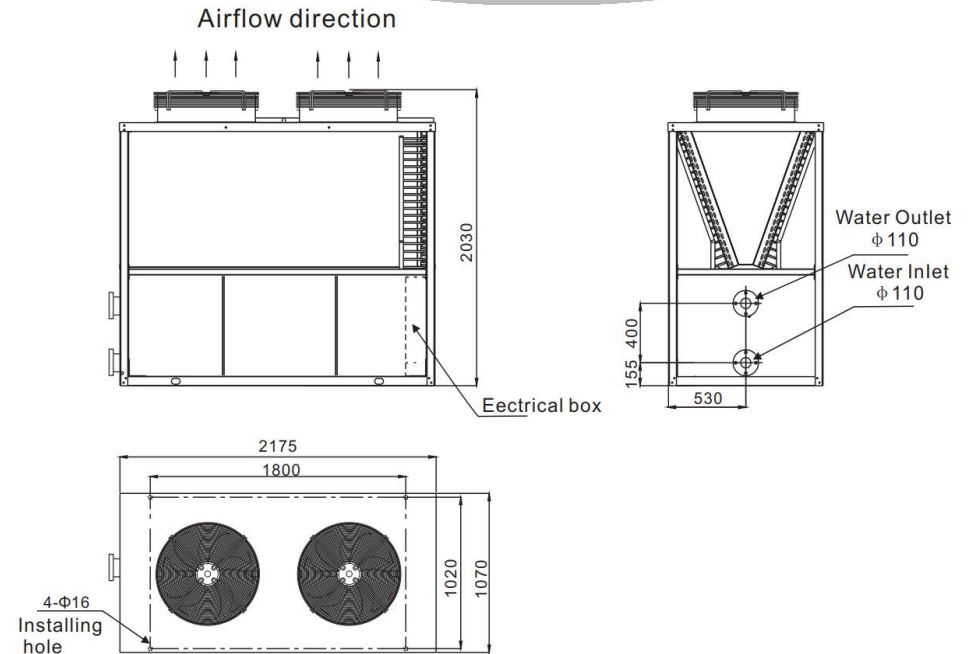


## EvoHeat Pool Heat Pump Technical Specification Model: CS145-GEN2

ELECTRICAL INPUT			
Voltage/phase	380-415Volts /3 /50Hz		
Amps Per Phase @24° Air	50		
Max Amps Per Phase	60		
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	120kW	145kW	97kW
power input	23.5kW	25.5kW	28kW
COP	5.11	5.69	3.5
Noise level	63d(B)A at 1m	63d(B)A at 1m	63d(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		
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	1033L/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	709kg		
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  
 EEV2 Refrigeration Control  
 V Evaporator  
 Ripple Fin Heat Exchanger  
 Goldtech Hydrophilic Fin Coating

High Flow/Low Pressure Drop - Titanium Heat Exchangers  
 Direct Connect Ready  
 Tariff+ Timer Control  
 OFF -PEAK Tariff Optimizer  
 2 Speed Fans

CS145

Water inlet: 26°C					
Ambient Temp(°C)	-7	2	7	15	24
Heating Capacity(KW)	57.3	70.7	100.0	120.0	145.0
COP	3.05	3.90	4.65	5.11	5.69

