

Ramsond

Sensible Solution

PTAC CPS-HP



Light Commercial Residential



Heat Pump

9000 BTU TO 15000 BTU



Dual Control

Up to 5 k
Back up Heat Strip



WWW.RAMSOND.COM

866-777-7071

Key PTAC Components



INVERTER PTAC



Features

High Energy Efficiency

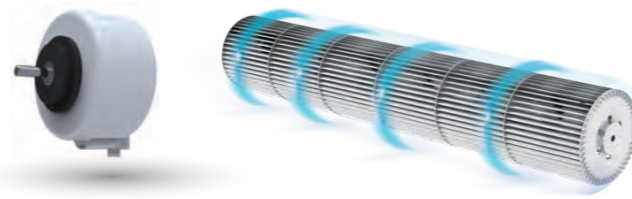
- Efficient refrigeration design with EER up to 11.7 and COP up to 3.6, meeting the latest AHRI standard and DOE requirement.



DOE LISTED

Silent Design

- Optimized air discharge channel design
Specialized blower wheel, bigger diameter $\Phi 120 \times 700\text{mm}$, lower rotational speed, all contributing lower noise level. Indoor noise level (L/H) can be low to 42/50 dB(A).
- Efficient rotary compressor
Mounted with vibration isolators to keep the compressor running smoothly and quietly.



Room Freeze Protection

When indoor room temperature has fallen to 50 °F, the unit will cycle on the fan and run electric heating mode to raise the room temperature to 55 °F.

Self Diagnostics

Our units have function of auto error check, and error code will be shown on the electric display.

Easy Installation And Maintenances

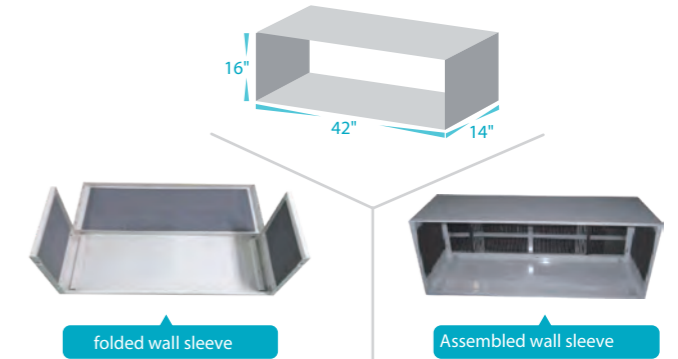
Indoor and outdoor sub assembly structure, integral type chassis structure, whole form air discharge channel, as well as sealed box make installation and maintenance more convenient. Nylon mesh filter is easily dismantled and a filter bag can be put in front of it if you need.



INVERTER PTAC

Wall Sleeve

- All our wall sleeves have industry standard dimensions of 42" wide X 16" high. The 14" depth is the industry standard. Sleeves may be shipped separately to allow for installation during construction.

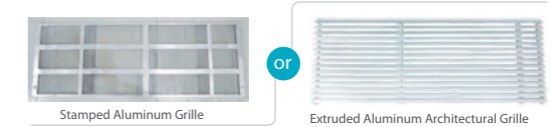


folded wall sleeve

Assembled wall sleeve

Outdoor grille

- Stamped or extruded aluminum grille are available, which can be used with wall sleeves.



Stamped Aluminum Grille

Extruded Aluminum Architectural Grille

Architctural grill(Optional)	Basic size (WxH)	Adjustment size on width	Color
Specification	42" x 15.5"	From 42" to 52"	Oxidation Metallic color

Condensate Drain Kit (Optional)

- Attached to the wall sleeve base bar to control the disposal of condensate water.



Instant Heat Mode

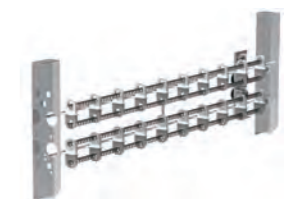
The heat pump model will automatically run the electric heater when the power is initially turned on to quickly heat up the room, and then return to the heat pump mode.

Factory Run-test

A series of tests will be carried out before shipment to reduce problems during use.

Standard E-heater

E-Heater	3.0kW	3.6kW	5.0kW
Model	Fixed	Inverter	Fixed&Inverter
Series	7/9/12K	9/12K	15K



INVERTER PTAC

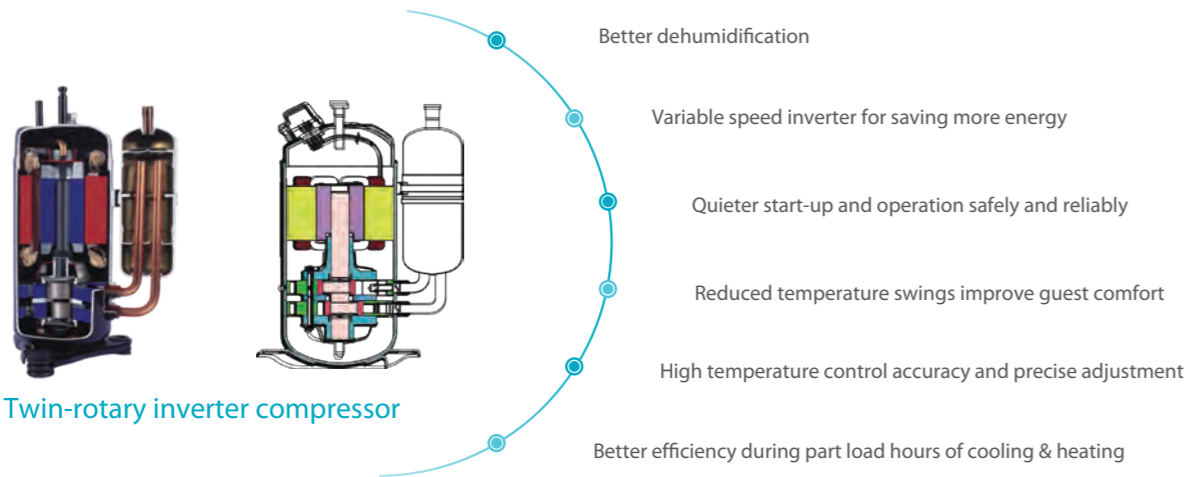
The Widest Cooling & Heating Range With Three Models

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

- 9K Model**
 Can operate as low as 5250 Btu/h and as high as 11900 Btu/h.
- 12K Model**
 Can operate as low as 5300 Btu/h and as high as 14300 Btu/h.
- 15K Model**
 Can operate as low as 7000 Btu/h and as high as 17140 Btu/h.



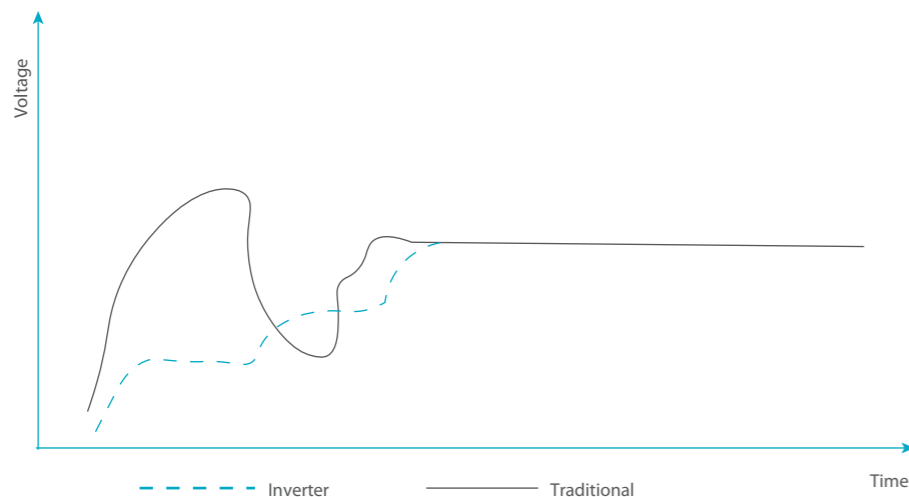
High Efficiency DC Inverter Mitsubishi Rotary Compressor



Twin-rotary inverter compressor

Low Starting Current

Lower starting current, reduce the impact on the power grid, safer and more reliable than traditional ones.



INVERTER PTAC

Inverter PTAC Delivers Best-in-class Efficiencies And Low Sound Levels:

Inverter units with inverter compressors deliver equivalent EER up to 11.7, IEER up to 18.64, application HSPF up to 11.57; and many advantages over traditional PTACs.

Inverter C-Series PTAC	TRADITIONAL PTAC
<ul style="list-style-type: none"> FASTER TO SETPOINT At initial startup, utilizes variable capacity to quickly reach the set temperature. 	<ul style="list-style-type: none"> At initial startup, a fixed capacity system slowly reaches the set temperature.
<ul style="list-style-type: none"> MAXIMUM ENERGY SAVINGS Reduces capacity as set temperature is achieved. 	<ul style="list-style-type: none"> Complete shutdown once set temperature is achieved.
<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Temperature within the space rises until 2nd system start up. System works at full capacity to again reach the set temperature. System cycles on/off continuously to maintain the set temperature.
<ul style="list-style-type: none"> STRONGER HEATING IN LOW TEMPERATURE When the ambient temperature is very low and frost is formed, the high frequency operation greatly reduces the defrosting time and improves the comfort. 	<ul style="list-style-type: none"> The fixed-frequency unit has average low-temperature heating capacity, longer defrosting time.

Specification

Inverter Efficiency C Series Heat Pump With Electric Heater 208-230V/60Hz R410A

Model	R-CPS-09HP-2K-230V	R-CPS-12HP-3K-230V	R-CPS-15HP-5K-230V
Power supply	208~230/1/60	208~230/1/60	208~230/1/60
Cooling	Capacity	9600/9400	12200/12000
	Power input	820/800	1065/1045
	EER	11.7/11.7	11.5/11.5
	IEER	18.64	17.74
Heating	Capacity range	5250-11900	5300-14300
	Capacity	8800/8500	11900/11800
	Power input	720/695	970/960
	COP	3.58/3.58	3.60/3.60
Indoor side performance	Capacity range	4070-11570	4140-13100
	Air flow	400/290	470/360
	Noise level	50/42	52/46
	Optional E-heater	2.0/2.5/3.0	2.0/2.5/3.0/(3+2)
			2.0/2.5/3.0/3.6/(3+2)
Compressor brand	MITSUBISHI	MITSUBISHI	MITSUBISHI
Net dimension	42x21x16	42x21x16	42x21x16
Packing dimension	45x25x19	45x25x19	45x25x19
Net weight	106	108	108
Gross weight	119	121	121
Refrigerant	840/29.6	910/32.1	970/34.2
Qty' per 20'/40'/40'/HQ	72/152/190	72/152/190	72/152/190