

Inverter Heat Pump for Swimming Pools

PHP-140

Location: \_\_\_\_\_  
 Engineer: \_\_\_\_\_  
 Submitted to: \_\_\_\_\_  
 Submitted by: \_\_\_\_\_  
 Reference: \_\_\_\_\_

Approval: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Construction: \_\_\_\_\_  
 Unit #: \_\_\_\_\_  
 Drawing #: \_\_\_\_\_

Product UPC Number 810175551760

Set Model  
 Outdoor unit model PHP-140

Certified  
 AHRI   
 CSA 



SYSTEM PERFORMANCE DATA

<b>Electrical</b>		
Power Supply	(V, Ph, Hz)	208/230V, 1Ph, 60Hz
Fuse	(A)	50
Power Cord	(AWG)	2x8
Operating Temperature	(°F)	32°F-109°F
Max. Pool Capacity	(Gal)	≤ 42000
	(L)	≤ 155000
Air Input Capacity (80°F)	(A)	3.69 - 29.8
	(kW)	0.85 - 6.85
Advised Water Flux	(L/min)	133 - 254
Sound Pressure at 3m	(dB(A))	39.6 - 51.2
Noise at 10 ft.	(dB(A))	≤ 50
<b>Heating Capacity</b>		
<b>Conditions: Air 80°F / Water 80°F / Humidity 80°F</b>		
Heating Capacity	(Btu/h)	140000
Heating Capacity (Silent Mode)	(Btu/h)	112000
COP	(W/W)	13.1 - 5.8
<b>Conditions: Air 80°F / Water 80°F / Humidity 63°F</b>		
Heating Capacity	(Btu/h)	132000
Heating Capacity (Silent Mode)	(Btu/h)	105500
COP	(W/W)	11.0 - 5.7
<b>Conditions: Air 50°F / Water 80°F / Humidity 63°F</b>		
Heating Capacity	(Btu/h)	85000
Heating Capacity (Silent Mode)	(Btu/h)	68000
COP	(W/W)	5.2 - 4.1

UNIT SPECIFICATIONS & DIMENSIONS

Casing	-	ABS + Metal
Air Discharge	-	Vertical
Water Pipe In-Out Dimensions	(in)	2"
Unit Dimensions (WxDxH)	(in)	32.0 x 37.7 x 42.0
Net Weight	(lbs)	317
Heat Exchanger	-	Titanium PVC
Waterproof Class	-	IPX4

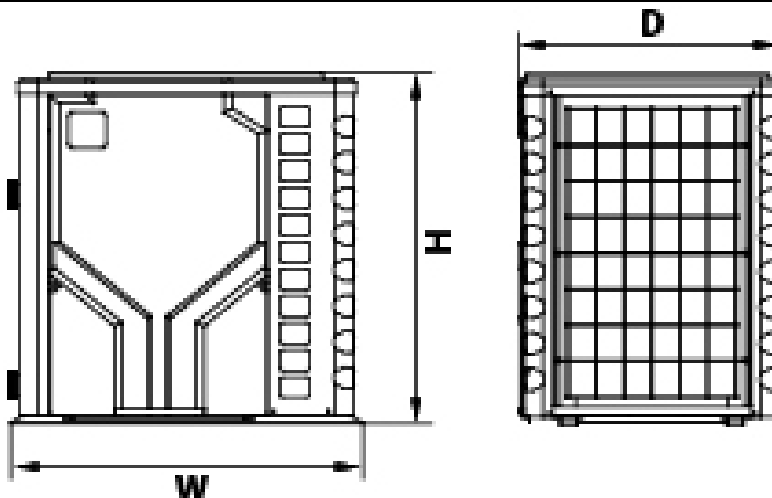
REFRIGERANT DATA

Refrigerant Type	-	R410A
Charge Amount	(oz)	176.4
Design Pressure (High)	(PSIG)	≤609
Design Pressure (Low)	(PSIG)	≤261

WARRANTY DATA

Parts	-	3 years
Exchanger & Compressor	-	5 years

Unit Dimensions



Size(inch) / Name	W	D	H
Model	(Width)	(Depth)	(Height)
ACiQ140	32.0	37.7	42.0