

EvoHeat Pool Heat Pump Technical Specification Model: CS38

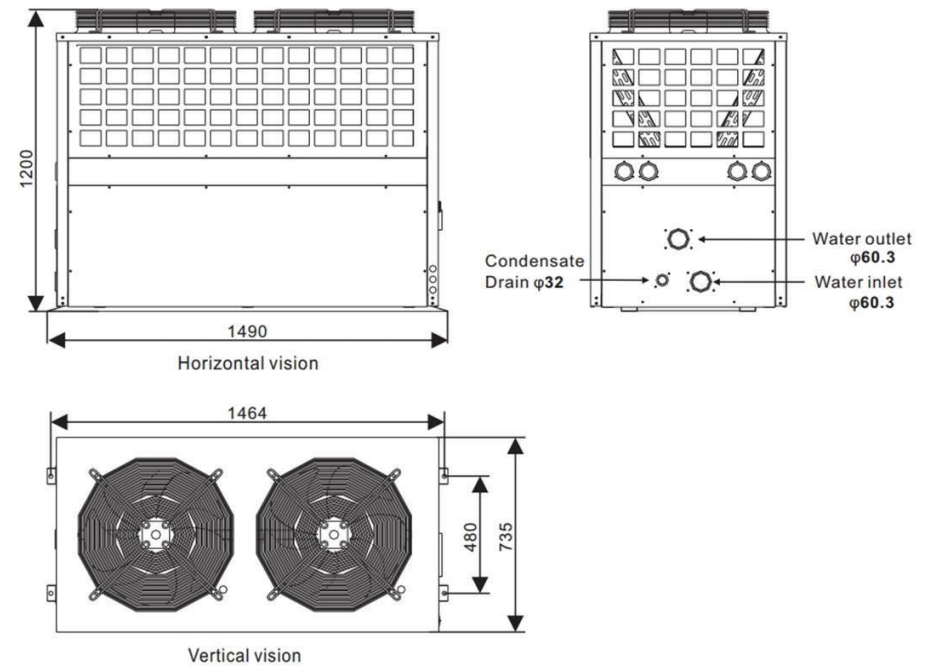
ELECTRICAL INPUT			
Voltage/phase	380-415Volts /3 /50Hz		
Amps Per Phase @24° Air	11.5 Amps		
Max Amps Per Phase	13.8 Amps		
PERFORMANCE	HEATING	HEATING	COOLING
	WINTER	SUMMER	
air on conditions	15°CDB, 12°CWB	24°CDB, 19°CWB	35°CDB
Entering water temp	26°C	26°C	30°C
Normal capacity	31.1kW	38kW	21.6kW
power input	6.9kW	7.16kw	7.9kW
COP	4.5	5.3	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		200L/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	270kg		
Size L*W*H mm	1490x735x1200mm		

Available Options

316 Stainless Chassis and Cabinet
 High Static Fans
 Variable speed fan controllers
 BMS Interface Control Systems



Models : CS38 SS304/CS47 SS304/CS57 SS304



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

Water inlet: 26°C						
Ambient Temp(°C)	-5	2	7	15	24	30
Heating Capacity(KW)	16.6	21.3	24.7	31.1	38.0	39.7
COP	2.57	3.21	3.60	4.50	5.30	5.61

