

Inverter Heat Pump for Swimming Pools	ACIQ50
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____

Set Code

Set Model
Outdoor unit model ACIQ50

Certified

AHRI 

CSA 



SYSTEM PERFORMANCE DATA		
Electrical		
Power Supply	(V, Ph, Hz)	208/230V, 1Ph, 60Hz
Fuse	(A)	20
Power Cord	(AWG)	2x12
Operating Temperature	(°F)	32°F-109°F
Max. Pool Capacity	(Gal)	≤ 14000
	(L)	≤ 52000
Air Input Capacity (80°F)	(A)	2.00 - 11.0
	(kW)	0.46 - 2.53
Advised Water Flux	(L/min)	83 - 116
Sound Pressure at 3m	(dB(A))	34.9 - 46.0
Noise at 10 ft.	(dB(A))	≤ 50
Heating Capacity		
Conditions: Air 80°F / Water 80°F / Humidity 80°F		
Heating Capacity	(Btu/h)	50000
Heating Capacity (Silent Mode)	(Btu/h)	40000
COP	(W/W)	10.6 - 5.98
Conditions: Air 80°F / Water 80°F / Humidity 63°F		
Heating Capacity	(Btu/h)	47500
Heating Capacity (Silent Mode)	(Btu/h)	37200
COP	(W/W)	9.7 - 5.5
Conditions: Air 50°F / Water 80°F / Humidity 63°F		
Heating Capacity	(Btu/h)	28900
Heating Capacity (Silent Mode)	(Btu/h)	20295
COP	(W/W)	5.1 - 4.15

UNIT SPECIFICATIONS & DIMENSIONS		
Casing	-	ABS Casing
Air Discharge	-	Horizontal
Water Pipe In-Out Dimensions	(in)	1 1/2"
Unit Dimensions (WxDxH)	(in)	37.8 x 13.4 x 25.9
Net Weight	(lbs)	114
Heat Exchanger	-	Titanium PVC
Waterproof Class	-	IPX4
REFRIGERANT DATA		
Refrigerant Type	-	R410A
Charge Amount	(oz)	38.8
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)
ACIQ50		37.8	13.4	25.9