrosion, the National Electrical Manufacturers Association (NEMA) has developed the NEMA 4X rating. An enclosure carrying the NEMA 4X rating meets certain minimum conditions of corrosion resistance. Specifically, the materials from which NEMA 4X rated enclosures are formed must withstand two hundred hours of salt spray with no more evidence of corrosive pitting than is exhibited by a concurrently tested sample of Type 304 stainless steel.

B-Line offers metallic NEMA 4X rated enclosures in aluminum, and stainless steel Type 304 and Type 316L as well as a full line of NEMA 4X rated non-metallic enclosures.

Chemical Corrosion

Chemical corrosion takes place when a material comes into direct contact with a corrosive agent. The severity of chemical corrosion is affected by chemical concentration level, frequency of washing, and operating temperature. Refer to the chart below for a general overview of how different enclosures might perform when in contact with chemicals of varying pH. The chart is provided as a quick guide to how different materials might perform in your environment. We recommend consulting the detailed corrosion resistance table provided on the following pages to be sure that the appropriate material is selected.

Storage Corrosion

Wet storage stain (White rust) is caused by the entrapment of moisture between the surfaces of closely packed and poorly ventilated material for an extended period. Wet storage stain is usually superficial, having little affect on the properties of the material.

Proper handling and storage will help to assure stain free material. If a product arrives wet, it should be unpacked and allowed to dry before storage. Dry material should be stored in a well-ventilated, low-moisture environment to avoid the formation of condensation. Outdoor storage is undesirable and should be avoided whenever possible.

Galvanic Corrosion

Galvanic corrosion occurs when two or more dissimilar metals are in contact in the presence of seawater or another electrolyte. In this situation, an electrolytic cell is created and the metals become either an anode or a cathode. The anodic material will corrode and the cathodic material will be protected.

Whether a material is anodic depends on the relative positions of the interacting materials in the Galvanic Series Table (shown at left). For example: If zinc and steel are in contact, the zinc acts as the anode and will corrode while protecting the steel. If steel and copper are in contact, the steel is now the anode and will corrode while protecting the copper.

The rate at which galvanic corrosion occurs depends on several factors:

1. The amount and concentration of electrolyte present. An indoor, dry environment will support little or no galvanic corrosion relative to a wet atmosphere.
2. The relative amount of the materials. A small amount of anodic material in contact with a large amount of cathodic material will result in accelerated corrosion of the anodic material. Inversely, a large amount of anodic material in contact with a small amount of cathodic material will decrease the rate of corrosion.
3. The relative position of the materials in the Galvanic Series. The further apart the interacting materials are in the Galvanic Series, the greater the potential for corrosion of the anodic material.

	Solvent	Caustic	Acid
Preferred	Stainless Steel Type 316 Stainless Steel Type 304 Non-Metallic Aluminum Steel, Epoxy Powder Coated	Non-Metallic Stainless Steel Type 316 Stainless Steel Type 304	Non-Metallic Stainless Steel Type 316 Stainless Steel Type 304
Satisfactory	Non-Metallic	Non-Metallic	Non-Metallic Steel, Epoxy Powder Coated
Limited		Steel, Epoxy Powder Coated Aluminum	Aluminum

Note: The corrosion data given in the table on the following pages is for general comparison only. (Reference Corrosion Resistance Tables, Second Edition)
The presence of contaminates in chemical environments can greatly affect the corrosion rate of any material. B-Line strongly suggests that field service tests or simulated laboratory tests using actual environmental conditions be conducted in order to determine the proper materials and finishes to be selected. B-Line offers no guarantee or warranty as to the suitability of a particular material for use in any specific environment which is beyond our control.

Corrosion Resistance Table

Chemical	Unpainted Metal Enclosures									Painted Steel Enclosures					
	Aluminum			Stainless Steel Type 304			Stainless Steel Type 316			Acrylic Electrocoat, ANSI 61 Gray			Polyester Powdercoat, ANSI 61 Gray		
	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot
Acetic Acid, 50%	R	L	U	R	R	L	R	R	R	U	U	U	R	R	U
Acetic Acid, 10%	R	L	U	R	R	R	R	R	R	U	U	U	R	R	R
Acetone	R	R	R	R	R	R	R	R	R	U	U	U	U	U	U
Aluminum Chloride	U	U	U	R	R	R	R	R	R	R	--	--	R	R	R
Aluminum Sulfate ,Saturated	R	R	R	R	R	R	R	R	R	R	--	--	R	R	R
Ammonia Gas	--	--	--	R	--	--	R	--	--	R	--	--	R	R	L
Ammonium Hydroxide, 10%	L	L	L	R	R	R	R	R	R	R	--	--	L	L	L
Amyl Acetate	R	R	R	R	R	R	R	R	R	U	U	U	L	U	U
Amyl Alcohol	R	R	R	R	--	--	R	R	R	R	--	--	R	R	R
Aniline	R	R	R	R	R	R	R	R	R	U	U	U	U	U	U
Aqua Regia	U	U	U	U	U	U	U	U	U	--	--	--	U	U	U
Benzene, Benzol	R	R	R	R	R	R	R	R	R	U	U	U	U	U	U
Benzoic Acid	L	L	U	R	R	R	R	R	R	U	U	U	R	R	--
Boric Acid	R	R	L	R	R	R	R	R	R	R	--	--	R	R	--
Bromine Water	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Butyl Acetate	R	R	R	R	--	--	R	R	R	U	U	U	L	U	U
Butyl Alcohol, Tertiary	R	R	R	R	R	R	R	R	R	R	--	--	R	--	--
Butyric Acid	L	L	L	R	R	R	R	R	R	U	U	U	R	R	--
Calcium Chloride	L	L	U	R	R	R	R	R	R	R	--	--	R	R	R
Calcium Hydroxide	U	--	--	R	R	R	R	R	R	R	--	-	R	R	--
Calcium Nitrate	R	R	--	R	--	--	R	R	R	--	--	--	R	R	R
Carbon Dioxide, Wet	R	R	--	R	R	L	R	R	L	R	--	--	R	R	R
Carbon Disulfide (Bisulfide)	R	R	R	R	R	L	R	R	R	R	--	--	U	U	U
Carbon Monoxide	R	R	R	R	R	R	R	R	R	--	--	--	R	R	R
Carbon Tetrachloride	L	L	U	L	L	L	R	R	R	U	U	U	U	U	U
Chlorine, Liquid	--	--	--	R	L	--	--	--	--	--	--	--	--	--	--
Chlorine Water, Saturated	R	--	--	U	U	U	U	U	U	R	--	--	R	R	R
Chlorobenzene (Phenylchloride)	R	R	--	R	R	L	R	R	R	U	U	U	U	U	U
Chloroform	R	L	U	R	L	L	R	R	R	U	U	U	U	U	U
Chlorox Bleach Solution, 5.5% Chlorine	U	U	U	--	--	--	R	--	--	--	--	--	--	--	--
Chromic Acid, 10%	R	R	--	R	R	L	R	R	R	U	U	U	U	U	U
Citric Acid, 5%	L	L	L	R	U	U	R	R	R	R	--	--	R	R	R
Copper Chloride	U	U	U	U	U	U	U	U	U	R	--	--	R	R	R
Copper Sulfate	U	U	U	R	R	R	R	R	R	U	U	U	R	R	R
Cresol	R	L	--	R	R	--	R	L	--	U	U	U	U	U	U
Crude Oil	R	R	--	R	R	R	R	R	R	--	--	--	R	R	R
Diesel Fuels	R	--	--	R	--	--	R	--	--	--	--	--	R	R	--
Dimethyl Formamide	R	--	--	--	--	--	R	R	R	U	U	U	U	U	U
Dioxane	R	R	R	R	R	R	R	R	R	--	--	--	U	U	U
Ethyl Acetate	R	R	R	R	R	L	R	R	R	U	U	U	U	U	U
Ethyl Alcohol	R	R	R	R	R	R	R	R	R	U	U	U	R	--	--
Ethyl Chloride	R	R	R	R	R	R	R	R	R	U	U	U	--	--	--
Ethyl Ether	R	--	--	R	R	R	R	R	R	U	U	U	U	U	U
Ethylene Glycol	R	R	L	R	R	--	R	R	R	R	--	--	R	R	R
Ethylene Oxide	R	R	R	R	R	L	R	R	R	--	--	--	U	U	U
Ferric Chloride	U	U	U	U	U	U	U	U	U	R	--	--	R	R	--
Formaldehyde, 37% Solution	R	R	R	R	R	R	R	R	R	R	--	--	R	R	--
Formic Acid, 10%	R	R	--	R	R	U	R	R	R	U	U	U	--	--	--
Freon, F-22	R	--	--	R	--	--	R	R	R	--	--	-- --	--	--	
Gasoline, Unleaded	R	R	R	R	--	--	R	--	--	R	U	U	R	R	R
Heptane	R	L	--	R	R	R	R	R	R	--	--	--	R	R	R
Hexane	R	--	--	R	R	R	R	R	R	R	--	--	R	--	--
Hydrobromic Acid, Dilute	U	U	U	U	U	U	U	U	U	--	--	--	R	R	--

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R = Recommended L = Limited Use U = Unsatisfactory -- = Information not available Cold = 50-80°F Warm = 130-170°F Hot = 200-212°F

Corrosion Resistance Table

Non-Metallic Enclosures			Door Gasket Materials				
Polyamide	Polycarbonate	Polyester	Foam-in-Place Polyurethane Sponge	Poron Polyurethane Sponge	Neoprene Rubber Sponge	Silicone Rubber Sponge	Viton, Rubber Sponge
L	L	R	--	--	L	R	R
R	R	R	L	L	L	R	R
R	U	U	U	U	L	U	U
L	R	R	R	R	R	R	R
L	R	R	R	R	R	R	R
U	U	L	R	R	R	--	U
U	U	U	R	R	R	R	R
--	U	L	U	U	U	U	U
--	L	L	U	U	R	U	R
U	U	U	U	U	U	R	R
--	L	U	U	U	--	--	R
R	U	L	U	U	R	U	R
L	U	L	U	U	R	R	R
L	R	R	L	L	U	R	R
--	U	U	U	U	U	U	R
--	U	L	U	U	U	R	R
R	R	R	--	--	U	R	R
L	U	L	--	--	U	U	R
R	R	R	R	R	R	R	R
U	--	U	L	L	R	R	R
L	R	R	L	L	R	R	R
L	--	R	R	R	R	R	R
R	U	L	--	--	U	--	R
L	--	R	R	R	R	R	R
R	U	L	U	U	U	U	R
L	L	L	--	--	U	U	R
R	R	R	U	U	U	U	R
R	U	U	U	U	U	U	R
R	U	U	U	U	U	U	R
--	L	R	--	--	U	U	U
U	R	L	U	U	U	L	R
R	R	R	--	--	R	R	R
L	R	--	R	R	R	R	R
L	R	R	R	R	R	--	R
U	U	U	U	U	U	--	R
L	--	L	L	L	U	U	R
--	R	R	--	--	R	U	R
U	U	L	--	--	U	L	L
--	U	L	--	--	U	L	L
R	U	L	U	U	U	R	U
R	L	R	U	U	U	R	U
R	U	L	--	--	L	U	R
R	U	U	U	U	U	U	U
L	R	R	R	R	R	R	R
--	R	R	U	U	U	U	U
L	R	R	R	R	R	R	R
L	R	R	U	U	R	--	L
R	R	L	U	U	R	R	R
--	U	R	U	U	R	U	R
R	L	R	R	R	R	U	R
R	R	R	U	U	R	U	R
--	L	R	R	R	R	U	R
L	--	L	--	--	U	U	R

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The presence of contaminates in chemical environments can greatly affect the corrosion rate of any material.

R = Recommended L = Limited Use U = Unsatisfactory -- = Information not available Cold = 50-80°F Warm = 130-170°F Hot = 200-212°F

Corrosion Resistance Table cont.

Chemical	Unpainted Metal Enclosures									Painted Steel Enclosures					
	Aluminum			Stainless Steel Type 304			Stainless Steel Type 316			Acrylic Electrocoat, ANSI 61 Gray			Polyester Powdercoat, ANSI 61 Gray		
	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot
Hydrochloric Acid, 20%	U	U	U	U	U	U	U	U	U	R	--	--	R	R	--
Hydroflouric Acid, 10%	U	U	U	U	U	U	U	U	U	--	--	--	R	--	--
Hydrogen Peroxide, 30%	R	R	R	R	R	R	R	R	R	--	--	--	R	--	--
Hydrogen Sulfide, Wet	R	--	--	U	U	U	R	R	R	R	R	--	R	R	--
Isopropyl Alcohol	R	--	--	R	R	--	R	R	R	--	--	--	U	U	U
Jet Fuels	R	R	--	R	--	--	R	R	R	R	--	--	R	R	--
Kerosine	R	R	--	R	R	R	R	R	R	R	--	--	R	R	--
Lactic Acid, 10%	R	--	--	R	R	L	R	R	R	U	U	U	R	R	R
Magnesium Chloride	U	U	U	L	L	L	R	R	R	R	--	--	R	R	R
Methyl Alcohol	R	L	--	R	R	L	R	R	R	--	--	--	R	R	--
Methyl Ethyl Ketone	R	L	--	R	L	--	R	R	R	U	U	U	U	U	U
Methylene Chloride	R	R	R	R	R	L	R	R	R	U	U	U	U	U	U
Mineral Oils	R	R	--	R	--	--	R	R	R	R	--	--	R	--	--
Naptha	R	--	--	R	R	--	R	--	--	R	U	U	R	R	R
Nitric Acid, 10%	U	U	U	R	R	R	R	R	R	R	--	--	R	R	U
Nitrobenzene	R	--	--	R	R	L	R	R	R	U	U	U	U	U	U
Oleic Acid	R	--	--	R	R	L	R	R	R	R	R	--	R	R	R
Oleum	R	--	--	R	--	--	R	--	--	U	U	U	U	U	U
Oxalic Acid, 10%	R	L	--	U	U	U	U	U	U	R	--	--	R	R	--
Oxygen	R	R	--	R	--	--	R	R	R	--	--	--	--	--	--
Ozone	R	R	--	R	R	--	R	R	R	--	--	--	--	--	--
Perchloroethylene	R	R	R	R	R	R	R	R	R	--	--	--	R	U	U
Phenol	R	R	R	R	R	R	R	R	R	R	--	--	U	U	U
Phosphoric Acid, 25%	U	U	U	R	R	L	R	L	U	R	--	--	R	R	R
Phthalic Acid	R	R	R	R	R	R	R	R	R	--	--	--	R	--	--
Potassium Chloride, 30%	U	U	U	R	R	R	R	R	R	R	--	--	R	R	R
Potassium Dichromate, 30%	R	R	L	R	R	R	R	R	R	R	--	--	R	R	R
Potassium Hydroxide, 10%	U	U	U	R	R	L	R	R	R	R	R	U	U	U	U
Potassium Nitrate, 50%	R	R	R	R	R	L	R	R	R	R	--	--	R	R	R
Potassium Permanganate, 10%	R	R	R	R	L	L	R	R	L	U	U	U	R	R	--
Pyradine	R	R	R	R	R	R	R	R	R	--	--	--	U	U	U
Sodium Bicarbonate, 20%	R	--	--	R	R	R	R	R	R	R	--	--	R	R	--
Sodium Bisulfite, 10%	U	U	U	R	R	L	R	R	R	R	--	--	R	R	--
Sodium Carbonate, 10%	U	U	U	R	R	L	R	R	R	U	U	U	R	R	U
Sodium Chlorate, 10%	R	R	R	R	R	R	R	R	R	R	--	--	R	R	--
Sodium Chloride, 10%	R	U	U	R	R	L	R	R	R	R	--	--	R	R	R
Sodium Hydroxide, 10%	U	U	U	R	R	R	R	R	R	R	--	--	R	U	U
Sodium Hypochlorite, 10%	R	L	L	R	L	U	R	--	--	R	R	--	U	U	U
Sodium Nitrate	R	R	R	R	R	U	R	R	R	R	--	--	R	R	R
Sodium Sulfate	R	R	L	R	R	U	R	R	R	R	--	--	R	R	U
Sulfur Dioxide	R	R	R	R	R	R	R	R	R	R	R	--	R	R	R
Sulfuric Acid, 5%	U	U	U	L	U	U	R	--	--	R	--	--	R	R	R
Tartaric Acid	L	U	U	R	R	R	R	R	R	--	--	--	R	R	R
Tetrahydrofuran	U	U	U	R	--	--	L	L	L	--	--	--	U	U	U
Toluene	R	R	R	R	R	R	R	R	R	U	U	U	R	U	U
Trichloroacetic Acid	U	U	U	U	U	U	U	U	U	--	--	--	R	R	U
Trichloroethylene	R	R	L	R	L	L	R	R	L	U	U	U	U	U	U
Trisodium Phosphate	U	U	U	R	R	--	R	R	--	--	--	--	R	R	U
Turpentine	L	--	--	R	R	--	R	R	L	R	--	--	R	R	--
Water	R	R	L	R	R	R	R	R	R	R	--	--	R	R	R
Xylene	R	R	R	R	R	R	R	R	R	--	--	--	R	--	--
Zinc Chloride	U	U	U	U	U	U	L	L	L	R	--	--	R	R	R
Zinc Sulfate	U	U	U	R	R	R	R	R	R	R	--	--	R	R	R

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Corrosion Resistance Table

Non-Metallic Enclosures			Door Gasket Materials				
Polyamide	Polycarbonate	Polyester	Foam-in-Place Polyurethane Sponge	Poron Polyurethane Sponge	Neoprene Rubber Sponge	Silicone Rubber Sponge	Viton, Rubber Sponge
L	L	L	R	R	R	R	R
L	R	L	--	--	R	U	R
--	R	R	--	--	U	R	R
L	R	R	--	--	R	L	U
R	R	R	U	U	U	U	U
R	L	R	U	U	U	U	R
R	R	R	U	U	R	U	R
L	R	R	--	--	R	R	R
L	R	R	R	R	R	R	R
R	L	L	U	U	R	U	U
R	U	L	U	U	U	U	U
R	U	U	U	U	--	--	R
L	R	R	R	R	R	R	R
--	R	R	R	R	U	U	R
L	R	L	U	U	U	U	R
L	U	L	U	U	U	U	R
L	R	R	R	R	L	U	R
U	--	U	U	U	L	U	R
L	R	R	--	--	U	R	R
L	R	R	--	--	U	R	R
--	U	L	--	--	L	R	R
R	--	U	U	U	U	U	R
L	U	U	U	U	R	U	R
L	L	L	--	--	R	--	--
L	--	R	--	--	R	R	R
--	R	R	R	R	R	R	R
U	--	L	R	R	R	R	R
L	U	U	R	R	R	L	R
L	R	R	--	--	R	R	R
U	R	L	--	--	R	--	R
L	U	--	--	--	L	R	R
U	R	R	--	--	R	R	R
--	R	R	--	--	R	R	R
U	R	R	--	--	R	R	R
--	R	R	--	--	R	L	R
L	R	R	R	R	R	R	R
R	U	L	--	--	R	R	R
U	R	L	--	--	L	R	R
L	U	R	--	--	R	U	R
L	R	R	R	R	R	R	R
L	L	R	--	--	R	R	R
L	L	L	U	U	U	U	R
L	R	R	R	R	R	R	R
--	U	U	--	--	U	U	U
L	U	L	U	U	--	R	R
--	R	U	--	--	U	U	L
L	--	L	U	U	U	U	R
U	L	--	R	R	R	R	R
--	L	R	U	U	U	U	R
R	R	R	R	R	U	--	R
--	U	L	U	U	U	U	R
L	R	R	--	--	R	R	R
L	R	R	--	--	R	R	R

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Wireway Selection (Reference NFPA 70, National Electrical Code 2002)

Definition

Wireways are troughs with hinged or removable covers for housing and protecting electric wires and cable. Conductors are laid into the wireway after the wireway has been installed as a complete system.

Uses

The use of wireways are permitted as follows:

1. For exposed work in dry locations. For outdoor or wet locations, use Type 3R wireway.
2. If installed in inaccessible spaces, the use of wireway is permitted only for use with audio signal conductors (per NEC® 640-24).
3. In hazardous locations as permitted by NEC® sections 501-46, 502-46 and 504-20.

The use of wireways is not permitted where a risk of severe physical damage or corrosive vapor is present.

Size of Conductors

Table I shows maximum allowable cable sizes for varying wireway sizes. (Based on UL 870-6.1)

Table I

Wireway Size Inches	Maximum Cable Size AWG or kcmil
2.5x2.5	2
3x3	1
4x4	4/0
4x6	4/0
6x6	500
12x6	500
8x8	900
10x10	1250
12x12	2000

Conductors entering the wireway only at the ends of runs are limited in size only by the 20 percent fill requirement of the NEC®. However, it is recommended that wire sizes not exceed those in Table I.

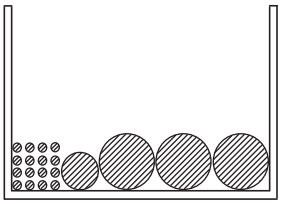
Number of Conductors

Wireways which contain no more than 30 current-carrying conductors at any cross section, and for which the sum of the cross-sectional areas of all contained conductors at any cross section does not exceed 20% of the interior cross-sectional area of the wireway, require no derating of cables.

Table II

Wireway Size Inches	Allowable Cable Area sq. in.
2.5x2.5	1.2
3x3	1.8
4x4	3.2
4x6	4.8
6x6	7.2
8x8	12.8
12x6	14.4
10x10	20.0
12x12	28.8

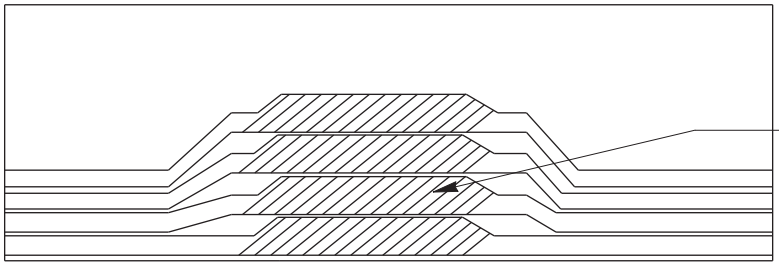
Cross sectional area of conductors ≤ 20% of cross sectional area of wireway.



For exceptions allowing more conductors, see NEC® 362-5.

Splices and Taps

Splices and taps are permitted within a wireway, provided they are accessible. The conductors, including splices and taps, shall not fill the wireway to more than 75 percent of its area at the point of a splice or tap.



Cross Sectional Area of Conductors

Single Conductor Cable 600V

SIZE	Cross Sectional Area of Conductors (sq. in.)							
	XXHW, XXHW-2, XHH		THHN, THWN THWN-2		THW, THW-2, THHW		RHH*, RHW* RHW-2*	
AWG-kcml	Diameter in.	Area in.²	Diameter in.	Area in.²	Diameter in.	Area in.²	Diameter in.	Area in.²
14	0.1330	1.0139	0.1110	0.0097	0.1630	0.0209	0.1930	0.0293
12	0.1520	1.0181	0.1300	0.0133	0.1820	0.0260	0.2120	0.0353
10	0.1760	0.0243	0.1640	0.0211	0.2060	0.0333	0.2360	0.0437
8	0.2360	0.0437	0.2160	0.0366	0.2660	0.0556	0.3260	0.0835
6	0.2740	0.0590	0.2540	0.0507	0.3040	0.0726	0.3640	0.1041
4	0.3220	0.0814	0.3240	0.0824	0.3520	0.0973	0.4120	0.1333
3	0.3500	0.0962	0.3520	0.0973	0.3800	0.1134	0.4400	0.1521
2	0.3820	0.1146	0.3840	0.1158	0.4120	0.1333	0.4720	0.1750
1	0.4420	0.1534	0.4460	0.1562	0.4920	0.1901	0.5850	0.2688
1/0	0.4820	0.1825	0.4860	0.1855	0.5320	0.2223	0.6220	0.3039
2/0	0.5280	0.2190	0.5320	0.2223	0.5780	0.2624	0.6680	0.3505
3/0	0.5800	0.2642	0.5840	0.2679	0.6300	0.3117	0.7200	0.4072
4/0	0.6380	0.3197	0.6420	0.3237	0.6880	0.3718	0.7780	0.4754
250	0.7050	0.3904	0.7110	0.3970	0.7650	0.4596	0.8950	0.6291
300	0.7600	0.4536	0.7660	0.4608	0.8200	0.5281	0.9500	0.7088
350	0.8110	0.5166	0.8170	0.5242	0.8710	0.5958	1.0010	0.7870
400	0.8580	0.5782	0.8640	0.5863	0.9180	0.6619	1.0480	0.8626
500	0.9430	0.6984	0.9490	0.7073	1.0030	0.7901	1.1330	1.0082
600	1.0530	0.8790	1.0510	0.8676	1.1130	0.9729	1.2430	1.2135
700	1.1240	0.9923	1.1220	0.9887	1.1840	1.1010	1.3140	1.3561
750	1.1580	1.0532	1.1560	1.0496	1.2180	1.1652	1.3480	1.4272
800	1.1900	1.1122	1.1880	1.1085	1.2500	1.2272	1.3800	1.4957
900	1.2540	1.2351	1.2520	1.2311	1.3140	1.3561	1.4440	1.6377
1000	1.3120	1.3519	1.3100	1.3478	1.3720	1.4784	1.5020	1.7719
1250	1.4790	1.7180	-	-	1.5390	1.8602	1.7290	2.3479
1500	1.6020	2.0156	-	-	1.6620	2.1695	1.8520	2.6938
1750	1.7160	2.3127	-	-	1.7760	2.4773	1.9660	3.0357
2000	1.8220	2.6073	-	-	1.8820	2.7818	2.0720	3.3719

* RHH, RHW and RHW-2 without covering have the same dimension as THW.

Wireway Selection

Sample Calculation

A. Wireway dimensions are obtained as follows:

1. List cables by size and types.

2. List cable cross sectional areas.

3. List the number of each size of cable.

4. Multiply cable cross sectional areas by number of each cable.

5. Sum the total cross sectional areas of each cable type to obtain the total cross sectional areas for the conductors.

List Cable Sizes and Types	List Cable Cross Sectional Areas (A) sq. in.	List Number of Cables (N)	Multiply (A) x (N) = Total Cross Sectional Area for Each Size sq. in.
2 AWG-XXHW	0.1182	4	0.4728
2/0-TW	0.2290	2	0.4580
750 kcmil-RHH	1.1300	2	2.2600
Sum of the total cross sectional areas =			3.1908

6. The wireway must first meet the dimensional requirements for the largest conductor. In this case, the largest conductor is 750 kcmil. The minimum dimensions based on conductor size are obtained from Table I. To comply with the NEC®'s conductor size limitations, the wireway must be at least 8x8.

7. The wireway dimensions must meet 20% fill requirements. Based on the sum of the total cross sectional areas of the conductors (3.19 sq. in.), the minimum dimensions are obtained from Table II. To comply with the NEC®'s 20 percent fill requirements, the wireway must be at least 4x4.

8. In order to comply with UL's maximum conductor size limitations, and the NEC®'s 20 percent fill requirements, the wireway dimensions must be the larger of the two dimensions obtained in steps 6 and 7. In this case, 8x8 wireway is chosen.

B. Solution

For this case, 8x8 wireway is chosen in order to fully comply with both the NEC®'s 20 percent fill requirement and maximum conductor size limitations.

Decimal and Metric Equivalents

4ths	8ths	16ths	32nds	64ths	To 3 places	To 2 places	Millimeters
				1/64	.016	.02	0
			1/32		.031	.03	1
				3/64	.047	.05	1
		1/16			.062	.06	2
				5/64	.078	.08	2
			3/32		.094	.09	2
				7/64	.109	.11	3
	1/8				.125	.12	3
				9/64	.141	.14	4
			5/32		.156	.16	4
				11/64	.172	.17	4
		3/16			.188	.19	5
				13/64	.203	.20	5
			7/32		.219	.22	6
				15/64	.234	.23	6
1/4					.250	.25	6
				17/64	.266	.27	7
			9/32		.281	.28	7
				19/64	.297	.30	8
		5/16			.312	.31	8
				21/64	.328	.33	8
			11/32		.344	.34	9
				23/64	.359	.36	9
	3/8				.375	.38	10
				25/64	.391	.39	10
			13/32		.406	.41	10
				27/64	.422	.42	11
		7/16			.438	.44	11
				29/64	.453	.45	12
			15/32		.469	.47	12
				31/64	.484	.48	12
1/2					.500	.50	13
				33/64	.516	.52	13
			17/32		.531	.53	13
				35/64	.547	.55	14
		9/16			.562	.56	14
				37/64	.578	.58	15
			19/32		.594	.59	15
				39/64	.609	.61	15
	5/8				.625	.62	16
				41/64	.641	.64	16
			21/32		.656	.66	17
				43/64	.672	.67	17
		11/16			.688	.69	17
				45/64	.703	.70	18
			23/32		.719	.72	18
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Metric Conversion Tables

LENGTH

U.S. to Metric

1 inch	=	25.40 millimeters
1 inch	=	2.540 centimeters
1 foot	=	30.480 centimeters
1 foot	=	0.3048 meter
1 yard	=	91.440 centimeters
1 yard	=	0.9144 meter
1 mile	=	1.609 kilometers

Metric to U.S.

1 millimeter	=	0.03937 inch
1 centimeter	=	0.3937 inch
1 meter	=	39.37 inches
1 meter	=	3.2808 feet
1 meter	=	1.0936 yards
1 kilometer	=	0.62137 mile

AREA

U.S. to Metric

1 sq. inch	=	645.16 sq. millimeters
1 sq. inch	=	6.4516 sq. centimeters
1 sq. foot	=	929.03 sq. centimeters
1 sq. foot	=	0.0929 sq. meter
1 sq. yard	=	0.836 sq. meter

Metric to U.S.

1 sq. millimeter	=	0.00155 sq. inch
1 sq. centimeter	=	0.1550 sq. inch
1 sq. meter	=	10.7640 sq. feet
1 sq. meter	=	1.196 sq. yards

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