

# ZoneAire® Premier PTAC

## THE QUIETEST\* standard PTAC you can buy

The most efficient, reliable and quietest standard Friedrich PTAC



\* Independent 3rd party indoor testing against leading competitive brands

### Advanced design for greater energy efficiency

- **Curved coil design** of the Premier Series maximizes the internal surface area to deliver higher efficiencies
- **EERs** up to 13.3 reduces operating costs versus lower efficiency models

### QuietMaster® Technology



**Precision** engineering delivers maximum airflow and air dispersion at the lowest sound levels

**Quietest** standard PTAC available

**Rotary compressor** mounted on sound isolation grommets

### Dependable performance begins with the highest quality materials and components

**Stainless steel** endplates on the coils for better corrosion resistance

**Galvanized, zinc-coated steel** wall sleeves brought together with durable construction and rigorous testing

### Engineered for maximum guest comfort

**Tangential fan** provides quiet, yet powerful airflow that quickly reaches all corners of the room

**Two motor design** for quieter indoor sound levels

**Dense insulation** on the inner walls reduce sound transfer into the room

**Constant Fan** mode produces a steady stream of white noise in both cooling and heating modes that masks sound level changes when the compressor cycles on and off, and also masks outdoor noise

### Warranty and Support

**Industry leading warranty** features 2-year full warranty on parts and labor and 5-year limited warranty

**Nationwide service network and U.S. based Friedrich expert technical team** ensures you get fast, knowledgeable service



See warranty documentation for full details.

➤ This is a bullet for a sustainability feature

# Designed to deliver quiet, energy efficient operation and dependable performance backed by an exceptional warranty

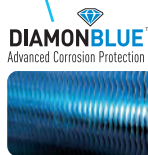
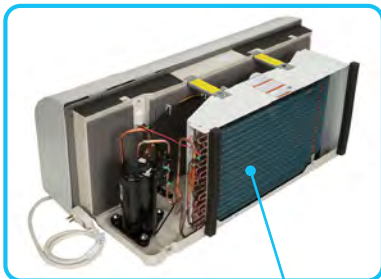
## ZoneAire® Premier features advanced coil design to deliver exceptional energy efficiency

The curved coil design of the Premier Series maximizes the internal surface area to deliver higher efficiencies

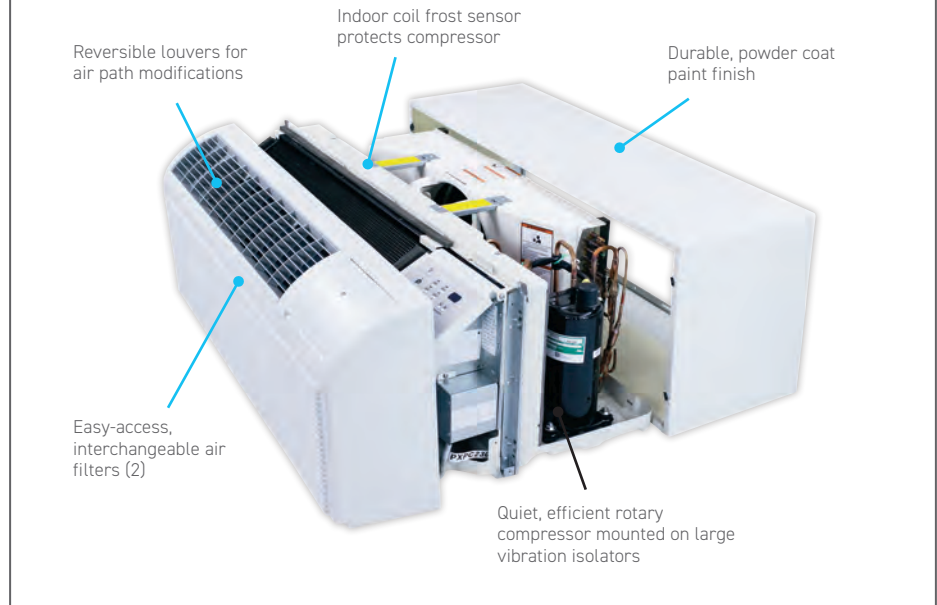
Key components can be easily accessed by your maintenance team so units can be removed, serviced and placed back in service faster.

## Diamonblue™ Advanced Corrosion Protection

Indoor and outdoor coils are coated to resist corrosion in harsh outdoor environments



Friedrich PTACs utilize a modular design that provides easy access to key components for maintenance or service



**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.



Easy to read and use digital controls



Large tangential fan provides smooth, powerful airflow

### CAPACITY RANGE

#### Electric Heat

#### COOLING

7,200-14,800 Btu  
EERs up to 13.3

#### ELECTRIC HEAT

8,300-17,000 Btu  
up to 5kw

#### Heat Pump

#### COOLING

7,200-15,000 Btu  
EERs up to 13.3

#### HEATING

5,800-13,800 Btu  
Up to 3.6 COP

#### AUXILIARY ELECTRIC HEAT

8,300-17,000 Btu up to 5kw

### Receptacles and Fuse Types

Voltage	230V			265V		
	2.5 kW	3.5 kW	5.0 kW	2.5 kW	3.5 kW	5.0 kW
Heater Size	2.5 kW	3.5 kW	5.0 kW	2.5 kW	3.5 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

**Standard power cord** installed on each unit (7-12k-3.5KW), (15K-5.0 KW)

# ZoneAire® Premier features

## Durable & Reliable Construction

- Stainless steel endplates** reduce outdoor coil corrosion
- Galvanized zinc coated steel wall sleeve and steel base pan** undergo an 11-step preparation process, are powder coated with a polyester finish and cured in an oven for exceptional durability
- Additional heating element bottom plate** above an improved heat shield provides extra thermal protection
- Additional thermistor on the blower scroll outlet** regulates internal temperature
- Factory run-tested units** reduce problems in the field
- Internal diagnostic program** can alert maintenance to component failures or operating problems. Fourteen numeric service error codes stored in memory facilitate rapid unit diagnostics
- 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, anodized stamped aluminum grille** withstands chalking and oxidation
- Break-proof control door design** maintains the integrity of the unit
- Indoor coil frost sensor** protects the compressor to lengthen the life of the unit
- Diamonblue™ Advanced Corrosion Protection** protects the outdoor coil from harsh environments

## Energy Efficient & Energy Smart

- ✔ **Super-efficient refrigeration design** with EERs up to 13.3 and COP up to 3.6
- ✔ **R-32 refrigerant** with low Global Warming Potential
- ✔ **Exceptional energy management thermostats available (wired & wireless)** with integrated occupancy sensor, five distinct energy presets and comprehensive remote management capability\*
- ✔ **Advanced coil design** adds more surface area leading to higher efficiencies
- ✔ **Thicker steel inner-wall and foam construction** decreases thermal transfer and energy loss
- ✔ **Energy efficient heat pump models** available in the complete line
- ✔ **Electronic defrost control** ensures more run time in efficient heat pump mode
- ✔ **Electronic temperature limiting** to adjust low/high temperature range limits for reduced energy usage
- ✔ **Slinger ring technology** in condensate removal system cools the coil and increases efficiency
- ✔ **Desk control ready** to allow hotel owners to control units from a central location

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

✔ This is a bullet for a sustainability feature

## 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 and steel inner wall** block outdoor noise
- Tangential blower wheel** creates a wide path air flow that reaches the furthest corner of the guest room more quietly than conventional fans

## Comfort, Health & IAQ

- A full complement of Indoor Air Quality Products** has been certified through installation and testing to ensure exceptional air quality is achieved when FreshAir IAQ accessories are added
- Dehumidification** removes up to 3.17 pints/hour of moisture in cool mode to improve comfort and reduce the chance of mold and mildew growth
- Constant Fan mode** provides continuous fan operation in cooling or heating modes to create a steady stream of white noise that masks sound level changes when the compressor cycles on/off
- Fresh air damper** brings in fresh outside air when desired
- Intuitive unit controls** are user friendly with easy-to-read LED display that can show either set-point or actual room temperature as selected by owner
- Instant Heat on heat pump models** quickly heats a room to the desired temperature for increased comfort
- Even-heat monitoring** checks room temperature and automatically adds heat boost if necessary
- Automatic periodic sampling of room temperature** to ensure desired conditions are maintained
- Reversible indoor air louvers** to easily change airflow direction

## Ease of Maintenance & Installation

- Modular product design** ensures easy access to key components for cleaning and repairs; including washable, lift-out air filters
- Remote thermostat pop-out wiring module** allows easier wiring and unit change out without rewiring thermostat
- Standard power cord** installed on each unit (7-12k-3.5KW), (15K-5.0 KW)
- Compact front is designed to preserve indoor floor space** with a depth of 7¼ inches
- Surehold Front Cover System®** securely attaches the front each time
- Inner wall service plate provides service access** to tangential blower bearing without having to open up the entire inner wall
- Easy access filters** simplify maintenance and extend the life of the product
- Unit may be installed flush** with the floor



# ZoneAire® Premier PTAC







## SPECIFICATIONS

### ELECTRIC HEAT MODELS, R-32 REFRIGERANT

Models ending in 'K' are 230/208V, models ending in 'R' are 265V

Model	PDE07K3SGR3	PDE07R3SGR3	PDE09K3SGR3	PDE09R3SGR3	PDE12K3SGR3	PDE12R3SGR3	PDE15K5SGR3	PDE15R5SGR3
<b>PERFORMANCE DATA</b>								
Cooling Btu	7,400/7,200	7,500	10,200/9,900	10,000	12,300/12,100	12,300	14,700/14,400	14,800
Cooling Watts	560/540	560	810/790	800	1,060/1,020	1,060	1,420/1,380	1,400
Energy Efficiency Ratio, EER	13.0/13.0	13.3	12.5/12.5	12.5	11.6/11.8	11.6	10.4/10.6	10.6
Heater Size (kW)	3.5	3.5	3.5	3.5	3.5	3.5	5	5
Moisture Removal (pints/hr.)	1.69	1.69	2.11	2.11	2.74	2.74	3.17	3.17
Sensible Heat Ratio	86%	86%	85%	85%	75%	75%	67%	67%
<b>ELECTRICAL DATA</b>								
Voltage (1 Phase, 60 Hz)	230/208	265	230/208	265	230/208	265	230/208	265
Volt Range	253 - 187	292 - 239	253 - 187	292 - 239	253 - 187	292 - 239	253 - 187	292 - 239
Current (Amps)	2.4/2.6	2.1	3.6/3.9	3.2	4.7/5.0	4.0	6.0/6.5	5.3
Electric Heater (Amps)	15.0	13.1	15.0	13.1	15.0	13.1	21.8	18.9
Power Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Compressor LRA	13.0	12.0	17.0	15.0	30.0	21.0	35.2	26.0
Compressor RLA	2.16	2.2	3.1	3.4	4.0	3.3	5.0	6.4
Outdoor Fan Motor, HP	0.080	0.080	0.080	0.080	0.086	0.086	0.086	0.086
<b>AIRFLOW DATA</b>								
Indoor CFM, HIGH	311.9	311.9	330	330	341.33	341.33	341	341.33
Indoor CFM, LOW	282.48	282.48	282	282	306.02	306.02	306	306.02
Vent CFM	75	75	75	75	75	75	75	75
<b>PHYSICAL DATA</b>								
Sleeve Dimensions (H x W x D)	16" x 42" x 13 3/4" (all models)							
Dimensions with Front (H x W x D)	16" x 42" x 21 1/2" (all models)							
Cut Out Dimensions (H x W x D)	16 1/4" x 42 1/4" (all models)							
Net Weight (lbs.)	110.25	110.25	110.3	110.3	114.66	114.66	114.7	114.7
Shipping Weight (lbs.)	132.3	132.3	132.3	132.3	136.71	136.71	136.7	136.7
R-32 Charge (oz.)	17.64	17.64	17.28	17.28	21.16	21.16	19.75	19.79
Dimensions with Packaging (inches)	17 7/8" x 45" x 25 1/4" (all models)							

POWER CORD#	VOLTAGE	230/208V ELECTRIC HEATER RATING (CONFIGURATION BASED ON POWER CORD)		
		BRANCH CKT AMPS	MCA	WATTS
PXPC23015A	230/208	15	13.9	2,500
PXPC23020A	230/208	20	19.9	3,500
PXPC23030A	230/208	30	27.5	5,000
PXPC26515A	265V	15	12.0	2,500
PXPC26520A	265V	20	16.8	3,500
PXPC26530	265V	20	23.8	5,000

Receptacles and Fuse Types						
Voltage	230V			265V		
Heater Size	2.5 kW	3.5 kW	5.0 kW	2.5 kW	3.5 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

**Standard power cord** installed on each unit (7-12k-3.5KW), (15K-5.0 KW)  
Optional 2.5Kw, 3.5Kw or 5kW through universal heater cord selection

Due to continuing research in new energy-saving technology, specifications are subject to change without notice. Warranty limited to installations in the United States, Puerto Rico, Mexico and Canada only. See warranty documentation for full details



# ZoneAire® Premier PTAC







## SPECIFICATIONS

### HEAT PUMP MODELS, R-32 REFRIGERANT

Models ending in 'K' are 230/208V, models ending in 'R' are 265V

Model	PDH07K3SGR3	PDH07R3SGR3	PDH09K3SGR3	PDH09R3SGR3	PDH12K3SGR3	PDH12R3SGR3	PDH15K5SGR3	PDH15R5SGR3
<b>PERFORMANCE DATA</b>								
Cooling Btu	7,400/7,200	7,300	9,700/9,400	9,800	12,100/11,900	12,000	14,600/14,200	14,500
Cooling Watts	570/560	560	800/780	810	1,040/1,000	1,030	1,400/1,360	1,390
Energy Efficiency Ratio, EER	13.0/13.0	13.0	12.1/12.1	12.1	11.6/11.8	11.6	10.4/10.4	10.4
Heater Size (kW)	3.5	3.5	3.5	3.5	3.5	3.5	5	5
Reverse Heating Btu	6,000/5,800	6,000	8,500/8,200	8,600	10,900/10,700	10,700	13,800/13,300	13,300
Heating Watts	490/460	490	690/670	690	940/900	920	1,310/1,250	1,250
COP (W/W)	3.6/3.6	3.6	3.6/3.6	3.65	3.4/3.46	3.4	3.1/3.1	3.1
Moisture Removal (pints/hr.)	1.69	1.69	2.11	2.11	2.75	2.75	3.17	3.17
Sensible Heat Ratio	83/80%	83%	75%	75%	70%	70%	---	---
<b>ELECTRICAL DATA</b>								
Voltage (1 PHASE, 60 Hz)	230/208	265	230/208	265	230/208	265	230/208	265
Volt Range	253-187.2	238.5-291.5	253-187	292-239	253-187	292-239	253-187	292-239
Current (Amps)	2.4/2.6	2.1	3.6/3.9	3.1	4.6/4.9	4	6.0/6.5	5.3
Electric Heater (Amps)	15.0	13.1	15.0	13.1	15.0	13.1	21.8	18.9
Reverse Heat (Amps)	2.1/2.3	1.8	3.1/3.2	2.6	4.1/4.3	3.5	5.6/5.9	4.7
Power Factor	0.99/1.0	1.0	0.99	0.99	0.99	0.99	---	---
Compressor LRA	13	12	17	15	30	21	35.2	26
Compressor RLA	2.16	2.2	3.1	3.4	4.0	4.5	5	6.4
Outdoor Fan Motor, HP	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
<b>AIRFLOW DATA</b>								
Indoor CFM, HIGH	311.9	311.9	330	330	340	341	341	341
Indoor CFM, LOW	282.48	282.48	282	282	306	306	306	306
Outdoor Air	75	75	52	52	52	52	75	75
<b>PHYSICAL DATA</b>								
Sleeve Dimensions (H x W x D)	16" x 42" x 13 3/4" (all models)							
Dimensions with front (H x W x D)	16" x 42" x 21" (all models)							
Cut Out Dimensions (H x W)	16 1/4" x 42 1/4" (all models)							
Net Weight (lbs.)	112.45	112.45	115	115	119	119	120	120
Shipping Weight (lbs.)	134.5	134.5	135	135	141	141	142	142
R-32 Charge (oz.)	27.51	27.51	24.7	24.7	20.92	28.9	29.63	28.57
Dimensions with Packaging (inches)	17 7/8" x 45" x 25 1/4" (all models)							

POWER CORD#	VOLTAGE	230/208V ELECTRIC HEATER RATING (CONFIGURATION BASED ON POWER CORD)		
		BRANCH CKT AMPS	MCA	WATTS
PXPC23015A	230/208	15	13.9	2,500
PXPC23020A	230/208	20	19.9	3,500
PXPC23030A	230/208	30	27.5	5,000
PXPC26515A	265V	15	12.0	2,500
PXPC26520A	265V	20	16.8	3,500
PXPC26530	265V	20	23.8	5,000

Receptacles and Fuse Types						
Voltage	230V			265V		
Heater Size	2.5 kW	3.5 kW	5.0 kW	2.5 kW	3.5 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

**Standard power cord** installed on each unit (7-12k-3.5KW), (15K-5.0 KW)  
Optional 2.5Kw, 3.5Kw or 5kW through universal heater cord selection.

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# Accessories

## DIGITAL REMOTE THERMOSTAT

### RT7P

24v, Wired (7 Std), single stage, wall-mounted, 7-day programmable thermostat, three fan speeds (auto/low/high), and an easy-to-read large backlight display.



RT7P

### RT7

24v, Wired (7 Std), non-programmable, wall-mounted thermostat (unit powered capable), three fan speeds (auto/low/high), and an easy-to-read backlight display.



RT7

### WRT2

Wireless wall-mounted thermostat (battery powered). Wireless transmitter (24v), 7-day programmable, three fan speeds (auto/low/high), and an easy to read large backlight display.



WRT2

## ENERGY MANAGEMENT THERMOSTATS

### VRPXEMRT(A/B)4      VRPXEMWRT(A/B)4 (FRESH-AIRE® PTAC CONTROLLERS)

VRPXEMRTA4 (White) / VRPXEMRTB4 (Black) wired EcoNet® wall controller, and VRPXEMWRTA4 (White) / VRPXEMWRTB4 (Black) wireless EcoNet® controller with occupancy sensor designed for FreshAire® PTAC control. Built-in RH control to maximize FreshAire® PTAC capabilities. Used with EMOCT for HVAC energy management.

### VRPXWCTA4

Wired thermostat without occupancy sensor (white only) 12V. Full inverter control. Designed to maximize features and benefits.

### EMWRTA4 (White) / EMWRTB4 (Black) (ZONAIRE® SELECT PTAC CONTROLLERS)

Wireless thermostat with occupancy sensor. Built in RH control to maximize FreshAire® capabilities. Used with EMOCT for HVAC energy management.

### EMRTA4 (WHITE) / EMRTB4 (BLACK)

Wired thermostat with occupancy sensor.

### EMRAF4

Remote access fee.

### EMOCT4

Online connection fee and kit for Energy Management.



EMWRT(A/B)4, EMRT (A/B) 4,  
VRPXEMRT (A/B) 4, VRPXEMWRT (A/B) 4

EMOCT

\*NOTE: The FreshAire® PTAC when paired with 12v wall controller VRPXEMRT4 or VRPXEMWRT4 will operate as a fully variable speed unit. When used with other compatible 24v thermostats, the unit will operate at multiple speeds in either cooling or heating mode.

# Accessories

## WALL SLEEVE

### PDXWSEZ

Easy snap-together design. Galvanized, zinc-coated steel with a polyester finish. The wall sleeve is insulated for thermal efficiency and noise reduction.



### PDXWSA

Galvanized steel is prepared in a multi-step process for stronger paint adhesion, then powder coated with a polyester finish and cured in an oven for exceptional durability. The wall sleeve is already assembled and insulated for thermal efficiency and noise reduction.

SLEEVE DIMENSIONS: 16" H x 42" W x 13 3/4" D

CUT OUT DIMENSIONS: 16 1/4" H x 42 1/4" W

FRONT COVER DIMENSIONS: 16" H x 42" W x 7 3/4" D



## 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 with built-in baffle for walls from 13 1/4" to 25 1/2" deep are available by special order.



Deep wall sleeve extension PDXWSEXT18 shown with weather panel in place.

## REMOTE THERMOSTAT ESCUTCHEON KIT

**PDXRTA** For use with ZoneAire® Premier only (10 pack)

**PDXRTB** for use with ZoneAire® Select and FreshAire® PTACs (10 pack)

Kit contains escutcheons that can be placed over the factory control buttons (recommended when a remote wall mounted thermostat is used as controls become inoperable). 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.



PDXRTA



PDXRTB

## 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.



PXCJA

## STANDARD GRILLE PXGA

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



PXGA

## ARCHITECTURAL GRILLES

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

**PXAA** Clear extruded aluminum.

**PXBG** Beige acrylic enamel.

**PXSC** Available in custom colors.



PXAA

## 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.



PXSB



PXSBA

## 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 subbase also includes electrical knockouts for 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



*These products meet a stringent set of our company's internally defined sustainability standards*

**FreshAire® PTAC models PVH09K, PVH09R, PVH12K, PVH12R**

Warning: Coastal Region Installations. Friedrich Air Conditioning recommends that owners take necessary precautions to protect the interior space, furnishings, and hardware from corrosion when installing make-up air products in coastal applications. Our FreshAire PTAC delivers up to 52 CFM of direct outside make-up air into the space. If installed within 2 miles of a body of salt water, due to the high salt content of coastal air and the high latent load of the make-up air, premature corrosion will occur naturally on non-protected items. Friedrich Air Conditioning is not responsible for premature corrosion resulting from the use of make-up air products.

FreshAire PTAC may be covered under one or more of the following patents: 10,408,504 and 10,436,457. Additional patents pending.

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