COMMERCIAL HEAT PUMP SPECIFICATIONS

Model name	CAHP-HC-42I	
GENERAL INPUT		
Voltage/Phase	380V/3N ~ /50Hz	
Voltage range	380V±10%	
Rated heating capacity	42kW	
COP	4.39	
Max. out put water Temperature	55℃	
Rated water flow rate	7.2m3/h	
Rated power input HP	9.52kW	
Rated operation current	24.5A	
Max. Power input	15kW	
Max. Operation current	30A	
Operation noise	65dB(A)	
Refrigerant	R410A	
Refrigerant charge quantity	6.8Kg	
Refrigerant high pressure side	4.4MPa	
Refrigerant low pressure side	3.1MPa	
Water side design pressure	1.1MPa	
Water side pressure drop	≤100KPa	
Water connection size	DN40(R1 1/2)	
Waterproof class	IPX5	
Net weight	313Kg	
Dimensions (L x W x H)	1020x846x1840	
TECHNICAL DATA (for main parts)		
	Compressor	**Fan**
Maker	Copeland	AOS's vendor
Type	Scroll	Axial
Number per unit	1	1
Voltage / Phase	380V/3N ~ /50Hz	380V/3N ~ /50Hz
HEAT EXCHANGER (Condenser)		
Type of Condenser	Co-axial	
Material	Copper / Steel	
Type of design	Tube in Tube	
Flow Rate Excl. ByPass	7.2m3/h	
Max. Outlet Water Temp	55℃	
Design Pressure Drop	100KPa	
Max. Operating Pressure	1.5MPa	
EVAPORATOR		
Type	Fin-Copper Tube	
Material	Copper / Aluminum	
Anti sea salt corrosion coating	Anti-Corrosion Coating (optional)	
COVER		
Material	Galvanized Steel / Electro Static Power Coating Technology	
Anti sea salt corrosion coating	Painted	
APPLICATION STANDARD FOR PRODUCT		
GB 4706.1, GB 4706.32, GB 29541-2013		

Note:
Nominal heating capacity test conditions for one-time heating: outdoor dry/wet bulb temperature is 20/15°C; water inlet temperature is 15°C; water outlet temperature is 55°C

PRODUCT DIMENSIONS & SYSTEM DIAGRAM





