



Submittal Data Sheet

ACiQ Model#: PHP-PA-80-230

80K BTU R32 Inverter Pool Heat Pump with Cooling

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

Pool Heater Product Code: 810175556215



HEATING PERFORMANCE

Heating Capacity Performance Conditions:

Air Temperature: 80°F, Water Temperature: 80°F, Humidity: 80%

Heating Capacity	Btu/h	78476
Power Input	kW	4.80
Current	Amps	19.85
COP		15.03 - 4.80

Heating Capacity Performance Conditions:

Air Temperature: 80°F, Water Temperature: 80°F, Humidity: 63%

Heating Capacity	Btu/h	76770
Power Input	kW	4.74
Current	Amps	19.59
COP		14.58 - 4.75

Heating Capacity Performance Conditions:

Air Temperature: 50°F, Water Temperature: 80°F, Humidity: 63%

Heating Capacity	Btu/h	58004
Power Input	kW	4.70
Current	Amps	19.67
COP		7.96 - 3.62

COOLING PERFORMANCE

Cooling Capacity Performance Conditions:

Air Temperature: 95°F, Water Inlet Temperature: 82.4°F / 78.8°F

Cooling Capacity	Btu/h	44697
Power Input	kW	3.34
EER		7.26 - 3.92

OPERATIONAL SPECIFICATIONS

Recommended Pool Capacity Range*	Gallons	15850 - 26417
	m³	60 - 100
Operating Temperature Range	°F	5°F ~ 109.4°F
	°C	-15°C ~ 43°C
Max. Input Water Temperature	°F	104°F
	°C	40°C
Water Flow Volume	gpm	35
Sound Pressure Level	dB(A)	28 - 53

*Recommended to use an isothermal cover at night

ELECTRICAL SPECIFICATIONS

Power Supply	V, Ph, Hz	240VAC, 1 Ph, 60Hz
Min. Circuit Ampacity (MCA)	Amps	26A
Max. Overcurrent Protection (MOP)	Amps	45A
Supply Cable / Breaker Size	AWG / Amps	10 AWG / 30A

COMPRESSOR, FAN MOTOR, & HEAT EXCHANGER SPECIFICATIONS

Compressor Type	DC Inverter
Compressor Rated Load Amps (RLA)	19.00
Throttling Type	EXV
Fan Motor Type	BLDC Motor & Axial Fan
Fan Motor Full Load Rating (Amps)	0.35
Air-Side Heat Exchanger Material	Hydrophillic Aluminum & Inner Groove Copper Tube
Water-Side Heat Exchanger Material	Twisted Titanium Heat Exchanger, Titanium tube with PVC casing

UNIT DIMENSIONS & WEIGHT

Water Pipe Connection Size	in	1-1/2"
	mm	38.10
Unit Dimensions (W x D x H)	in	43.00 x 18.90 x 28.70
	mm	1092 x 480 x 730
Packaging Dimensions (W x D x H)	in	47.20 x 19.70 x 34.70
	mm	1200 x 500 x 880
Net / Gross Weight	lb	175.0 / 208.0
	kg	79.5 / 94.5

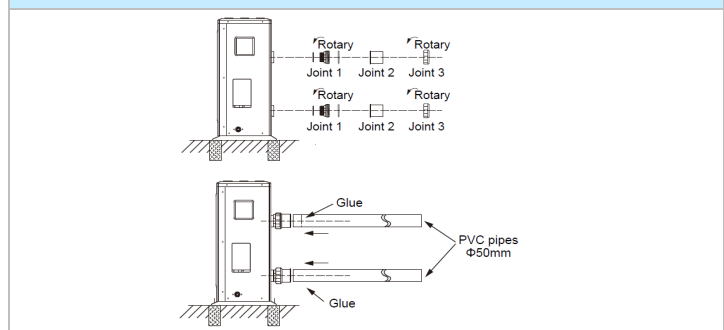
REFRIGERANT SPECIFICATIONS

Refrigerant Type		R32
Refrigerant Charge Volume	oz	74.1
	ml	2191.4

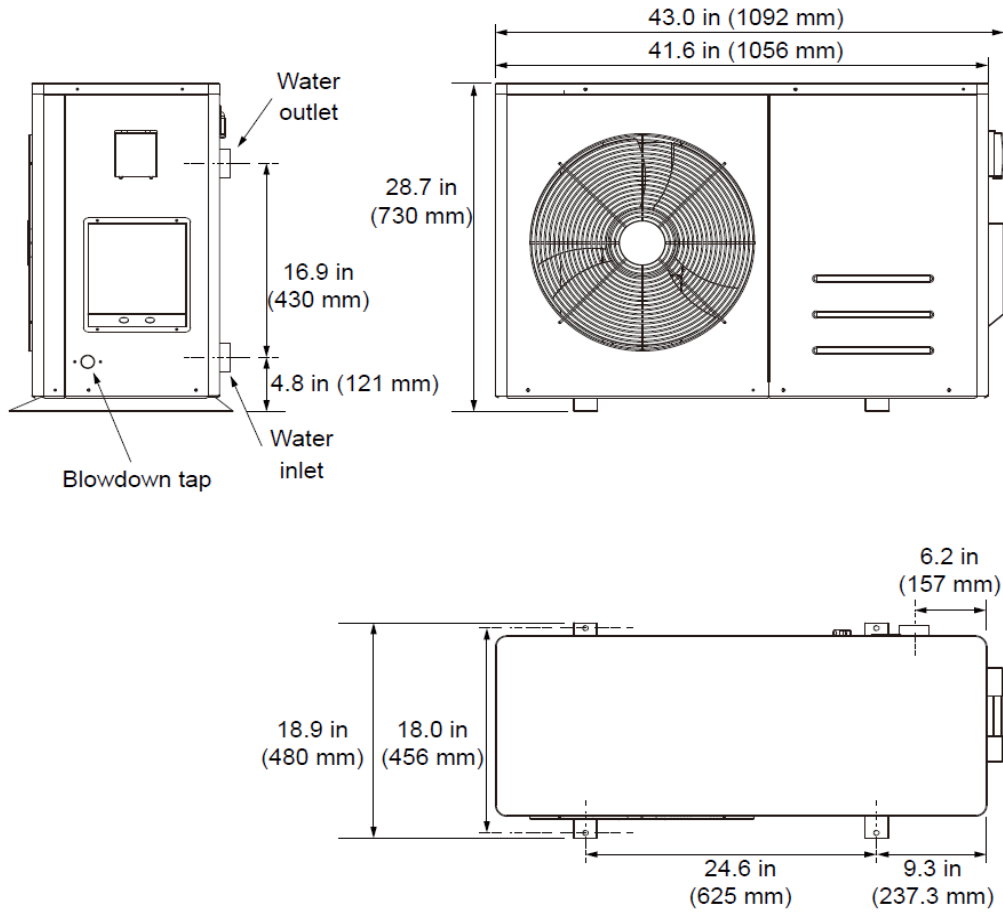
FEATURES

- Suitable for pools with up to 26,417 gallons of water
- Equipped with a DC Inverter compressor that uses R32 refrigerant
- Integrated Controller with LCD Display & Built-in WiFi Module
- Titanium heat exchanger

WATER INLET & OUTLET PIPING INSTALLATION INSTRUCTIONS



Unit Dimensions



Unit Installation Diagram

