



Inverter Heat Pump for Swimming Pools		ACIQ90
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____	

Set Code	
Set Model	ACIQ90
Outdoor unit model	
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	

