



**SUBMITTAL DATA SHEET**

**Inverter Heat Pump for Swimming Pools** PHP-90

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

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

**Set Code**

**Set Model**

Outdoor unit model PHP-90

**Certified**

AHRI

CSA



**SYSTEM PERFORMANCE DATA**

<b>Electrical</b>		
Power Supply	(V, Ph, Hz)	208/230V, 1Ph, 60Hz
Fuse	(A)	30
Power Cord	(AWG)	2x10
<b>Operating Temperature</b>		
	(°F)	32°F-109°F
<b>Max. Pool Capacity</b>		
	(Gal)	≤ 28000
	(L)	≤ 105000
<b>Air Input Capacity (80°F)</b>	(A)	2.34 - 19.1
	(kW)	0.54 - 4.39
<b>Advised Water Flux</b>	(L/min)	125 - 158
<b>Sound Pressure at 3m</b>	(dB(A))	37.5 - 49.0
<b>Noise at 10 ft.</b>	(dB(A))	≤ 50
<b>Heating Capacity</b>		
<b>Conditions: Air 80°F / Water 80°F / Humidity 80°F</b>		
Heating Capacity	(Btu/h)	90000
Heating Capacity (Silent Mode)	(Btu/h)	72000
COP	(W/W)	13.6 - 6.0
<b>Conditions: Air 80°F / Water 80°F / Humidity 63°F</b>		
Heating Capacity	(Btu/h)	85000
Heating Capacity (Silent Mode)	(Btu/h)	68000
COP	(W/W)	12.3 - 5.7
<b>Conditions: Air 50°F / Water 80°F / Humidity 63°F</b>		
Heating Capacity	(Btu/h)	54000
Heating Capacity (Silent Mode)	(Btu/h)	43000
COP	(W/W)	5.5 - 4.3

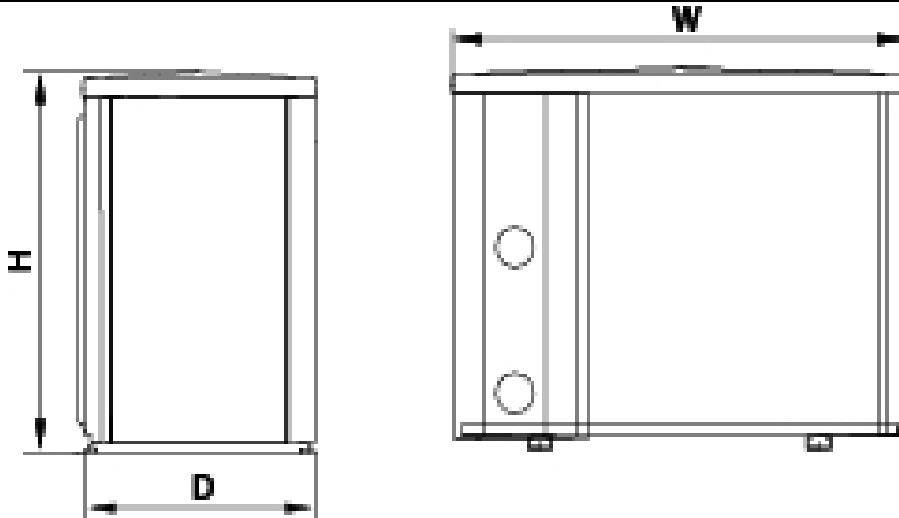
**UNIT SPECIFICATIONS & DIMENSIONS**

<b>Casing</b>	-	ABS Casing
<b>Air Discharge</b>	-	Horizontal
<b>Water Pipe In-Out Dimensions</b>	(in)	1 1/2"
<b>Unit Dimensions (WxDxH)</b>	(in)	43.0 x 16.5 x 37.7
<b>Net Weight</b>	(lbs)	229
<b>Heat Exchanger</b>	-	Titanium PVC
<b>Waterproof Class</b>	-	IPX4
<b>REFRIGERANT DATA</b>		
<b>Refrigerant Type</b>	-	R410A
<b>Charge Amount</b>	(oz)	98.8
<b>Design Pressure (High)</b>	(PSIG)	≤609
<b>Design Pressure (Low)</b>	(PSIG)	≤261

**WARRANTY DATA**

<b>Parts &amp; Labor</b>	-	3 years
<b>Exchanger &amp; Compressor</b>	-	5 years

**Unit Dimensions**



Size(inch) / Name	W	D	H
Model	(Width)	(Depth)	(Height)
PHP-90	43.0	16.5	37.7