



# PREMAIR

## R32 Vertical Terminal Air Conditioner (VTAC) Series



## Product Features

### High-Efficiency Comfort. Powerful Performance. Compact Footprint.

Slim Vertical Design for Maximum Space Savings.

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Our VTAC units deliver full-capacity heating and cooling performance in a compact vertical chassis — ideal for hotels, multi-family housing, student living, modular construction, and commercial spaces requiring quiet, efficient conditioning without sacrificing floor plan flexibility.

#### High-Performance Cooling with R32 Refrigerant

Designed with eco-friendly R32 refrigerant, this system provides superior heat-transfer efficiency and reduced global warming potential — delivering stronger cooling performance with a smaller environmental footprint.

#### Reliable Year-Round Heating

With high-efficiency heat-pump technology and optional electric heat kits, the system ensures dependable heating performance even in challenging winter temperatures (down to 5°F / -15°C in optimized mode).

#### Whisper-Quiet Comfort

Engineered airflow and advanced rotary compressors keep sound levels low for both supply air and operation — ensuring comfort without disruption.

#### Advanced Electronic Expansion Valve (EEV) System

Precision refrigerant metering improves efficiency, accelerates system response, and enhances performance across a broad range of outdoor temperatures.

#### Easy Installation & Serviceability

A compact footprint and front-service access simplify installation in new construction or replacement applications. Configurable chassis wiring and 24-V control compatibility streamline setup.

#### Powerful Airflow with Up to 0.3" ESP

Supports ducted or closet-style installations with 0–0.3 in external static pressure for flexible design options.

#### Built for Durability

High-pressure design (up to 3.4 MPa) and GMCC rotary compressors deliver exceptional reliability and long service life.

## Key Features At a Glance

Feature	Description
R32 Refrigerant	Improved efficiency and reduced environmental impact.
SEER2 / HSPF2	Up to 14.4 SEER2 and 7.1 HSPF2.
Wide Operating Range	Cooling 59–118°F; heating down to 5°F.
Electric Heat Options	Optional electric heat kits up to 24,500 BTU.
Rotary Compressors	GMCC-designed for quiet, efficient performance.
Compact Chassis	Ideal for replacement or new construction installs.
Ductable Airflow	Flexible configurations for multi-room applications.
Low Noise	Quiet operation across all fan speeds.
24-V Control	Compatible with standard low-voltage thermostats.

Model	PVTA-09	PVTA-12	PVTA-15	PVPA-18	PVPA-22
Voltages V,Ph,Hz	208/230/1/60	208/230/1/60	208/230/1/60	208/230/1/60	208/230/1/60
Cooling Rated Capacity (Btu/h)	9600	12600	15000	18300	22000
Cooling Rated Input (W)	870	1135	1445	1890	2400
Cooling Rated Current (A)	4.4/4.0	5.4/4.9	7.4/6.7	9.2/8.3	11.6/10.5
EER (Btu/Wh)	11.03	11.10	10.38	9.68	9.17
SEER2	13.8	14.4	13.7	12.8	12.8
Cooling Capacity Range (Btu/h)	5700-10000	5700-13000	7400-15300	8600-18600	10300-22400
Heating Rated Capacity (Btu/h)	9800	12300	14300	18000	20000
Heating Rated Input (W)	810	1115	1310	1640	1885
Heating Rated Current (A)	4.0/3.6	5.5/5.0	6.7/6.1	8.0/7.2	9.2/8.3
COP (W/W)	3.55	3.23	3.20	3.22	3.11
HSPF2 (IV)	6.6	6.5	6.4	7.1	7.1
Heating Capacity Range (Btu/h)	6000-10400	6000-12700	7300-14800	11000-18700	11000-20800
Electric Heat Capacity (Btu/h)	9400/11600	9400/11600	13900/17000	13900/17000	20000/24500
Electric Heat Input (W)	2880/3500	2870/3490	4190/5100	4290/5200	6090/7400
Electric Heat Current (A)	14.1/15.5	14.1/15.5	20.2/22.2	20.6/22.6	29.3/32.2
Chassis Heat Input (W)	100	100	100	100	100
Chassis Heat Current (A)	0.43	0.43	0.43	0.43	0.43

## Dimensions & Sound Levels

Model	PVTA-09/12/15	PVPA-18/22
Unit Dimensions (W×D×H, in)	23.11×23.11×29.33	22.68×24.21×47.17
Package Dimensions (in)	25×26.18×32.09	26.97×26.97×50.87
Sound Pressure (dB)	52-61	55-67