

# Worlds Most Efficient Hotel Room Air Conditioner

PTAC (PTHP) Packaged Terminal Air Conditioner Heat Pump

**Save 35-40% or more in electricity usage**

**Features:**

- Δ 35-40% Less Electricity Cost
- Δ Highest Efficiency of Any PTAC
- Δ Hi-SEER DC Inverter Compressor
- Δ Cools, Heats & Dehumidifies
- Δ No Drain Needed
- Δ Whisper Quiet & Long-Lasting
- Δ 5-Year Limited Warranty
- Δ Digital Remote Control Options
- Δ Wireless-Ready
- Δ Eco-Friendly R410a Refrigerant
- Δ .99 Power Factor (Fairchild PFC)
- Δ No Starting Power Surge
- Δ EER >12
- Δ SEER>17\*
- Δ HSPF >7.6

**Additional Features:**

- Δ Perfect for All Types of Hotels
- Δ Ideal for Home/Small Office
- Δ Industry Standard 42" Size
- Δ Dehumidification 1.2 Liters /Hour
- Δ Strong Air Flow – Compare!
- Δ Plug-N-Play 208-240v Power
- Δ Outdoor Air Ventilation Control

**DC Inverter Compressor:**

This is the most efficient, longest lasting type of compressor made today and is found in most high-end air conditioners. Compressor by Mitsubishi with 5 year warranty.

**No Drain Needed:**

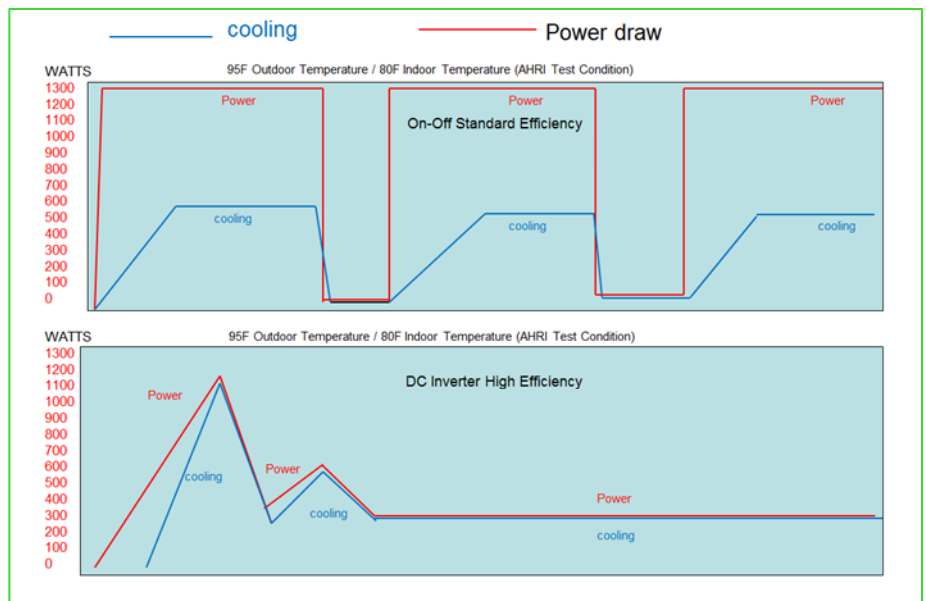
The ARAMA PTAC can remove a huge amount of water from the air, and it evaporates the condensate water to the outdoors.



**ARAMA is the worlds most efficient PTAC/PTHP heat pump air conditioner, saving 35-40% or more in operating power costs while running quieter and lasting much longer than any other PTAC.**

**The ARAMA DC Inverter AC unit can speed up or slow down to precisely match the cooling load and avoid wasteful on-off cycling. The ARAMA PTAC/PTHP is always exactly the right size for the job.**

**This variable capacity brushless, permanent magnet DC Inverter compressor unit uses much less power, which will be very evident on your power bill. The power consumption charts below compare a DC Inverter variable speed unit to a standard unit.**

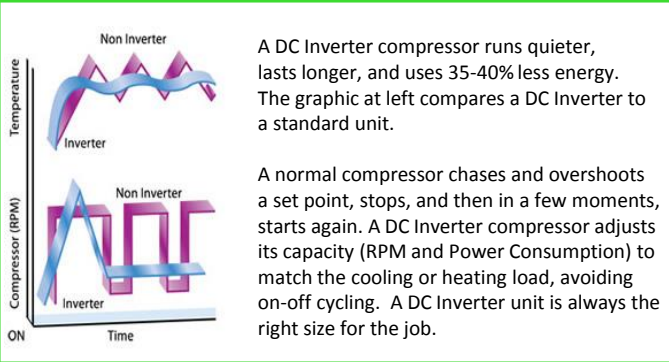


North American Distribution, Warranty & Service:

HotSpot Energy Inc.  
 Chesapeake VA 23320  
 (757) 410-8640

# Worlds Most Efficient Hotel Room Air Conditioner

Cut your annual cooling and heating costs by up to 40%



## EASY TO SERVICE

Designed for long trouble-free service, if the unit ever needs service it allows for easy access, with easy to swap components. This makes for low cost, rapid servicing and improved up-time.

Model Name		APTHP7000	APTHP9000	APTHP12000	APTHP15000
Power supply	V/Ph/Hz	208/230V/1/60	208/230V/1/60	208/230V/1/60	208/230V/1/60
Cooling	Capacity	Btu/h 7,000	9,300	12,000	14,400
	EER	Btu/wh 12.07	11.34	11.07	10.65
	Power input	W 625	820	1100	1420
	Rated current	A 3.17	4.09	5.29	6.83
Heating	Capacity	Btu/h 7096	8530	11000	14330
	COP	W/W 3.44	3.26	3.38	3.04
	Power input	W 615	760	1020	1415
	Rated current	A 3.11	3.78	4.91	6.81
Electric Heater	Power	W 230V 2/3/3.6kW	230V 2/3kW	230V 2/3/5kW	230V 2/3/5kW
	Btu/h	6,824/10,236/12,283	6,824/10,236/12,283	6,824/10,236/17,060	6824/10,236/17,060
Moisture Removal	l/h	0.3	0.5	1.2	1.5
Max. input consumption	W	1207	1207	1760	1760
	A	6.3	6.3	8.9	8.9
Indoor air flow (Hi/Lo)	CFM	352/323	352/323	405/333	405/333
Indoor noise level (Hi/Lo)	dB(A)	43/35	43/35	44/36	44/36
Outdoor coil	Number of row	3	3	3	3
	Fin spacing	mm 1.6mm	1.6mm	1.6mm	1.6mm
	Fin material	Hydrophilic Aluminum	Hydrophilic Aluminum	Hydrophilic Aluminum	Hydrophilic Aluminum
	Tube outside diameter	mm φ7	φ7	φ7	φ7
	Tube material	φ7×0.24×0.18×C	φ7×0.24×0.18×C	φ7×0.24×0.18×C	φ7×0.24×0.18×C
Coil width x height x depth	mm 40.11x335x679.4	40.11x335x679.4	40.11x335x679.4	40.11x335x679.4	
Number of circuit	4	4	4	4	
Compressor	Brand	MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI
	Type	Rotary	Rotary	Rotary	Rotary
Outdoor Fan	Input	W 135	135	135	135
	Capacitor	uF 3	3	3	3
	Speed (H/L)	rpm 1600	1600	1600	1600
Outdoor noise level	dB(A)	68	68	68	68
Net dimension (W×H×D)	mm	1066*535*408	1066*535*408	1066*535*408	1066*535*408
	LBS	99	108	110	112
Unit weight	Gross	LBS 112	121	123	126
	Type	R410A	R410A	R410A	R410A
Refrigerant	Charge	g 760	760	950	950
	Operation range	Set Point F 62-89	62-89	62-89	62-89
Ambient Temperature Range	F	19-115	19-115	19-115	19-115

## Control Options



Standard Built-In Unit Control Panel



Wired Wall Mount Controller



Wireless Wall Mount Controller



Hand-held remote option for home users

Occupancy Sensor & Front Desk Control Options Available

\*The ARAMA Packaged Terminal Air Conditioner/Heat Pump uses an advanced Mitsubishi DC Inverter compressor among other innovations not found in standard PTAC/PTHP units. This is the same type compressor found in High-SEER mini-split air conditioners with ratings >29 SEER. There is no official SEER standard for PTAC units, however ARAMA units efficiency compares to a SEER 17 central AC unit in performance and electrical consumption.

The ARAMA units are available in various sizes to fit hotel rooms, homes, or office space. Available in sizes: 7,000 BTU, 9,300 BTU, 12,000 BTU and 14,400 BTU. All units have built-in, controllable fresh air to satisfy OSHA or other requirements.

The ARAMA DC Inverter PTAC/PTHP is certified by the DOE (US Department of Energy). No PTAC/PTHP has ever achieved a higher DOE efficiency rating.

PTAC units are typically installed in rooms that have an exterior wall, they are also known as through-wall units. It is a self-contained unit that can be installed by a home owner or building maintenance person, since no HVAC license is needed. Because there are no duct losses, an ultra-high efficiency PTAC such as ARAMA is less costly to operate than a typical ducted central system. This is not the case however, with all PTACs. Most PTAC units have low efficiency (and high noise levels) similar to that of a window unit. Not so with the ARAMA DC Inverter PTAC/PTHP units which are nearly silent thanks to the DC motor, and are 35-40% more efficient than any PTAC/PTHP using a standard compressor.

Because a PTAC is used on a room-by-room basis, you only use the amount of energy that is needed for that room, at that time. Optional occupancy sensors can make sure the unit is only running when people are present, and all ARAMA units can be controlled from a central location such as a front desk or building automation system.