CALM I42 SERIES

Packaged Terminal Air Conditioner

Sleeve Size: Industry Standard 16" X 42"

Applied Comforts Calm I42 Series uses cutting edge inverter technology that significantly reduces energy consumption, and operational noise while delivering superior dehumidification performance compared to conventional non-inverter PTAC units. This advanced system dynamically adjusts compressor speed for precise temperature control and enhanced efficiency, setting a new benchmark for energy savings and occupant comfort in the HVAC industry.

While published EER ratings may be comparable to other PTACs, laboratory tests reflecting real-world conditions demonstrate that the Applied Comfort i42 can achieve up to a 30% reduction in energy consumption compared to traditional PTAC units. This significant energy savings and noise reduction are achieved by dynamically modulating the units output to align with the rooms cooling or heating demands, effectively eliminating the inefficiencies and noise associated with traditional compressor cycling.

This inverter technology is a pioneering advancement not found in most other PTAC units, yet seamlessly fits into the industry standard sleeve size of 16"x 42".

1st year parts and labor.
2nd to 6th year sealed system parts.
Free shipping on warranty parts.
(Canada & Continental States)
Additional extended warranty for purchase.

Distributed by:

Features & Benefits

Easy to Configure
Dipswitches and simple LED touchpad controls make versatile chassis easy to configure to specific applications.

Room Freeze Protection
Automatically maintains room temperature above freezing.

Front Desk Ready
Front desk control through 24V control protocol.

Fan Cycle Control
Select continuous fan or fan cycling.

Electronic Temperature Limiting
Flexible heating and cooling range limits.

Filtered Fresh Air Intake
By concealed manual control.

Random Compressor Restart
Prevent power surges after power outages.

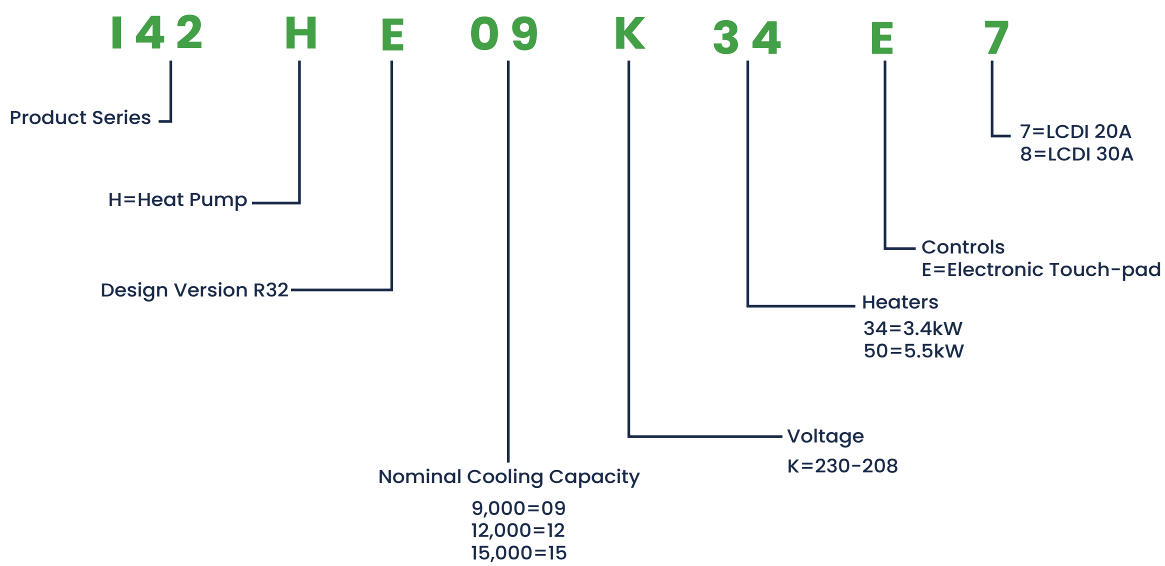
Electronic Defrost Control
More run time in the heat pump mode.

Highest Efficiency
In real-world conditions the modulating inverter chassis means that the inefficient start/stop of the compressor is eliminated.

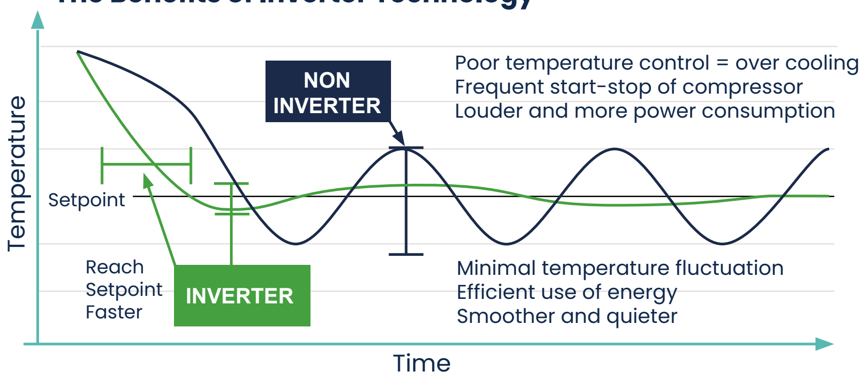
Consistent Dehumidification
Modulating inverter technology ensures a cold condensing evaporator coil in part-load to keep comfortable humidity levels, eliminating clamminess in humid conditions.

Incredibly Quiet
Inverter compressor, condenser fan, and evaporator fan slow to match cooling and heating demand of room, reducing operating sound levels.

Elimination of compressor start/stop means the room is much quieter in part-load conditions.



The Benefits of Inverter Technology



Non-inverter system

Run the compressor at full RPM or zero RPM (on or off) – the on/off compressor cycling in part load conditions wastes substantial amounts of electric power.

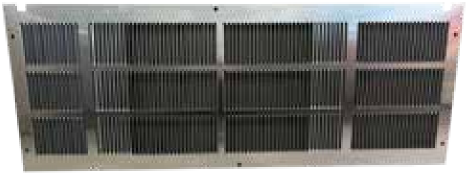
Inverter system

Slow the compressor RPM to more closely match the part-load cooling or heating power required – a substantial reduction in power consumption occurs.

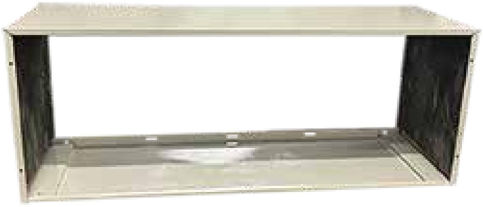
Accessories:

- Electrical sub-base
- Duct Kit
- Drain Kit
- Sleeve
- Sub-base
- Grille

ACC42AAGRILLE



ACC42SAGRILLE



ACC42SLEEVE

ACC42SUBBASE1520

I42 Inverter Heatpump (230V and 208V)

Model #	i42HE09K34E7	i42HE09K50E8	i42HE12K34E7	i42HE12K50E8	i42HE15K34E7	i42HE15K50E8
LCDI Plug	NEMA #6-20P 20 AMP	NEMA #6-30P 30 AMP	NEMA #6-20P 20 AMP	NEMA #6-30P 30 AMP	NEMA #6-20P 20 AMP	NEMA #6-30P 30 AMP
Cooling BTU Operating Range	10000/10000	10000/10000	12100-12100	12100/12100	14800/14800	14800/14800
EER Range (**)	13.0/13.0	13.0/13.0	12.4/12.4	12.4/12.4	11.1/11.1	11.1/11.1
Dehimid. Pts/Hr	1.31/1.69	1.31/1.69	2.32/2.56	2.32/2.56	4.29/4.44	4.29/4.44
Min. Circuit Amps(Cooling)	19.8	19.8	19.8	19.8	19.8	19.8
Reverse-Cycle Heating BTUH**	8500/8500	8500/8500	11900/11900	11900/11900	13700/13700	13700/13700
COP	3.9/3.9	3.9/3.9	3.8/3.8	3.8/3.8	3.8/3.8	3.8/3.8
Heat Pump Watts**	640/640	640/640	920/920	920/920	1150/1150	1150/1150
Backup Electrical Heat kW	3.4	5.0	3.4	5.0	3.4	5.0
Airflow CFM H/L	420/290	420/290	450/360	450/360	450/360	450/360
Indoor Sound dB(A)(Hi/Lo)	53/50	53/50	54/52	54/52	54/52	54/52
Outdoor Sound dB(A)	67	68	68	68	68	68
Net Wt lbs	110	110	112	112	112	112

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