



Submittal Data Sheet

ACiQ Model#: PHP-PA-18-115

18K BTU R32 Portable/Mini Pool Heat Pump with Cooling (115V)

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

Product UPC Code: 810175556192



HEATING PERFORMANCE

Heating Capacity Performance Conditions:

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

Heating Capacity	Btu/h	17060
Power Input	kW	1.22
Current	Amps	10.60
COP		4.10

Heating Capacity Performance Conditions:

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

Heating Capacity	Btu/h	16036
Power Input	kW	1.16
Current	Amps	10.08
COP		4.05

Heating Capacity Performance Conditions:

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

Heating Capacity	Btu/h	10236
Power Input	kW	0.85
Current	Amps	7.39
COP		3.53

COOLING PERFORMANCE

Cooling Capacity Performance Conditions:

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

Cooling Capacity	Btu/h	11669
Power Input	kW	1.07
EER		3.26

OPERATIONAL SPECIFICATIONS

Recommended Pool Capacity Range*	Gallons	2113 - 2642
	m³	8 - 10
Operating Temperature Range	°F	50°F ~ 109.4°F
	°C	10°C ~ 43°C
Max. Input Water Temperature	°F	104°F
	°C	40°C
Water Flow Volume	gpm	7.70
Sound Pressure Level	dB(A)	29 - 45

*Recommended to use an isothermal cover at night

ELECTRICAL SPECIFICATIONS

Power Supply	V, Ph, Hz	115VAC, 1 Ph, 60 Hz
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COMPRESSOR, FAN MOTOR, & HEAT EXCHANGER SPECIFICATIONS

Compressor Type	Fixed Speed
Compressor Rated Load Amps (RLA)	9.00
Compressor Locked Rotor Amps (LRA)	57.00
Throttling Type	Capillary
Fan Motor Type	DC Motor & Axial Fan
Fan Motor Full Load Rating (Amps)	1.50
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	1-1/4" to 1-1/2" (Inner Dia.)
	mm	32.00 to 38.00
Unit Dimensions (W x D x H)	in	15.80 x 11.20 x 16.40
	mm	401 x 284 x 417
Packaging Dimensions (W x D x H)	in	18.30 x 14.60 x 18.30
	mm	465 x 370 x 465
Net / Gross Weight	lb	53.0 / 55.0
	kg	24.0 / 25.0

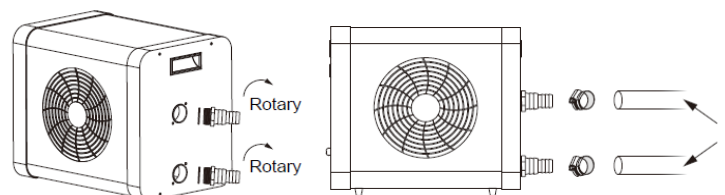
REFRIGERANT SPECIFICATIONS

Refrigerant Type	R32	
Refrigerant Charge Volume	oz	14.1
	ml	29.57

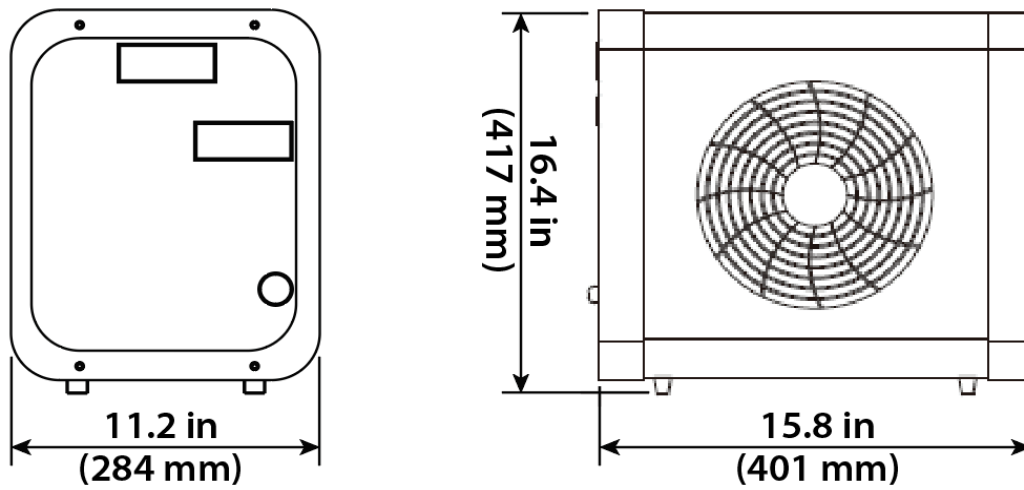
FEATURES

- Suitable for pools with up to 2,642 gallons of water
- Simple plug & play operation
- Equipped with a high efficiency compressor that uses R32 refrigerant
- Integrated Controller with Digital Display
- Power Cable with safety RCD
- 1-1/4" / 1-1/2" flexible water connections for hose
- Titanium heat exchanger

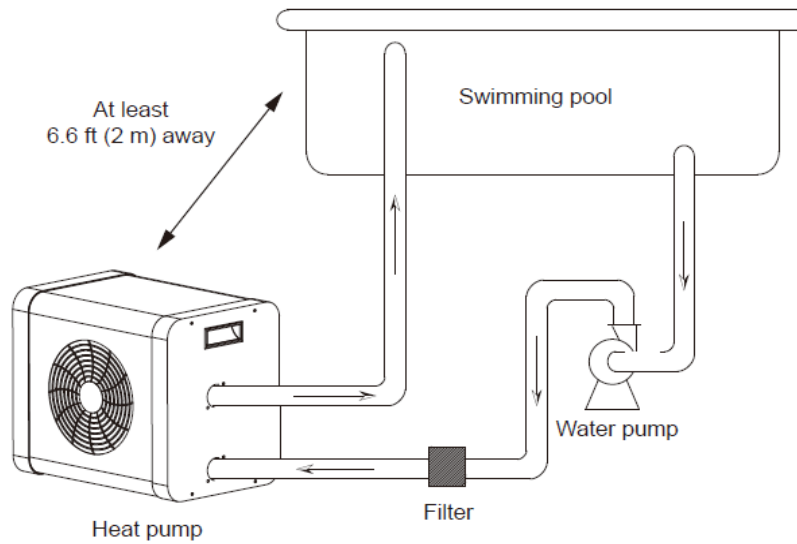
WATER INLET & OUTLET PIPING INSTALLATION INSTRUCTIONS



Unit Dimensions



Unit Installation Diagram



The heat pump unit should be located at least 6.6 feet (2 meters) away from the swimming pool.

Unit Installation Clearance Requirements

