



**FRIEDRICH**

1883

# PACKAGED TERMINAL AIR CONDITIONERS



THE EXPERTS IN ROOM AIR CONDITIONING



FRIEDRICH PTACs ARE  
RELIABLE AND ENERGY  
EFFICIENT FOR A LOWER COST  
OF OWNERSHIP.

You have to consider the big picture when buying PTACs, and that means your TOTAL COST of ownership. Friedrich delivers value to your bottom line with great pricing, long-term reliability and high energy efficiency.

And Friedrich is backed by an industry-leading 2-year parts and labor warranty; 5-yr. limited warranty.



## QUIET, YET POWERFUL AIR FLOW.

And outstanding efficiency.  
Designed for quiet operation  
with maximum comfort and  
dependable performance.



### Friedrich Engineered for quiet performance.

#### Improved air distribution for better comfort

Tangential blower wheel has nearly 5x the surface area of a typical fan used on other PTACS. The result is more uniform airflow over a wider path for faster, more even air distribution throughout the room and improved sound levels.

Air is blown over the entire length of the tangential wheel into the room in a uniform laminar airflow.

#### Ultra quiet, two motor design

With separate indoor and outdoor motors, the indoor motor can run at slower speeds which reduces sound levels indoors.

Friedrich has  
a one-tier  
model line up,  
so you'll find  
more premium  
features offered  
as standard on  
each and every  
Friedrich PTAC.



PTAC  
*Electric Heat*

COOLING  
7700-15000 Btu  
**Up to 12.2 EER**

ELECTRIC HEAT  
6800-17000 Btu

PTAC  
*Heat Pump*

COOLING  
7700-14500 Btu  
**Up to 12.2 EER**

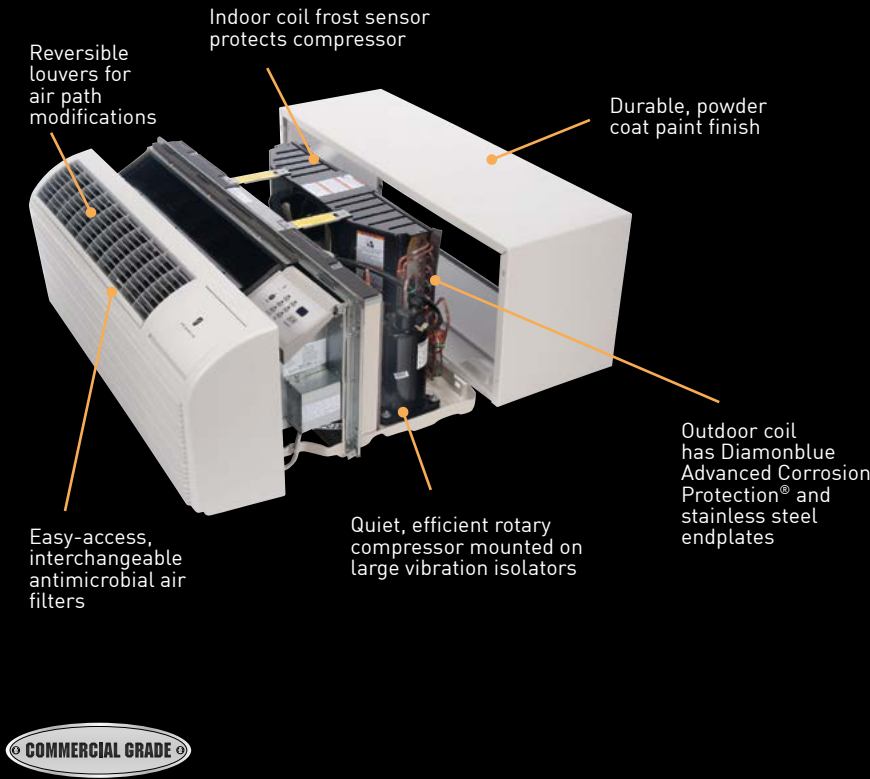
HEATING  
6300-13300 Btu  
**Up to 3.4 COP**

RELIABLE PERFORMANCE

It begins with durable materials and the highest quality components.

PDXWS WALL SLEEVE DIMENSIONS:  
16" H x 42" W x 13 3/4" D  
FRONT COVER DIMENSIONS:  
16" H x 42" W x 7 3/4" D  
CUT OUT DIMENSIONS:  
16 1/4" x 42 1/4"

Modular design for easy access to key components



Reliability backed by a 2-yr. parts and labor warranty, and 5-yr. limited warranty

2 YR.  
WARRANTY  
PARTS AND LABOR

5 YR.  
LIMITED WARRANTY

See warranty documentation for full details.

RECEPTACLES AND FUSE TYPES						
Voltage	230V			265V		
Amps	15	20	30	15	20	30
Heater Size	0, 2.0 kW	3.0 kW	5.0 kW	2.0 kW	3.0 kW	5.0 kW
Receptacles						
NEMA# Receptacle	6-15R	6-20R	6-30R	7-15R	7-20R	7-30R
NEMA# Plug	6-15P	6-20P	6-30P	7-15P	7-20P	7-30P



The tangential blower wheel has 5x the surface area of blowers used by other PTACs. It creates a wide path air flow that reaches the furthest corner of the guest room.

DIAMONBLUE  
Advanced Corrosion Protection®



Protects the outdoor coil against deterioration and extends the life of the unit especially in harsh coastal environments.

MORE STANDARD FEATURES

Durable construction

- Steel base pan and sleeve that are powder-coat painted to resist rust and corrosion
- Outdoor coil end plates are stainless steel to resist rust and corrosion (other PTACs use lower grade steel)
- Every PTAC unit is run-tested at the factory to reduce problems in the field
- 14 numeric service error codes stored in memory facilitate rapid unit diagnostics
- Easy access, long-life filters simplify maintenance that extends the life of the product
- Room freeze protection- initiates heat if temperature falls to 40°F in an unoccupied room
- Random compressor restart protects electrical systems from overload when power is restored
- Tamper-resistant grille and durable front panel with break-proof control door design
- Indoor coil frost sensor protects the compressor to lengthen the life of the unit
- 2 year full warranty on parts and labor; 5 year limited warranty
- Backed by a nationwide service network, and U.S.-based Friedrich expert technical team

Energy efficient and energy smart PTACS

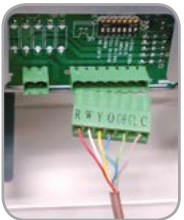
- Super efficient refrigeration design with EERs up to 12.2; COPs up to 3.4
- All units are available in energy efficient heat pump models
- Electronic defrost control ensures more run time in efficient heat pump mode
- Ability to adjust low/high temperature range limits for reduced energy usage
- Thicker steel inner-wall and foam construction decreases thermal transfer and energy loss
- Condensate removal system uses slinger ring technology to cool the coil and increase efficiency
- Desk control ready allowing hotel owners to control units from a central location

Comfort & Dehumidification

- Removes up to 3.2 pts./hr. of moisture in cool mode to improve comfort and reduce the chance of mold and mildew growth
- Intuitive unit controls are easy to operate and operate either set point or room temperature
- Owner-configurable 'Constant Fan' mode
- 'Instant Heat' heat pump mode quickly heats a room to the desired temperature for increased comfort
- 'Even-heat Monitoring' checks room temperature and automatically adds heat boost if necessary
- The digital control panel will automatically run the fan to briefly sample the room temperature every nine minutes to ensure desired conditions are maintained

Maintenance & Installation Features

- Universal heaters with heat capacities determined by the power cords; achieve up to 48 PTAC SKUs with 16 units by changing the power cord size
- Remote thermostat pop-out wiring module allows easier wiring and unit changeout without rewiring thermostat
- May be installed flush with the floor
- Reversible indoor air louvers
- Condensate disposal system
- Improved weather barrier
- Emergency heat override ensures heat mode operation even in the unlikely event of compressor failure
- Modular product design ensures easy access to key components for cleaning and repairs- including washable, lift-out air filters
- Depth of front is 7 3/4 inches which preserves indoor floor space



FriedrichLink® energy management thermostats available (wired & wireless)

- Integrated occupancy sensor
- Auto changeover
- 5 distinct energy presets
- Unique energy savings features
- Comprehensive remote management capability\*



Health & IAQ

- Fresh air damper to bring in fresh outside air when desired
- Two, easy-access washable, antimicrobial air filters
- Up to 3.2 pts./hr. dehumidification

Sound Reduction Technology

- Two permanently lubricated fan motors for added durability and reduced sound levels indoors
- Quiet, efficient rotary compressor mounted with vibration isolators to keep the compressor running smoothly and quietly
- High-density insulation blocks outdoor noise

Durability

- Faultless sure-hold front cover system securely attaches the front each time
- Random compressor restart protects electrical systems from overload when power is restored
- Quiet, efficient rotary compressor mounted with vibration isolators to keep the compressor running smoothly and quietly
- Steel base pan and sleeve
- Stainless steel outdoor end plates
- Room freeze protection

IMPORTANT NOTE: Sleeves are sold and shipped separately to accommodate new construction and replacement requirements.  
Fits other PTAC sleeves without the added expense of a baffle kit.

\* Energy management capability requires purchase of additional hardware and service fee



OPTIONAL ACCESSORIES

WALL SLEEVE  
PDXWSA

Galvanized steel is prepared in a state-of-the-art, multistep process for stronger paint adhesion, then powder coated with a polyester finish and cured in an oven for exceptional durability. The wall sleeve is insulated for thermal efficiency and noise reduction.  
16" H x 42" W x 13 ¾" D

SLEEVE EXTENSION RETROFIT KIT  
PXSE

2 ¼" sleeve extension attached to the room side of the sleeve to allow for the installation of a PD-series Friedrich PTAC in a 11 ½" deep T-series sleeve.

DEEP WALL SLEEVES  
PDXWSEXT18

For walls up to 17 1/2" deep.

PDXWSEXT24

For walls up to 23 1/2" deep.

PDXWSEXT (Custom depth wall sleeve)

One-piece extended wall sleeve for walls from 13 1/4" to 25 1/2" deep are available by special order.

DIGITAL REMOTE THERMOSTAT  
RT6

Single stage cool, single stage heat for PDE models or single stage cool, dual stage heat for PDH model thermostat features high/low fan speed switch. Thermostat is hard wired and can be battery powered or unit powered. Features backlit display and multiple configuration modes.

WRT1

Wireless, single stage, wall-mounted digital thermostat with two fan speeds. Features backlit display and multiple configuration modes.

FRIEDRICHLINK® ENERGY MANAGEMENT THERMOSTATS

EMRT1

Wired thermostat with occupancy sensor.

EMWRT1

Wireless thermostat with occupancy sensor.

EMOCT

Online connection kit.

EMRAF

Remote access fee.

REMOTE THERMOSTAT ESCUTCHEON KIT  
PDXRTA

Kit contains escutcheons that can be placed over the factory control buttons when a remote wall mounted thermostat is used. The escutcheon directs the user to the wall thermostat for operation and retains the LED window to display error codes and diagnostic information. 10 pack.

CONDUIT KIT /JUNCTION BOX  
PXCJA

Hard wire conduit kit with junction box for 208/230V and 265V units (subbase not required). Kit includes a means of quick disconnect for easy removal of the chassis.



Deep wall sleeve extension PDXWSEXT18 shown with weather panel in place



RT6



WRT1



EMRT1, EMWRT1



OPTIONAL ACCESSORIES

STANDARD GRILLE  
PXGA

Standard, stamped, anodized aluminum to resist chalking and oxidation.

ARCHITECTURAL GRILLES

Architectural grilles that consist of heavy gauge 6063-T5 aluminum alloy

PXAA Clear extruded aluminum.

PXBG Beige acrylic enamel.

PXSC Available in custom colors.

DECORATIVE SUBBASE (black)  
PXSBA

Provides unit support for walls less than six inches thick. Includes leveling legs, side filler panels and mounting brackets for electrical accessories. Accepts circuit breaker, power disconnect switch and conduit kit.

ELECTRICAL SUBBASE

Provides unit support for walls less than six inches thick. Includes leveling legs, side filler panels, mounting brackets, a plug-in receptacle and field-wiring access. The sub-base also includes electrical knockouts for a power disconnect switch or circuit breaker.

PXSB23020	Electrical Subbase - 230V 15 & 20A
PXSB23030	Electrical Subbase - 230V 30A
PXSB26515	Electrical Subbase - 265V 15A
PXSB26520	Electrical Subbase - 265V 20A
PXSB26530	Electrical Subbase - 265V 30A

POWER CORDS

		Length
PXPC23000	LCDI 230V 15A Cord - 00 kW (for use PDE models only)	6 ft.
PXPC23015	LCDI 230V 15A Cord - 2.0 kW	6 ft.
PXPC23020	LCDI 230V 20A Cord - 3.0 kW	6 ft.
PXPC23030	LCDI 230V 30A Cord - 5.0 kW	6 ft.
PXPC26515	Non-LCDI 265V 15A Cord - 2.0 kW	18 inches
PXPC26520	Non-LCDI 265V 20A Cord - 3.0 kW	18 inches
PXPC26530	Non-LCDI 265V 30A Cord - 5.0 kW	18 inches

PXFTA

Antimicrobial air filters. 10 pack.

CONDENSATE DRAIN KIT  
PXDR10

Attaches to the bottom of the wall sleeve for internal draining of condensate or to the rear wall sleeve flange for external draining. Recommended for all units to remove excess condensate. 10 pack.

LATERAL DUCT ADAPTER  
PDXDAA

Attaches to the Friedrich PTAC/PTHP unit to direct up to 35% of the total airflow to a second room. The unit-mounted duct plenum features a front-mounted aluminum grille that has two positions to provide the most optimal air direction. The air may be directed to either the left or the right of the unit through the supplied 3.5 H" x 7 W" x 47" L plenum. Plenum may be cut to length by the installer. Kit includes duct plenum, front grille, 47" duct extension, duct discharge grille, duct end cap and all necessary mounting hardware.

LATERAL DUCT EXTENSION  
PDXDEA

Additional 3.5 H" x 7" W x 47" L plenum for use with the LATERAL DUCT ADAPTER. A maximum of 3 duct extensions total may be used. Note: Ducted airflow is reduced as duct length is increased.



PXAA



PDXDAA and PDXDEA ship together

# SPECIFICATIONS

## PDE Series

Model		PDE07K	PDE07R	PDE09K	PDE09R	PDE12K	PDE12R	PDE15K	PDE15R
<b>PERFORMANCE DATA:</b>									
Cooling Btu		7700/7600	7700	9000/8800	9000	12000/11800	12000	15000/14600	15000
Cooling Watts		640/620	640	800/770	800	1120/1120	1120	1530/1510	1530
Energy Efficiency Ratio	EER	12.0/12.2	12.0	11.3/11.4	11.3	10.7/10.5	10.7	9.8/9.7	9.8
Moisture Removal	Pts./Hr.	1.7	1.7	2.2	2.2	2.7	2.7	3.2	3.2
Sensible Heat Ratio		0.84	0.84	0.81	0.81	0.67	0.67	0.65	0.65
<b>ELECTRICAL DATA:</b>									
Voltage (1 PHASE, 60 Hz)		230/208	265	230/208	265	230/208	265	230/208	265
Current	Amps	2.8/3.0	2.4	3.7/3.9	3.7	5.1/5.3	4.8	6.7/7.5	5.9
Power Factor		0.97	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Compressor LRA		19.0	12.0	17.0	18.0	27.0	23.0	32.6	27.8
Compressor RLA		2.8	2.4	3.7	2.9	5.0	4.3	6.6	5.6
Outdoor Fan Motor	HP	0.024	0.024	0.029	0.029	0.031	0.031	0.031	0.031
<b>AIRFLOW DATA:</b>									
Indoor CFM, HIGH		345/315	345	360/345	360	360/350	360	385/375	385
Indoor CFM, MED		320/290	320	330/305	330	330/310	330	360/330	360
Indoor CFM, LOW		295/265	295	300/270	300	310/280	310	320/290	320
Vent CFM		75	75	75	75	75	75	75	75
<b>PHYSICAL DATA:</b>									
Sleeve Dimensions H x W x D	In.	16"x42"x13 3/4"	16"x42"x13 3/4"	16"x42"x13 3/4"	16"x42"x13 3/4"	16"x42"x13 3/4"	16"x42"x13 3/4"	16"x42"x13 3/4"	16"x42"x13 3/4"
Dimensions with front H x W x D	In.	16"x42"x211/2"	16"x42"x211/2"	16"x42"x211/2"	16"x42"x211/2"	16"x42"x211/2"	16"x42"x211/2"	16"x42"x211/2"	16"x42"x211/2"
Cut Out Dimensions H x W	In.	16 1/4"x42 1/4"	16 1/4"x42 1/4"	16 1/4"x42 1/4"	16 1/4"x42 1/4"	16 1/4"x42 1/4"	16 1/4"x42 1/4"	16 1/4"x42 1/4"	16 1/4"x42 1/4"
Net Weight	Lbs.	106	106	111	111	116	116	119	119
Shipping Weight	Lbs.	126	126	131	131	136	136	139	139
R-410A Charge	Oz.	23.63	24.69	33.51	33.51	35.27	35.98	38.10	40.21
Dimensions with Packaging	In.	19.75"x23"x43.5" (all models)							

## PDH Series

Model		PDH07K	PDH07R	PDH09K	PDH09R	PDH12K	PDH12R	PDH15K	PDH15R
<b>PERFORMANCE DATA:</b>									
Cooling	Btu	7700/7600	7700	9000/8800	9000	12000/11800	12000	14500/14200	14500
Cooling Watts		640/620	640	800/770	800	1120/1120	1120	1480/1460	1480
Energy Efficiency Ratio	EER	12.0/12.2	12	11.3/11.4	11.3	10.7/10.5	10.7	9.8/9.7	9.8
Reverse Heating	Btu	6300/6100	6300	8100/7900	8100	10700/10500	10700	13300/13000	13300
Heating Watts		540/530	540	720/770	720	1010/990	1010	1300/1270	1300
COP		3.4/3.4	3.4	3.3/3.3	3.3	3.1/3.1	3.1	3.0/3.0	3.0
Moisture Removal	Pts./Hr.	1.7	1.7	2.2	2.2	2.7	2.7	3.2	3.2
Sensible Heat Ratio		0.84	0.84	0.81	0.81	0.67	0.67	0.65	0.65
<b>ELECTRICAL DATA:</b>									
Voltage (1 PHASE, 60 Hz)		230/208	265	230/208	265	230/208	265	230/208	265
Current	Amps	2.8/3.0	2.4	3.7/3.9	3.7	5.1/5.3	4.8	6.7/7.5	5.7
Reverse Heat	Amps	2.4/2.5	2.1	3.4/3.8	3.4	4.5/4.7	4.5	5.8/6.2	5.0
Power Factor		0.97	0.99	0.99	0.99	0.99	0.99	0.98	0.98
Compressor LRA		19.0	12.0	18.5	19.0	27.0	23.0	36.0	26.0
Compressor RLA		2.8	2.4	3.6	3.2	5.0	4.3	6.5	5.3
Outdoor Fan Motor	HP	0.024	0.024	0.029	0.029	0.031	0.031	0.031	0.031
<b>AIRFLOW DATA:</b>									
Indoor CFM, HIGH		345/315	345	360/345	360	360/350	360	420/390	385
Indoor CFM, MED		320/290	320	330/305	330	330/310	330	410/380	360
Indoor CFM, LOW		295/265	295	300/270	300	310/280	310	380/350	320
Vent CFM		75	75	75	75	75	75	75	75
<b>PHYSICAL DATA:</b>									
Sleeve Dimensions H x W x D	In.	16"x42"x13 3/4"	16"x42"x13 3/4"	16"x42"x13 3/4"	16"x42"x13 3/4"	16"x42"x13 3/4"	16"x42"x13 3/4"	16"x42"x13 3/4"	16"x42"x13 3/4"
Dimensions with front H x W x D	In.	16"x42"x211/2"	16"x42"x211/2"	16"x42"x211/2"	16"x42"x211/2"	16"x42"x211/2"	16"x42"x211/2"	16"x42"x211/2"	16"x42"x211/2"
Cut Out Dimensions H x W	In.	16 1/4"x42 1/4"	16 1/4"x42 1/4"	16 1/4"x42 1/4"	16 1/4"x42 1/4"	16 1/4"x42 1/4"	16 1/4"x42 1/4"	16 1/4"x42 1/4"	16 1/4"x42 1/4"
Net Weight	Lbs.	108	108	113	113	118	118	121	121
Shipping Weight	Lbs.	128	128	133	133	138	138	141	141
R-410A Charge	Oz.	23.63	24.69	33.51	35.27	35.27	35.98	39.86	36.33
Dimensions with Packaging	In.	19.75"x23"x43.5" (all models)							

Operating range 0°-115°F.

Due to continuing research in new energy-saving technology, specifications are subject to change without notice.

Five-year warranty limited to installations in the United States, Puerto Rico, Mexico and Canada only.

See warranty documentation for full details.



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