

SUPERIOR COMFORT FOR HOSPITALITY



**FRESHAIRE® &
ZONEAIRE® SERIES**

Packaged Terminal
Air Conditioners

 **FRIEDRICH**
DELIVERING BOLDLY CRAFTED COMFORT





Trusted by lodging properties across the US and Canada

More and more owners and operators have discovered that Friedrich's line of PTACs deliver extremely low sound levels and excellent energy efficiency, with innovations that set new standards for product performance, reliability, and guest comfort.

From the exceptional value of ZoneAire® Select, the extreme quiet of the ZoneAire® Premier, or the unmatched efficiency, fresh air capability and quiet performance of the FreshAire® PTAC, all Friedrich PTACs offer Advanced Corrosion Protection on the indoor and outdoor coils, and provide the peace of mind of a 2 yr. parts and labor warranty, and 5 yr. limited warranty.

FreshAire® IAQ READY

New, easy-to-install FreshAire® IAQ accessories provide guests with clean, healthy indoor air and help to restore their confidence in the safety of the property's indoor environment.



FreshAire® PTAC

The most advanced PTAC ever

A patented fresh air delivery system with industry leading adaptive make-up air control

US PATENT: #10.436.457

FreshAire®

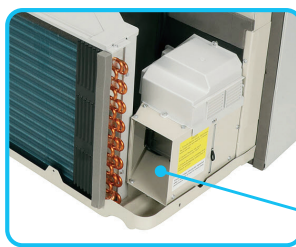
FreshAire® system helps achieve ASHRAE 62.1-2013 requirements, and brings a selected 20 or 52 CFM of MERV 8 filtered outside air through a proprietary fresh air manifold to be conditioned at the indoor coil and supplied to the indoor space.

Patented technology uses the inverter compressor and main cooling system to optimize temperature and humidity level of incoming air.

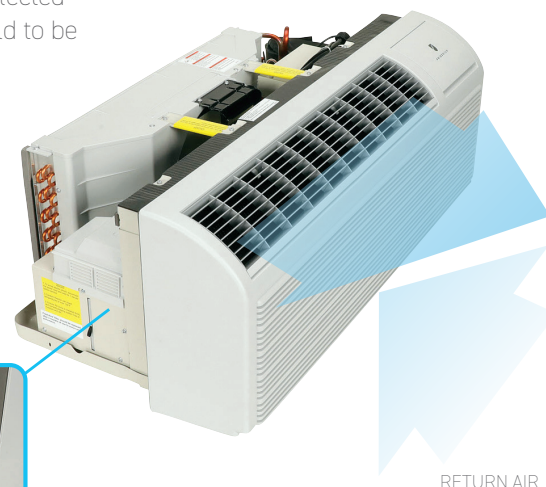
By introducing make-up air directly into the guestroom, Dedicated Outdoor Air Systems (DOAS) can be considerably downsized to service only the common areas of the property.

This greatly reduces the cost and complexity of hotel design and construction. Unlike other PTACs, the FreshAire® PTAC utilizes the main evaporator coil and MERV 8 filters to truly condition and filter the outside ventilation air. Pair with Friedrich's VRPX thermostat and maximize your indoor comfort with FreshAire adaptive make-up air control for humidity and occupancy.

MERV 8 FILTERED
MAKE-UP AIR



MAKE-UP AIR



RETURN AIR

WIDE CAPACITY RANGES FOR HEATING & COOLING THAT MATCH THE BUILDING LOAD

Variable speed technology gives you the flexibility of a full line of PTACs with only two models, and offers the highest available capacity that matches the building load. at over 15,500 Btu/hr. All models are inverter heat pumps operating as low as 25°F. outdoor ambient temperature.

The Friedrich Inverter variable speed compressor matches the unit output to the actual demand of the space for increased comfort and lower energy consumption.

FRESHHAIRE® MODEL	VARIABLE CAPACITY OPERATING RANGE	
	DOWN TO	UP TO
PVH09	5,800 Btu/hr	12,000 Btu/hr
PVH12	6,100 Btu/hr	15,500 Btu/hr

AWARD-WINNING FRESHAIR® PTAC

FreshAir® PTAC was honored by Engineering Systems magazine as Commercial Comfort Product of the Year for IAQ/Ventilation. The judges recognized that by introducing make-up air directly into the guestroom, rooftop dedicated outdoor air systems (DOAS) can be considerably downsized to service only the common areas of the property, greatly reducing the cost and complexity of hotel construction.



THE PREFERRED CHOICE FOR STUDENT HOUSING

Emory University wanted to install air conditioning equipment that would provide better air quality and better humidity control in the university's Clifton Tower dormitory. Proficient Engineering, the firm that designed the HVAC system for Clifton Tower, chose Friedrich Air Conditioning's FreshAir® PTAC for the unit's capability to deliver a selected 20 or 52 CFM of fresh, cool, pre-filtered, non humid air into the room. And because the PTAC units employ inverter-driven technology with variable-speed refrigerant systems, fresh air is continually distributed into the space. Outdoor air ventilation for each dorm room was brought in directly through the Friedrich PTACs.

While a building-wide central air conditioning system would have saved dorm room space, the PTACs offered the university a greater advantage: they are inexpensive first-cost units with simple maintenance, where a malfunctioning unit disrupts only a single dorm room. PTACs are designed for portability—a spare replacement can restore the dorm room to working order within minutes, while the faulty unit is repaired as time allows. Failure of a central system, on the other hand, requires sophisticated maintenance, often resolved by an engineer. And the downtime affects the occupants of the entire facility.

By introducing ventilation make-up air directly into the dorm rooms through the PTACs, the dedicated outdoor system was downsized considerably to service only the common areas. This reduced the cost and complexity of the dormitory's HVAC design, mitigating the need for additional ductwork and improving the cost of ownership for the university.



Innovative design and quality components deliver performance unmatched by any other PTAC

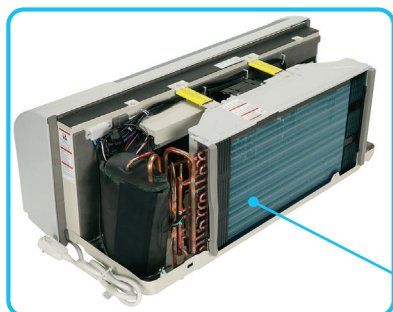
FreshAire® PTAC components can be easily accessed by your maintenance team

Units can be removed, serviced and placed back in service faster.

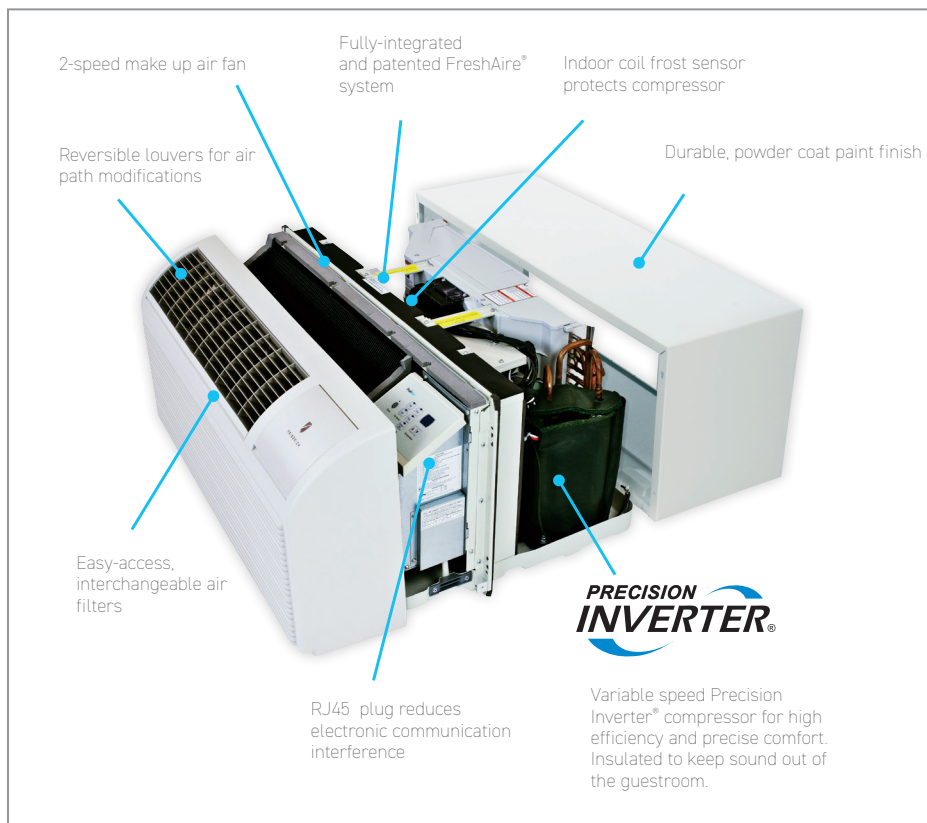
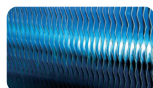
Commercial grade components provide reliable performance in even the most extreme climates.

Diamonblue™ Advanced Corrosion Protection

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



DIAMONBLUE™
Advanced Corrosion 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.

FRESHHAIRE® PTAC EXTENDED CAPACITY RANGE

230/208V Inverter

COOLING

PVH09K

STANDARD RATING R-32	9,800/9,700 Btu/h
EXTENDED RATING R-32	5,800 - 12,000 Btu/h

PVH12K

STANDARD RATING R-32	12,000/11,800 Btu/h
EXTENDED RATING R-32	6,100 - 15,500 Btu/h

HEAT PUMP Capable down to 25°F outdoor ambient temperature

PVH09K

STANDARD RATING R-32	8,500/8,400 Btu/h
EXTENDED RATING R-32	5,500 - 10,800 Btu/h

PVH12K

STANDARD RATING R-32	11,500/11,500 Btu/h
EXTENDED RATING R-32	6,000 - 14,000 Btu/h

265V Inverter

COOLING

PVH09R

STANDARD RATING R-32	9,800 Btu/h
EXTENDED RATING R-32	6,100 - 15,500 Btu/h

PVH12R

STANDARD RATING R-32	12,000 Btu/h
EXTENDED RATING R-32	6,100 - 15,500 Btu/h

HEAT PUMP Capable down to 25°F outdoor ambient temperature

PVH09R

STANDARD RATING R-32	8,500 Btu/h
EXTENDED RATING R-32	5,500 - 10,800 Btu/h

PVH12R

STANDARD RATING R-32	11,600 Btu/hr
EXTENDED RATING R-32	6,000 - 14,000 Btu/hj

BACK UP ELECTRIC HEAT

Heater configuration adjustable via a universal heater bank with output automatically adjusted based on the selected power cord.

FreshAire® PTAC delivers best-in-class energy efficiencies and low sound levels

FreshAire® PTACs with inverter compressors deliver equivalent SEER up to 15.0; HSPF up to 11.57, and offer many advantages over traditional PTACs.

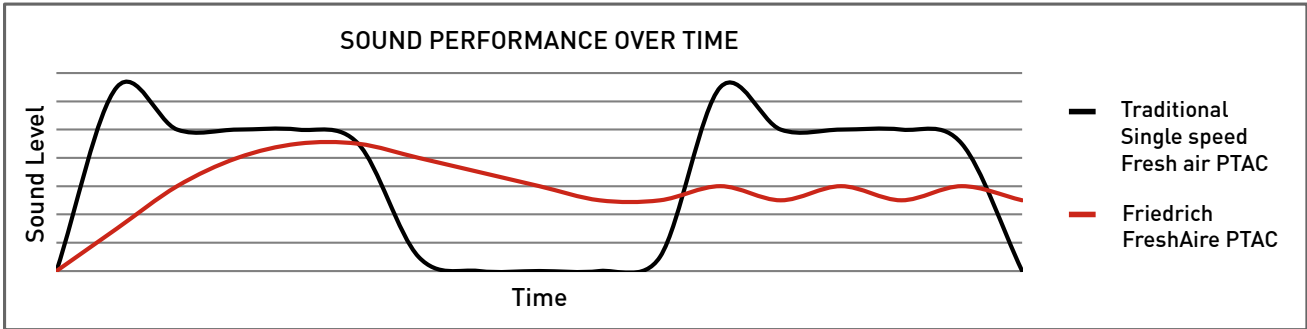
- Improved dehumidification
- Quieter start-up and operation
- Better efficiency during part load hours of cooling & heating
- Reduced temperature swings improve guest comfort



TRADITIONAL PTAC	FRESHAIRE INVERTER PTAC
At initial start up, a fixed capacity system slowly reaches the set temperature.	FASTER TO SETPOINT At initial start up, utilizes variable capacity to quickly reach the set temperature.
Complete shutdown once set temperature is achieved.	MAXIMUM ENERGY SAVINGS Reduces capacity as set temperature is achieved.
Temperature within the space rises until 2nd system start up.	MAINTAINS PRECISE COMFORT Variable capacity maintains set temperature keeping space comfortable with reduced energy consumption.
System works at full capacity to again reach the set temperature.	Variable capacity operation provides improved humidity control in the guestroom.
System cycles on and off continually to maintain the set temperature.	

SOFT-START™ TECHNOLOGY PROVIDES THE SMOOTHEST PTAC SOUND AVAILABLE

The variable-speed operation of the FreshAire® PTAC allows the unit to work at the optimal speed to match the true load of the room. This not only provides the best energy consumption curve it also adds to guest comfort by eliminating the harsh start-ups associated with single speed compressors.



The curves above illustrate the different sound characteristics of a single-speed PTAC (black curve) versus a Friedrich FreshAire® PTAC (red curve).

FreshAir® features

Make-Up Air System

Dedicated 2-speed fan delivers either 20 or 52 CFM of fully conditioned and filtered outside air into the room

Does not rely on separate refrigeration system like competitor's units

Adaptive Control Pair with Friedrich's VRPX thermostat and maximize your indoor comfort with FreshAir adaptive make-up air control for humidity and occupancy

Durable Construction

Aluminum 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

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 50°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

■ **Diamondblue™ Advanced Corrosion Protection** comes standard on all PTACs for long life in harsh coastal environments

■ **RJ45 communication plug**, R-J45 Communication Plug: This enables a more balanced communication signal, allowing the FreshAir® PTAC to fully interact with both the VRPX wired and wireless wall controllers. This interaction provides full variable control of the inverter compressor and grants access to our comprehensive energy management suite, which includes room occupancy features

Energy Efficient & Energy Smart

■ **Variable speed Inverter compressor** delivers EERs up to 12.0 at part load conditions

■ **R-32 refrigerant** with low Global Warming Potential

■ **Exceptional energy management thermostats** available (wired & wireless) with integrated occupancy sensor, five district energy presets and comprehensive remote management capability.*

■ **Energy efficient heat pump models** available in our complete line. Capable of operating in temperatures as low as 25°F outdoor ambient temperature

■ **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

■ **Central desk control ready** to allow hotel owners to control units from a central location

Comfort, Health & IAQ

Dehumidification removes moisture in cool mode to improve comfort and reduce the chance of mold and mildew growth

Integrated fresh air manifold unlike competing systems, this unit conditions outdoor air and complies with ASHRAE 62.1 standards for indoor air quality

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

Standard power cord installed on each unit (9-12k-3.5Kw), Offers adjustable heating capacity through a universal heater cord, allowing seamless switching between outputs to match the space's changing needs

Instant Heat on heat pump models quickly heats a room to the desired temperature for increased comfort

Automatic periodic sampling of room temperature to ensure desired conditions are maintained

Reversible indoor air louvers to easily change direction of airflow

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

Sound Reduction Features

Two permanently lubricated fan motors for added durability and reduced sound levels indoors

■ **Quiet, efficient inverter 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

Ease of Maintenance & Installation

Modular product design ensures easy access to key components for cleaning and repairs, including washable, lift-out air filters

Surehold Front Cover System™ securely attaches the front each time

May be installed low on the floor

Easy access air filters simplify maintenance and extend the life of the product. Filters are washable and replaceable

Warranty & Service

2-year full warranty on parts and labor and 5-year limited parts warranty

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



See warranty documentation for full details.

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

■ This feature enhances unit performance and energy efficiency

FreshAire® PTAC

SPECIFICATIONS

PTHP (HEAT PUMP) WITH INVERTER AND MUA (MAKE-UP AIR), R-32 REFRIGERANT

Model	PVH09K3FC	PVH09R3FC	PVH12K3FC	PVH12R3FC
PERFORMANCE DATA				
Cooling Btu/h	9,800/9,700	9,800	12,000/11,800	12,000
*Cooling Capacity Min./Max (Btu/h)	5,800-12,000	5,800-12,000	6,100-15,500	6,100-15,500
Cooling Watts	815/805	815	1,040/1,025	1,040
Energy Efficiency Ratio, EER	12.0/12.0	12.0	11.5/11.5	11.5
*Heater Size (kW)	3.5	3.5	3.5	3.5
Heat Pump Btu/h	8,500/8,400	8,500	11,500/11,500	11,600
*Heat Pump Capacity Min./Max. (Btu/h)	5,500-10,800	5,500-10,800	6,000-14,000	6,000-14,000
Heating Watts	710/700	710	940/940	940
COP	3.51/3.51	3.51	3.65/3.65	3.65
Moisture Removal (pints/h)	1.4	1.2	1.9	2.4
Sensible Heat Ratio	77%	78%	77%	78%
ELECTRICAL DATA				
Voltage (1 Phase, 60 Hz)	230/208	265	230/208	265
Volt Range	253-187	292-239	253-187	292-239
Current (Amps)	3.56/3.95	3.09	4.55/4.99	3.86
Electric Heater (Amps)	15.3	13.3	15.3	13.3
Heat Pump (Amps)	3.4/3.1	2.77	4.5/4.1	3.5
Power Factor	0.97	0.936	0.98	0.90
Compressor LRA	N/A	N/A	N/A	N/A
Compressor RLA	3.2	2.8	4.1	3.5
Outdoor Fan Motor, (HP)	0.071	0.14	0.08	0.14
AIRFLOW DATA				
Indoor CFM, HIGH	412	412	441	459
Indoor CFM, LOW	315	315	329	329
Make-up Air CFM@0.05" wc Min/Max (CFM)	20/52	20/52	20/52	20/52
PHYSICAL DATA				
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.)	120	109.9	136	136
Shipping Weight (lbs.)	141	132.45	157	157
R-32 Charge (oz.)	24.3	24.3	27.2	27.2

Electrical Heater Data									
MODEL	HEATER kW	Power Cord Kit	Voltage	BRANCH CKT AMPS	MCA	Watts	Cord length	Receptacle	
PVH09K	2.5 (optional)	PXPCFA23015 or PC23015	230/208	15	13.9	2500	67"	NEMA 6-15r	
PVH12K	1.5 (optional)	PXPCFA23015 or PC23015	230/208	15	13.9	2500		NEMA 6-15r	
PVH09R	2.5 (optional)	PXPCFA26515 or PC26515	265	15	12.0	2500	18"	NEMA 7-15r	
PVH12R	1.5 (optional)	PXPCFA26515 or PC26515	265	15	7.3	1500		NEMA 7-15r	
PVH09K	3.5 (default)	PXPCFA23020 or PC23020	230/208	20	19.9	3600	67"	NEMA 6-20r	
PVH12K	3.5 (default)	PXPCFA23020 or PC23020	230/208	20	19.9	3600		NEMA 6-20r	
PVH09R	3.5 (default)	PXPCFA26520 or PC26520	265	20	16.8	3500	18"	NEMA 7-20r	
PVH12R	3.5 (default)	PXPCFA26520 or PC26520	265	20	16.8	3500		NEMA 7-20r	
PVH12K	5.0 (optional)	PXPCFA23030 or PC23030	230/208	30	27.5	5000	67"	NEMA 6-30r	
PVH12R	5.0 (optional)	PXPCFA26530 or PC26530	265	30	23.8	5000	18"	NEMA 7-30r	

Standard power cord installed on each unit (9-12k-3.5KW). Adjustable heater size shown in chart above. Note 30A cord not compatible with the 9k unit.

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.

Warranty limited to installations in the United States, Puerto Rico, Mexico and Canada only. See warranty documentation for full details.

*Units must be appropriately sized/selected based on accurate building /room load requirements and the rated capacity of the equipment.

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 low sound levels

Insulated inner wall and compressor grommets greatly reduce in room sound levels

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

- ✓ This feature enhances unit performance and energy efficiency

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

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 parts warranty

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



See warranty documentation for full details.

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

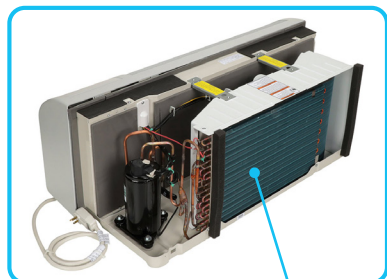
ZoneAire® Premier features advanced coil design to deliver exceptional energy efficiency

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

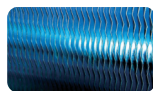
Key components can be easily accessed by your maintenance team so units can be removed, serviced and placed back in service faster.

Diamonblue™ Advanced Corrosion Protection

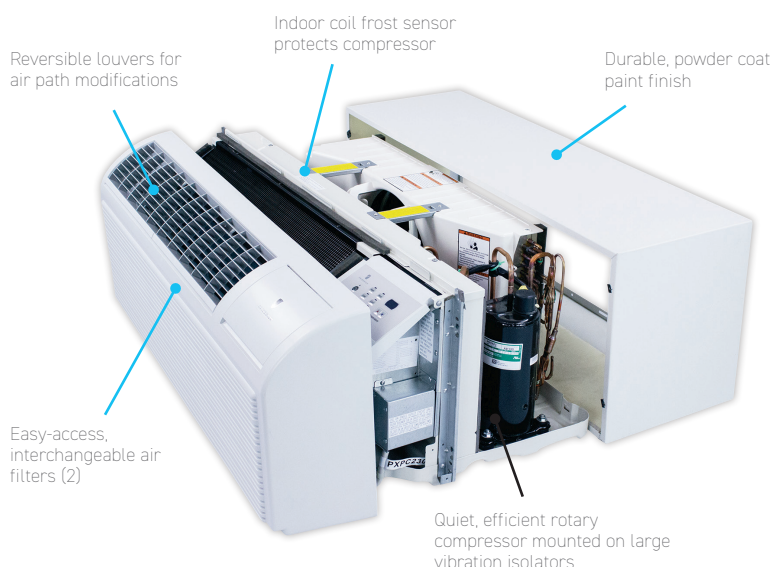
Indoor and outdoor coils are coated to resist corrosion in harsh outdoor environments



DIAMONBLUE™
Advanced Corrosion Protection



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/h
Up to 13.3 EER

ELECTRIC HEAT

8,300-17,000 Btu/h
up to 5kW

Heat Pump

COOLING

7,200-15,000 Btu/h
Up to 13.3 EER

HEATING

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

AUXILIARY ELECTRIC HEAT

8,300-17,000 Btu/h up to 5kW

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

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). Offers optional heater configuration adjustable via a universal heater bank with output automatically adjusted based on the selected power cord.

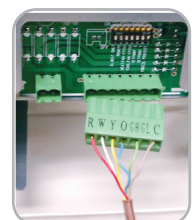
Compact front is designed to preserve indoor floor space with a depth of 7 1/4 inches

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



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

➤ This feature enhances unit performance and energy efficiency

ZoneAire® Premier PTAC

SPECIFICATIONS

ELECTRIC HEAT MODELS, R-32 REFRIGERANT

Model	PDE07K3SGR3	PDE07R3SGR3	PDE09K3SGR3	PDE09R3SGR3	PDE12K3SGR3	PDE12R3SGR3	PDE15K5SGR3	PDE15R5SGR3	
PERFORMANCE DATA									
*Cooling Btu/h	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/h)	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%	
ELECTRICAL DATA									
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	
AIRFLOW DATA									
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	
PHYSICAL DATA									
Sleeve Dimensions (H x W x D)	16" x 42" x 13 3/4"								
Dimensions with Front (H x W x D)	16" x 42" x 21 1/2"								
Cut Out Dimensions (H x W x D)	16 1/4" x 42 1/4"								
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)								
Electrical Heater Data									
MODEL	HEATER kW	Power Cord Kit	Voltage	BRANCH CKT AMPS	MCA	Watts	Cord length	Receptacle	
PDH07K, PDH09K, PDH12K, PDH15K	2.5	PXPC23015A, PXPCFA23015*, or PC23015*	230/208	15	13.9	2500	67"	NEMA 6-15r	
PDH07R, PDH09R, PDH12R, PDH15R	2.5	PXPC26515A, PXPCFA26515*, or PC26515*	265	15	7.3	1500	18"	NEMA 7-15r	
PDH07K, PDH09K, PDH12K, PDH15K	3.5	PXPC23020A, PXPCFA23020*, or PC23020*	230/208	20	19.9	3600	67"	NEMA 6-20r	
PDH07R, PDH09R, PDH12R, PDH15R	3.5	PXPC26520A, PXPCFA26520*, PC26520*	265	20	16.8	3500	18"	NEMA 7-20r	
PDH09K, PDH12K, PDH15K	5.0	PXPC23030A, PXPCFA23030*, PC23030*	230/208	30	27.5	5000	67"	NEMA 6-30r	
PDH09R, PDH12R, PDH15R	5.0	PXPC26530A, PXPCFA26530*, or PC26530*	265	30	23.8	5000	18"	NEMA 7-30r	
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 *Requires a jumper for proper operation. See Accessory Installation and Operation Manual for details									
Warranty limited to installations in the United States, Puerto Rico, Mexico and Canada only. See warranty documentation for full details. *Units must be appropriately sized/selected based on accurate building /room load requirements and the rated capacity of the equipment.									

ZoneAire® Premier PTAC

SPECIFICATIONS

HEAT PUMP MODELS, R-32 REFRIGERANT

Model	PDH07K3SGR3	PDH07R3SGR3	PDH09K3SGR3	PDH09R3SGR3	PDH12K3SGR3	PDH12R3SGR3	PDH15K5SGR3	PDH15R5SGR3	
PERFORMANCE DATA									
*Cooling Btu/h	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	
*Heat Pump Btu/h	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/h)	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%	---	---	
ELECTRICAL DATA									
Voltage (1 Phase, 60 Hz)	230/208	265	230/208	265	230/208	265	230/208	265	
Volt Range	253-187	238.5-291	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	
Heat Pump (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	
AIRFLOW DATA									
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	75	75	75	75	75	75	
PHYSICAL DATA									
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)								
Electrical Heater Data									
MODEL	HEATER kW	Power Cord Kit	Voltage	BRANCH CKT AMPS	MCA	Watts	Cord length	Receptacle	
PDH07K, PDH09K, PDH12K, PDH15K	2.5	PXPC23015A, PXPCFA23015*, or PC23015*	230/208	15	13.9	2500	67"	NEMA 6-15r	
PDH07R, PDH09R, PDH12R, PDH15R	2.5	PXPC26515A, PXPCFA26515*, or PC26515*	265	15	7.3	1500	18"	NEMA 7-15r	
PDH07K, PDH09K, PDH12K, PDH15K	3.5	PXPC23020A, PXPCFA23020*, or PC23020*	230/208	20	19.9	3600	67"	NEMA 6-20r	
PDH07R, PDH09R, PDH12R, PDH15R	3.5	PXPC26520A, PXPCFA26520*, PC26520*	265	20	16.8	3500	18"	NEMA 7-20r	
PDH09K, PDH12K, PDH15K	5.0	PXPC23030A, PXPCFA23030*, PC23030*	230/208	30	27.5	5000	67"	NEMA 6-30r	
PDH09R, PDH12R, PDH15R	5.0	PXPC26530A, PXPCFA26530*, or PC26530*	265	30	23.8	5000	18"	NEMA 7-30r	
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 *Requires a jumper for proper operation. See Accessory Installation and Operation Manual for details									
Warranty limited to installations in the United States, Puerto Rico, Mexico and Canada only. See warranty documentation for full details.									
*Units must be appropriately sized/selected based on accurate building /room load requirements and the rated capacity of the equipment.									

ZoneAire® Select PTAC

Excellent efficiency & quality

Exceptional value, with reliable performance backed by an outstanding warranty



Durable Construction

Superior materials and design reduce sound levels and improve overall guest satisfaction

Aluminum endplates reduce corrosion of the outdoor coil

Galvanized zinc coated steel wall sleeve and steel base pan undergo an 11-step preparation process, are powder coated with a polyester finish, and are oven-cured at high temperature for exceptional durability

Factory run-tested units reduce problems in the field

Internal diagnostic program can alert maintenance to component failures or operating problems

Room freeze protection initiates heat if the temperature falls to 50°F inside an unoccupied guest room

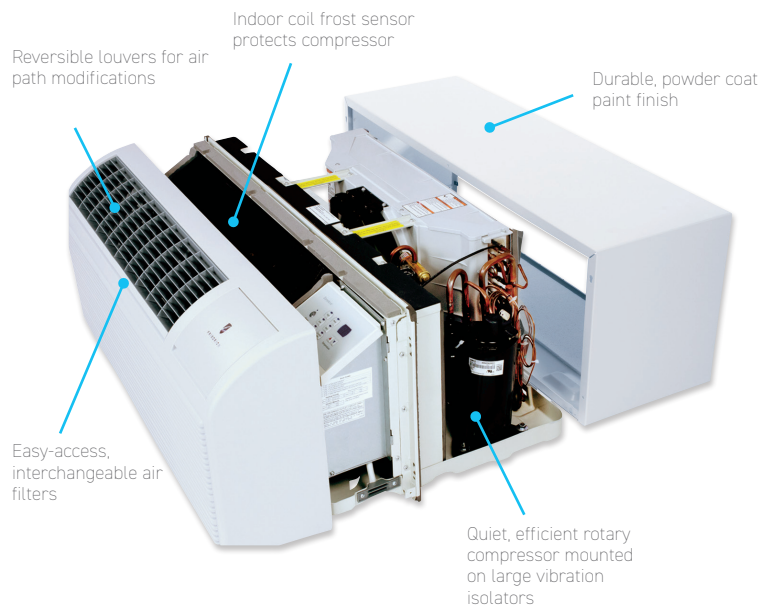
Random compressor restart protects electrical systems from overload when power is restored

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

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.

ZoneAire® Select features

Energy Efficient & Energy Smart

- ✔ **Super-efficient refrigeration design**
Up to 11.9 EER and 3.5 COP
- ✔ **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*
- ✔ **Energy efficient heat pump models** available in our 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
- ✔ **Central desk control ready** to allow hotel owners to control units from a central location

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 4.4 pints/h of moisture in cool mode to improve comfort and reduce the chance of mold and mildew growth

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

Air filters are easy to access and washable

Instant Heat heat pump mode quickly heats a room to the desired temperature for increased comfort

Automatic periodic sampling of room temperature every nine minutes to ensure desired conditions are maintained

Reversible indoor air louvers to easily change direction of airflow

Diamondgold™ Advanced Corrosion Protection

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

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

Surehold Front Cover System® securely attaches the front each time

May be installed flush with the floor

Sound Reduction Features

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

Warranty & Service

2-year full warranty on parts and labor and 5-year limited parts warranty

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

CAPACITY RANGE

Electric Heat

COOLING

6,800-14,500 Btu/h
Up to 12.0 EER

Heat Pump

COOLING

6,800-14,500 Btu/h
Up to 11.9 EER

HEATING

5,800-13,600 Btu/h
Up to 3.5 COP



Large tangential fan provides optimum airflow



See warranty documentation for full details.

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

✔ This feature enhances unit performance and energy efficiency

ZoneAire® Select PTAC

SPECIFICATIONS

ELECTRIC HEAT MODELS, R-32 REFRIGERANT

Model	PZE07K3SD	PZE09K3SD	PZE09R3SD	PZE12K3SD	PZE12R3SD	PZE15K5SD
PERFORMANCE DATA						
Cooling Btu/h	7,000/6,800	9,300/9,100	9,000	12,400/12,200	12,300	15000/14800
Cooling Watts	590/570	800/785	780	1,145/1,110	1,150	1500/1450
Energy Efficient Ratio, EER	11.9	11.6	11.5	10.8/11.0	10.7	10.0/10.2
Heater Size (kW)	3.5	3.5	3.5	3.5	3.5	5.0
Moisture Removal (pints/h)	0.69	1.39	1.1	2.68	2.81	4.01
Sensible Heat Ratio	89%	86%	86%	77%	75.7%	70%
ELECTRICAL DATA						
Voltage (1 Phase, 60 Hz)	230/208	230/208	265	230/208	265	230/208
Volt Range	253-187	250-187	292-239	253-287	292-239	253-187
Current (Amps)	2.7/2.8	3.5/3.8	4.2	5.0/5.5	5.9	6.8/7.3
Electric Heater (Amps)	11.1/10	15.9/14.3	13.8	15.9/14.3	13.8	21.9/19.8
Power Factor	0.98	0.98	0.98	0.95/0.94	0.98	0.93/0.91
Compressor LRA	14 ±10%	17 ±10%	16 ±10%	28.5 ±10%	21 ±10%	32 ±10%
Compressor RLA	2.45	2.72	2.45	3.85	4.3	7.1
Indoor Fan Motor (Input Watts)	60	60	60	70	70	70
Outdoor Fan Motor (Input Watts)	100	100	90	100	90	100
AIRFLOW DATA						
Indoor CFM, HIGH	350	390	390	450	450	450
Indoor CFM, LOW	330	330	330	340	340	340
Vent CFM	75	75	75	75	75	75
PHYSICAL DATA						
Sleeve Dimensions (H x W x D)	16" x 42" x 13 3/4"					
Dimensions with Front (H x W x D)	16" x 42" x 21 1/2"					
Cut Out Dimensions (H x W x D)	16 1/4" x 42 1/4"					
Net Weight (lbs.)	96.5	99.3	93	107	101	112.5
Shipping Weight (lbs.)	107	112	104	120	112	125
R-32 Charge (oz.)	17.6	19.4	19.0	21.5	22.2	27.5
Dimensions with Packaging (inches)	19 3/4" x 43 1/2" x 23"					

Warranty limited to installations in the United States, Puerto Rico, Mexico and Canada only. See warranty documentation for full details.

Units must be appropriately sized/selected based on accurate building /room load requirements and the rated capacity of the equipment.

Receptacles and Fuse Types				
Voltage	230V			265V
Amps	15	20	30	20
Heater Size	2.5 kW	3.5 kW	5.0 kW	3.5 kW
Receptacles				
NEMA# Receptacle	6-15R	6-20R	6-30R	7-20R
NEMA# Plug	6-15P	6-20P	6-30P	7-20P

ZoneAire® Select PTAC

SPECIFICATIONS

HEAT PUMPS MODELS, R-32 REFRIGERANT

Model	PZH07K3SD	PZH07K2SD	PZH09K3SD	PZH09R3SD	PZH12K3SD	PZH12K5SD	PZH12R3SD	PZH15K3SD	PZH15K5SD
PERFORMANCE DATA									
Cooling Btu/h	7,00/6,800	7,00/6,800	9,200/9,000	9,000	12400/12200	12400/12200	12300	15000/14800	15000/14800
Cooling Watts	590/570	605/570	800/775	780	1145/1120	1145/1120	1150	1500/1450	1500/1450
Energy Efficient Ratio, EER	11.9	11.9	11.5/11.6	11.5	10.8/10.9	10.8/10.9	10.7	10.0/10.2	10.0/10.2
Heater Size (kW)	3.5	2.5	3.5	3.1	3.5	5.0	3.5	3.5	5.0
Heat Pump Btu/h	6,200/6,000	6,200/6,000	8,000/7,800	8,200	10400/10200	10400/10200	10800	13600/13200	13600/13200
Heating Watts	520/500	520/500	680/660	685	895/880	895/880	1005	1245/1210	1245/1210
COP	3.5	3.5	3.4/3.5	3.5	3.4	3.4	3.2	3.2	3.2
Moisture Removal (pints/h)	0.69	0.69	1.39	1.1	2.68	2.68	2.81	4.01	4.01
Sensible Heat Ratio	89%	89%	86%	86%	77%	77%	75%	70%	70%
ELECTRICAL DATA									
Voltage (1 PHASE, 60 Hz)	230/208	230/208	230/208	265	230/208	230/208	265	230/208	230/208
Volt Range	253-187	253-187	253-187	292-239	253-187	253-187	292-239	253-187	253-187
Current (Amps)	2.7/2.8	2.7/2.8	3.5/3.8	3.1	5.0/5.4	4.9/5.3	5.1	6.3/6.9	6.4/7.0
Electric Heater (Amps)	11.1/10	15.9/14.3	15.9/14.3	13.8	15.9/14.3	21.9/19.8	13.8	21.9	21.9
Heat Pump Amps	2.3/2.4	2.1/2.3	3.0/3.2	3.1	4.0/4.4	4.0/4.4	4.5	5.4/5.8	5.5/6.0
Power Factor	0.98	0.98	0.98	0.98	0.95/0.94	0.95/0.94	0.98	0.99/0.98	0.99/0.98
Compressor LRA	14±10%	14±10%	17.0±10%	16± 10%	28.5±10%	28.5±10%	21+ 10 %	34.7	34.7
Compressor RLA	2.45	2.45	2.72	2.45	3.85	3.85	4.3	6.4	6.4
Indoor Fan Motor (Input Watts)	60	60	60	60	70	70	70	70	70
Outdoor Fan Motor (Input Watts)	100	100	100	90	100	100	90	100	100
AIRFLOW DATA									
Indoor CFM, HIGH	350	350	390	390	450	450	450	450	450
Indoor CFM, LOW	330	330	330	330	340	340	340	340	340
Vent CFM	75	75	75	75	75	75	75	75	75
PHYSICAL DATA									
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.)	97.6	97.6	100.7	94	108	108	102	114/126	114/126
Shipping Weight (lbs.)	110	110	113	105	121	121	113	119	119
R-32 Charge (oz.)	17.6	17.6	19.4	19.0	21.5	21.5	22.2	27.5	27.5
Dimensions with Packaging (inches)	19 3/4" x 43 1/2" x 23" (all models)								

Warranty limited to installations in the United States, Puerto Rico, Mexico and Canada only. See warranty documentation for full details.

Units must be appropriately sized/selected based on accurate building /room load requirements and the rated capacity of the equipment.

Receptacles and Fuse Types				
Voltage	230V			265V
Amps	15	20	30	20
Heater Size	2.5 kW	3.5 kW	5.0 kW	3.5 kW
Receptacles				
NEMA# Receptacle	6-15R	6-20R	6-30R	7-20R
NEMA# Plug	6-15P	6-20P	6-30P	7-20P

ZoneAire® Select PTAC

SPECIFICATIONS

ELECTRIC HEAT MODELS, R-32 REFRIGERANT

Model	PZE07K3SC	PZE09K3SC	PZE09R3SC	PZE12K3SC	PZE12R3SC	PZE15K5SC
PERFORMANCE DATA						
Cooling Btu/h	7,000/6,800	9,300/9,100	9,000	12,000/11,800	12,300	14,500/14,300
Cooling Watts	585/565	800/785	780	1,110/1,090	1,150	1,450/1,430
Energy Efficient Ratio, EER	12.0/12.0	11.6/11.6	11.5	10.8/10.8	10.7	10.0/10.0
Heater Size (kW)	3.5	3.5	3.5	3.5	3.5	5.0
Moisture Removal (pints/h)	0.69	1.37/1.69	1.1	2.32/2.56	2.81	4.29/4.44
Sensible Heat Ratio	89%	86%	84%	77%	75.7%	68.1%
ELECTRICAL DATA						
Voltage (1 Phase, 60 Hz)	230/208	230/208	265	230/208	265	230/208
Volt Range	253-187	250-187	292-239	253-287	292-239	253-187
Current (Amps)	2.6/2.7	3.48/3.77	4.2	4.82/5.24	5.92	6.3/6.87
Electric Heater (Amps)	15.9	15.9	13.7	15.9	13.7	21.9
Power Factor	0.93/0.95	0.97/0.98	0.98	0.99/0.98	0.98	0.99/0.98
Compressor LRA	13.4	17.5	16.0	23.9	21.0	34.7
Compressor RLA	2.4	3.43	2.45	4.51	4.3	6.4
Outdoor Fan Motor (HP)	0.07	0.07	0.07	0.07	0.07	0.07
AIRFLOW DATA						
Indoor CFM, HIGH	350	390	390	450	450	450
Indoor CFM, LOW	330	330	330	340	340	340
Vent CFM	75	75	75	75	75	75
PHYSICAL DATA						
Sleeve Dimensions (H x W x D)	16" x 42" x 13 3/4"					
Dimensions with Front (H x W x D)	16" x 42" x 21 1/2"					
Cut Out Dimensions (H x W x D)	16 1/4" x 42 1/4"					
Net Weight (lbs.)	90	94	93	106	101	107
Shipping Weight (lbs.)	103	105	104	117	112	118
R-32 Charge (oz.)	17.6	18.7	19.0	21.5	22.2	27.5
Dimensions with Packaging (inches)	19 3/4" x 43 1/2" x 23"					

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Units must be appropriately sized/selected based on accurate building /room load requirements and the rated capacity of the equipment.

Receptacles and Fuse Types				
Voltage	230V			265V
Amps	15	20	30	20
Heater Size	2.5 kW	3.5 kW	5.0 kW	3.5 kW
Receptacles				
NEMA# Receptacle	6-15R	6-20R	6-30R	7-20R
NEMA# Plug	6-15P	6-20P	6-30P	7-20P

ZoneAire® Select PTAC

SPECIFICATIONS

HEAT PUMPS MODELS, R-32 REFRIGERANT

Model	PZH07K3SC	PZH07K2SC	PZH09K3SC	PZH09R3SC	PZH12K3SC	PZH12K5SC	PZH12R3SC	PZH15K3SC	PZH15K5SC
PERFORMANCE DATA									
Cooling Btu/h	7,200/6,800	7,200/6,800	9,200/9,000	9,000	12,000/11,800	12,000/11,800	12,300	14,500/14,300	14,500/14,300
Cooling Watts	590/570	605/570	805/790	780	1,130/1,110	1,130/1,110	1,150	1,450/1,430	1,450/1,430
Energy Efficient Ratio, EER	11.9/11.9	11.9/11.9	11.4/11.4	11.5	10.6/10.6	10.6/10.6	10.7	10.0/10.0	10.0/10.0
Heater Size (kW)	3.5	2.5	3.5	3.5	3.5	5.0	3.5	3.5	5.0
Heat Pump Btu/h	6,000/5,800	6,000/5,800	8,000/7,800	8,200	10,400/10,200	10,400/10,200	10,800	13,600/13,200	13,600/13,200
Heating Watts	500/485	500/485	690/670	685	895/880	895/880	1,005	1,245/1,210	1,245/1,210
COP	3.5/3.5	3.5/3.5	3.4/3.4	3.5	3.4/3.4	3.4/3.4	3.2	3.2/3.2	3.2/3.2
Moisture Removal (pints/h)	0.69	TBD	1.37/1.69	1.1	2.32/2.56	2.32/2.56	2.81	4.29/4.44	4.29/4.44
Sensible Heat Ratio	0.89	0.98	0.85	0.86	0.78	0.78	0.753	0.68	0.68
ELECTRICAL DATA									
Voltage (1 PHASE, 60 Hz)	230/208	230/208	230/208	265	230/208	230/208	265	230/208	230/208
Volt Range	253-187	253-187	253-187	292-239	253-187	253-187	292-239	253-187	253-187
Current (Amps)	2.6/2.8	2.63/2.74	3.6/3.9	3.1	5.0/5.4	4.9/5.3	5.1	6.3/6.9	6.4/7.0
Electric Heater (Amps)	15.9	11.1	15.9	13.7	15.9	21.9	13.7	15.9	21.9
Heat Pump Amps	2.3/2.4	2.1/2.3	3.1/3.3	3.1	4.0/4.4	3.9/4.2	4.5	5.4/5.8	5.5/6.0
Power Factor	0.93/0.95	0.93/0.95	0.97/0.98	0.98	0.99/0.98	0.99	0.98	0.99/0.98	0.99/0.98
Compressor LRA	13.4	13.4	17.5	16.0	23.9	23.9	21.0	34.7	34.7
Compressor RLA	2.4	2.4	3.43	2.45	4.51	4.51	4.3	6.4	6.4
Outdoor Fan Motor, HP	0.07	0.07	0.07	0.06	0.07	0.07	0.08	0.07	0.07
AIRFLOW DATA									
Indoor CFM, HIGH	350	424	390	390	450	412	450	471	450
Indoor CFM, LOW	330	365	330	330	340	365	340	412	340
Vent CFM	75	75	75	75	75	75	75	75	75
PHYSICAL DATA									
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.)	92.6	92.6	95	94	107	107	102	108	108
Shipping Weight (lbs.)	104	104	106	105	118	118	113	119	119
R-32 Charge (oz.)	17.6	17.6	18.7	19.0	21.5	21.5	22.2	27.5	27.5
Dimensions with Packaging (inches)	19 3/4" x 43 1/2" x 23" (all models)								

Warranty limited to installations in the United States, Puerto Rico, Mexico and Canada only. See warranty documentation for full details.
Units must be appropriately sized/selected based on accurate building /room load requirements and the rated capacity of the equipment.

Receptacles and Fuse Types				
Voltage	230V			265V
Amps	15	20	30	20
Heater Size	2.5 kW	3.5 kW	5.0 kW	3.5 kW
Receptacles				
NEMA# Receptacle	6-15R	6-20R	6-30R	7-20R
NEMA# Plug	6-15P	6-20P	6-30P	7-20P

Advanced energy management

NEW AND IMPROVED DESIGN

Featuring a sleek design with an intuitive user interface and fingerprint-resistant glass for an enhanced user experience.

REAL-TIME OCCUPANCY SENSOR

Integrated Occupancy Sensor uses a combination of motion and thermal sensing technologies for accurate occupancy detection at all times.

7-DAY PROGRAMMABLE

Tailored for maximum energy savings based on daily routines and personalized temperature schedules for each day of the week.

Friedrich's EMRT(A/B)₄ and EMWRT(A/B)₄

REMOTE MANAGEMENT*

Provides expansive solutions for remote monitoring and configuration from any computer or mobile device connected to the internet.

WIRELESS MESH NETWORK

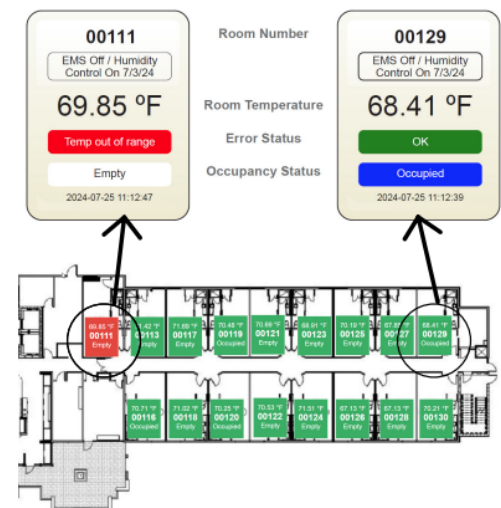
Eliminates the need for additional networking equipment such as signal repeaters or multiple data collection boxes.

ROOM STATUS

Displays operation, occupancy and energy efficiency status of each room.

ERROR ALERT

Built-in diagnostic tools to automatically send email alert notificacitons to hotel staff. Room tab will appear red when attention. Different users with recieve an alert notification for settings.



GRAPHICAL ROOM VIEW

Examine up to 30 days of room temperature, humidity, set points and occupancy modes.

TEMPERATURE SETBACK AND OPTIMIZATION

Automatically adjusts the temperature when the room is unoccupied in order to save energy. Continuously monitors and adjusts temperature rate in the room to maximize energy savings.

ENERGY REPORTS

Monitor energy use and can even evaluate the performance of energy saving features.

RUNTIME REPORTS

Provides average compressor and heater runtime percentage per day.



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.



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.



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.



*ENERGY MANAGEMENT THERMOSTATS

VRPXEMRT(A/B)4** VRPXEMWRT(A/B)4** (FRESHAIR® PTAC CONTROLLERS)

VRPXEMRTA4 (White) / VRPXEMRTB4 (Black) wired EcoNet® wall controller; and VRPXEMWRTA4 (White) / VRPXEMWRTB4 (Black) wireless EcoNet® controller with occupancy sensor designed for FreshAir® PTAC control. Built-in Relative Humidity control to maximize FreshAir® PTAC capabilities. Used with EMOCT4 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) (ZONEAIR® PTAC CONTROLLERS)

Wireless thermostat with occupancy sensor. Built in Relative Humidity control. Used with EMOCT4 for HVAC energy management. Also compatible with Freshaire PTAC.

EMRTA4 (WHITE) / EMRTB4 (BLACK)

Wired thermostat with occupancy sensor.

*EMRAF4

Remote access fee.

EMOCT4***

Online connection kit for energy management.

EMROS4

Energy management wired remote occupancy sensor

EMRTS4

Energy management door switch

EMCWP4

Energy management J-Box wall plate

EMRWOS4

Energy management wireless remote occupancy sensor

EMZBU

Zigbee/ BLE Door lock integration chip****

EMROS4

Energy management wired remote occupancy sensor

EMCWPA4 (WHITE) / EMCWPB4 (BLACK)

Energy Management J-Box WallPlate



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

EMOCT

* There is a one time remote access fee for energy management connection per stat/controller

**NOTE: The FreshAir® 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.

***There is a one online connection kit required per building.

**** Optional accessory factory installed on the energy management thermostat. Must be ordered with the thermostat.

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.



PDXWSEZ

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



PDXWSA

DEEP WALL SLEEVES

PDXWSEXT18

For walls up to 17 1/2" deep.

PDXWSEXT20

For walls up to 19 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 ZoneAir® Premier only (10 pack)

PDXRTB for use with ZoneAir® Select and FreshAir® 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

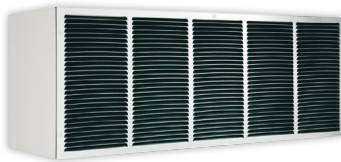
Hard wire conduit kit with junction box for 208/230V and 265V units (subbase not required). Kit includes a means of quick disconnect for easy removal of the chassis.



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

HURRICANE LOUVERS

Miami Dade rated PTAC louver to help secure projects along the coast in TAS 201 high velocity hurricane zones

PXAAHD Miami Dade Architectural Anodized Aluminum Louver

PXSCHD Miami Dade 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 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



SUBBASE DISCONNECT SWITCH PXDS



POWER CORDS

Universal power cords enable properties to select the appropriate heater size. Reference the specifications tables on page 8 (FreshAire®), or pages 12 and 13 (ZoneAire® Premier) for power cord options.

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 1/2" 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.



PDXDAA and PDXDEA ship together

LATERAL DUCT EXTENSION PDXDEA

Additional 3 1/2" H x 7" W x 47" L plenum used with the LATERAL DUCT ADAPTER.

A maximum of three duct extensions may be used together.

Note: Ducted airflow is reduced as duct length is increased.

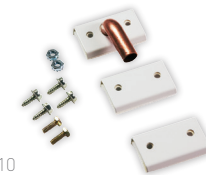
FreshAir® Purifier APWM1 (ALL MODELS) FreshAir® Purifier by iWaves features needlepoint bi-polar ionization to address any mold, bacteria, virus, allergens, and VOC's that may be in your air stream to ensure delivery of healthy, clean, purified air.



APWM1

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.



PXDR10

PXFTA (ZONEAIRE® PREMIER MODELS) Air Filter

Front-end air filter. 10. pack. Each PTAC requires 2 filters.



PXFTA

PXFTB (ZONEAIRE® SELECT AND FRESHIRE® MODELS) Air Filter

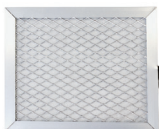
Front-end air filter. 10. pack. Each PTAC requires 2 filters.



PXFTB

PXFAFT10 (FRESHIRE® MODELS) Air Filter

Replacement FreshAir / Make up Air MERV 8 filters. 10 pack. Each PTAC requires 1 filter.



PXFAFT10



Sustainability

At Rheem, sustainability isn't just a feature we add to our products — it's a foundation of who we are as a company. As an industry leader, we continue to innovate and reimagine air and water solutions that drive our customers' success and protect the environment we all share. Because doing good isn't enough — we're committed to A Greater Degree of Good™

Warranty Information

Current warranty information can be obtained by referring to https://www.friedrich.com/professional/support/product-resources?ac_type=&type=Warranty

FreshAire® PTAC Models PVH09K, PVH09R, PVH12K, PVH12

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 a selected 20 or 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.

FreshAire® and ZoneAire® PTAC Models

Friedrich is a part of the Rheem® family of brands. In keeping with its policy of continuous progress & program improvement, Rheem reserves the right to make changes without notice.

The AHRI Certified® mark indicates our participation in the AHRI Certification program. For verification of individual certified products, go to www.ahridirectory.org.

© 2026 Rheem Manufacturing Company. Trademarks are property of their respective owners. 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.



Friedrich Air Conditioning Co. | Friedrich.com

