Worlds Most Efficient Hotel Room Air Conditioner

PTAC (PTHP) Packaged Terminal Air Conditioner Heat Pump

Up to SEER 17.2 Save 35-40% or more in electricity usage

Features:

- Δ Up to SEER 17.2
- Δ COP Up To 3.9
- Δ 35-40% Less Electricity Cost
- Δ Whisper Quiet & Long-Lasting
- Δ Variable Speed Compressor
- Δ Highest Efficiency of Any PTAC
- Δ Cools, Heats & Dehumidifies
- Δ 5-Year Limited Warranty
- Δ Digital Remote Control Options
- Δ Wireless-Ready
- Δ Eco-Friendly R32 Refrigerant
- Δ No Starting Power Surge
- Δ Perfect for All Types of Hotels
- Δ Ideal for Home/Small Office
- Δ Industry Standard 16" x 42" Size
- Δ Dehumidification 1.2 Liters /Hour
- Δ Strong Air Flow – Compare!
- Δ Plug-N-Play 208-240v Power
- Δ Outdoor Air Ventilation Option

DC Inverter Compressor:

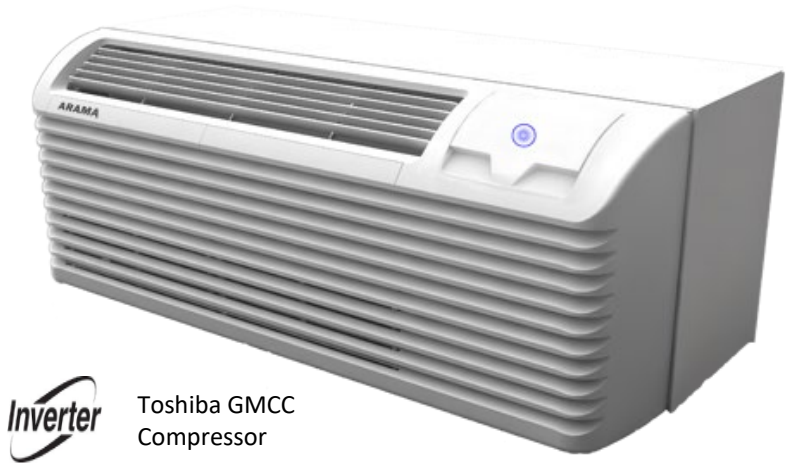
This is the most efficient, longest lasting type of compressor made today and is found in most high-end air conditioners. Compressor has a 5 year Limited Warranty.

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. Drain line needed for defrost (heating operation).

North American Distribution, Warranty & Service:

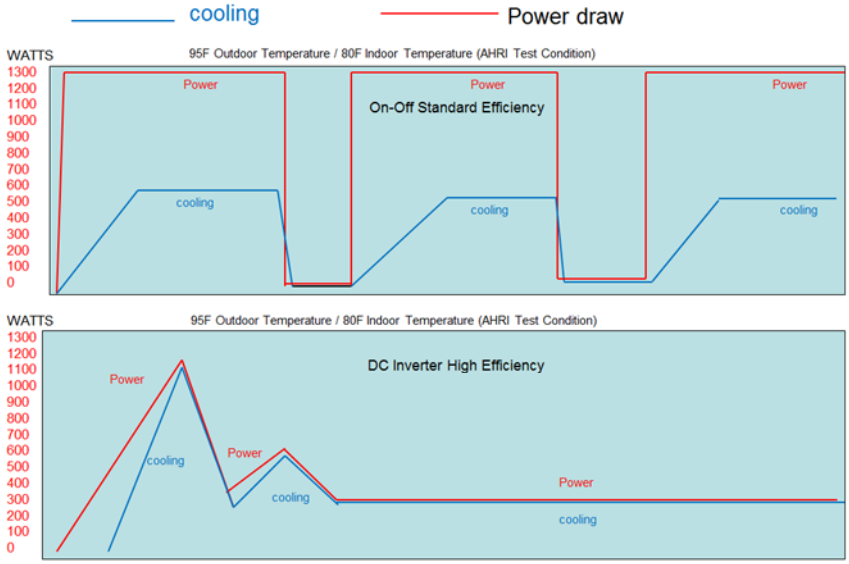
HotSpot Energy Inc.
Chesapeake VA 23320
(757) 410-8640



***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.

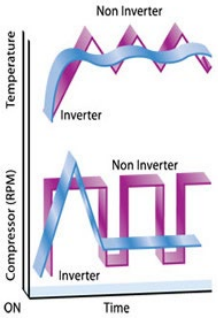
This variable capacity brushless, permanent magnet DC Inverter compressor unit uses much less power, which will be very evident on your power bill. The power consumption charts below compare a DC Inverter variable speed unit to a standard unit.



ARAMA PTAC (PTHP)

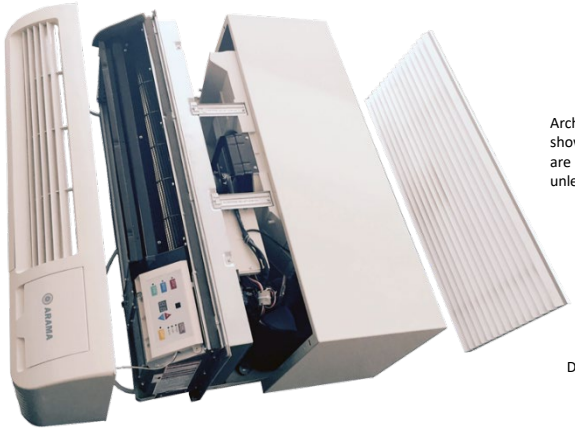
Worlds Most Efficient Hotel Room Air Conditioner

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



A DC Inverter compressor runs quieter, lasts longer, and uses 35-40% less energy. The graphic at left compares a DC Inverter to a standard unit.

A normal compressor chases and overshoots a set point, stops, and then in a few moments, starts again. A DC Inverter compressor adjusts its capacity (RPM and Power Consumption) to match the cooling or heating load, avoiding on-off cycling. A DC Inverter unit is always the right size for the job.



Architectural horizontal grill shown below. All grills and sleeves are optional and not included unless ordered.

DC Inverter Compressor
5 year Warranty

Optional Architectural Grill & Sleeve (42”*16”)

*The *ARAMA* Packaged Terminal Air Conditioner/Heat Pump uses an advanced Toshiba GMCC 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 >30 SEER. Effective 2026, there is now an official SEER standard for PTAC units, and *ARAMA* leads the way with up to SEER 17.2 for the ultimate in performance and electrical consumption.

The *ARAMA* units are available in various sizes to fit hotel rooms, homes, or office space. Available in three sizes: 9,000 BTU, 12,000 BTU and 15,000 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. AHRI Certified. UL60335-2-40

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 homeowner or building maintenance person, since no HVAC license is needed. No duct losses, and zoning that can be at the room-level, and because of the Inverter compressor, an ultra-high efficiency PTAC such as *ARAMA* with SEER up to 17.2 may be less costly to operate than a high efficiency ducted central system. This is not the case however, with all PTACs. Most PTAC units have lower efficiency (and high noise levels) similar to that of a window unit. Not so with the *ARAMA* DC Inverter PTHP units which are very quiet thanks to the DC motor, and are 35-40% more efficient than any PTAC/ PTHP using a standard compressor. Note about heating: the compressor will handle heating down to 32F. Below that, backup heat is used.

Arama Model			PTHP3209/ PTHP3209B	PTHP3212/PTHP3212B	PTHP3215/3215B
Power Supply		V-Ph-Hz	230/208V/1Ph/60Hz	230/208V/1Ph/60Hz	230/208V/1Ph/60Hz
Cooling	Capacity	Btu/h	10000/10000	12100/12100	14800/14800
	Input	W	770/770	980/980	1340/1340
	EER	Btu/wH	13.0/13.0	12.4/12.4	11.1/11.1
	SEER	Btu/wH	17.2	16.7	16.3
	Capacity range	Btu/h	5250-12800	5300-14600	7000-15200
Heating	Capacity	Btu/h	8500/8500	11900/11900	13700/13700
	Input	W	640/640	920/920	1150/1150
	COP	W/W	3.9/3.9	3.8/3.8	3.5/3.5
	Capacity range	Btu/h	4070-10600	4140-13600	6600-14000
Electric Backup	Capacity	Btu/h	11500/17060 (B)	11500/17060 (B)	11500/17060 (B)
Heater	Input (230/208V)	W	3440/2820	3440/2820	3440/2820
Max. Power (Backup Off)		W	1020	1230	1620
Max. Power (Backup Off)		A	6.2	7.3	9.3
Max. Power Backup / Compressor Off		W	3440	3440	3440
Max. Current Backup / C0mpressor Off		A	15	15	15
Minimum Circuit Ampacity		A	19.8	19.8	19.8
Maximum Fuse		A	20	20	20
LCDI Cord		A	20	20	20
Compressor	Type		Twin-Rotary	Twin-Rotary	Twin-Rotary
	Brand		Toshiba-GMCC	Toshiba-GMCC	Toshiba-GMCC
	Refrigerant Oil	ml	280	280	280
Indoor coil	Number of rows		2	3	3
	Fin spacing	mm	1.4	1.6	1.6
	Fin type (code)		Hydrophilic Fin	Hydrophilic Fin	Hydrophilic Fin
Indoor air flow (Hi/Lo)		CFM	420/290	450/360	450/360
Indoor Sound Level		dB(A)	53/50	54/52	54/52
Outdoor Coil	Number of rows		3	3	3
	Fin spacing	mm	1.5	1.5	1.5
	Fin type (code)		Hydrophilic Fin	Hydrophilic Fin	Hydrophilic Fin
Outdoor air flow		CFM	683	753	753
Outndoor sound level(sound pressure level)		dB(A)	67	68	68
Unit	Dimension(W*H*D)	mm	42"*16"*21.4	42"*16"*21.4	42"*16"*21.4
	Packing (W*H*D)	mm	1150*480*630	1150*480*630	1150*480*630
	Gross/Net Weight	Lbs.	45.3*18.9"*24.8	45.3*18.9"*24.8	45.3*18.9"*24.8
Charged refrigerant type	R32	Oz.	24.3	27.2	30
Outdoor Operation Temperature Rrange	Cooling	°F	54-118	54-118	54-118
	Heating (Compressor)	°F	32-82	32-82	32-82

All images are representative. Specs subject to change. Revised 2-2026.

AHRI 310/380
UL 60335-2-40 /CSA 22.2

Intertek RoHS COMPLIANT AHRI CERTIFIED www.ahridirectory.org Packaged Terminal AC AHRI Standard 310/380 ARAMA