

EvoHeat Pool Heat Pump Technical Specification Model: CS57

ELECTRICAL INPUT			
Voltage/phase	380-415Volts /3 /50Hz		
Amps Per Phase @24° Air	20.7 Amps		
Max Amps Per Phase	25.1 Amps		
PERFORMANCE	HEATING	HEATING	COOLING
	WINTER	SUMMER	
air on conditions	15 °CDB, 12°CWB	24 °CDB, 19°CWB	35 °CDB
Entering water temp	26°C	26°C	30°C
Normal capacity	48.1kw	57.1kw	36kw
power input	10.4kw	11.1kw	13.5kw
COP	4.61	5.14	2.7
Noise level	61d(B)A at 1m	61d(B)A at 1m	61d(B)A at 1m
TECHNICAL DATA			
	Compressor	Fan	
Make	SANYO	YDWF	
Type	Scroll	axial	
Number per unit	2	2	
Voltage/phase	380-415Volts /3 /50Hz		
Pole/RPM	2	830(Each)	
Air Flow	N/A	11000m3/hr total	
HEAT EXCHANGER(water side)			
Type of water tube		Titanium	
Design		Shell / Tube	
Flow Rate		325L/min	
By Pass(optional)		N/A	
Max Outlet water temp		40°C	
Design Pressure Drop		25kPa	
Max.Operating Pres.		800kPa	
GENERAL INFORMATION			
Pool Water	50mm PVC		
Drain	32mm collection		
Defrost	Reverse Cycle De-Ice and Thermotec Element		
Cabinet Construction	304 Stainless Chassis and Cabinet		
Approx.shipping weight	300kg		
Size L*W*H mm	1490x735x1130mm		

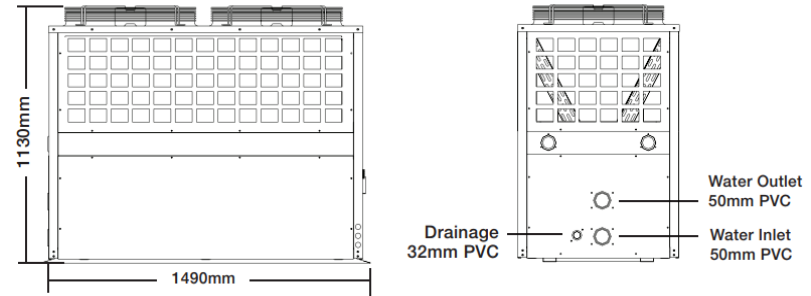
Available Upgrades

316 Stainless Chassis and Cabinet

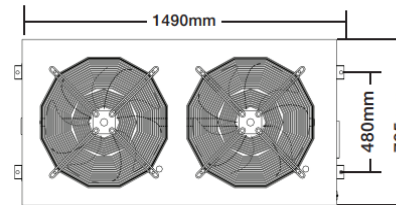
High Static Fans

Variable speed fan controllers

BMS Interface Control Systems



Horizontal Vision



Vertical Vision

Inclusions

Two Defrost Systems

EEV2 Refrigeration Control

V Evaporator

Ripple Fin Heat Exchanger

Goldtech Hydrophilic Fin Coating 2 Speed Fans

High Flow/Low Pressure Drop - Titanium Heat Exchangers

Direct Connect Ready

Tariff+ Timer Control

OFF -PEAK Tariff Optimizer

CS57

Water inlet: 26°C						
Ambient Temp(°C)	-5	2	7	15	24	30
Heating Capacity(KW)	19.2	29.4	39.8	48.1	57.1	60.5
COP	2.42	3.26	3.80	4.61	5.14	5.42

