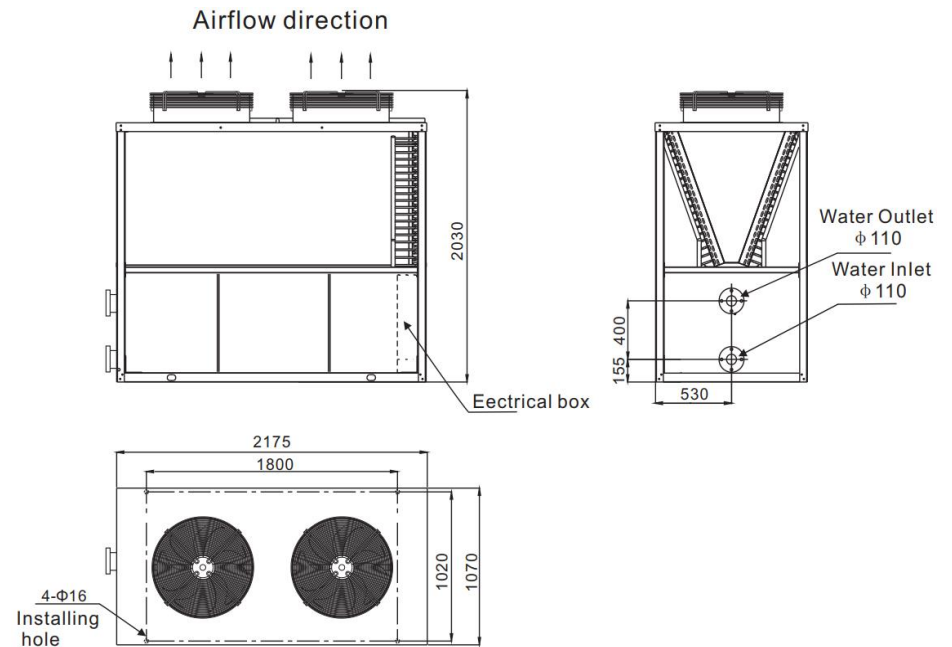


EvoHeat Pool Heat Pump Technical Specification Model: CS120-GEN2

ELECTRICAL INPUT			
Voltage/phase	380-415Volts /3 /50Hz		
Amps Per Phase @ 24°C air	38		
Max Amps Per Phase @ 43°C air	46		
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	103kW	120kW	80kW
power input	20.5kW	21 kw	25.8kW
COP	5.02	5.7	3.1
Noise level	62d(B)A at 1m	62d(B)A at 1m	62d(B)A at 1m
TECHNICAL DATA			
	Compressor	Fan	
Make	SANYO/COPELAND	KOMBO	
Type	Scroll	axial	
Number per unit	2	2	
Voltage/phase	380-415Volts /3 /50Hz	380-415Volts /3 /50Hz	
Pole/RPM	2	700(Each)	
Air Flow	N/A	20000m3/hr total	
HEAT EXCHANGER(water side)			
Type of water tube		Titanium	
Design		Shell / Tube	
Flow Rate		583L/min	
By Pass(optional)		N/A	
Max Outlet water temp		40°C	
Design Pressure Drop		25kPa	
Max.Operating Pres.		800kPa	
GENERAL INFORMATION			
Connection Type	DN110 flange		
Drain	32mm collection		
Defrost	Reverse Cycle De-Ice and Thermotec Element		
Cabinet Construction	304 Stainless Chassis and Cabinet		
Approx.shipping weight	694kg		
Size L*W*H	2175mm*1070mm*2030mm		

Available Upgrades

316 Stainless Chassis and Cabinet
 High Static Fans
 BMS Interface Control Systems
 Blygold Evaporator Coating



Inclusions

Two Defrost Systems	High Flow/Low Pressure Drop - 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

CS120

Water inlet: 26°C					
Ambient Temp(°C)	-7	2	7	15	24
Heating Capacity(KW)	51.0	68.8	78.0	103.0	120.0
COP	3.39	4.16	4.33	5.02	5.70

