ZoneAire® | FreshAire®
Packaged Terminal Air Conditioners

3 LINES OF PTAC TO MEET YOUR NEW CONSTRUCTION OR REPLACEMENT UNIT NEEDS

ZONEAIRE® SELECT
Excellent energy efficiency and reliable performance backed by an outstanding warranty.

ZONEAIRE® PREMIER
Our most efficient standard PTAC with reliable performance and leading warranty for the lowest cost of operation.

FRESHAIRE®
The most advanced PTAC ever, with a fully-integrated make-up air system that helps meet ASHRAE 62.1-2013 requirements.
ZoneAire® Select
Packaged Terminal Air Conditioners

Reliable performance and low sound begins with durable materials and the highest quality components

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**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.
* Easy access anti-microbial filters* simplify maintenance and extend the life of the product.
* 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.
* DiamonBlue Advanced Corrosion Protection®* comes standard on all PTACs for long life in harsh coastal environments.

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

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Notes:

- Sleeves are sold and shipped separately to accommodate new construction and replacement requirements.
- Fits standard PTAC sleeves without the added expense of a baffle kit.
Energy Efficient & Energy Smart
Super-efficient refrigeration design with EERs up to 12.0 and COP up to 3.55.
Exceptional FriedrichLink® 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
Dehumidification removes up to 3.0 pints/hour 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.
Anti-microbial 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.

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 and Service
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.

<table>
<thead>
<tr>
<th>Receptacles and Fuse Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
</tr>
<tr>
<td>Amps</td>
</tr>
<tr>
<td>Heater Size</td>
</tr>
<tr>
<td>Receptacles</td>
</tr>
<tr>
<td>NEMA# Receptacle</td>
</tr>
<tr>
<td>NEMA# Plug</td>
</tr>
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</table>

* Energy management capability requires purchase of additional hardware and service fee.
### ZONEAIRE® SELECT SPECIFICATIONS

#### ZE Series with Electric Heat

**Model** | PZE07K3SB | PZE09K3SB | PZE09R3SB | PZE12K3SB | PZE12R3SB | PZE15K5SB
---|---|---|---|---|---|---
**PERFORMANCE DATA:**
Cooling Btu | 7200/6800 | 9600/9400 | 9200 | 12000/11800 | 12000 | 14500/14300
Cooling Watts | 600/565 | 815/800 | 800 | 1050/1035 | 1130 | 1420/1400
Energy Efficient Ratio, EER | 12.0 | 11.8/11.8 | 11.5 | 11.4/11.4 | 10.6 | 10.2/10.2
Heater Size (kW) | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 5.0
Moisture Removal [pints/hr.] | 0.7 | 1.2 | 1.6 | 2.1 | 3.2 | 3.0
Sensible Heat Ratio | 0.87 | 0.82 | 0.82 | 0.77 | 0.72 | 0.72

**ELECTRICAL DATA:**
Voltage (1 PHASE, 60 Hz) | 230/208 | 230/208 | 265 | 230/208 | 265 | 230/208
Current [Amps] | 2.6/2.7 | 3.5/3.8 | 4.2 | 4.5/5.0 | 5.9 | 6.2/6.7
Power Factor | 0.99 | 0.99 | 0.99 | 0.96 | 0.99 | 0.99
Compressor LRA | 13.0 | 20.0 | 18.2 | 28.5 | 25.9 | 34.5
Compressor RLA | 2.5 | 3.3 | 3.0 | 5.3 | 4.3 | 6.4
Outdoor Fan Motor, HP | 0.07 | 0.07 | 0.1 | 0.07 | 0.1 | 0.09

**AIRFLOW DATA:**
Indoor CFM, HIGH | 335 | 400 | 400 | 470 | 470 | 470
Indoor CFM, LOW | 250 | 250 | 290 | 360 | 360 | 360
Vent CFM | 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.) | 104 | 108 | 113 | 115 | 115 | 115
Shipping Weight (lbs.) | 126 | 130 | 136 | 137 | 137 | 137
R-410A Charge (oz.) | 30.0 | 32.1 | 31.4 | 30.7 | 30.0 | 34.2
Dimensions with Packaging [inches] | 19 3/4” x 43 1/2” x 23” (ALL MODELS)

### PZH Series Heat Pump

**Model** | PZH07K3SB | PZH09K3SB | PZH09R3SB | PZH12K3SB | PZH12R3SB | PZH15K5SB
---|---|---|---|---|---|---
**PERFORMANCE DATA:**
Cooling Btu | 7200/6800 | 9600/9400 | 9200 | 12000/11800 | 12000 | 14500/14300
Cooling Watts | 600/565 | 815/800 | 800 | 1050/1035 | 1130 | 1420/1400
Energy Efficient Ratio, EER | 12.0/12.0 | 11.8/11.8 | 11.5 | 11.4/11.4 | 10.6 | 10.2/10.2
Reverse Heating Btu | 6400/6300 | 8500/8200 | 8500 | 11000/10800 | 11400 | 13600/13200
Heating Watts | 530/520 | 710/685 | 710 | 930/920 | 1000 | 1180/1150
COP | 3.55/3.54 | 3.51/3.51 | 3.51 | 3.47/3.44 | 3.34 | 3.38/3.36
Moisture Removal [pints/hr.] | 0.7 | 1.2 | 1.6 | 2.1 | 3.2 | 3.0
Sensible Heat Ratio | 0.87 | 0.82 | 0.82 | 0.77 | 0.72 | 0.72

**ELECTRICAL DATA:**
Voltage (1 PHASE, 60 Hz) | 230/208 | 230/208 | 265 | 230/208 | 265 | 230/208
Current [Amps] | 2.6/2.7 | 3.5/3.8 | 4.2 | 4.5/5.0 | 5.9 | 6.2/6.7
Reverse Heat. Amps | 2.3/2.5 | 3.0/3.3 | 2.7 | 4.0/4.4 | 3.8 | 5.1/5.5
Power Factor | 0.99 | 0.99 | 0.99 | 0.96 | 0.99 | 0.99
Compressor LRA | 13.0 | 20.0 | 18.2 | 28.5 | 25.9 | 34.5
Compressor RLA | 2.5 | 3.3 | 3.1 | 5.3 | 4.3 | 6.4
Outdoor Fan Motor, HP | 0.07 | 0.07 | 0.1 | 0.07 | 0.1 | 0.09

**AIRFLOW DATA:**
Indoor CFM, HIGH | 335 | 400 | 400 | 470 | 470 | 470
Indoor CFM, LOW | 250 | 250 | 290 | 360 | 360 | 360
Vent CFM | 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.) | 105 | 109 | 113 | 114 | 115 | 116
Shipping Weight (lbs.) | 127 | 131 | 136 | 137 | 139 | 139
R-410A Charge (oz.) | 30.0 | 32.1 | 31.4 | 30.7 | 30.0 | 34.2
Dimensions with Packaging [inches] | 19 3/4” x 43 1/2” x 23” (ALL MODELS)

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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.
ZoneAire® Premier
Packaged Terminal Air Conditioners

Improved performance and design enhancements combine to deliver our most efficient and reliable standard PTAC

Advanced design for greater energy efficiency
- **EERs** up to 13.0 reduces operating costs versus lower efficiency models
- **Curved coil design** of the Premier Series maximizes the internal surface area to deliver higher efficiencies

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
- **Thick 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.

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

See warranty documentation for full details.
Friedrich PTACs utilize a modular design that provides easy access to key components for maintenance or service

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.

Outdoor curved coil is coated with Diamonblue Advanced Corrosion Protection®

Reversible louvers for air path modifications

Indoor coil frost sensor protects compressor

Durable, powder coat paint finish

Quiet, efficient rotary compressor mounted on large vibration isolators

Easy-access, interchangeable antimicrobial air filters (2)

Easy to read and use digital controls

DiamonBlue Advanced Corrosion Protection® comes standard on all PTACs for long life in harsh coastal environments.

The tangential blower wheel creates a wide path airflow that reaches the furthest corner of the guest room more quietly than conventional fans.

ZoNEAIRE® PREMIER PTAC

CAPACITY RANGE

Electric Heat

<table>
<thead>
<tr>
<th>COOLING</th>
<th>7000-15000 Btu</th>
<th>EERs up to 13.0</th>
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</table>

Heat Pump

<table>
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<tr>
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<th>EERs up to 13.0</th>
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<table>
<thead>
<tr>
<th>REVERSE HEATING</th>
<th>6000-13300 Btu</th>
<th>Up to 3.6 COP</th>
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<table>
<thead>
<tr>
<th>AUXILIARY ELECTRIC HEAT</th>
<th>8300-17000 Btu</th>
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Receptacles and Fuse Types

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<tr>
<th>Voltage</th>
<th>230V</th>
<th>240V</th>
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</thead>
<tbody>
<tr>
<td>Amps</td>
<td>15</td>
<td>20</td>
</tr>
<tr>
<td>Heater Size</td>
<td>2.5 kW</td>
<td>3.5 kW</td>
</tr>
<tr>
<td>Receptacles</td>
<td>6-15R</td>
<td>6-20R</td>
</tr>
<tr>
<td>NEMA# Receptacle</td>
<td>6-15P</td>
<td>6-20P</td>
</tr>
</tbody>
</table>
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.

Easy access filters simplify maintenance and extend 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, 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.

**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.

**Energy Efficient & Energy Smart**

Super-efficient refrigeration design with EERs up to 13.0 and COP up to 3.6.

Exceptional FriedrichLink® 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 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.

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**

Dehumidification removes up to 3.1 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.

Anti-microbial air filters are easy to access and washable.

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 direction of airflow.

**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 heat output power cord comes attached to the unit.

Compact front is designed to preserve indoor floor space with a depth of 7¾ 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.

Unit may be installed flush with the floor.

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

<table>
<thead>
<tr>
<th>PTAC Electric Heat models</th>
<th>Models ending in 'K' are 230/208V, models ending in 'R' are 265V</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PERFORMANCE DATA:</strong></td>
<td></td>
</tr>
<tr>
<td>Cooling Btu</td>
<td>PDE07K 7200/7000 7200 9400/9200 9400 11800/11600 11800 14500/14200 14500</td>
</tr>
<tr>
<td>Cooling Watts</td>
<td>PDE07R 7200 9400/9200 775/740 775 1015/1000 1015 1390/1365 1390</td>
</tr>
<tr>
<td>Energy Efficiency Ratio, EER</td>
<td>13.0/13.0 13.0 12.0/12.0 12.1 11.6/11.6 11.6 10.4/10.4 10.4</td>
</tr>
<tr>
<td>Moisture Removal [pints/hr.]</td>
<td>1.7 1.7 2.1 2.1 2.1 2.1 2.7 2.7</td>
</tr>
<tr>
<td>Sensible Heat Ratio</td>
<td>0.86 0.86 0.85 0.85 0.85 0.85 0.75 0.75</td>
</tr>
<tr>
<td><strong>ELECTRICAL DATA:</strong></td>
<td></td>
</tr>
<tr>
<td>Voltage [1 PHASE, 60 Hz]</td>
<td>230/208 265 230/208 265 230/208 265 230/208 265</td>
</tr>
<tr>
<td>Current [Amps]</td>
<td>2.7/2.9 2.4 3.7/3.9 3.3 4.9/5.1 4.2 6.2/6.7 5.4</td>
</tr>
<tr>
<td>Power factor</td>
<td>0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97</td>
</tr>
<tr>
<td>Compressor LRA</td>
<td>13.0 12.5 19.5 13.5 21.5 19.0 28.9 21.6</td>
</tr>
<tr>
<td>Compressor RLA</td>
<td>2.5 2.2 3.5 3.0 4.7 3.9 5.9 5.05</td>
</tr>
<tr>
<td>Outdoor Fan Motor, HP</td>
<td>0.080 0.080 0.080 0.080 0.086 0.086 0.086 0.086</td>
</tr>
<tr>
<td><strong>AIRFLOW DATA:</strong></td>
<td></td>
</tr>
<tr>
<td>Indoor CFM, HIGH</td>
<td>345/315 345 355/325 355 355 300 355 300</td>
</tr>
<tr>
<td>Indoor CFM, LOW</td>
<td>270/255 270 300/275 300 300 325/310 325 325</td>
</tr>
<tr>
<td>Vent CFM</td>
<td>75 75 75 75 75 75 75 75</td>
</tr>
<tr>
<td><strong>PHYSICAL DATA:</strong></td>
<td></td>
</tr>
<tr>
<td>Sleeve Dimensions [H x W x D]</td>
<td>16&quot; x 42 x 13 3/4&quot; (all models)</td>
</tr>
<tr>
<td>Dimensions with Front [H x W x D]</td>
<td>16&quot; x 42&quot; x 21 1/2&quot; (all models)</td>
</tr>
<tr>
<td>Cut Out Dimensions [H x W x D]</td>
<td>16 1/4&quot; x 42 1/4&quot; (all models)</td>
</tr>
<tr>
<td>Net Weight [lbs.]</td>
<td>106 107 115 115 115 119 119 121</td>
</tr>
<tr>
<td>Net Weight [lbs.]</td>
<td>126 127 135 135 135 139 139 140</td>
</tr>
<tr>
<td>Shipping Weight [lbs.]</td>
<td>23 23 24 24 24 36 36 36</td>
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<tr>
<td>Dimensions with Packaging [inches]</td>
<td>17 7/8&quot; x 45&quot; x 25 1/4&quot; (all models)</td>
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<table>
<thead>
<tr>
<th>PTAC Heat Pump models</th>
<th>Models ending in 'K' are 230/208V, models ending in 'R' are 265V</th>
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<tr>
<td><strong>PERFORMANCE DATA:</strong></td>
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<tr>
<td>Cooling Btu</td>
<td>PDH07K 7200/7000 7200 9400/9200 9400 11800/11600 11800 14500/14200 14500</td>
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<td>PDH07R 7200 9400/9200 775/740 775 1015/1000 1015 1390/1365 1390</td>
</tr>
<tr>
<td>Energy Efficient Ratio, EER</td>
<td>13.0/13.0 13.0 12.0/12.1 12.1 11.6/11.6 11.6 10.4/10.4 10.4</td>
</tr>
<tr>
<td>Reverse Heating Btu</td>
<td>PDH09K 6000/6900 6000 8300/8100 8300 10600/10400 10400 13300/13000 13000</td>
</tr>
<tr>
<td>Heating Watts</td>
<td>PDH12K 485/470 485 695/675 695 910/895 910 1255/1225 1255</td>
</tr>
<tr>
<td>COP</td>
<td>PDH12R 3.6/3.5 3.6 3.5/3.5 3.5 3.4/3.4 3.4 3.1/3.1 3.1</td>
</tr>
<tr>
<td>Moisture Removal [pints/hr.]</td>
<td>1.7 1.7 2.1 2.1 2.1 2.1 2.7 2.7</td>
</tr>
<tr>
<td>SENSIBLE HEAT RATIO</td>
<td>0.86 0.86 0.85 0.85 0.85 0.75 0.75 0.67 0.67</td>
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<td><strong>ELECTRICAL DATA:</strong></td>
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<td>Voltage [1 PHASE, 60 Hz]</td>
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</tr>
<tr>
<td>Reverse Heat. Amps</td>
<td>2.4/2.6 2.2 3.4/3.2 3.1 4.2/4.7 3.7 6.2/6.7 5.0</td>
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<tr>
<td>Power Factor</td>
<td>0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97</td>
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<td>Net Weight [lbs.]</td>
<td>133 132 139 139 139 141 139 144</td>
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<tr>
<td>R-410A CHARGE [oz.]</td>
<td>34 34 34 34 34 36 36 39 39</td>
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<td>Dimensions with Packaging [inches]</td>
<td>17 7/8&quot; x 45&quot; x 25 1/4&quot; (all models)</td>
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Packaged Terminal Heat Pumps

The widest cooling & heating range in the industry with only two models

Variable speed technology gives you the flexibility of a full line of PTACs with only two models, and offers the highest available capacity of any 42x16 PTAC on the market at over 17000 Btus.

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

- The **9000 Btu MODEL** can operate as low as 6462 Btus and as high as 12099 Btus.
- The **12000 Btu MODEL** can operate as low as 7929 Btus and as high as 17142 Btus.

That’s like getting multiple PTACs in one.
FreshAire PTAC delivers best-in-class efficiencies and low sound levels.

**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 BELOW ILLUSTRATE THE DIFFERENT SOUND CHARACTERISTICS OF A SINGLE-SPEED PTAC VERSUS A FRESHAIRE MODEL PTAC.

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

**FreshAire units with inverter compressors deliver equivalent SEERs up to 15.0; application HSPFs 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

**FRESHAIRE® PTAC**
Innovative design and quality components deliver unmatched performance

The FreshAire PTAC inverter compressor provides superior energy efficiency

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

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

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.

FRESHAIRE EXTENDED CAPACITY RANGE

<table>
<thead>
<tr>
<th>230/208V Fresh Air Inverter</th>
<th>265V Fresh Air Inverter</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>COOLING</strong></td>
<td><strong>COOLING</strong></td>
</tr>
<tr>
<td>PVH09K</td>
<td>PVH09R</td>
</tr>
<tr>
<td>STANDARD RATING</td>
<td>9600/9400 Btu</td>
</tr>
<tr>
<td>EXTENDED RATING</td>
<td>6,462 - 12099 Btu</td>
</tr>
<tr>
<td>PVH12K</td>
<td>PVH12R</td>
</tr>
<tr>
<td>STANDARD RATING</td>
<td>12000/11800 Btu</td>
</tr>
<tr>
<td>EXTENDED RATING</td>
<td>7,929 - 17142 Btu</td>
</tr>
<tr>
<td>Up to 12.9 EER</td>
<td>Up to 12.0 EER</td>
</tr>
<tr>
<td>Up to 15.0 Equivalent SEER</td>
<td></td>
</tr>
<tr>
<td><strong>HEAT PUMP</strong></td>
<td><strong>HEAT PUMP</strong></td>
</tr>
<tr>
<td>PVH09K</td>
<td>PVH09R</td>
</tr>
<tr>
<td>STANDARD RATING</td>
<td>8200/8500 Btu</td>
</tr>
<tr>
<td>EXTENDED RATING</td>
<td>5606 - 11745 Btu</td>
</tr>
<tr>
<td>PVH12K</td>
<td>PVH12R</td>
</tr>
<tr>
<td>STANDARD RATING</td>
<td>11600/11800 Btu</td>
</tr>
<tr>
<td>EXTENDED RATING</td>
<td>6995 - 16187 Btu</td>
</tr>
<tr>
<td>Up to 11.57 Application HSPF</td>
<td>Up to 3.57 COP</td>
</tr>
</tbody>
</table>

**BACK UP ELECTRIC HEAT**

2.5 kw, 3.5 kw and 5.0 kw heater options

*5.0 kw heater cannot be used on PV09K/PV09R*
FRESHAIRE® FEATURES

FreshAire System

Dedicated fan delivers 52 CFM of outside air into the room.
Merv 8 filter is washable and replaceable.
Does not rely on separate refrigeration system like competitor’s units.

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.
Easy access anti-microbial filters simplify maintenance and extend the life of the product.
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.
DiamonBlue Advanced Corrosion Protection® comes standard on all PTACs for long life in harsh coastal environments.

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 effectively conditions outside air and meets ASHRAE 62.1 standard for IAQ
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.
Anti-microbial 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 to ensure desired conditions are maintained.
Reversible indoor air louvers to easily change direction of airflow.

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.

Warranty and Service

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.

Energy Efficient & Energy Smart

Variable speed Inverter compressor delivers EERs up to 12.9 at part load conditions (9000 Btu model operating at 6462 Btu).
Exceptional FriedrichLink® 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.

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

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 PTAC OPTIONAL ACCESSORIES

WALL SLEEVE  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 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  PDXWSEXT24
For walls up to 17 1/2” deep. 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.

SLEEVE EXTENSION RETROFIT KIT  PXSE
2 1/4” sleeve extension attached to the room side of the sleeve to allow for the installation of a PD-series Friedrich PTAC in an 11 1/2” deep T-series sleeve.

INTELLIGENT WALL CONTROLLER* [FRESHAIRE MODELS]
PFAWXC1
Wired, wall-mounted, 12v controller, non-programmable
EMRT2 12v
Wired thermostat with occupancy sensor. Built-in RH control to maximize FreshAire capabilities. Used with EMOCT for HVAC energy management
EMWRT2
Wireless thermostat with occupancy sensor. Built in RH control to maximize FreshAire capabilities. Used with EMOCT for HVAC energy management

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.

FRIEDRICHLINK® ENERGY MANAGEMENT THERMOSTATS
EMRT2  EMWRT2
Wired thermostat with occupancy sensor. Wireless thermostat with occupancy sensor.
EMOCT  EMRAF
Online connection kit for Energy Management Remote access fee.
EMRHCF
Remote humidity control fee.

REMOTE THERMOSTAT ESCUTCHEON KIT  PDXRTB
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.

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.

SUBBASE DISCONNECT SWITCH  PXDS
FRIEDRICH PTAC OPTIONAL ACCESSORIES

STANDARD GRILLE  PXGA
Standard, stamped, anodized aluminum to resist chalking and oxidation.

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.

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.

POWER CORDS
Universal power cords enable properties to select the appropriate heater size. Reference the adjacent table for power cord options.

<table>
<thead>
<tr>
<th>ZONEAIRE PREMIER</th>
<th>FRESHAIRE</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>PXPC23015A</td>
<td>PXPCFA23015</td>
<td>LCDI 230V 15A Cord - 2.5 kW</td>
</tr>
<tr>
<td>PXPC23020A</td>
<td>PXPCFA23020</td>
<td>LCDI 230V 20A Cord - 3.5 kW</td>
</tr>
<tr>
<td>PXPC23030A</td>
<td>PXPCFA23030</td>
<td>LCDI 230V 30A Cord - 5.0 kW</td>
</tr>
<tr>
<td>PXPC26515A</td>
<td>PXPCFA26515</td>
<td>Non-LCDI 265V 15A Cord - 2.5 kW</td>
</tr>
<tr>
<td>PXPC26520A</td>
<td>PXPCFA26520</td>
<td>Non-LCDI 265V 20A Cord - 3.5 kW</td>
</tr>
<tr>
<td>PXPC26530</td>
<td>PXPCFA26530</td>
<td>Non-LCDI 265V 30A Cord - 5.0 kW</td>
</tr>
</tbody>
</table>

PXFTA (ZONEAIRE SERIES), PXFTB (ZONEAIRE AND FRESHAIRE MODELS)
Antimicrobial air filters. 10 pack. Each PTAC requires 2 filters.

PXFAFT10 (FRESHAIRE MODELS)
Replacement Merv 8 filters. 10 pack. Each PTAC requires 1 filter.

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 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.

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.

*NOTE: The FreshAire PTAC must be paired with wall controller PFAXWC1 to operate as a fully variable speed unit.
When used with other compatible thermostats, the unit will operate at multiple speeds in either cooling or heating mode.
Save big on energy without compromising guest comfort with FriedrichLink® thermostats, the advanced energy management solution for Friedrich ZoneAire® and FreshAire™ PTACs

Real Time Motion and Thermal Occupancy Sensor
Integrated Occupancy Sensor uses a combination of motion and thermal sensing technologies for accurate occupancy detection at all times—no need to install additional devices such as door switches or sensors.

Wired or Wireless Installation
Wired or wireless connectivity with extensive configuration options deliver full compatibility and easy integration with virtually any packaged HVAC system.

5 Energy Savings Presets
5 distinct energy saving modes make it easy to choose the optimal energy saving settings for any property.

Remote Management*
Web-based remote management provides expansive solutions for remote monitoring and configuration from any computer connected to the Internet.

Built-in Wireless Networking enables remote management without using or interfering with property’s existing wireless infrastructure. True mesh networking eliminates the need for additional networking equipment such as signal repeaters or multiple data collection boxes.

Advanced Energy Saving Features

Fully configurable energy saving modes maximize energy savings without compromising guest comfort. Setback optimization continuously monitors temperature recovery rate in the room and adjusts setback temperature to maximize energy savings. Setpoint limits allow maximum and minimum room temperature to be set when the room is unoccupied. Set point limits prevent guests from setting room temperature to extreme, energy-wasting levels.

Room status displays operation, occupancy and energy efficiency status of each room. Room detail displays temperature and occupancy changes in a room. Energy reports monitor energy use and can even evaluate the performance of energy saving features. Intuitive interface makes it easy to apply different settings to different rooms.

User management allows configuration of custom access permissions and alert notification settings for different users. Built-in diagnostic tools automatically send email alert notifications to hotel staff.

Friedrich’s EMRT2 and EMWRT2 thermostats use real-time motion and thermal occupancy detection to save energy.

When the room is unoccupied, the thermostat automatically adjusts the temperature to eliminate unnecessary heating and cooling.

Monitor room status and see the operation, occupancy and energy efficiency status of each room.

* Requires an optional “Online Connection Kit” and a one-time license fee. Optional Humidity Control Feature available through Remote Management. See accessories on opposite page.