

EVO POOL HEAT PUMP SPECIFICATION MODEL CS120

ELECTRICAL INPUT			
Voltage/phase	380-415Volts /3 /50Hz		
Amps Per Phase	38 Amps		
Min. Circuit Size	44 Amps		
PERFORMANCE			
	HEATING		COOLING
	WINTER	SUMMER	
air on conditions	15 °CDB, 12°CWB	24 °CDB, 19°CWB	35 °CDB
Entering water temp	27°C	27°C	30°C
Normal capacity	103kW	120kW	80kw
power input	20.5kW	21 kw	22kw
COP	5.02	5.7	3.6
Noise level	71d(B)A at 5m	71d(B)A at 5m	71d(B)A at 5m
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	14400m3/hr total	
HEAT EXCHANGER(water side)			
Type of water tube		Titanium	
Design		Shell / Tube	
Flow Rate		840L/min	
By Pass(optional)		N/A	
Max Outlet water temp		40°C	
Design Pressure Drop		25kPa	
Max.Operating Pres.		800kPa	
GENERAL INFORMATION			
Pool Water	DN110		
Drain	20mm collection		
Defrost	Reverse Cycle De-Ice		
Cabinet Construction	1.2mm powdercoated steel		
Approx.shipping weight	655kg		
Size L*W*H	2175mm*1070mm*2030mm		

Available Options

BMS Interface Control Systems

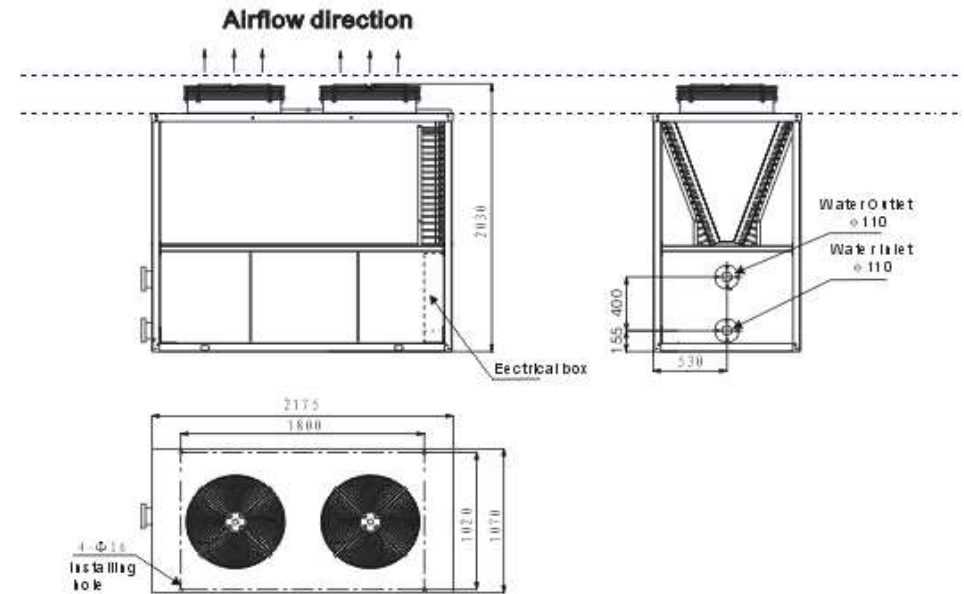
304 Stainless Chassis and Cabinet

316 Stainless Chassis and Cabinet

High Static Fans to suit client specification

Variable speed fan controllers

Blygold Evaporator Coating



Input/Output Water Temperature: 26°C/28°C

Ambient temperature(°C)	-7	2	7	15	24	30
Heating capacity(KW)	40.00	60.00	80.00	100.00	120.00	142.00
COP	2.48	3.10	4.10	5.00	5.50	5.70

