



Submittal Data Sheet

ACiQ Model#: PHP-PA-30-230

30K BTU R32 Inverter Pool Heat Pump with Cooling

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

Product UPC Code: 810175556208



HEATING PERFORMANCE

Heating Capacity Performance Conditions:
Air Temperature: 80°F, Water Temperature: 80°F, Humidity: 80%

Heating Capacity	Btu/h	30708
Power Input	kW	1.56
Current	Amps	6.51
COP		13.20 - 5.77

Heating Capacity Performance Conditions:
Air Temperature: 80°F, Water Temperature: 80°F, Humidity: 63%

Heating Capacity	Btu/h	29002
Power Input	kW	1.45
Current	Amps	6.06
COP		12.65 - 5.86

Heating Capacity Performance Conditions:
Air Temperature: 50°F, Water Temperature: 80°F, Humidity: 63%

Heating Capacity	Btu/h	22178
Power Input	kW	1.72
Current	Amps	7.17
COP		7.74 - 3.78

COOLING PERFORMANCE

Cooling Capacity Performance Conditions:
Air Temperature: 95°F, Water Inlet Temperature: 82.4°F / 78.8°F

Cooling Capacity	Btu/h	15695
Power Input	kW	1.20
EER		6.43 - 3.83

OPERATIONAL SPECIFICATIONS

Recommended Pool Capacity Range*	Gallons	5283 - 10567
	m³	20 - 40
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	14
Sound Pressure Level	dB(A)	24 - 47

*Recommended to use an isothermal cover at night

ELECTRICAL SPECIFICATIONS

Power Supply	V, Ph, Hz	240VAC, 1 Ph, 60Hz
Min. Circuit Ampacity (MCA)	Amps	10A
Max. Overcurrent Protection (MOP)	Amps	15A
Supply Cable / Breaker Size	AWG / Amps	14 AWG / 15A

COMPRESSOR, FAN MOTOR, & HEAT EXCHANGER SPECIFICATIONS

Compressor Type	DC Inverter
Compressor Rated Load Amps (RLA)	7.00
Throttling Type	EXV
Fan Motor Type	BLDC Motor & Axial Fan
Fan Motor Full Load Rating (Amps)	0.15
Air-Side Heat Exchanger Material	Hydrophilic 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	34.40 x 15.80 x 26.50
	mm	873 x 400 x 673
Packaging Dimensions (W x D x H)	in	38.00 x 16.50 x 32.20
	mm	966 x 418 x 818
Net / Gross Weight	lb	101.0 / 126.0
	kg	46.0 / 57.0

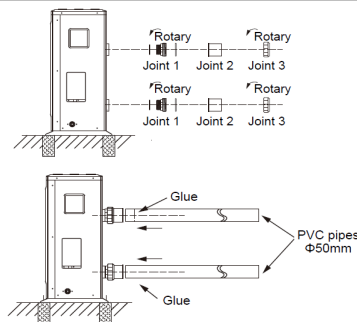
REFRIGERANT SPECIFICATIONS

Refrigerant Type		R32
Refrigerant Charge Volume	oz	28.2
	ml	833.97

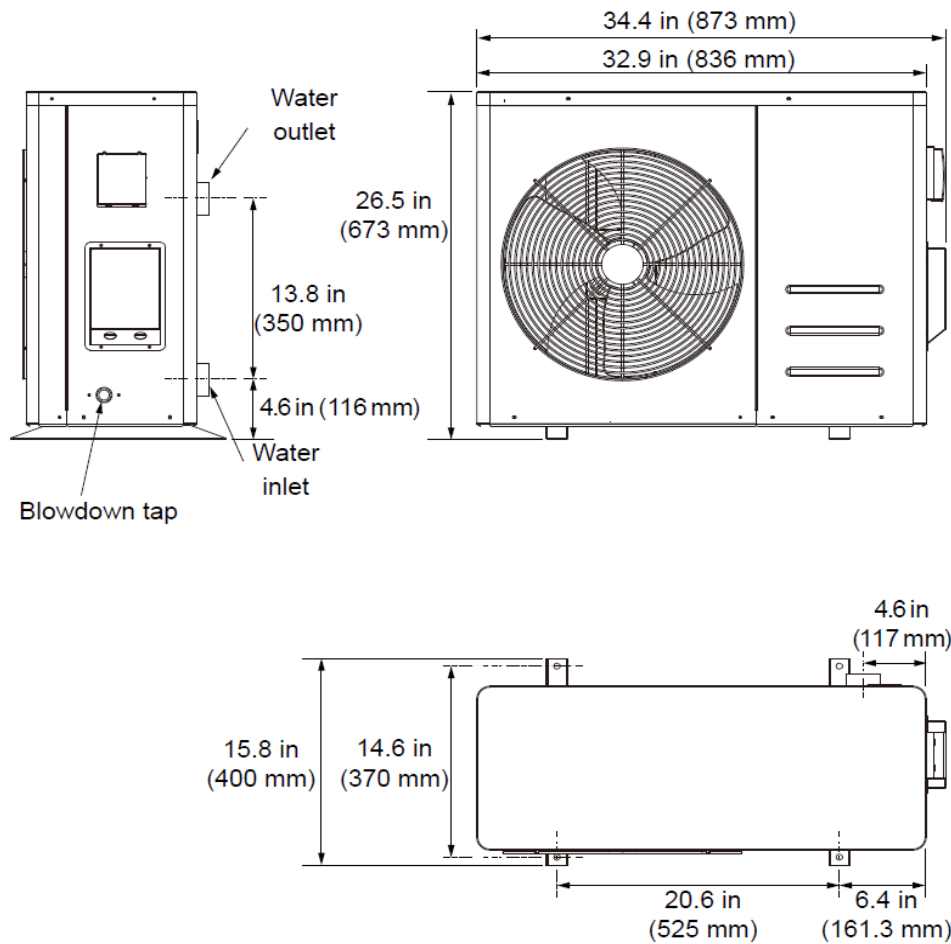
FEATURES

- Suitable for pools with up to 10,567 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

