

Inverter Heat Pump for Swimming Pools

PHP-90

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

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

Product UPC Number 810175551746

Set Model
 Outdoor unit model PHP-90

Certified
 AHRI
 CSA



SYSTEM PERFORMANCE DATA

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

UNIT SPECIFICATIONS & DIMENSIONS

Casing	-	ABS Casing
Air Discharge	-	Horizontal
Water Pipe In-Out Dimensions	(in)	1 1/2"
Unit Dimensions (WxDxH)	(in)	43.0 x 16.5 x 37.7
Net Weight	(lbs)	229
Heat Exchanger	-	Titanium PVC
Waterproof Class	-	IPX4

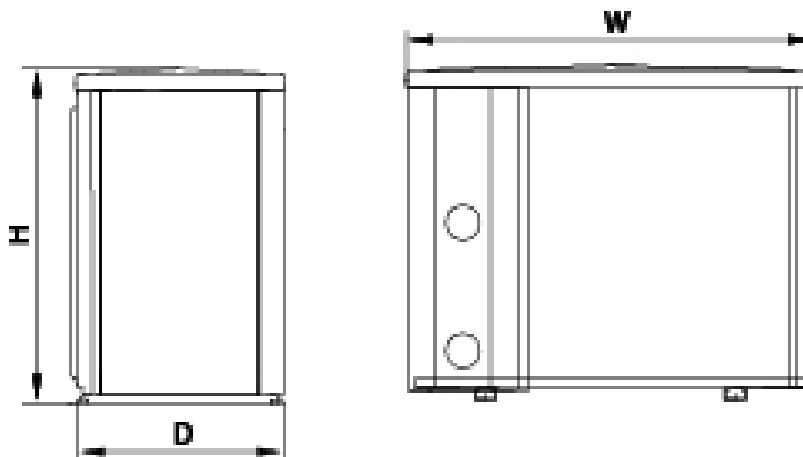
REFRIGERANT DATA

Refrigerant Type	-	R410A
Charge Amount	(oz)	98.8
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)
ACIQ90		43.0	16.5	37.7