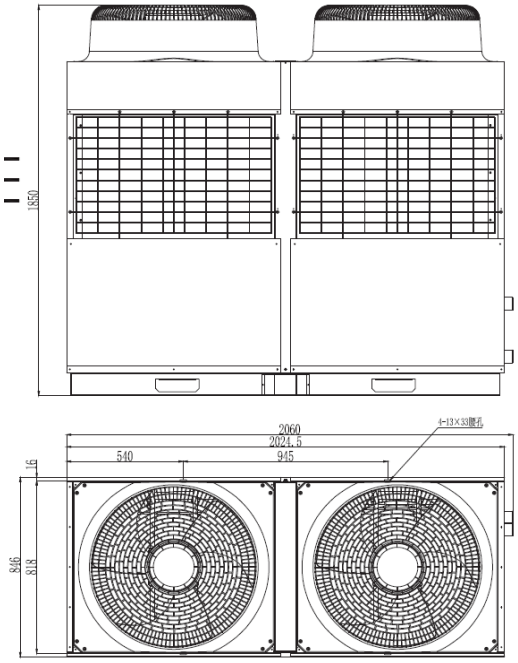
COMMERCIAL HEAT PUMP SPECIFICATIONS

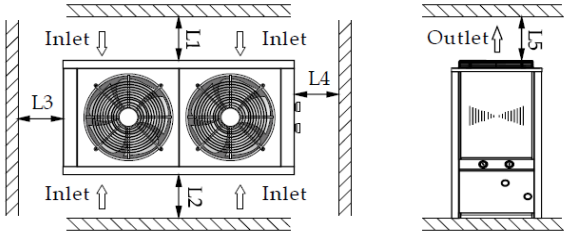
Model name	**CAHP-HC-84I**	
GENERAL INPUT		
Voltage/Phase	380V/3N ~ /50Hz	
Voltage range	380V±10%	
Rated heating capacity	84kW	
COP	4.39	
Max. out put water Temperature	**55℃**	
Rated water flow rate	14.4m3/h	
Rated power input HP	19.12kW	
Rated operation current	49A	
Max. Power input	30kW	
Max. Operation current	60A	
Operation noise	68dB(A)	
Refrigerant	R410A	
Refrigerant charge quantity	13.6Kg	
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	DN50(R2)	
Waterproof class	IPX5	
Net weight	603Kg	
Dimensions (L x W x H)	2060x846x1850	
TECHNICAL DATA (for main parts)		
	Compressor	**Fan**
Maker	Copeland	AOS's vendor
Type	Scroll	Axial
Number per unit	2	2
Full Load Amps	29.8	
Voltage / Phase	380V/3N ~ /50Hz	380V/3N ~ /50Hz
Pole/RPM	2/2900	8/720
Air flow		26000m3/h
HEAT EXCHANGER (Condenser)		
Type of Condenser	Co-axial	
Material	Copper / Steel	
Type of design	Tube in Tube	
Flow Rate Excl. ByPass	14.4m3/h	
Max. Outlet Water Temp	60℃	
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

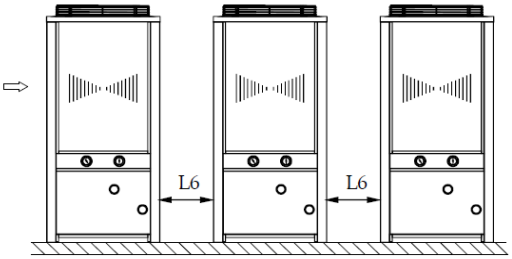
PRODUCT DIMENSIONS & SYSTEM DIAGRAM



- Single installation



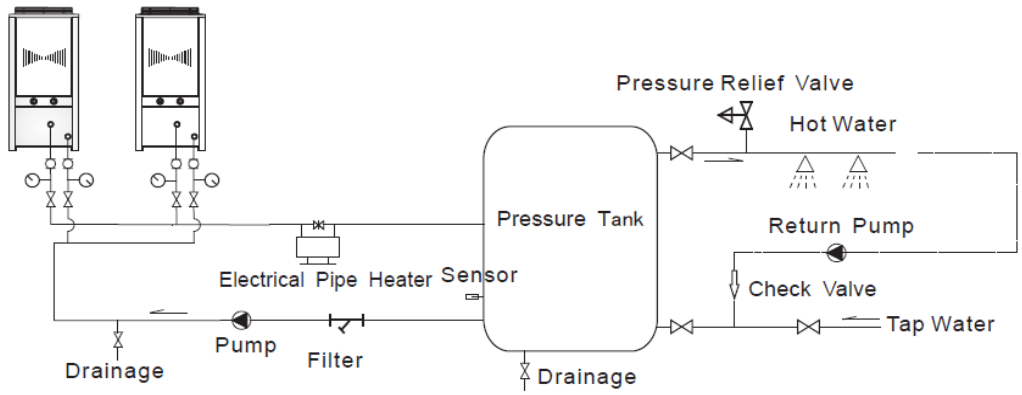
- Multiple installation



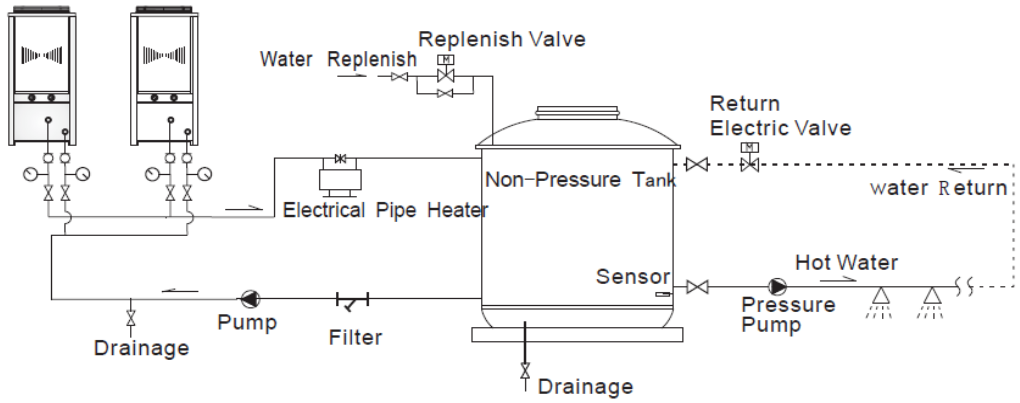
Unit: m

Example	L1	L2	L3	L4	L5	L6
Distances	>1	>1	>1	>1	>2.5	>1

Heat Pump



Heat Pump



HEATING CAPACITY & COP CURVE

