

“ Benchmark customer service and technical solutions expertise
in the controls world. ”



MOTOR CONTROLS



Products manufactured in the United States



Products that are new to the catalog



PSR Series pg. 601



Altivar 212 pg. 611



SmartVFD HVAC pg. 603

Kele

www.kele.com

MODEL/SERIES

PAGE

Motor Starters

PSR Series — Softstarters 601

Variable Frequency Drives (VFD) and Bypasses

SmartVFD HVAC — Honeywell All Purpose Variable Frequency Drives 603

SmartVFD HVAC With Bypass Assembly — Variable Frequency Drives with Bypass. 606

SmartDrive Compact VFD — Honeywell Compact Variable Frequency Drive . 609

Altivar 212 Variable Frequency Drives — Square D by Schneider Variable Frequency Drives 611

S-FLEX ENCLOSED DRIVES — Square D by Schneider Enclosed Variable Frequency Drives with Bypass 614

Motor Controls

 Indicates New Products



DESCRIPTION

Constant-speed AC motors are used to drive HVAC fans and pumps. During start and stop, both mechanical and electrical stresses are high, causing undesirable load peaks each time the motors are started. An ABB Softstarter eliminates many of these problems. The voltage is smoothly applied to, and removed from, the motor. Both the torque and the current consequently behave in the same way. The result is that mechanical and electrical stresses are significantly lower than with conventional starting methods.

The **PSR series** Compact Softstarters range covers motor currents from 3 to 46A. All sizes include a Run signal relay. The 25A and above are also provided with an output signal for TOR (Top Of Ramp, i.e. full voltage). With standard performance the **PSR** Softstarters handle ten starts per hour. When an auxiliary cooling fan is added, the starting capacity is increased to 20 starts per hour.

FEATURES

- **Compact size**
- **Easy to install and adjust**
- **DIN rail or screw mounting**

NEW!



PSR16-600-70



PSR45-600-70



PSR30-600-70

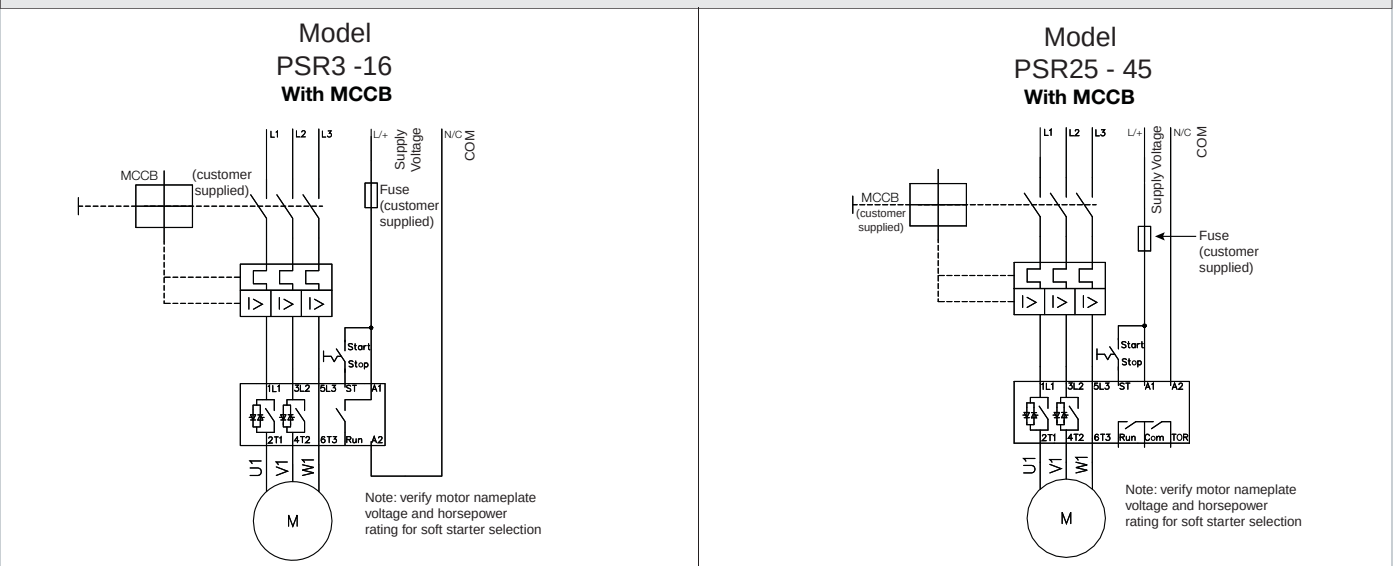


- **Run signal relay**
- **25A and above includes "Top Of Ramp" output signal**
- **Motor ratings up to 600 VAC and 40Hp**
- **Seperate Acceleration/ Deceleration times**

SPECIFICATIONS

Supply Voltage	100/ 240 V, 24 VDC	Acceleration Time	1-10 seconds
Motor Voltage Rating	208 to 600 VAC	Deceleration Time	0-20 seconds
Current Rating		Altitude Limits	13,123 ft. (4000 m)
PSR3	3.9A Starting capacity 15.6A for 6s	Protection Rating	Main circuit IP20 Control Circuit IP20
PSR6	6.8A Starting capacity 27.2A for 6s	LED Indication	On/ Ready Green On/ Ready Green
PSR9	9A Starting capacity 36A for 6s		Run/ Top of Ramp Green
PSR12	12A Starting capacity 48A for 6s		Run/ Top of Ramp Green
PSR16	16A Starting capacity 64A for 6s	Operating Temperature	-13° to 140°F (-25° to 60°C)
PSR25	25A Starting capacity 100A for 6s	Storage Temperature	-40° to 158°F (-40° to 70°C)
PSR30	30A Starting capacity 120A for 6s	Number of Starts/ hr	10 standard; 20 with Aux. Fan
PSR37	37A Starting capacity 148A for 6s	Approvals	UL Listed File E161428
PSR45	46A Starting capacity 180A for 6s	Warranty	12 months from installation, maximum 18 months from factory
Horsepower	Based on rated Voltage and FLA		

WIRING





MOTOR CONTROLS

SOFTSTARTERS PSR SERIES

ORDERING INFORMATION

Model	Control Supply Voltage	Full Load Amps	Horsepower				Circuit Breaker Max.	Fuse Size	Dimensions	Weight
			208V	240V	480V	600V				
PSR3-600-70	100/ 240 V	3.4	.5	0.75	2	2	50 A	40 A J-Type	5.51" x 1.77" x 4.47" (140mm x 45mm x 113.5mm)	0.99 lbs. (0.45 kg)
PSR6-600-70	100/ 240 V	6.1	1	1.5	3	5	50 A	40 A J-Type	5.51" x 1.77" x 4.47" (140mm x 45mm x 113.5mm)	0.99 lbs. (0.45 kg)
PSR9-600-70	100/ 240 V	9	2	2	5	7.5	50 A	40 A J-Type	5.51" x 1.77" x 4.47" (140mm x 45mm x 113.5mm)	0.99 lbs. (0.45 kg)
PSR12-600-70	100/ 240 V	11	3	3	7.5	10	50 A	40 A J-Type	5.51" x 1.77" x 4.47" (140mm x 45mm x 113.5mm)	0.99 lbs. (0.45 kg)
PSR16-600-70	100/ 240 V	15.2	3	3	10	10	50 A	40 A J-Type	5.51" x 1.77" x 4.47" (140mm x 45mm x 113.5mm)	0.99 lbs. (0.45 kg)
PSR25-600-70	100/ 240 V	24.2	7.5	7.5	15	20	50 A	40 A J-Type	6.30" x 1.77" x 5.04" (160mm x 45mm x 128mm)	1.43 lbs. (0.65 kg)
PSR30-600-70	100/ 240 V	28	7.5	7.5	20	25	50 A	40 A J-Type	6.30" x 1.77" x 5.04" (160mm x 45mm x 128mm)	1.43 lbs. (0.65 kg)
PSR37-600-70	100/ 240 V	34	10	10	25	30	50 A	40 A J-Type	7.36" x 1.77" x 6.02" (187mm x 45mm x 153mm)	2.20 lbs. (1.00 kg)
PSR45-600-70	100/ 240 V	46.2	15	15	30	40	50 A	40 A J-Type	7.36" x 1.77" x 6.02" (187mm x 45mm x 153mm)	2.20 lbs. (1.00 kg)
PSR3-600-81	24 VDC	3.4	.5	.5	2	2	50 A	40 A J-Type	5.51" x 1.77" x 4.47" (140mm x 45mm x 113.5mm)	2.20 lbs. (1.00 kg)
PSR6-600-81	24 VDC	6.1	1	1	3	5	50 A	40 A J-Type	5.51" x 1.77" x 4.47" (140mm x 45mm x 113.5mm)	0.99 lbs. (0.45 kg)
PSR9-600-81	24 VDC	9	2	2	5	7.5	50 A	40 A J-Type	5.51" x 1.77" x 4.47" (140mm x 45mm x 113.5mm)	0.99 lbs. (0.45 kg)
PSR12-600-81	24 VDC	11	3	3	7.5	10	50 A	40 A J-Type	5.51" x 1.77" x 4.47" (140mm x 45mm x 113.5mm)	0.99 lbs. (0.45 kg)
PSR16-600-81	24 VDC	15.2	3	3	10	10	50 A	40 A J-Type	5.51" x 1.77" x 4.47" (140mm x 45mm x 113.5mm)	0.99 lbs. (0.45 kg)
PSR25-600-81	24 VDC	24.2	7.5	7.5	15	20	100 A	60 A J- Type	6.30" x 1.77" x 5.04" (160mm x 45mm x 128mm)	1.43 lbs. (0.65 kg)
PSR30-600-81	24 VDC	28	7.5	10	20	25	100 A	70 A J- Type	6.30" x 1.77" x 5.04" (160mm x 45mm x 128mm)	1.43 lbs. (0.65 kg)
PSR37-600-81	24 VDC	34	10	10	25	30	150 A	100 A J- Type	7.36" x 1.77" x 6.02" (187mm x 45mm x 153mm)	2.20 lbs. (1.00 kg)
PSR45-600-81	24 VDC	46.2	15	15	30	40	150 A	100 A J- Type	7.36" x 1.77" x 6.02" (187mm x 45mm x 153mm)	2.20 lbs. (1.00 kg)

ACCESSORIES

PSR-FAN

Cooling Fan for increased starting capacity (field-installable)

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MOTOR CONTROLS

NEW!

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001-901-382-6084 International | 888-397-5353 USA | kele.com

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January 2012

MOTOR CONTROLS

HONEYWELL ALL PURPOSE VARIABLE FREQUENCY DRIVES SMARTVFD HVAC



DESCRIPTION

SmartVFD HVAC drives are all-purpose, and can handle both constant-torque and variable-torque loads. The firmware includes special features that make start-up and commissioning of HVAC applications especially easy. Application-specific startup wizards for pumps and fans, combined with the simple and intuitive user interface, make the SmartVFD a pleasure rather than a chore. Integration is a snap with the SmartVFD. It includes both Ethernet and RS485 connections, and will talk BACnet, Modbus, and JCI N2. Take the complexity out of drive selection, installation, and startup - choose SmartVFD for your HVAC projects and start saving time, money, and manpower as well as energy.

FEATURES

- *Intuitive commissioning*
- *High resolution graphic interface*
- *User manual included in firmware*
- *Simple start-up wizard - pump or fan*
- *Fire mode*
- *2 PID controllers*
- *Start-up wizard*
- *Real-time clock*

SPECIFICATIONS

Supply Voltage	Model specific, 3 phase, 60 Hz, 380-480 VAC or 200-240 VAC
Motor Rating	0.75 to 250 Hp
Frequency Range	0-320 Hz
Acceleration Time	0.1 - 3000 seconds
Deceleration Time	0.1 - 3000 seconds
Digital Inputs	6 logical, 24 VDC= on, 0 VDC= off, all configurable
Analog Input	2; 0-10V or 4-20 mA voltage input impedance 200Ω k current impedance 250Ω
Digital Output	Open collector, max. load 48V/ 50 mA
Analog Output	1; 0-10 VDC or 4-20 mA programmable 500Ω maximum load
Relay Outputs	2; SPDT 8A at 24VDC or 250 VAC 0.4A at 125 VDC minimum load 10mA at 5 VAC/VDC
Filter Type	5% DC choke Class 2 GMC/ RFI
EMC	Complies with EN50082-1, -2 EN61800-3
Communication Protocol	
RS485	JCI N2, MODBUS, BACnet MS/TP
Ethernet	BACnet/ IP, Modbus/TCP
Operating Humidity	0 to 95% RH (non-condensing)
Operating Temperature	14° to 104°F (-10° to 40°C)
Approvals	UL Listed File E190898 CE RoHS
Eco Friendly	Yes
Warranty	3 years

NEW!

Honeywell



WIRING

Control I/O board			
Terminal	Signal	Default	
1	+10 Vref	Reference output	
2	AI1+	Analog input, voltage or current	Voltage
3	AI1+	Analog input common (current)	
4	AI2+	Analog input, voltage or current	Current
5	AI2-	Analog input common (current)	
6	24 Vout	24 VDC auxiliary source, 250 mA	
7	GND	I/O ground	
8	DI1	Digital input 1	Start FWD
9	DI2	Digital input 2	
10	DI3	Digital input 3	Fault
11	CM	Common for DI1-DI6	
12	24 Vout	24 VDC auxiliary source, 250 mA	
13	GND	I/O ground	
14	DI4	Digital input 4	Preset freq select 1
15	DI5	Digital input 5	Preset freq select 2
16	DI6	Digital input 6	Fault reset
17	CM	Common for DI1-DI6	
18	AO1+	Analog signal (+output)	Operating frequency
19	AO-/GND	Analog output common	
21	Normally closed	Relay 1	
22	Common	Relay 1	
23	Normally open	Relay 1	
24	Normally closed	Relay 2	
25	Common	Relay 2	
26	Normally open	Relay 2	
30	+24 Vin	24 VDC from external source for control unit power backup	
A	RS485	Differential receiver/transmitter	
B	RS485	Differential receiver/transmitter	

Reference potentiometer
1 ... 10 kΩ

Remote reference
4-20 mA / 0-10 VDC
(programmable)

mA

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MOTOR CONTROLS

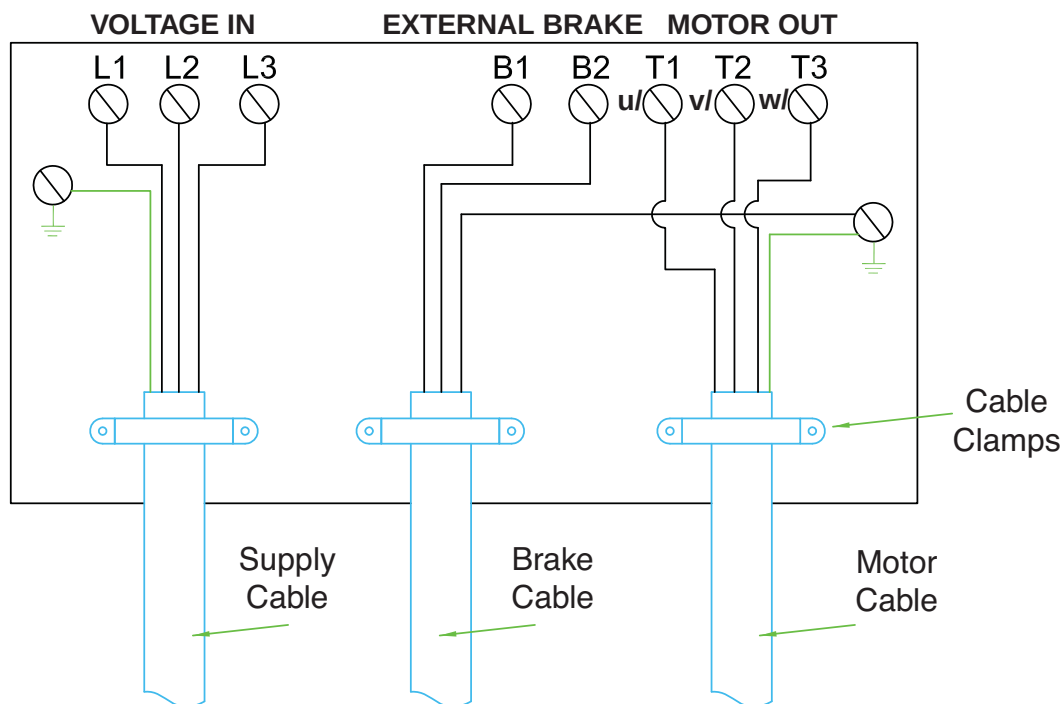
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MOTOR CONTROLS

HONEYWELL ALL PURPOSE VARIABLE FREQUENCY DRIVES SMARTVFD HVAC

POWER / WIRING CONNECTION



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DIMENSIONS AND WEIGHTS

Frame	208/ 230 VAC	460 VAC	Enclosure NEMA type	Width in. (cm)	Height in. (cm)	Depth in. (cm)	Weight lb (kg)
4	0.75-4 HP	1.5-7.5 HP	1	5 (12.7)	12.9 (32.77)	7.5 (19.05)	13.0 (5.9)
4	0.75-4 HP	1.5-7.5 HP	12	5 (12.7)	12.9 (32.77)	7.5 (19.05)	13.0 (5.9)
4	0.75-4 HP	1.5-7.5 HP	3	20.5 (52.07)	20 (50.8)	10 (25.4)	13.0 (5.9)
5	5-10 Hp	10-20 Hp	1	5.7 (14.48)	16.5 (41.91)	8.4 (21.34)	22.0 (10.0)
5	5-10 Hp	10-20 Hp	12	5.7 (14.48)	16.5 (41.91)	8.4 (21.34)	22.0 (10.0)
5	5-10 Hp	10-20 Hp	3	20.5 (52.07)	24 (60.96)	10 (25.4)	22.0 (10.0)
6	15-20 Hp	25-40 Hp	1	7.7 (19.56)	21.9 (55.63)	9 (22.86)	44.0 (20.0)
6	15-20 Hp	25-40 Hp	12	7.7 (19.56)	21.9 (55.63)	9 (22.86)	44.0 (20.0)
6	15-20 Hp	25-40 Hp	3	28.5 (72.39)	36 (88.9)	10 (25.4)	44.0 (20.0)
7	25-40 Hp	50-75 Hp	1	9.3 (23.62)	25.4 (64.51)	10.2 (25.91)	83.0 (37.7)
7	25-40 Hp	50-75 Hp	12	9.3 (23.62)	25.4 (64.51)	10.2 (25.91)	83.0 (37.7)
7	25-40 Hp	50-75 Hp	3	28.8 (73.15)	48 (121.92)	12 (30.48)	83.0 (37.7)
8	50-75 Hp	100-150 Hp	1	11.4 (28.96)	38 (96.52)	13.5 (34.29)	154.0 (70.0)
8	50-75 Hp	100-150 Hp	12	11.4 (28.96)	38 (96.52)	13.5 (34.29)	154.0 (70.0)
8	50-75 Hp	100-150 Hp	3	11.4 (28.96)	38 (96.52)	13.5 (34.29)	154.0 (70.0)
9	100-125 Hp	200-250 Hp	1	18.9 (48.00)	45.3 (115.06)	14.4 (36.58)	238.0 (108.2)
9	100-125 Hp	200-250 Hp	12	18.9 (48.00)	45.3 (115.06)	14.4 (36.58)	238.0 (108.2)

MOTOR CONTROLS

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ORDERING INFORMATION

HP	Amps	Frame	NEMA 1	NEMA 12	NEMA3R
460 VAC					
1.5	3.4	4	HVFDSD3C0015G100	HVFDSD3C0015G200	HVFDSD3C0015G300
2	4.8	4	HVFDSD3C0020G100	HVFDSD3C0020G200	HVFDSD3C0020G300
3	5.6	4	HVFDSD3C0030G100	HVFDSD3C0030G200	HVFDSD3C0030G300
4	8	4	HVFDSD3C0040G100	HVFDSD3C0040G200	HVFDSD3C0040G300
5	9.6	4	HVFDSD3C0050G100	HVFDSD3C0050G200	HVFDSD3C0050G300
7.5	12	4	HVFDSD3C0075G100	HVFDSD3C0075G200	HVFDSD3C0075G300
10	16	5	HVFDSD3C0100G100	HVFDSD3C0100G200	HVFDSD3C0100G300
15	23	5	HVFDSD3C0150G100	HVFDSD3C0150G200	HVFDSD3C0150G300
20	31	5	HVFDSD3C0200G100	HVFDSD3C0200G200	HVFDSD3C0200G300
25	38	6	HVFDSD3C0250G100	HVFDSD3C0250G200	HVFDSD3C0250G300
30	46	6	HVFDSD3C0300G100	HVFDSD3C0300G200	HVFDSD3C0300G300
40	61	6	HVFDSD3C0400G100	HVFDSD3C0400G200	HVFDSD3C0400G300
50	72	7	HVFDSD3C0500G100	HVFDSD3C0500G200	HVFDSD3C0500G300
60	87	7	HVFDSD3C0600G100	HVFDSD3C0600G200	HVFDSD3C0600G300
75	105	7	HVFDSD3C0750G100	HVFDSD3C0750G200	HVFDSD3C0750G300
100	140	8	HVFDSD3C1000G100	HVFDSD3C1000G200	HVFDSD3C1000G300
125	170	8	HVFDSD3C1250G100	HVFDSD3C1250G200	HVFDSD3C1250G300
150	205	8	HVFDSD3C1500G100	HVFDSD3C1500G200	HVFDSD3C1500G300
200	261	9	HVFDSD3C2000G100	HVFDSD3C2000G200	-
250	310	9	HVFDSD3C2500G100	HVFDSD3C2500G200	-
208/ 230 VAC					
0.75	3.7	4	HVFDSD3A0007G100	HVFDSD3A0007G200	HVFDSD3A0007G300
1	4.8	4	HVFDSD3A0010G100	HVFDSD3A0010G200	HVFDSD3A0010G300
1.5	6.6	4	HVFDSD3A0015G100	HVFDSD3A0015G200	HVFDSD3A0015G300
2	8	4	HVFDSD3A0020G100	HVFDSD3A0020G200	HVFDSD3A0020G300
3	11	4	HVFDSD3A0030G100	HVFDSD3A0030G200	HVFDSD3A0030G300
5	18	5	HVFDSD3A0050G100	HVFDSD3A0050G200	HVFDSD3A0050G300
7.5	24	5	HVFDSD3A0075G100	HVFDSD3A0075G200	HVFDSD3A0075G300
10	31	5	HVFDSD3A0100G100	HVFDSD3A0100G200	HVFDSD3A0100G300
15	48	6	HVFDSD3A0150G100	HVFDSD3A0150G200	HVFDSD3A0150G300
20	62	6	HVFDSD3A0200G100	HVFDSD3A0200G200	HVFDSD3A0200G300
25	75	7	HVFDSD3A0250G100	HVFDSD3A0250G200	HVFDSD3A0250G300
30	88	7	HVFDSD3A0300G100	HVFDSD3A0300G200	HVFDSD3A0300G300
40	105	7	HVFDSD3A0400G100	HVFDSD3A0400G200	HVFDSD3A0400G300
50	140	8	HVFDSD3A0500G100	HVFDSD3A0500G200	HVFDSD3A0500G300
60	170	8	HVFDSD3A0600G100	HVFDSD3A0600G200	HVFDSD3A0600G300
75	205	8	HVFDSD3A0750G100	HVFDSD3A0750G200	HVFDSD3A0750G300
100	261	9	HVFDSD3A1000G100	HVFDSD3A1000G200	-
125	310	9	HVFDSD3A1250G100	HVFDSD3A1250G200	-

ACCESSORIES

32006630-001 LON COMMUNICATION CARD
HVFD3CABLE COMMISSIONING CABLE AND USB ADAPTOR



MOTOR CONTROLS

HONEYWELL VARIABLE FREQUENCY DRIVE WITH BYPASS SMARTVFD HVAC WITH BYPASS ASSEMBLY

DESCRIPTION

Honeywell's integral bypass and disconnect system make applying the SmartVFD drive a snap. Available with a simple fused disconnect switch, a 2-contactor bypass assembly, or a 3-contactor bypass assembly, it simplifies installation. All the features of the SmartVFD are included -- a wide array of configurable inputs and outputs, and all the most popular network protocols, and the super easy startup wizards that speed commissioning. All drives feature Hand-Off-Auto operation as a fully integrated keypad function. Make the SmartVFD choice for your variable speed drive needs.

FEATURES

- **Disconnect, 2-, or 3-contactor bypass**
- **Fused disconnect**
- **Auto bypass available**
- **Available in NEMA 1, 12, or 3R enclosure types**
- **Compact size**
- **SmartVFD wizard for pump or fan control**
- **Intuitive commissioning**
- **High resolution graphic interface**
- **User manual built in to firmware**

NEW!



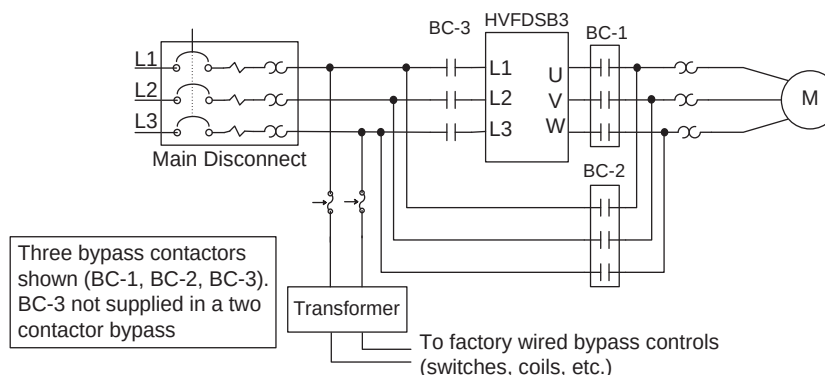
Honeywell



SPECIFICATIONS

Supply Voltage	208 VAC, 3 phase, 60 Hz 230 VAC, 3 phase, 60 Hz 480 VAC, 3 phase, 60Hz	Relay Outputs	2 each SPDT 8A at 24 VDC or 250 VAC 0.4A at 125 VDC Minimum load 10Ma at 5 VAC/VDC
Motor Rating	1.0 to 250 Hp	Filter Type	5% DC choke , and class 2 GMC/RFI
Frequency Range	0 - 320 Hz	EMC	Complies with EN50082-1, -2
Acceleration Time	0.1 - 3000 seconds	Communication Protocol	
Deceleration Time	0.1 - 3000 seconds	RS485	BACnet MS/TP, N2, Modbus
Digital Inputs	6 factory preset	Ethernet	BACnet/ IP, Modbus/TCP
Analog Input	2; 0-10V or 4-20 mA programmable	Operating Humidity	0 to 95% RH (non-condensing)
Digital Output	Open collector, max. load 48V / 50 mA	Operating Temperature	14° to 104° (-10° to 40°)
Analog Output	1; 4-20 mA	Approvals	UL Listed File #E190898 cUL CE RoHS
		Eco Friendly	Yes
		Warranty	3 years

WIRING



Note: Typical wiring shown. Refer to product installation manual for electrical wiring connections and requirements.

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MOTOR CONTROLS



HONEYWELL VARIABLE FREQUENCY DRIVE WITH BYPASS SMARTVFD HVAC WITH BYPASS ASSEMBLY

DIMENSIONS - IN (CM)												
Frame Size	Horsepower and Voltage		Configuration	NEMA 1			NEMA 12			NEMA 3 R		
	208/ 230 VAC	460 VAC		Width	Height	Depth	Width	Height	Depth	Width	Height	Depth
4	0.75-4 Hp	1.5-7.5 Hp	Disconnect	8.9 (21.8)	8.9 (31.7)	10.7 (26.2)	12.0 (29.4)	36.0 (88.2)	8.8 (21.6)	20.5 (50.2)	20.0 (49.0)	10.0 (24.5)
			2-Contactor	8.9 (21.8)	8.9 (31.7)	10.7 (26.2)	16.0 (39.2)	36.0 (88.2)	8.8 (21.6)	24.5 (60.0)	24.0 (58.8)	10.0 (24.5)
			3-Contactor	8.9 (21.8)	8.9 (38.7)	10.7 (26.2)	16.0 (39.2)	36.0 (88.2)	8.8 (21.6)	24.5 (60.0)	24.0 (58.8)	10.0 (24.5)
			3-Contactor w/ Auto- Bypass	8.9 (21.8)	8.9 (16.5)	10.7 (26.2)	16.0 (39.2)	36.0 (88.2)	8.8 (21.6)	24.5 (60.0)	24.0 (58.8)	10.0 (24.5)
5	5-10Hp	10-20 Hp	Disconnect	8.9 (21.8)	34.5 (84.5)	10.7 (26.2)	12.0 (29.4)	40.0 (98)	8.8 (21.6)	24.5 (60.0)	24.0 (58.8)	10.0 (24.5)
			2-Contactor	8.9 (21.8)	34.5 (84.5)	10.7 (26.2)	16.0 (39.2)	44.0 (107.8)	8.8 (21.6)	28.5 (69.8)	30.0 (73.5)	10.0 (24.5)
			3-Contactor	8.9 (21.8)	41.5 (101.7)	10.7 (26.2)	16.0 (39.2)	44.0 (107.8)	8.8 (21.6)	28.5 (69.8)	30.0 (73.5)	10.0 (24.5)
			3-Contactor w/ Auto- Bypass	8.9 (21.8)	41.5 (101.7)	10.7 (26.2)	16.0 (39.2)	44.0 (107.8)	8.8 (21.6)	28.5 (69.8)	30.0 (73.5)	10.0 (24.5)
6	15-20Hp	25-40 Hp	Disconnect	12.4 (30.4)	45.0 (110.3)	12.6 (30.9)	16.0 (39.2)	46.0 (112.7)	10.8 (26.5)	28.5 (69.8)	36.0 (88.2)	10.0 (24.5)
			2-Contactor	12.4 (30.4)	45.0 (110.3)	12.6 (30.9)	20.0 (49.0)	54.0 (132.3)	10.8 (26.5)	34.5 (84.5)	36.0 (88.2)	10.0 (24.5)
			3-Contactor	12.4 (30.4)	55.0 (134.8)	12.6 (30.9)	20.0 (49.0)	54.0 (132.3)	10.8 (26.5)	34.5 (84.5)	36.0 (88.2)	10.0 (24.5)
			3-Contactor w/ Auto- Bypass	12.4 (30.4)	55.0 (134.8)	12.6 (30.9)	20.0 (49.0)	54.0 (132.3)	10.8 (26.5)	34.5 (84.5)	36.0 (88.2)	10.0 (24.5)
7	25-40Hp	50-75 Hp	Disconnect	20.84 (51.1)	51.5 (126.2)	11.4 (27.9)	16.0 (39.2)	50.0 (122.5)	11.8 (28.9)	28.5 (69.8)	48.0 (117.6)	12.0 (29.4)
			2-Contactor	20.84 (51.1)	51.5 (126.2)	11.4 (27.9)	24.0 (58.8)	64.0 (156.8)	13.6 (33.3)	40.4 (98.9)	48.0 (117.6)	12.0 (29.4)
			3-Contactor	20.84 (51.1)	59.0 (144.6)	11.4 (27.9)	24.0 (58.8)	64.0 (156.8)	13.6 (33.3)	40.4 (98.9)	48.0 (117.6)	12.0 (29.4)
			3-Contactor w/ Auto- Bypass	20.84 (51.1)	59.0 (144.6)	11.4 (27.9)	24.0 (58.8)	64.0 (156.8)	13.6 (33.3)	40.4 (98.9)	48.0 (117.6)	12.0 (29.4)
8	50-75 Hp	100-150 Hp	Disconnect	25.0 (61.3)	60.0 (147.0)	16.2 (39.7)	20.0 (49.0)	64.0 (156.8)	15.1 (36.9)	40.4 (98.9)	48.0 (117.6)	12.0 (29.4)
			2-Contactor	25.0 (61.3)	60.0 (147.0)	16.2 (39.7)	56.0 (137.2)	48.0 (117.6)	15.1 (36.9)	40.4 (98.9)	60.0 (147.0)	12.0 (29.4)
			3-Contactor	25.0 (61.3)	70.0 (171.5)	16.2 (39.7)	56.0 (137.2)	48.0 (117.6)	15.1 (36.9)	40.4 (98.9)	60.0 (147.0)	12.0 (29.4)
			3-Contactor w/ Auto- Bypass	25.0 (61.3)	70.0 (171.5)	16.2 (39.7)	56.0 (137.2)	48.0 (117.6)	15.1 (36.9)	40.4 (98.9)	60.0 (147.0)	12.0 (29.4)

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MOTOR CONTROLS

NEW!



MOTOR CONTROLS

HONEYWELL VARIABLE FREQUENCY DRIVE WITH BYPASS SMARTVFD HVAC WITH BYPASS ASSEMBLY

ORDERING INFORMATION

HVFDSB3		Honeywell SmartVFD HVAC	
		A	208 VAC - up to 75 Hp
		B	230 VAC - up to 75 Hp
		C	480 VAC - up to 150 Hp
		Motor Horsepower	
		0007	.75 Hp 208, 230 & 480 VAC
		0010	1 Hp 208, 230 & 480 VAC
		0015	1.5 Hp 208, 230 & 480 VAC
		0020	2 Hp 208, 230 & 480 VAC
		0030	3 Hp 208, 230 & 480 VAC
		0040	4 Hp 208, 230 & 480 VAC
		0050	5 Hp 208, 230 & 480 VAC
		0075	7.5 Hp 208, 230 & 480 VAC
		0100	10 Hp 208, 230 & 480 VAC
		0150	15 Hp 208, 230 & 480 VAC
		0200	20 Hp 208, 230 & 480 VAC
		0250	25 Hp 208, 230 & 480 VAC
		0300	30 Hp 208, 230 & 480 VAC
		0400	40 Hp 208, 230 & 480 VAC
		0500	50 Hp 208, 230 & 480 VAC
		0600	60 Hp 208, 230 & 480 VAC
		0750	75 Hp 208, 230 & 480 VAC
		1000	100 Hp 480 VAC
		1250	125 Hp 480 VAC
		1500	150 Hp 480 VAC
		User Interface	
		G	Graphic User Interface
		Enclosure	
		1	NEMA 1
		2	NEMA 12
		3	NEMA 3R
		Options	
		10	Disconnect only
		20	Drive with 2 contractor BYPASS
		30	Drive with 3 contractor BYPASS
		31	Drive with 3 contractor BYPASS, w/ Fused disconnect and Auto-bypass
HVFDSB3		C	0400
		G	1
			30
Example: HVDSB3C0400G130 480 VAC, 40 Hp, Smart VFD NEMA 1 with graphic keypad display, 3 contractor bypass			

32006630-001
HVDCABLE

ACCESSORIES
LON COMMUNICATION CARD
COMMISSIONING CABLE AND USB ADAPTOR

PAGE
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MOTOR CONTROLS

NEW!

MOTOR CONTROLS

HONEYWELL COMPACT VARIABLE FREQUENCY DRIVE SMARTDRIVE COMPACT VFD



DESCRIPTION

This compact VFD is a true micro drive, which saves space in the equipment cabinet and makes installation easy. The SmartDrive architecture allows for ease and speed in drive configuration. The intuitive user interface makes commissioning a breeze. The SmartDrive Compact VFD provides a standard PI Controller. Choose options to fit any application. Interface type, filter, enclosure, inputs, and outputs are available in a wide array of combinations.

FEATURES

- *Small, compact micro drive design*
- *PI controller standard*
- *No main power supply required for programming*
- *Intuitive user interface*
- *DIN rail or screw mounting*
- *Flexible options include inputs, outputs, field bus, and filtering*
- *Application interface "touch wheel" makes programming easy*

NEW!



SPECIFICATIONS

Supply Voltage	208 to 230 VAC, 1 phase input - 3 phase output 460 to 480 VAC, 3 phase input/output
Motor Rating	0.25 - 7.5 hp
Acceleration Time	0.1 - 3000 seconds
Deceleration Time	0.1 - 3000 seconds
Frequency Range	30 - 320 Hz
Digital Switch Inputs	
Full	6; 0 - 30 VDC programmable
Limited	3; 0 - 30 VDC programmable
Analog Inputs	
Full	2; (1) 0-10 VDC, (1) 0-20mA or 4-20mA
Limited	1; 0-10 VDC or 0-20mA or 4-20mA
Digital Outputs	
Full	1 Open Collector, max. load 48V/ 50mA
Analog Output	
Full	1; 0-20mA or 4-20mA, RL=500Ω
Relay Outputs	
Full	2; (1) SPST N.O. (1) SPDT 250 VAC/2A, 250VDC/0.4A
Limited	1
Filter Type	RFI
Communication Protocol	RS485 (Modbus protocol), Serial
Operating Humidity	0 to 90% RH (non-condensing)
Operating Temperature	14° to 122°F (-10° to 50°C)
Frame Size	MI1, MI2, MI3
Dimensions	Frame sizes
MI1	6.1" H x 2.6 W x 3.9" D
MI2	7.7" H x 3.5" W x 4.0" D
MI3	10.3" D x 3.9" W x 4.3" D
Weights	
MI1	1.20 lbs. (0.55 kg)
MI2	1.50 lbs. (0.65 kg)
MI3	2.18 lbs. (0.99 kg)
Approvals	CE, UL, cUL FILE #E190898
Warranty	3 years

CONTROL I/O

API FULL			
Terminal	Signal	Default	
1	+10Vre	Ref. voltage out	
2	AI1	Analog signal in 1	Freq. reference ^{P)}
3	GND	I/O signal ground	
6	24Vout	24V output for DI's	
7	GND	I/O signal ground	
8	DI1	Digital input 1	Start forward ^{P)}
9	DI2	Digital input 2	Start reverse ^{P)}
10	DI3	Digital input 3	Preset speed B0 ^{P)}
A	A	RS485 signal A	FB Communication
B	B	RS485 signal B	FB Communication
4	AI2	Analog signal in 2	PI actual value ^{P)}
5	GND	I/O signal ground	
13	GND	I/O signal ground	
14	DI4	Digital input 4	Preset speed B1 ^{P)}
15	DI5	Digital input 5	Fault reset ^{P)}
16	DI6	Digital input 6	Disable PI contr. ^{P)}
18	AO		Output frequency ^{P)}
20	DO	Digital signal out	Active = READY ^{P)}
22	RO 11	Relay out 1	Active = RUN ^{P)}
23	RO 12		
24	RO 21	Relay out 2	Active = FAULT ^{P)}
25	RO 22		
26	RO 23		

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MOTOR CONTROLS

NEW!



MOTOR CONTROLS

HONEYWELL COMPACT VARIABLE FREQUENCY DRIVE SMARTDRIVE COMPACT VFD

ORDERING INFORMATION

Full IO Model	Limited IO Model	Supply Voltage	Current Rating	Horsepower	EMC	Frame Size
HVFDCD1B0003F00	HVFDCD1B0003L00	208 to 230 VAC, 1 phase input - 3 phase output	1.7A	0.25	NO	MI1
HVFDCD1B0003F01	HVFDCD1B0003L01	208 to 230 VAC, 1 phase input - 3 phase output	1.7A	0.25	YES	MI1
HVFDCD1B0005F00	HVFDCD1B0005L00	208 to 230 VAC, 1 phase input - 3 phase output	2.4A	0.5	NO	MI1
HVFDCD1B0005F01	HVFDCD1B0005L01	208 to 230 VAC, 1 phase input - 3 phase output	2.4A	0.5	YES	MI1
HVFDCD1B0007F00	HVFDCD1B0007L00	208 to 230 VAC, 1 phase input - 3 phase output	2.8A	0.75	NO	MI1
HVFDCD1B0007F01	HVFDCD1B0007L01	208 to 230 VAC, 1 phase input - 3 phase output	2.8A	0.75	YES	MI1
HVFDCD1B0010F00	HVFDCD1B0010L00	208 to 230 VAC, 1 phase input - 3 phase output	3.7A	1	NO	MI1
HVFDCD1B0010F01	HVFDCD1B0010L01	208 to 230 VAC, 1 phase input - 3 phase output	3.7A	1	YES	MI1
HVFDCD1B0015F00	HVFDCD1B0015L00	208 to 230 VAC, 1 phase input - 3 phase output	4.8A	1.5	NO	MI2
HVFDCD1B0015F01	HVFDCD1B0015L01	208 to 230 VAC, 1 phase input - 3 phase output	4.8A	1.5	YES	MI2
HVFDCD1B0020F00	HVFDCD1B0020L00	208 to 230 VAC, 1 phase input - 3 phase output	7.0A	2	NO	MI2
HVFDCD1B0020F01	HVFDCD1B0020L01	208 to 230 VAC, 1 phase input - 3 phase output	7.0A	2	YES	MI2
HVFDCD1B0030F00	HVFDCD1B0030L00	208 to 230 VAC, 1 phase input - 3 phase output	11.0A	3	NO	MI3
HVFDCD1B0030F01	HVFDCD1B0030L01	208 to 230 VAC, 1 phase input - 3 phase output	11.0A	3	YES	MI3
HVFDCD3C0005F00	HVFDCD3C0005L00	460 to 480 VAC, 3 phase input/ output	1.3A	0.5	NO	MI1
HVFDCD3C0005F01	HVFDCD3C0005L01	460 to 480 VAC, 3 phase input/ output	1.3A	0.5	YES	MI1
HVFDCD3C0007F00	HVFDCD3C0007L00	460 to 480 VAC, 3 phase input/ output	1.9A	0.75	NO	MI1
HVFDCD3C0007F01	HVFDCD3C0007L01	460 to 480 VAC, 3 phase input/ output	1.9A	0.75	YES	MI1
HVFDCD3C0010F00	HVFDCD3C0010L00	460 to 480 VAC, 3 phase input/ output	2.4A	1	NO	MI1
HVFDCD3C0010F01	HVFDCD3C0010L01	460 to 480 VAC, 3 phase input/ output	2.4A	1	YES	MI1
HVFDCD3C0015F00	HVFDCD3C0015L00	460 to 480 VAC, 3 phase input/ output	3.3A	1.5	NO	MI1
HVFDCD3C0015F01	HVFDCD3C0015L01	460 to 480 VAC, 3 phase input/ output	3.3A	1.5	YES	MI1
HVFDCD3C0020F00	HVFDCD3C0020L00	460 to 480 VAC, 3 phase input/ output	4.3A	2	NO	MI2
HVFDCD3C0020F01	HVFDCD3C0020L01	460 to 480 VAC, 3 phase input/ output	4.3A	2	YES	MI2
HVFDCD3C0030F00	HVFDCD3C0030L00	460 to 480 VAC, 3 phase input/ output	5.6A	3	NO	MI2
HVFDCD3C0030F01	HVFDCD3C0030L01	460 to 480 VAC, 3 phase input/ output	5.6A	3	YES	MI2
HVFDCD3C0040F00	HVFDCD3C0040L00	460 to 480 VAC, 3 phase input/ output	7.6A	4	NO	MI3
HVFDCD3C0040F01	HVFDCD3C0040L01	460 to 480 VAC, 3 phase input/ output	7.6A	4	YES	MI3
HVFDCD3C0050F00	HVFDCD3C0050L00	460 to 480 VAC, 3 phase input/ output	9.0A	5	NO	MI3
HVFDCD3C0050F01	HVFDCD3C0050L01	460 to 480 VAC, 3 phase input/ output	9.0A	5	YES	MI3
HVFDCD3C0075F00	HVFDCD3C0075L00	460 to 480 VAC, 3 phase input/ output	12.0A	7.5	NO	MI3
HVFDCD3C0075F01	HVFDCD3C0075L01	460 to 480 VAC, 3 phase input/ output	12.0A	7.5	YES	MI3

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MOTOR CONTROLS

NEW!

610

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January 2012

VARIABLE FREQUENCY DRIVES ALTIVAR 212 VARIABLE FREQUENCY DRIVES

DESCRIPTION

The **Altivar 212 VFD** is a basic chassis drive that can be mounted in a separate enclosure or fitted with a conduit kit for direct wall or machine mounting in a clean dry environment. This unique product offers un-matched value in terms of functions required in HVAC and pump applications, small size, network options, and low cost. The **Altivar 212 VFD** features a revolutionary technology that reduces power system harmonics without the need for an AC line reactor or DC bus choke.

FEATURES

- **1-100hp @ 460v, 1-40Hp @ 208/230V**
- **Keypad with simple LED display**
- **Standard communications include, BACnet, Metasys N2 or Apogee P1**
- **RHT (Reduced Harmonic Technology)**
- **NEMA Type-1 conduit kit for direct wall mounting option**
- **Remote keypad kit accessory**
- **Smoke purge**
- **Damper control**
- **Automatic restart configuration**
- **Auto-tuning**
- **Integrated PID regulator with preset references and automatic/manual mode**
- **Automatic ramp adaptation, ramp switching, and ramp profile**

NEW!



ATV212HD30M3X

Schneider
Electric



ATV212HD37N4



ATV212HD075M3X



ATV212HD22N4



ATV212HD11M3X



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MOTOR CONTROLS

NEW!

SPECIFICATIONS		
Supply Voltage	208 VAC $\pm 15\%$, 230 VAC $\pm 10\%$, 460 VAC $\pm 10\%$ Three phase	Communication Protocol
Current Rating	Limit 150% of nominal device full load amperage (FLA) for 60s	RS485 (Standard) Modbus™, BACnet®, Metasys® N2, Apogee® P1
Frequency	50 Hz -5% to 60 Hz +5%	Card (option) Lonworks®
Horsepower	1-100 Hp (model specific)	Communication Ports RJ45
Acceleration Time	0.1s to 999.9s (adjustable in 0.1s increments)	Display LED Keypad with self diagnostics with fault messages in three languages
Deceleration Time	0.1s to 999.9s (adjustable in 0.1s increments)	Operating Humidity 95% non condensing, IEC 60068-2-3
Altitude Limits	3300 ft (100m) maximum without derating	Operating Temperature 14° to 104°F (-10° to 40°C) without derating
Efficiency	Greater than 98% at full load	Storage Temperature 13° to 158°F (-25° to 70°C)
Analog Input	2; VIA 4 to 20mA or 0V to 10V, VIB 0V to 10V, 250 ohms	Enclosure Rating NEMA 1 when used with the Type 1 conduit kit
Inputs	3 multi-function programmable logic inputs	Approvals Pollution degree 2 per NEMA ICS-1 and IEC 60664-1 UL Listed per UL508C Class 10 and 20 Conforms to NEMA, IEC, NFPA, ISO9001, UL file # E116875
Analog Output	1; 4 to 20mA or 0V to 10V selectable, 970 ohms	Warranty 18 months
Outputs	1 fault relay 1 assignable SPST (N.O.) relay 2A @ 250VAC/ 30VDC	



MOTOR CONTROLS

VARIABLE FREQUENCY DRIVES

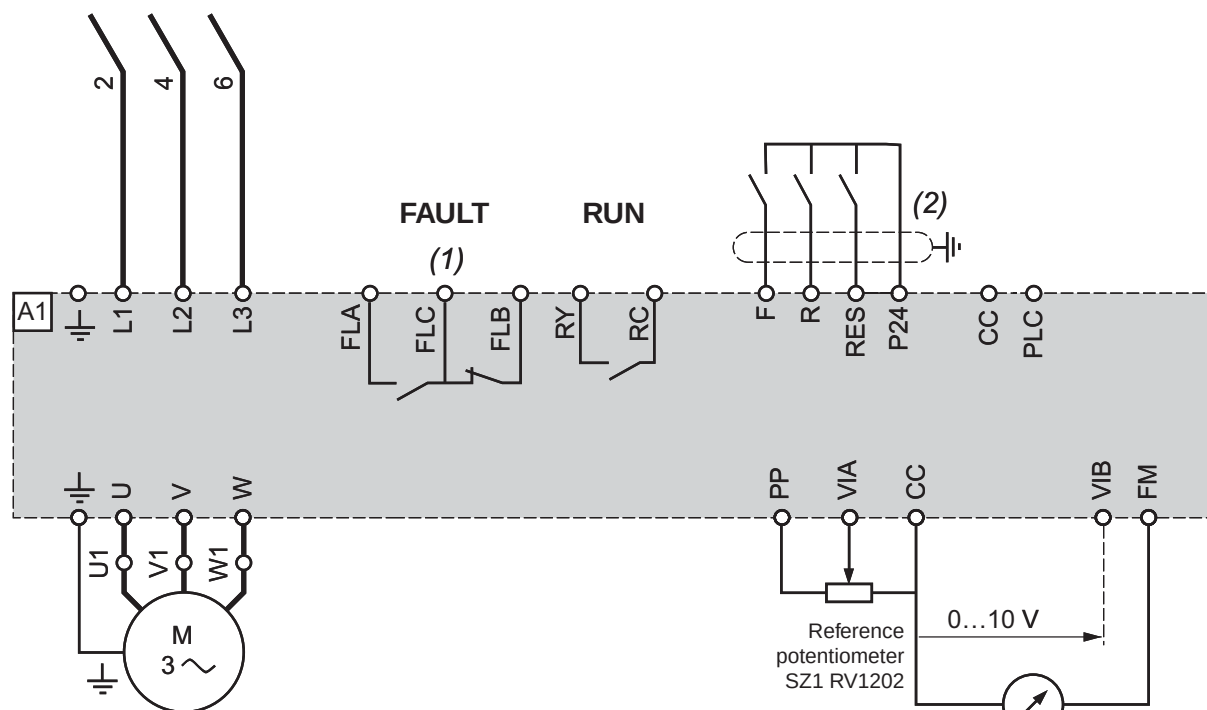
ALTIVAR 212 VARIABLE FREQUENCY DRIVES

DIMENSIONS

IP20 Open Style Drive UL Type 1 Dimensions and Weights

Frame Size	Width		Height		Depth		Weight		Height with Type 1 Conduit Kit		Weight with Type 1 Conduit Kit	
	mm	in.	mm	in.	mm	in.	kg.	lbs.	mm	in.	kg.	lbs.
1	105	4.13	143	5.63	150	5.91	1.2	2.65	194.5	7.66	2.1	4.65
2	140	5.51	184	7.24	150	5.91	2.4	5.29	236	9.29	3.53	7.79
3	180	7.09	232	9.13	170	6.69	4.7	10.36	311	12.24	6.05	13.36
4	245	9.65	329.5	12.97	190	7.48	7	15.44	401	15.79	7.23	15.94
5	240	9.45	420	16.54	213	8.39	9	19.85	480	18.89	10.59	23.35
6	240	9.45	550	21.65	244	9.61	38.1	84.01	610	24.01	39.92	88.01
7	320	12.6	630	24.8	289.9	11.41	55.4	122.16	833	32.8	57.68	127.16

WIRING



Note: For complete electrical wiring and installation instructions, refer to Manufacturer's Product Installation Manual.



VARIABLE FREQUENCY DRIVES ALTIVAR 212 VARIABLE FREQUENCY DRIVES

ORDERING INFORMATION

	Three-phase motor power		IP20 Open style product	IP20 Open style with Class B EMC filter	Type 1 Conduit Kit with Class 2 EMC Filter	Frame Size
	HP	kW	Model Number	Model Number	Kit Number	
200/240 VAC -15%, +10% Three-phase	1	0.75	ATV212H075M3X	ATV212H075M3XC	VW3A31814	1
	2	1.5	ATV212HU15M3X	ATV212HU15M3XC	VW3A31814	1
	3	2.2	ATV212HU22M3X	ATV212HU22M3XC	VW3A31814	1
	4	3	ATV212HU30M3X	ATV212HU30M3XC	VW3A31815	2
	5	4	ATV212HU40M3X	ATV212HU40M3XC	VW3A31815	2
	7.5	5.5	ATV212HU55M3X	ATV212HU55M3XC	VW3A31816	3
	10	7.5	ATV212HU75M3X	ATV212HU75M3XC	VW3A31816	3
	15	11	ATV212HD11M3X	ATV212HD11M3XC	VW3A31817	4
	20	15	ATV212HD15M3X	ATV212HD15M3XC	VW3A31817	4
	25	18.5	ATV212HD18M3X	ATV212HD18M3XC	VW3A31817	4
	30	22	ATV212HD22M3X	ATV212HD22M3XC	VW3A9206	5
	40	30	ATV212HD30M3X	ATV212HD30M3XC	VW3A9208	7
380/480 VAC -15%, +10% Three-phase	1	0.75	ATV212H075N4	ATV212H075N4C	VW3A31814	1
	2	1.5	ATV212HU15N4	ATV212HU15N4C	VW3A31814	1
	3	2.2	ATV212HU22N4	ATV212HU22N4C	VW3A31814	1
	4	3	ATV212HU30N4	ATV212HU30N4C	VW3A31815	2
	5	4	ATV212HU40N4	ATV212HU40N4C	VW3A31815	2
	7.5	5.5	ATV212HU55N4	ATV212HU55N4C	VW3A31815	2
	10	7.5	ATV212HU75N4	ATV212HU75N4C	VW3A31816	3
	15	11	ATV212HD11N4	ATV212HD11N4C	VW3A31816	3
	20	15	ATV212HD15N4	ATV212HD15N4C	VW3A31817	4
	25	18.5	ATV212HD18N4	ATV212HD18N4C	VW3A31817	4
	30	22	ATV212HD22N4	ATV212HD22N4C	VW3A9206	4
	40	30	ATV212HD30N4	ATV212HD30N4C	VW3A9206	5
	50	37	ATV212HD37N4	ATV212HD37N4C	VW3A9207	5
	60	45	ATV212HD45N4	ATV212HD45N4C	VW3A9207	6
	75	55	ATV212HD55N4	ATV212HD55N4C	VW3A9208	6
	100	75	ATV212HD75N4	ATV212HD75N4C	VW3A9208	7

Application Notes:

- These horsepower, kW and continuous ampere ratings apply to default switching frequency and maximum 40° C ambient.
- Refer to the installation manual for derating curves as a function of switching frequency, ambient temperature and mounting conditions.
- IP20 Altivar 212 drives can be installed as UL Type 1 with the optional conduit box when following instruction in the Installation Manual. Includes Class 2 EMC filter.

ACCESSORIES

TCSMCNAM3M002P
VW3A2104

USB to RJ45 Adaptor kit
PCsoft Test and Commissioning Software
(No charge download from the internet www.schneider-electric.com)

VW3A1101
VW3A1104R10
VW3A1104R30
VW3A1104R50
VW3A1104R100
VW3A21212
VW3A31852
VW3A8121
SZ1RV1202

Remote LCD Display Keypad
Remote LCD Keypad Mounting Cable 3.3 ft (1 m) with two RJ45 connectors.
Remote LCD Keypad Mounting Cable 9.8 ft (3 m) with two RJ45 connectors.
Remote LCD Keypad Mounting Cable 16.5 ft (5 m) with two RJ45 connectors.
Remote LCD Keypad Mounting Cable 33.8 ft (10 m) with two RJ45 connectors.
LonWorks communication card
DIN Rail mounting kit- 35 mm wide DIN rail
Multi-loader device for copying configurations between drives and software
Speed Reference Potentiometer

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MOTOR CONTROLS

NEW!



MOTOR CONTROLS

ENCLOSED VARIABLE FREQUENCY DRIVES WITH BYPASS *S-FLEX ENCLOSED DRIVES*

DESCRIPTION

The **S-Flex** variable frequency drive is a fully enclosed package that combines the Altivar 212 with a circuit breaker disconnect, optional bypass circuit and many other features required in the new construction market. This product is fully enclosed in the **S-Flex** package to prevent EMI and RFI from radiating into the environment and interfering with telephone and control signals.

FEATURES

- **Square D Altivar 212 Variable Frequency Drive**
- **Standard Circuit Breaker disconnect (Fused disconnect for 460V 75 or 100 Hp)**
- **Reduced harmonic technology- eliminates the need for line reactors and DC chokes**
- **Preprogrammed for pump and fan applications**
- **Windows-based software**
- **Dedicated terminal blocks**
- **Slender design**
- **Internal PID regulator**

NEW!

Schneider
Electric



(Shown with optional
LCD graphic display)



SPECIFICATIONS

Supply Voltage	208 VAC $\pm 10\%$, 230 VAC $\pm 10\%$, 460 VAC $\pm 10\%$, 3 Phase	Overload Protection	Class 10 and Class 20 overload protection with bypass in addition to controller internal electronic thermal protection
Current Rating	Limit 150% of nominal device full load amperage (FLA) for 60s	Communication Protocol RS485 (Standard)	Modbus™, BACnet®, Metasys® N2, Apogee® P1
Frequency	60 Hz $\pm 5\%$	Cards (option)	Lonworks®
Horsepower	1-100 Hp (model specific)	Communication Ports	RJ45
Acceleration Time	0.1s to 999.9s (adjustable in 0.1s increments)	Display	LED/ Keypad or LCD Graphic (optional)
Deceleration Time	0.1s to 999.9s (adjustable in 0.1s increments)	Operating Humidity	95% with no condensation or dripping water
Altitude Limits	3300 ft (100m) maximum without derating	Operating Temperature	14° to 140°F (-10° to 40°C)
Efficiency	Greater than 95%	Enclosure Rating	NEMA 1
Analog Input	2; VIA 4 to 20mA or 0V to 10V, VIB 0V to 10V	Approvals	Pollution degree 2 per NEMA ICS-1 and IEC 60664-1 UL Listed per UL508C Class 10 and 20 Conforms to NEMA, IEC, NFPA, ISO9001
Inputs	3 multi-function programmable logic inputs	Warranty	18 months
Analog Output	4 to 20 mA or 0-10V selectable 970 ohms		
Outputs	1 fault relay, 1 assignable SPST (N.O.) relay		

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MOTOR CONTROLS

NEW!

614

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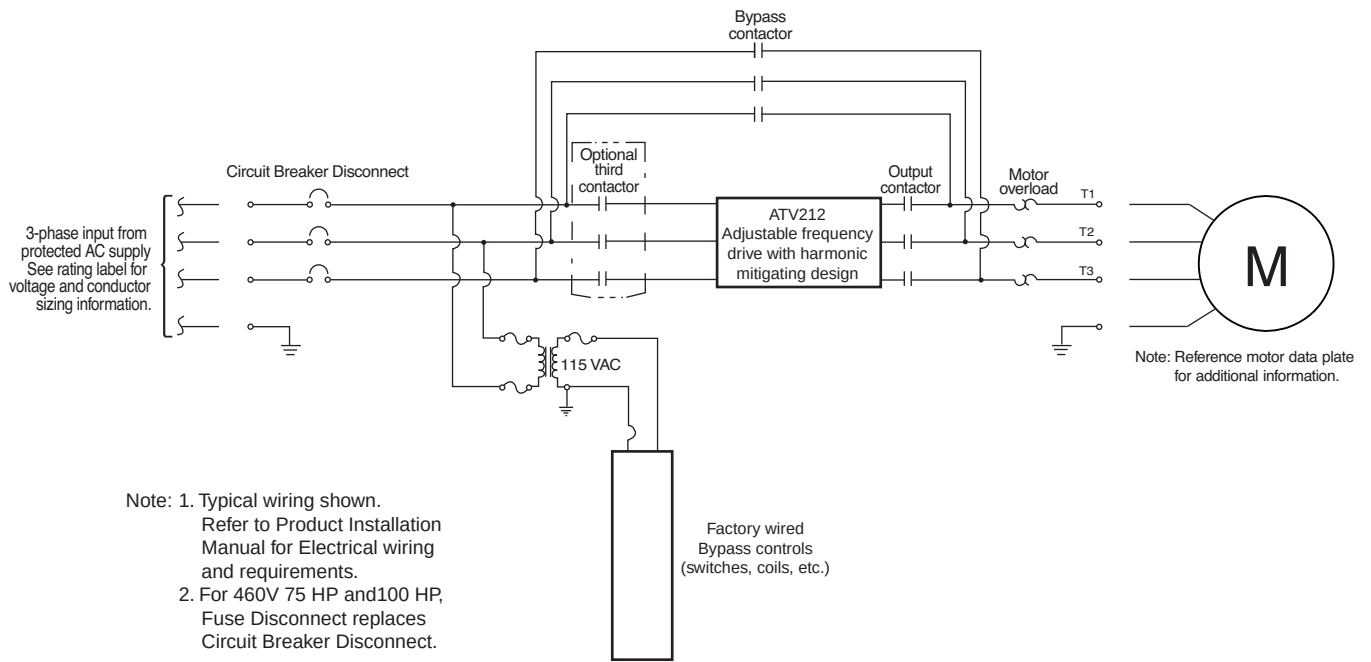
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January 2012

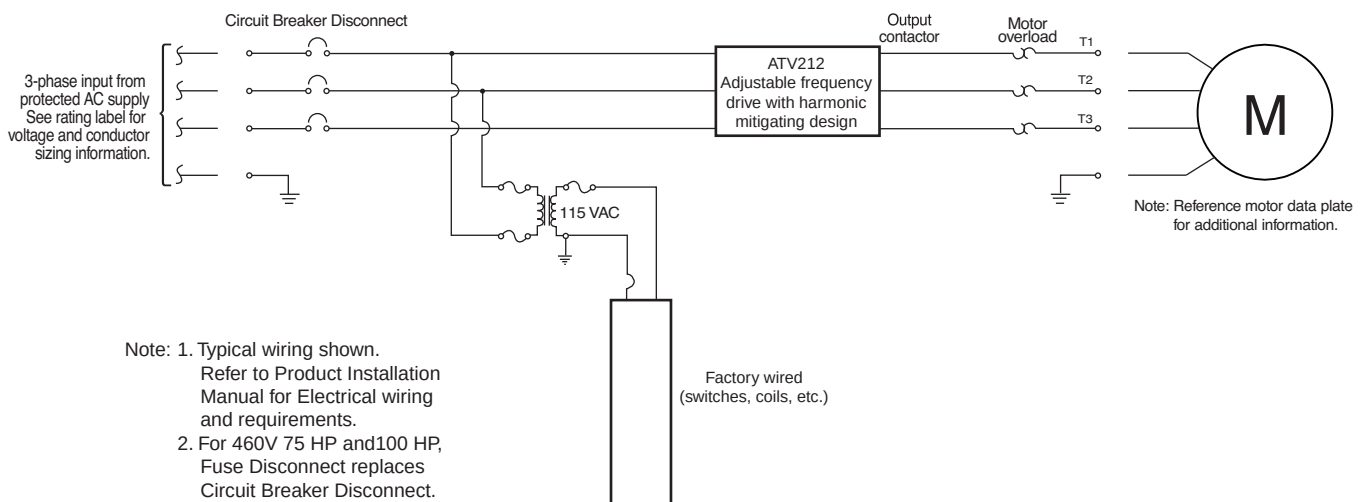
ENCLOSED VARIABLE FREQUENCY DRIVES WITH BYPASS S-FLEX ENCLOSED DRIVES

WIRING

BYPASS



DISCONNECT ONLY





MOTOR CONTROLS

ENCLOSED VARIABLE FREQUENCY DRIVES WITH BYPASS

S-FLEX ENCLOSED DRIVES

ORDERING INFORMATION

Model Number	Voltage	Hp	FLA	Height		Width		Depth		Weight		
				in.	mm	in.	mm	in.	mm	lbs	kgs	
SFD212CG2Y	208 V	1	4.6	40.38	1025.50	8.71	221.30	7.90	200.50	52.00	23.59	
SFD212DG2		2	7.5	40.38	1025.50	8.71	221.30	7.90	200.50	52.00	23.59	
SFD212EG2		3	10.6	40.38	1025.50	8.71	221.30	7.90	200.50	52.00	23.59	
SFD212FG2		5	16.7	40.38	1025.50	8.71	221.30	7.90	200.50	52.00	23.59	
SFD212GG2		8	24.2	40.38	1025.50	8.71	221.30	7.90	200.50	52.00	23.59	
SFD212HG2		10	30.8	40.38	1025.50	8.71	221.30	7.90	200.50	52.00	23.59	
SFD212JG2		15	46.2	45.14	1146.60	12.22	310.30	8.73	221.60	111.00	50.35	
SFD212KG2		20	59.2	45.14	1146.60	12.22	310.30	8.73	221.60	111.00	50.35	
SFD212LG2		25	74.8	45.14	1146.60	12.22	310.30	8.73	221.60	111.00	50.35	
SFD212MG2		30	88.0	62.01	1575.00	12.53	318.30	10.92	277.30	140.00	63.50	
SFD212NG2		40	114.0	64.90	1648.50	15.24	387.50	11.92	302.70	206.00	93.44	
SFD212CG3	230 V	1	4.2	40.38	1025.50	8.71	221.30	7.90	200.50	52.00	23.59	
SFD212DG3		2	6.8	40.38	1025.50	8.71	221.30	7.90	200.50	52.00	23.59	
SFD212EG3		3	9.6	40.38	1025.50	8.71	221.30	7.90	200.50	52.00	23.59	
SFD212FG3		5	15.2	40.38	1025.50	8.71	221.30	7.90	200.50	52.00	23.59	
SFD212GG3		8	22.0	40.38	1025.50	8.71	221.30	7.90	200.50	52.00	23.59	
SFD212HG3		10	28.0	40.38	1025.50	8.71	221.30	7.90	200.50	52.00	23.59	
SFD212JG3		15	42.0	45.14	1146.60	12.22	310.30	8.73	221.60	111.00	50.35	
SFD212KG3		20	54.0	45.14	1146.60	12.22	310.30	8.73	221.60	111.00	50.35	
SFD212LG3		25	68.0	45.14	1146.60	12.22	310.30	8.73	221.60	111.00	50.35	
SFD212MG3		30	80.0	62.01	1575.00	12.53	318.30	10.92	277.30	140.00	63.50	
SFD212NG3		40	104.0	64.90	1648.50	15.24	387.20	11.92	302.70	206.00	93.44	
SFD212CG4	460 V	1	2.1	40.38	1025.50	8.71	221.30	7.90	200.50	52.00	23.59	
SFD212DG4		2	3.4	40.38	1025.50	8.71	221.30	7.90	200.50	52.00	23.59	
SFD212EG4		3	4.8	40.38	1025.50	8.71	221.30	7.90	200.50	52.00	23.59	
SFD212FG4		5	7.6	40.38	1025.50	8.71	221.30	7.90	200.50	52.00	23.59	
SFD212GG4		8	11.0	40.38	1025.50	8.71	221.30	7.90	200.50	52.00	23.59	
SFD212HG4		10	14.0	40.38	1025.50	8.71	221.30	7.90	200.50	52.00	23.59	
SFD212JG4		15	21.0	40.38	1025.50	8.71	221.30	7.90	200.50	52.00	23.59	
SFD212KG4		20	27.0	45.14	1146.60	12.22	310.30	8.73	221.60	111.00	50.35	
SFD212LG4		25	34.0	45.14	1146.60	12.22	310.30	8.73	221.60	111.00	50.35	
SFD212MG4		30	40.0	62.01	1575.00	12.53	318.30	10.92	277.30	140.00	63.50	
SFD212NG4		40	52.0	62.01	1575.00	12.53	318.30	10.92	277.30	140.00	63.50	
SFD212PG4		50	65.0	62.01	1575.00	12.53	318.30	10.92	277.30	140.00	63.50	
SFD212QG4		60	77.0	62.01	1575.00	12.53	318.30	10.92	277.30	140.00	63.50	
SFD212RG4		75	96.0	64.90	1648.50	15.24	387.20	11.92	302.70	206.00	93.44	
SFD212SG4		100	124.0	64.90	1648.50	15.24	387.20	11.92	302.70	206.00	93.44	
Disconnect selection (choose one)												
W		Disconnect only										
Y		Disconnect with 2- contactor bypass										
		Standard factory communication protocols- no selection required for Modbus, BACnet, JCI N2, Siemens P1										
B06		Lonworks communication card - optional factory installation										
		Factory Bypass disconnect (Y) options- select as required										
		A07		Drive Input Disconnect Switch								
		B07		3rd Line contactor bypass								
		Display options										
		-		LED display								
		D07		Factory-supplied LCD full text keypad								
SFD212GG3	Y	-	B07	D07	Example: SFD212GG3YB07D07 8 Hp 230V enclosed drive with 3							

ACCESSORIES

EZM72MC

TCSMCNAM3M002P

VW3A2104

VW3A8106

EZ Mounting channel, 72 in. length

USB to RJ45 Adaptor kit

PCsoft Test and Commissioning Software (No charge download from the internet www.schneider-electric.com)

PC cable [9.8 ft. (3m)] for use with Test and Commissioning software (VW3A2104)

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MOTOR CONTROLS

NEW!