



Submittal Data Sheet

ACiQ Model#: ACiQ-12PTC-B

12K PTAC System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:

12K PTAC (PTC-B) Product Code: 850038750640
ACiQ Model Number: ACiQ-12PTC-B



COOLING PERFORMANCE

Cooling Capacity (Standard Conditions)	Btu/h (H/L)	12000 / 11800
Input (H/L)	W	1030 / 1010
Current (H/L)	A	5.2 / 5.6
EER	Btu/h/W	11.6

HEATING PERFORMANCE

Heat Pump with Standard Conditions

Heating Capacity (Heat Pump)	Btu/h (H/L)	10800 / 10500
Input (H/L)	W	880 / 840
Current (H/L)	A	4.8 / 5.1
COP	W/W	3.4

Heat Pump with 3.5kW Backup Electric Heat Kit

Heating Capacity	Btu/h (H/L)	10900 / 8900
Input (H/L)	W	3500 / 2897
Current (H/L)	A	15.3 / 13.7

OPERATING SPECIFICATIONS

Indoor Temperature Range (Cooling / Heating)	°F	62.6° ~ 89.6° / 32° ~ 80.6°
	°C	17° ~ 32° / 0° ~ 27°
Outdoor Temperature Range (Cooling / Heating)	°F	64.4° ~ 109.4° / 23° ~ 75.2°
	°C	18° ~ 43° / -5° ~ 24°

REFRIGERANT SPECIFICATIONS

Refrigerant Type	--	R32
Refrigerant Charge Amount	oz	26.81
	kg	0.76
Design Pressure	psi	300 / 580

ELECTRICAL SPECIFICATIONS

Power Supply	V, Ph, Hz	208/230V, 1 Ph, 60 Hz
Receptacle Type	NEMA	6-20R
Plug Type	NEMA	LCDI (6-20P)
Breaker Size	A	15
Starting Current	A	45.9

COMPRESSOR SPECIFICATIONS

Model	--	KSM100N11VEZ
Type	--	ROTARY
Brand	--	GMCC
Capacity	W	3590 / 3620
Input	W	850 / 875 ±3%
Rated Current	A	4.18 / 3.85 ±3%
Locked Rotor Amp (LRA)	A	28.5±10%
Thermal Protector	--	UP-A2H/HPA-325H
Thermal Protector Position	--	INTERNAL
Capacitor	uF	35
Refrigerant Oil	Type	VG68
Refrigerant Oil Charge	mL	300±15

INDOOR SIDE SPECIFICATIONS

Fan Motor Model	--	ZKFP-25-8-157L
Airflow (Hi/Med/Lo)	CFM	435 / 353
Fan Speed Cooling (hi/lo)	rpm	1110 / 930
Fan Speed Heating (hi/lo)	rpm	1110 / 1020
Noise Level (Hi/Lo)	dB(A)	51 / 51
Insulation Class	--	B
Waterproofing Class	--	IP20

OUTDOOR SIDE SPECIFICATIONS

Fan Motor Model	--	YKT-58-4-3L
Noise Level (Hi)	dB(A)	67.5
Input	W	87
Capacitor	uF	3
Rated Amps	A	0.38 / 0.42
Blower Motor Speed (hi/lo)	rpm	1580
Capacitor Class	--	S3
Insulation Class	--	B

EVAPORATOR & CONDENSER SPECIFICATIONS

Evaporator Fin Material	Type	Hydrophilic Aluminum
Number of Evaporator Rows	--	2
Number of Evaporator Circuits	--	2
Condenser Fin Material	Type	Hydrophilic Aluminum
Number of Condenser Rows	--	3
Number of Condenser Circuits	--	3

UNIT WEIGHT & DIMENSIONS

Unit Dimensions (W x D x H)	in	42.01 x 20.94 x 15.98
	mm	1067 x 532 x 406
Packing Dimensions (W x D x H)	in	44.49 x 24.61 x 19.29
	mm	1130 x 625 x 490
Net / Gross Weight	lb	110 / 119
	kg	50 / 54

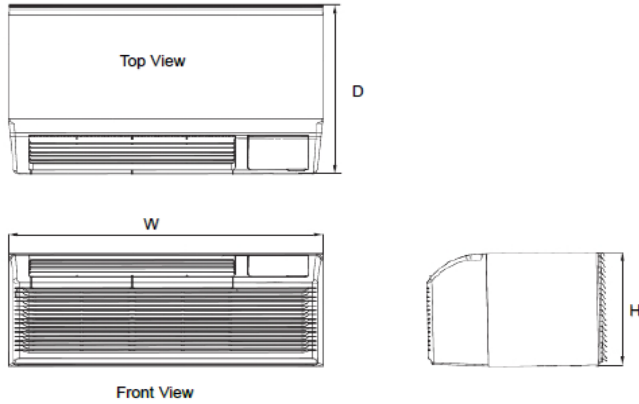
ELECTRICAL POWER SUPPLY PLUG & OUTLET INFORMATION

POWER CONNECTION CHART

Power Card						
Power Supply	NEMA 6-15P	NEMA 6-15R	NEMA 6-20P	NEMA 6-20R	NEMA 6-30P	NEMA 6-30R

UNIT MODEL	CODE OF POWER SUPPLY KIT	
	15A	20A
ACiQ-07PTC-B	208 / 230 V	208 / 230 V
ACiQ-09PTC-B	6-15P(15A / 240V)	
ACiQ-12PTC-B		6-20P(20A / 240V)
ACiQ-15PTC5-B		

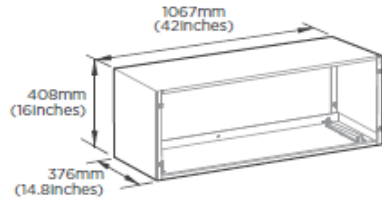
UNIT DIMENSIONS



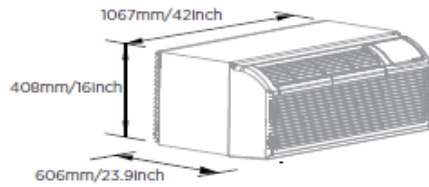
Dimension	WxHxD (mm)
	WxHxD (inch)
Dimension 1 (no sleeve, rear grille and rear net)	1067x406x532 42.0x15.9x20.9
Dimension 2 (no rear grille and rear net, but include sleeve)	1067x408x578 42.0x16.0x22.8
Dimension 3 (include sleeve and rear net)	1067x408x588 42.0x16.0x23.1
Dimension 4 (include sleeve, rear net and rear grille)	1067x408x606 42.0x16.0x23.9

UNIT INSTALLATION INSTRUCTIONS & CLEARANCE REQUIREMENTS

Installation size confirmation :

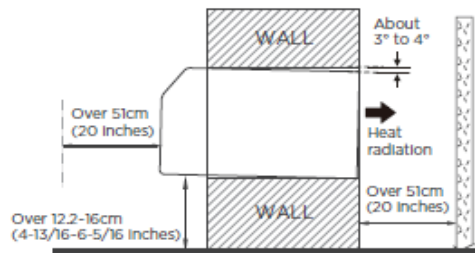


Wall sleeve size requirements (wall hole size should refer to the wall sleeve size)



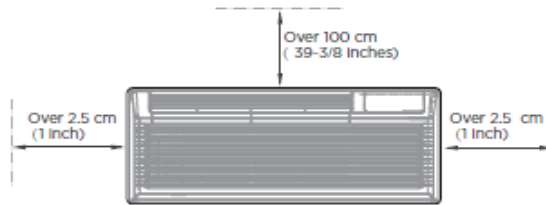
Product size

Confirmation of installation position :



NOTE

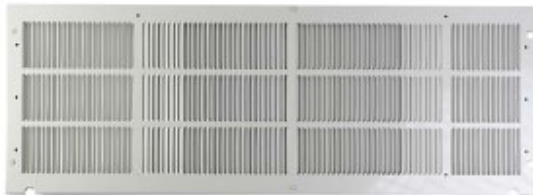
To make the appliance work better, please do not place a barrier in the air outlet.



ACCESSORIES



ACiQ-PTC-WS
ACiQ Standard 42" Universal PTAC Wall Sleeve



ACiQ-PTC-G
ACiQ Standard Stamped Aluminum Grille



ACiQ-PTC-AG
ACiQ Extruded Architectural Grille