

Inverter Heat Pump for Swimming Pools **PHP-140**

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

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

Set Code

Set Model
 Outdoor unit model PHP-140

Certified

AHRI 

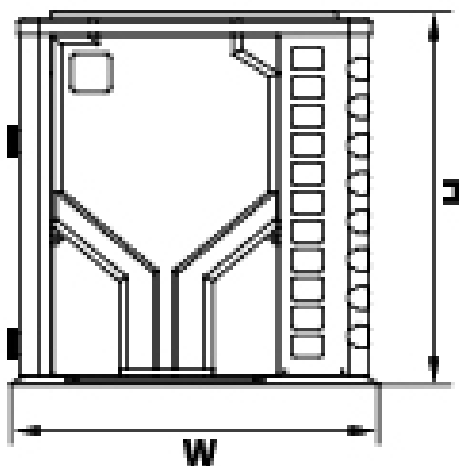
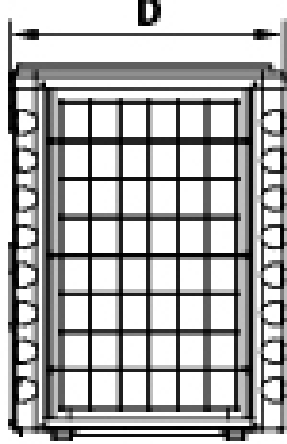
CSA 



SYSTEM PERFORMANCE DATA		
Electrical		
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
	(A)	3.69 - 29.8
Air Input Capacity (80°F)		
	(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
Heating Capacity		
Conditions: Air 80°F / Water 80°F / Humidity 80°F		
Heating Capacity	(Btu/h)	140000
Heating Capacity (Silent Mode)	(Btu/h)	112000
COP	(W/W)	13.1 - 5.8
Conditions: Air 80°F / Water 80°F / Humidity 63°F		
Heating Capacity	(Btu/h)	132000
Heating Capacity (Silent Mode)	(Btu/h)	105500
COP	(W/W)	11.0 - 5.7
Conditions: Air 50°F / Water 80°F / Humidity 63°F		
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 & Labor	-	3 years
Exchanger & Compressor	-	5 years

Unit Dimensions

Size(inch)	Name	W	D	H
		(Width)	(Depth)	(Height)
Model				
PHP-140		32.0	37.7	42.0