



Submittal Data Sheet

ACiQ Model#: PHP-E-120

120K BTU Top-Discharge Pool Heat Pump

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

Top-Discharge Pool Heater Product Code: 810175551913



ELECTRICAL SPECIFICATIONS

Power Supply	V, Hz	208/230V ~ / 60 Hz
Power Supply Cable	Cable Diameter	3G 10mm ²
	Cable Specification	AWG 8
Max. Current	A	31
Max. Power Input	kBtu/h	23.88

HEAT EXCHANGER SPECIFICATIONS

Air Side Heat Exchanger Material	Hydrophilic Fin & Tube
Water Side Heat Exchanger Material	Titanium PVC Tank

UNIT WEIGHT & DIMENSIONS

Net Weight	lb	312
	kg	141.52
Net Dimensions (W x D x H)	in	36 x 34 x 42
	mm	914.4 x 863.6 x 1066.8
Water Pipe Connection Size	in	1.9
	mm	48.26

REFRIGERANT SPECIFICATIONS

Refrigerant Type		R32
Refrigerant Charge Weight	lb	6.39

HEATING PERFORMANCE

Ambient Temperature: (Dry Bulb / Wet Bulb) 80.6°F / 75.8°F
Water Inlet Temperature: 80°F

Heating Capacity	kBtu/h	27.64 ~ 118.75
Consumed Power	kBtu/h	1.77 ~ 18.39
COP		15.58 ~ 6.46

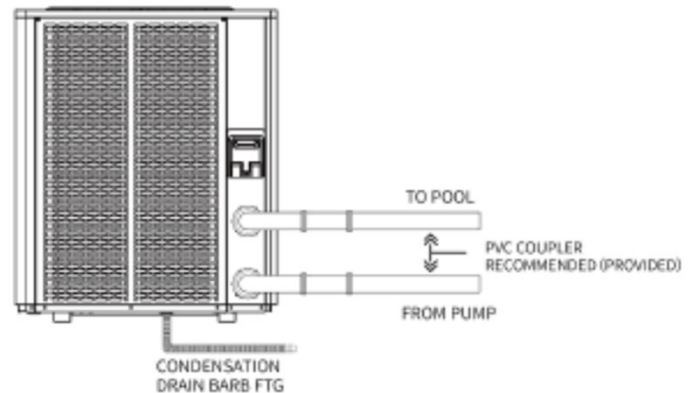
Ambient Temperature: (Dry Bulb /Wet Bulb) 50°F / 44.3°F
Water Inlet Temperature: 80°F

Heating Capacity	kBtu/h	19.93 ~ 83.80
Consumed Power	kBtu/h	2.83 ~ 17.61
COP		7.04 ~ 4.76

OPERATIONAL SPECIFICATIONS

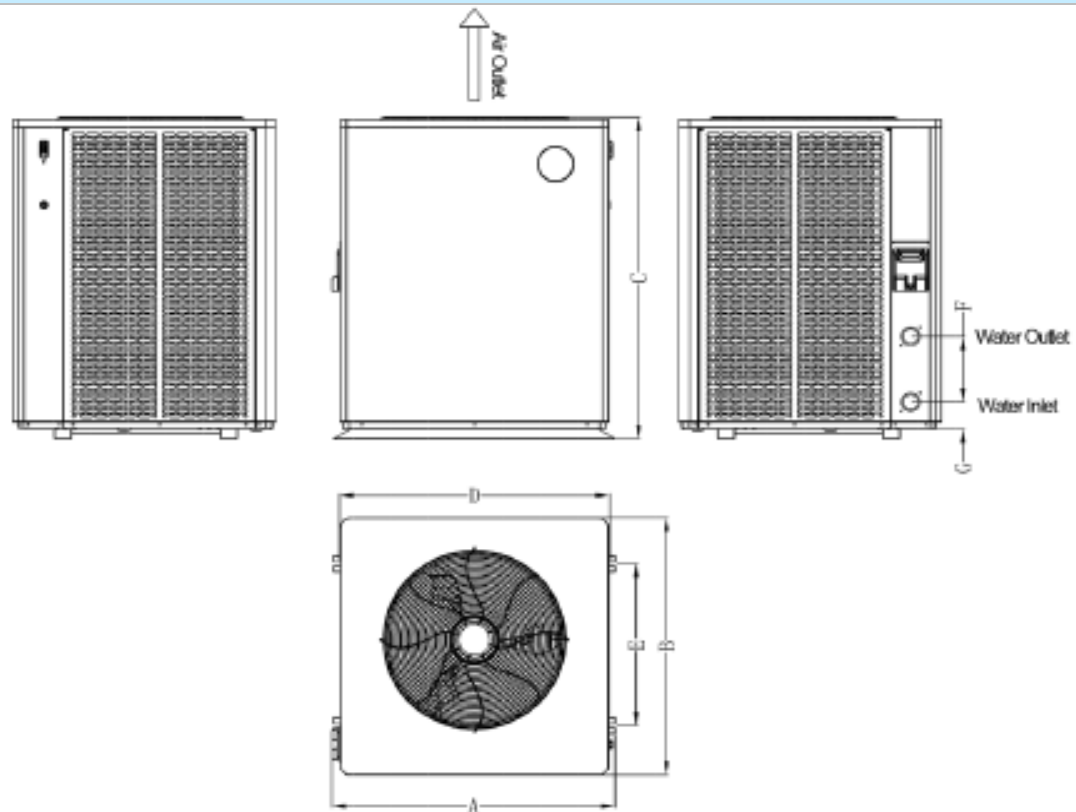
Operating Temperature Range	°F	14° ~ 109.4°
Heating Temperature Range	°F	59° ~ 104°
Water Flow	gpm	66
Water Pressure Drop	psi	7.25
Max./Min. Water Operating Pressure	Mpa	0.6 / 0.1
Max./Min. Water Inlet Pressure	Mpa	0.6 / 0.1
Noise Level	dB(A)	59

WATER INLET & OUTLET PIPING INSTALLATION INSTRUCTIONS



*The pool heat pump must be connected using hard pipes, the inlet and outlet unions cannot withstand the weight of soft pipes.

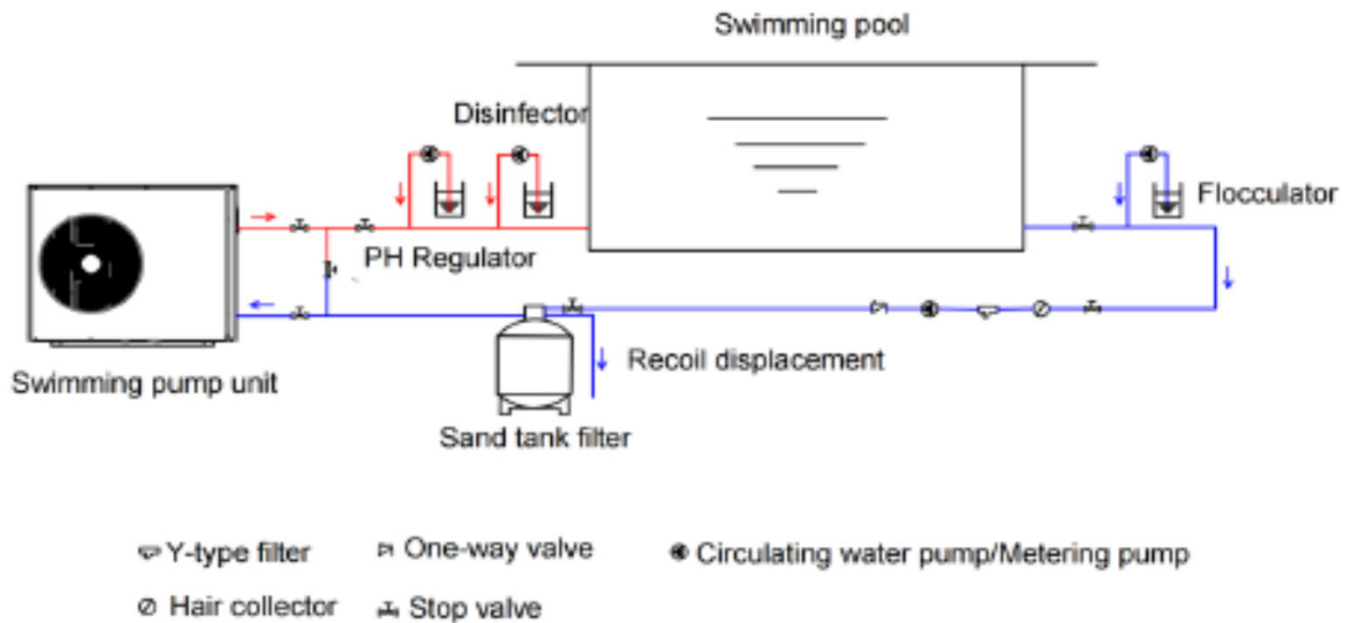
Unit Dimensions



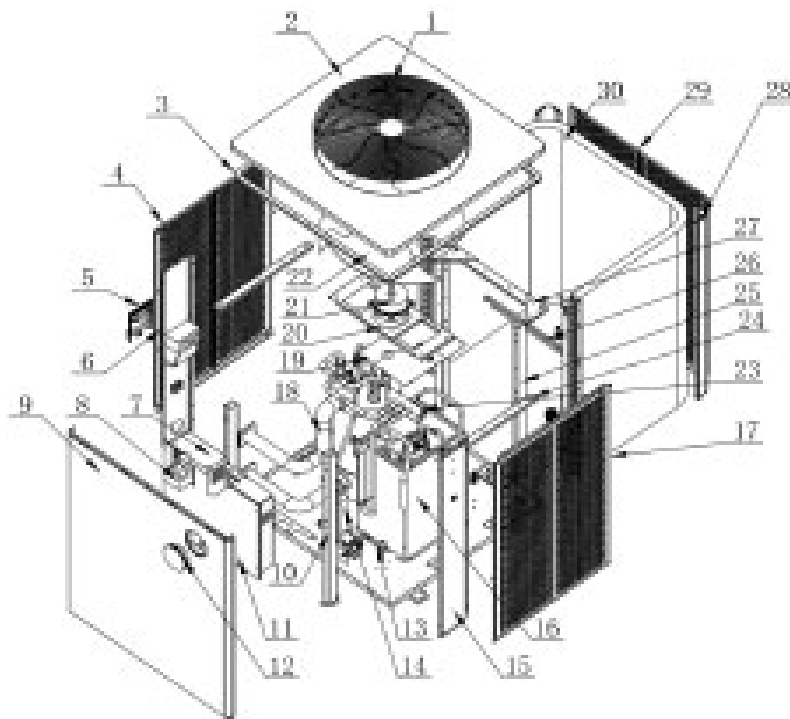
Dimension Unit: (inch)

Model	A	B	C	D	E	F	G
PHP-E-120	36	34	42	34	21	9	4
PHP-E-155	36	34	42	34	21	9	4

Unit Installation Diagram



Unit Main Parts Diagram



1	Mesh Cover	11	Electrical Box	21	Fan Motor
2	Top Cover	12	Wire Controller	22	Fan Blade
3	Top Frame	13	Throttling Device Assembly	23	4-Way Valve Assembly
4	Left Plate	14	Liquid Reservoir	24	Left/Right Crossbeam
5	Transition Pipe Handle	15	Right Column	25	Back Left/Right Column
6	Left Column	16	Compressor Compartment	26	Column Fixing Strip
7	Fixing Plate	17	Right Plate	27	Column Triangular Plate
8	Reactor	18	Titanium Heat Exchanger	28	Back Column
9	Front Plate	19	Compressor Compartment Cover	29	Back Plate
10	Front Left/Right Column	20	Motor Support	30	Fin Heat Exchanger