

EvoHeat Pool Heat Pump Technical Specification Model: CS47

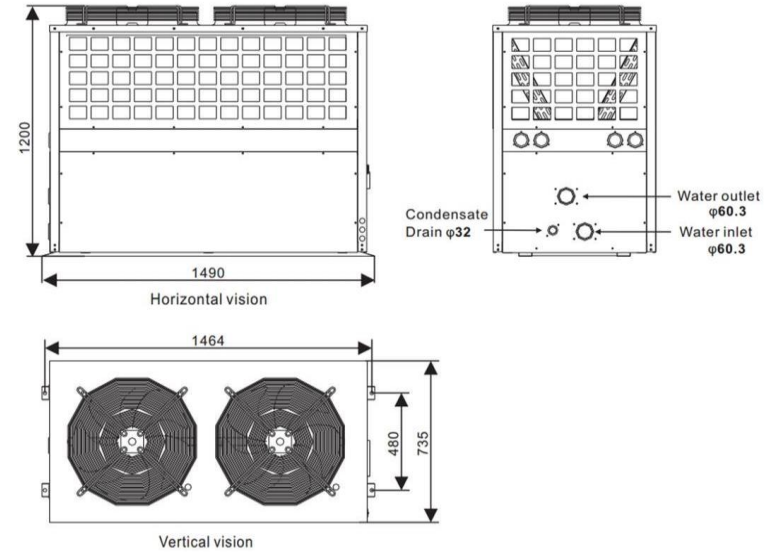
ELECTRICAL INPUT				
Voltage/phase	380-415Volts /3 /50Hz			
Amps Per Phase @24° Air	16.1 Amps			
Max Amps Per Phase	19.12 Amps			
PERFORMANCE		HEATING	HEATING	COOLING
	WINTER	SUMMER		
air on conditions	15°CDB, 12°CWB	24°CDB, 19°CWB	35°CDB	
Entering water temp	26°C	26°C	30°C	
Normal capacity	39.66kW	47kW	28.2kW	
power input	9.13kW	9.3kw	10.1kW	
COP	4.34	5.05	2.8	
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	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		250L/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	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	High Flow/Low Pressure Drop - Titanium Heat Exchangers
EEV2 Refrigeration Control	Direct Connect Ready
V Evaporator	Tariff+ Timer Control
Ripple Fin Heat Exchanger	OFF -PEAK Tariff Optimizer
Goldtech Hydrophilic Fin Coating	2 Speed Fans

CS47

Water inlet: 26°C						
Ambient Temp(°C)	-5	2	7	15	24	30
Heating Capacity(KW)	19.4	26.5	33.0	39.7	47.0	51.7
COP	2.71	3.27	4.05	4.34	5.05	5.52

