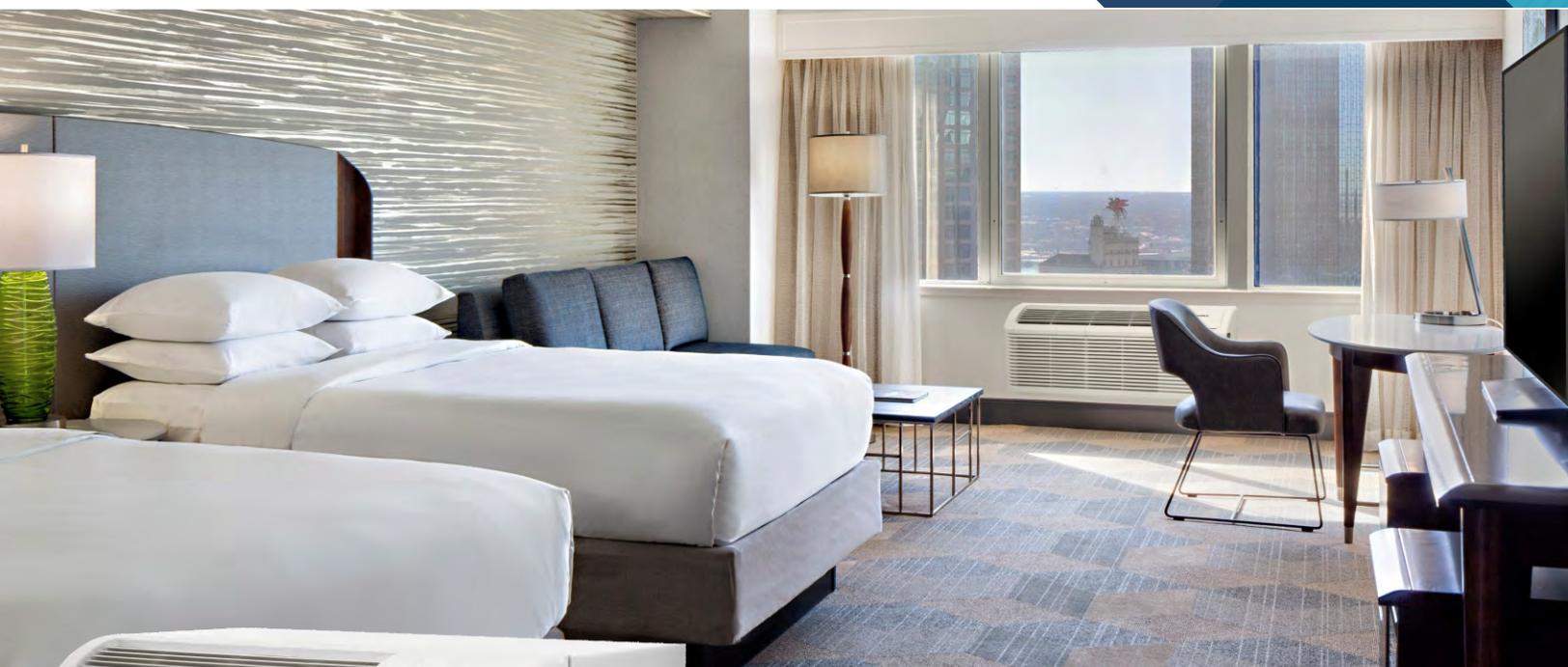# Packaged Terminal Air Conditioners & Heat Pump

KLIMAIRE ®

PTAC and PTHP
Provide Alll-in-One Zoned Cooling & Heating Solution

New PTAC models are much more energy efficient than outdated ones. With room heating and cooling costs contributing as much as 70 percent of a property's energy costs, hoteliers should choose models with a high efficiency rating to lower those costs.

- Auto re-start memory function
- Fresh air intake
- Compressor re-start delay protection
- Anti-freeze protection
- Fits into standard 42″ x 16″ wall sleeve.
- Power cord with reset current detection device
- Built-in receiver for an optional wireless remote

Comfort Command

Klimaire PTAC and PTAH units are the economical way to cool and heat your room, easy to install and maintain for years of satisfactory use.

Every unit is built with last generation push button control panel on the right hand side of the unit.

Control panel has LED indicators and push buttons for MODE, FAN, POWER and set points UP and DOWN. The control can display the temperature either in °F or °C. PTAC-KC / PTHP-KC / PTAH-KC control panel is designed for simple operation. Controls are easy to read, understand, and activate by the help of LED lights showing current status.

EXCEPTIONALLY QUIET OPERATION – SEPARATE OUTDOOR AND INDOR MOTORS
Improved larger diameter indoor tangential fan wheel provides uniform and silent air flow, along with the dual motor configuration contribute to lower noise level for quiet environment.

DIGITAL DISPLAY CONTROL
Every unit is built with standard push button controls and LED display to show the set temperature and operational codes.

EASY TO CLEAN FILTER
Pull out long life washable polypropylene dust collector filter offers effective air filtration and is easy to clean without opening the intake front panel for easy maintenance.

Pro1 Wireless
PRO1® IAQ low voltage thermostat has an easy-to-read display with blue backlight and a glow-in-the-dark light button. Model also features separate heating and cooling swing (cycle rate) adjustments.

Klimaire Universal Wireless Motion Remote Control
Klimaire KUMR-903, Universal Motion Remote with motion sensor, programmable for unparalleled energy savings up to 60% in the operation of any air-conditioning system that incorporates a built-in remote-control

REMOTE CONTROL
Your unit is equipped with built-in receiver for an optional wireless remote control for convenience and added comfort.

FRESH AIR INTAKE
An adjustable damper allows fresh air into the living space for a cleaner and fresher room environment comfort. A polypropylene c mesh filter prevents air borne pollutants into living space and easy to clean using mild soap and water, and is suitable and prefer for hospitality, assisted living and residential applications.

POWER CORD
Factory supplied power cord with 3-prong grounding plug and current detection device and circuit interrupter and manual reset.

CONVENIENT & RELIABLE ELECTRONIC CONTROLS
Saves money by controlling the lowest and the highest temperature by adjusting the set dip switches settings, there are several options to control your Klimaire units, by adding a standard wall thermostat, a wireless remote control, or from the front office.

INDUSTRY STANDARD
Wall sleeve, hence it makes installation easy, economical and quick, either for replacement of existing units or for new construction.

STYLISH SLIM DESIGN
7"-3/4 front depths enhances valuable room space with this sleek unit front.

FRONT OFFICE CONTROL
To efficiently manage all of the rooms at the front desk for energy savings via dip switch configuration.

CONDENSATE DISPERSION SLINGER
The condensate water from indoor is thrown directly onto the condenser coil for rapid evaporation an increased cooling efficiency, reducing the volume of condensate to drain.

Standard Features

- **Energy Efficiency.**
  Up to 12.8 EER and up to 3.8 COP may qualify your unit for special rebates offered by local electrical power companies.

- **Higher dehumidification capacity.**
  Keep low the humidity level in your room without needing expensive accessories, making your guests more comfortable at higher temperatures and reducing your cooling costs.

- **2-year Parts Warranty - 5-year Compressor Warranty.**
  One of the best industry warranties: First 2 years parts and labor. Third thru Fifth year compressor warranty.

- **Completely Tested.**
  Klimaire units are thoroughly tested at the factory to verify the components and performance of the final product adheres to our higher quality standards.

- **Easily removable filters.**
  The filters of the Klimaire units are easily pulled-out for cleaning and washing.

- **Slim front depth.**
  The unit has a slim front which reduces space occupation and allows more space in the for the guest comfort.

- **Good Compatibility.**
  KC Series is compatible to the most of existing PTAC wall sleeve, which can be convenient for replacement demands.

- **Easy Service with LED Diagnostic.**
  Panel LED Screen display error codes for quick diagnostic and no guessing to determine the problem.

- **Customization by Dip Switches.**
  - Dual Fan operations select between constant or cycle ON/OFF operation indepedly for cooling and heating mode.

  - Setpoint Operation Temperature Limits. Manage Energy Consumption and save by restricting range of temperature control.

Features Reliable & Durable

Auto Quick Warm up (Heat Pump Models)
The auxiliary heater is activated when the temperature falls below 8°F of the set point for quick warm up.

Anti-Freezing Protection
Effectively prevent evaporator from freezing to prolong product life.

Random Compressor Restart
Protects electrical systems from overload when power is restored, with 8 minute delay. This feature extends the over all life of the compressor.

Improved Electronic Defrost Control
Prevent freeze in low temperature.

Anti-Corrosion Design
Galvanized zinc-coated steel wall sleeve and stainless steel end plates protects the surface from corrosion.

Gold fin can withstands the erosion of destructive elements when it enters into the inside of body.

24V Thermostat Compatible

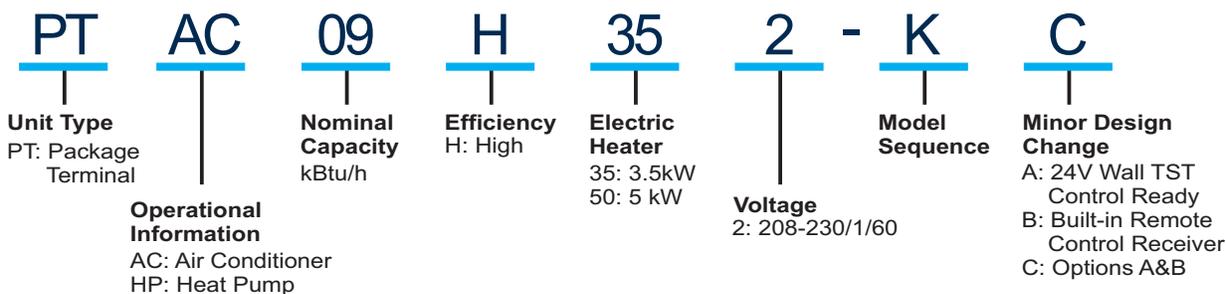**Front Desk Reserved Port**
Allows hotel owners to control units from a central location.

Memory Auto Restart
The unit memories operation settings when there is a power outage; it will restart with previous setting once the power is re-established.

Model Code

PT AC 09 H 35 2 - K C

Unit Type
PT: Package Terminal

Operational Information
AC: Air Conditioner
HP: Heat Pump

Nominal Capacity
kBtu/h

Efficiency
H: High

Electric Heater
35: 3.5kW
50: 5 kW

Voltage
2: 208-230/1/60

Model Sequence

Minor Design Change
A: 24V Wall TST Control Ready
B: Built-in Remote Control Receiver
C: Options A&B

- All models with supplementary Electric Heater
- Last generation technologies in temperature and humidity control
- Effective air filtration
- Easy cleaning Lifetime filters design
- Ultra quiet operation

Sizes and compatibility:

Sizes according with international standards.
Klimaire PTAC units can be installed in any standard
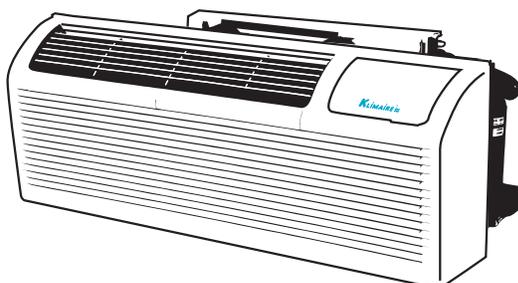42" W x 16" H wall sleeve.

42"

23"

16

15" 1/4

7" 3/4

23"
(with grill)
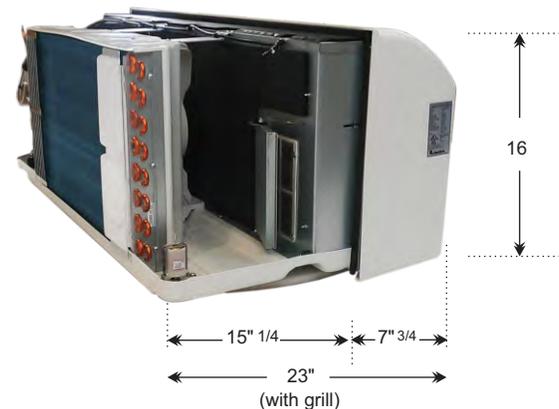
Specs - PTAC-KC Series - Air Conditioner

Klimaire Model Number			PTAC09H352-KC	PTAC12H352-KC	PTAC15H352-KC	PTAC15H502-KC
MPN			MWIUP-09EEN1-ML8	MWIUP-12EEN1-MK6	MWIUP-15EEN1-MJ6	MWIUP-15EEN1-MJ6
Power supply	Voltage	V/ph/Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
Cooling	Capacity	Btu/h	8800/8500	12000/11800	14700/14500	14700/14500
	Power Input	W	690/665	1035/1020	1390/1370	1390/1370
	Current	A	3.0/3.20	4.50/4.89	6.03/6.58	6.03/6.58
	EER	Btu/h/W	12,8	11,6	10,6	10,6
Heating (PTC)	Capacity	Btu/h	10900/8900	10900/8900	10900/8900	15000/12200
	Input power	W	3535.5/2897	3535/2900	3535/2900	4702/3794
	Current	A	15.3/13.7	15.3/13.7	15.3/13.7	20.4/18.24
Heater		kW	3,5	3,5	3,5	5,0
Starting current		A	47,1	47,1	47,1	66
Min. Circuit ampacity		A	20	20	20	30
Moisture removal	Hi /Me / Lo	pint/h	0.89 / 1.12 / 1.27	2.94 / 3.06 / 3.19	4.50 / 4.52 / 4.59	4.50 / 4.52 / 4.59
Compressor	Type	/	ROTARY	ROTARY	ROTARY	ROTARY
	Capacity	W	2280	3510/3560	4000	4000
	Power Input	W	563	822/835	1310	1310
	Rated current	A	2,7	3.90/3.52	6,35	6,35
	LRA (Locked rotor amp)	A	17	27	34,5	34,5
	Capacitor	µF	20	35	35	35
Indoor Fan motor	Input power	W	37	37	37	37
	Speed(Hi/Mi/Lo)	rpm	1100/1020/930	1100/1010/880	1100/1010/880	1100/1010/880
	Capacitor	µF	1	1	1	1
Outdoor Fan motor	Input power	W	71	87	87	87
	Speed(Hi/Mi/Lo)	rpm	1340	1590	1590	1590
	Capacitor	µF	3	3	3	3
Indoor side air flow	Hi / Mi / Lo	cfm	378 / 346 / 311	360 / 341 / 311	374 / 347 / 313	374 / 347 / 313
Indoor sound pressure level	Hi / Mi / Lo	dB(A)	51 / 48.5 / 47.5	52.5 / 52 / 51.5	51.4 / 50.5 / 50.1	51.4 / 50.5 / 50.1
Outdoor sound pressure level	Hi / Mi / Lo	dB(A)	63 / 62 / 62	66 / 66 / 66	65.3 / 65.3 / 65.1	65.3 / 65.3 / 65.1
Unit Dimensions	W x D x H	in	42 x 20.9 x 16	42 x 20.9 x 16	42 x 20.9 x 16	42 x 20.9 x 16
Packing Dimensions	W x D x H	in	44.1 x 25.2 x 18.9	44,09	44,09	44,09
Weight	Net / Gros	lb	104.1 / 114.6	111.8 / 121.5	113.1 / 122.8	113.1 / 122.8
Refrigerant	Type / Charge	/ lb	R410A / 1.5	R410A / 1.6	R410A / 1.8	R410A / 1.8
Design pressure	Suction/ Discharge	psi	300 / 540	300 / 540	300 / 540	300 / 540
Electrical Plug	Type	/	LCDI(6-20P)	LCDI(6-20P)	LCDI(6-20P)	LCDI(6-30P)
	Power cord type	/	12#x3	12#x3	12#x3	12#x3
Control	Control type	/	Electronic Control	Electronic Control	Electronic Control	Electronic Control
Operation Temperatures	Indoor (Cooling / Heating)	°F	63 / 90 | 32 / 80	63 / 90 | 32 / 80	63 / 90 | 32 / 80	63 / 90 | 32 / 80
	Outdoor (Cooling / Heating)	°F	64 / 109 | 23 / 75	64 / 109	64 / 109	64 / 109
Application area	Applicable area (min / max)	sq.ft	129.2 / 193.8	172.2 / 247.6	215.3 / 312.2	215.3 / 312.2
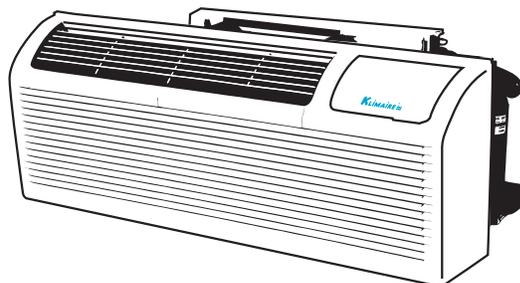
Specs - PTHP-KC Series - Air Conditioner & Heat Pump

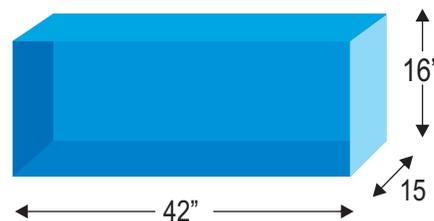| Klimaire Model Number			PTHP09H352-KC	PTHP12H352-KC	PTHP15H352-KC PTAH15H352-KC	PTHP15H502-KC
MPN			MWIUP-09AEN1-ML8	MWIUP-12AEN1-MK6	MWIUP-15AEN1-MJ6	MWIUP-15AEN1-MJ6
Power supply	Voltage	V/ph/Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
Cooling	Capacity	Btu/h	8800/8500	12000/11800	14700/14500	14700/14500
	Power Input	W	680/665	1035/1020	1390/1370	1390/1370
	Current	A	2.99/3.23	4.50/4.89	6.03/6.58	6.03/6.58
	EER	Btu/h/W	12,8	11,6	10,6	10,6
Heating (Heat pump)	Capacity	Btu/h	7800/7500	10800/10500	13500/13200	15000/12200
	Power Input	W	600/580	930/905	1237/1209	4769/3953
	Current	A	2.64/2.82	4.05/4.36	5.38/5.82	5.38/5.82
	COP	W/W	3,8	3,4	3,2	3,2
Heating (PTC)	Capacity	Btu/h	10900/8900	10900/8900	10900/8900	10900/8900
	Input power	W	3535.5/2897	3535/2900	3535/2900	4769/3953
	Current	A	15.3/13.7	15.3/13.7	15.3/13.7	22/19.7
Heater		kW	3,5	3,5	3,5	5
Starting current		A	47,1	47,1	47,1	66
Min. Circuit ampacity		A	20	20	20	30
Moisture removal	Hi / Me / Lo	pint/h	0.89 / 1.12 / 1.27	2.94 / 3.06 / 3.19	4.50 / 4.52 / 4.59	4.50 / 4.52 / 4.59
Compressor	Type	/	ROTARY	ROTARY	ROTARY	ROTARY
	Capacity	W	2280	3510/3560	4000	4000
	Power Input	W	563	822/835	1310	1310
	Rated current (RLA)	A	2,7	3.90/3.52	6,35	6,35
	LRA (Locked rotor amp)	A	17	27	34,5	34,5
	Capacitor	µF	20	35	35	35
Indoor Fan Motor	Input power	W	37	37	37	37
	Speed(Hi/Mi/Lo)	rpm	1100/1000/900	1100/1010/880	1100/1010/880	1100/1010/880
	Capacitor	µF	1	1	1	1
Outdoor Fan motor	Input power	W	87	87	87	87
	Speed(Hi/Mi/Lo)	rpm	1580	1590	1590	1590
	Capacitor	µF	3	3	3	3
Insioor Side Air Flow	Hi / Mi / Lo	cfm	385 / 355 / 319	396 / 360 / 318	372 / 343 / 310	372 / 343 / 310
Indoor Sound Pressure Level	Hi / Mi / Lo	dB(A)	52.5 / 52 / 51.5	51.4 / 51 / 51	53 / 52.2 / 52	53 / 52.2 / 52
Outdoor Side Sound Noise Level	Hi / Mi / Lo	dB(A)	67.5 / 62.8 / 62.7	67.6 / 67.3 / 67.3	67 / 65.7 / 65.4	67 / 65.7 / 65.4
Unit Dimensions	W x D x H	in	42 x 20.9 x 16	42 x 20.9 x 16	42 x 20.9 x 16	42 x 20.9 x 16
Packing Dimensions	W x D x H	in	44,09	44,09	44,09	44,09
Weight	Net / Gross	lb	108.4 / 119.1	115.7 / 125	116.6 / 126.5	116.6 / 126.5
Refrigerant	Type / Charge (lb)	/ lb	R410A / 1.9	R410A / 2	R410A / 2.3	R410A / 2.3
Design pressure	Suction / Discharge	psi	300 / 540	300 / 540	300 / 540	300 / 540
Electrical Plug	Type	/	LCDI(6-20P)	LCDI(6-20P)	LCDI(6-20P)	LCDI(6-30P)
	Power cord type	/	12#x3	12#x3	12#x3	12#x3
Control		Type	Electronic Control	Electronic Control	Electronic Control	Electronic Control
Operation temperatures	Indoor (Cooling / Heating)	°F	63 / 90 | 32 / 80	63 / 90 | 32 / 80	63 / 90 | 32 / 80	63 / 90 | 32 / 80
	Outdoor (Cooling / Heating)	°F	64 / 109 | 23 / 75	64 / 109 | 23 / 75	64 / 109 | 23 / 75	64 / 109 | 23 / 75
Application area	Applicable area (min / max)	sq.ft	129.2 / 193.8	172.2 / 247.6	215.3 / 312.2	215.3 / 312.2

c(UL)us LISTED

AHRI CERTIFIED®
www.ahridirectory.org
Packaged Terminal AC
AHRI Standard 310/380

R-410A REFRIGERANT

Accesories

Foldable sleeve

Wall Sleeve Dimensions

16"

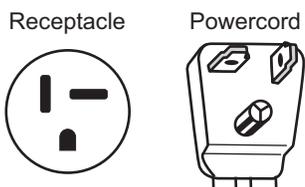15

42"

Drain Kit

Architectural grille

Stamped aluminum grille

Power Cord plug and Receptacle Configuration AFCI Cord Included

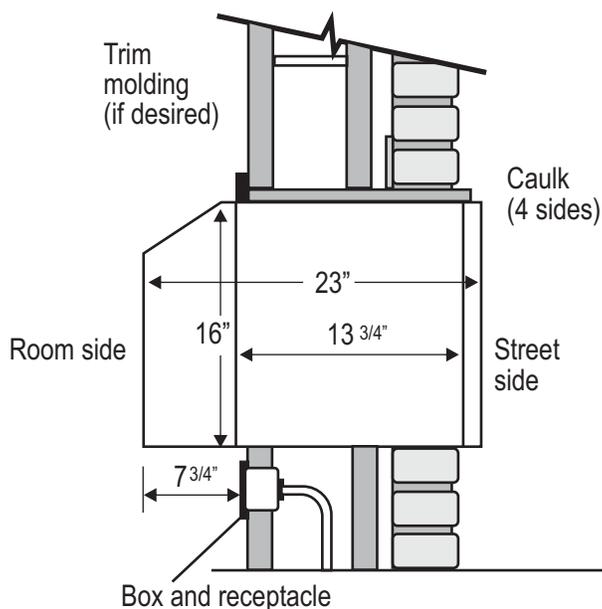### Arc Fault Circuit Interupter (AFCI)

Perpendicular

Receptacle   Powercord

20 AMP
NEMA6-20R, 250V
(208 / 230V)

Large Tandem

Receptacle   Powercord
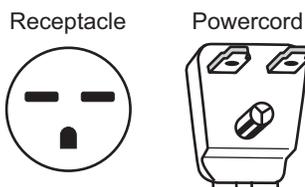
30 AMP
NEMA6-30R, 250V
(208 / 230V)

Minimum Wall Sleeve Opening

Trim molding (if desired)

Caulk (4 sides)

23"

Room side

16"   13 3/4"

Street side

7 3/4"

Box and receptacle

Warranty

2 YEARS PARTS LIMITED WARRANTY

5 YEARS COMPRESSOR LIMITED WARRANTY

Klimaire ®
Mark of Superior Quality

PTAC and PTHP
Packaged Terminal Air Conditioners & Heat Pump

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