

Inverter Heat Pump for Swimming Pools

PHP-110

Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

Approval: _____
 Date: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____

Product UPC Number 810175551753

Set Model

Outdoor unit model PHP-110

Certified

AHRI



CSA



SYSTEM PERFORMANCE DATA

Electrical		
Power Supply	(V, Ph, Hz)	208/230V, 1Ph, 60Hz
Fuse	(A)	40
Power Cord	(AWG)	2x8
Operating Temperature		
	(°F)	32°F-109°F
Max. Pool Capacity		
	(Gal)	≤ 32000
	(L)	≤ 120000
Air Input Capacity (80°F)		
	(A)	2.65 - 25.6
	(kW)	0.61 - 5.9
Advised Water Flux		
	(L/min)	133 - 167
Sound Pressure at 3m		
	(dB(A))	35.5 - 49.5
Noise at 10 ft.		
	(dB(A))	≤ 50
Heating Capacity		
Conditions: Air 80°F / Water 80°F / Humidity 80°F		
Heating Capacity	(Btu/h)	110000
Heating Capacity (Silent Mode)	(Btu/h)	88000
COP	(W/W)	13.5 - 5.8
Conditions: Air 80°F / Water 80°F / Humidity 63°F		
Heating Capacity	(Btu/h)	104000
Heating Capacity (Silent Mode)	(Btu/h)	83500
COP	(W/W)	12.2 - 5.6
Conditions: Air 50°F / Water 80°F / Humidity 63°F		
Heating Capacity	(Btu/h)	67000
Heating Capacity (Silent Mode)	(Btu/h)	54000
COP	(W/W)	5.2 - 4.2

UNIT SPECIFICATIONS & DIMENSIONS

Casing	-	ABS + Metal
Air Discharge	-	Vertical
Water Pipe In-Out Dimensions	(in)	2"
Unit Dimensions (WxDxH)	(in)	37.2 x 27.3 x 38.5
Net Weight	(lbs)	251
Heat Exchanger	-	Titanium PVC
Waterproof Class	-	IPX4

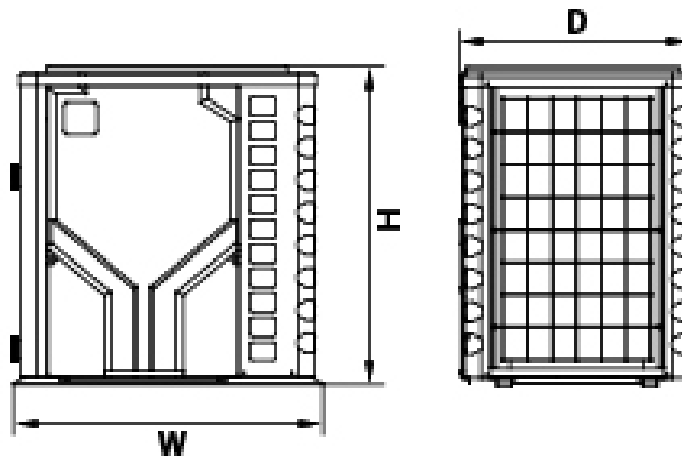
REFRIGERANT DATA

Refrigerant Type	-	R410A
Charge Amount	(oz)	141.0
Design Pressure (High)	(PSIG)	≤609
Design Pressure (Low)	(PSIG)	≤261

WARRANTY DATA

Parts & Labor	-	3 years
Exchanger & Compressor	-	5 years

Unit Dimensions



Size(inch)	Name	W	D	H
Model		(Width)	(Depth)	(Height)
ACIQ110		37.2	27.3	38.5