

Evaporative Condenser

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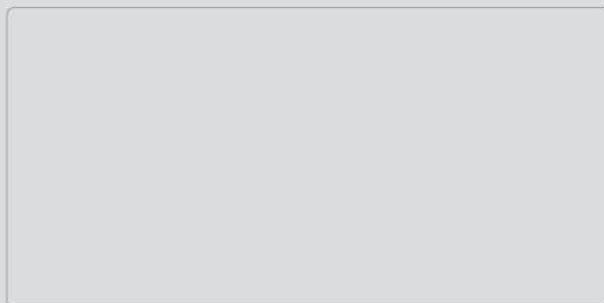
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Snowkey

Famous Trademark of China, industry standard setting participant.
A-share listed company, one-stop refrigeration system expert.

Advanced Patent Technology

Excellent heat transfer performance
First-class service quality



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Product Features

Structural design optimization, modular design
High corrosion resistance design
Low noise
Low energy consumption
Easy to repair and maintain
Small initial investment

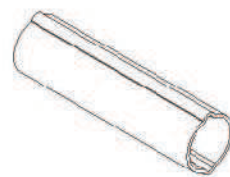
In the refrigeration system, the evaporative condenser is more economical and effective than the general condenser equipment (such as air-cooled or tube-shell + cooling tower). The Snowman company's products are well designed, compact structure, small footprint, easy to install, site engineering installation amount is less, greatly reduce the site installation costs. Use of Snowman company's evaporative condenser, the initial investment is small.
Low operating cost

Compared with the air-cooled condenser and water-cooled condenser, the evaporative condenser has a high efficiency, saving about 1/2 of the energy consumption, and the circulating water only accounts for 1/8 of the water-cooled condenser, through the test evaluation, the evaporative condenser heat dissipation performance is better than water-cooled type, unit cooling cost is the lowest, the performance is the best. The Snowman company evaporative condenser has the advantages of low operating cost, long life, low maintenance cost, water and electricity saving, economic and effective.



High efficiency heat transfer coil (patent)

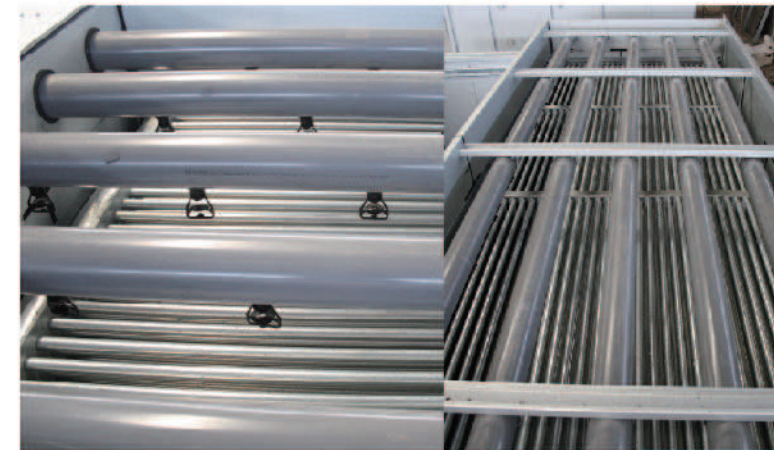
The high-efficiency irregular shaped heat transfer coil is manufactured by the patented technology of the company. The ultra-long special high-frequency welded steel pipe made of Shougang high-quality strip steel is adopted. The wall of the pipe is uniform and the heat exchange efficiency is high. The heat exchange tube is designed by patent. Compared with the ordinary round tube, it can effectively prevent the generation of "dry point" when spraying water, and its heat transfer performance is greatly improved. After installation, the heat exchanger coil was tested at a pressure of 2.5MPa and treated with integral hot dipping zinc.



Irregular shaped pipe



Product Features



Box

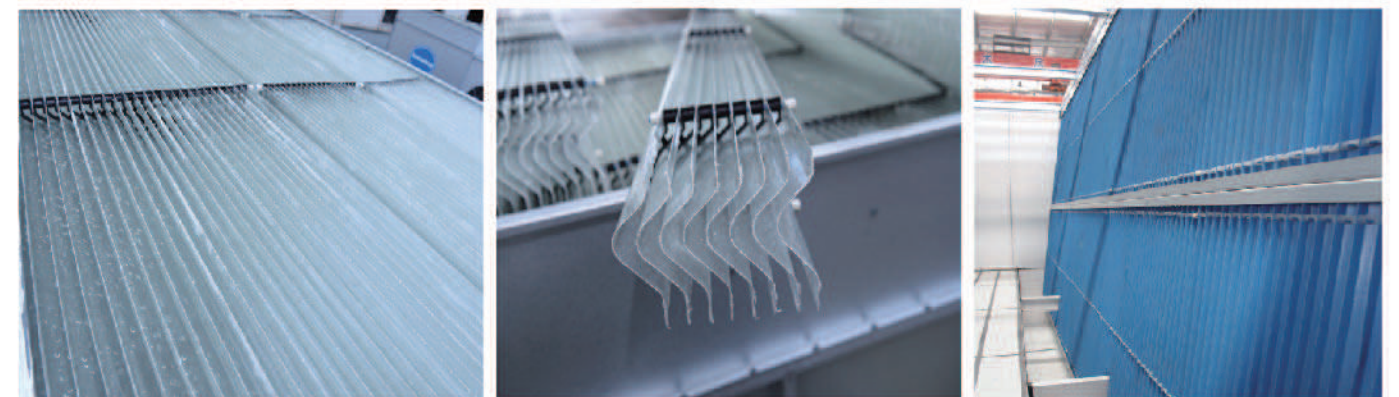
Made by 2mm thick aluminum zinc plate imported from Korean, the catchwater channel can choose stainless steel, The section of the plate shall be coated with zinc paint to prevent corrosion. It has the characteristics of high strength and strong corrosion resistance.

Water Spray System

Water spray design that can be directly repaired can also be simple and fast maintenance when running. Nozzles and coils use high-flow, anti-clogging basket nozzles that remain unclogging even under the worst operating conditions. The nozzle is fixed on the anticorrosive PVC water distribution pipe. Through precise calculation, the heat exchange pipe can be guaranteed to be covered continuously and evenly, avoiding the "dry point" of water film on the pipe wall.

Water Receiver (Water Baffle)

Equipped with efficient water collector, it can effectively remove the water droplets in the exhaust air stream, so that the circulating water drift rate is less than 0.001%. The water collector is made of corrosion-resistant fiberglass material with multi-channel design to achieve the best anti-drift effect. The water receiver is installed in groups and easy to disassemble, so as to overhaul the internal water distribution system and other components. In addition to reducing the drift rate, the water collector also protects the unit from debris falling into the unit and sunlight entering the unit.



Product Features

Fan

The axial flow fan of SEC-type evaporative condenser is made of aluminum alloy hollow injection molding blade which is corrosion-resistant. The fan is installed in the air duct with streamlined inlet, and the air is discharged through the air duct. The clearance volume at the top is small, which greatly improves the efficiency of the fan.

SLC, VC/SVC fan impeller is front bend centrifugal design, hot-dip galvanized steel structure. All blades are tested for dynamic and static balance, and installed in a hot dip galvanized steel vortex shell, and the support of the centrifugal fan is made of high-strength Angle steel, which greatly increases the stability and extends the service life of the fan. Due to its inherent low noise characteristics, centrifugal fan is especially suitable for the occasion that requires low noise and external static pressure. In addition, because the noise generated by the fan is directional. Therefore, the noise problem can be avoided by moving the unilateral inlet end of the unit away from the noise-sensitive area.

PVC Heat Exchange Layer

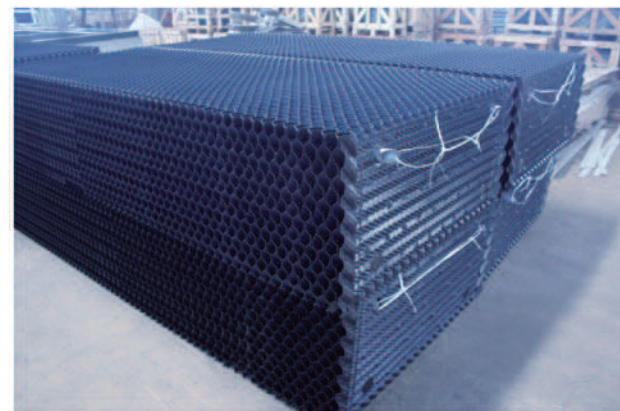
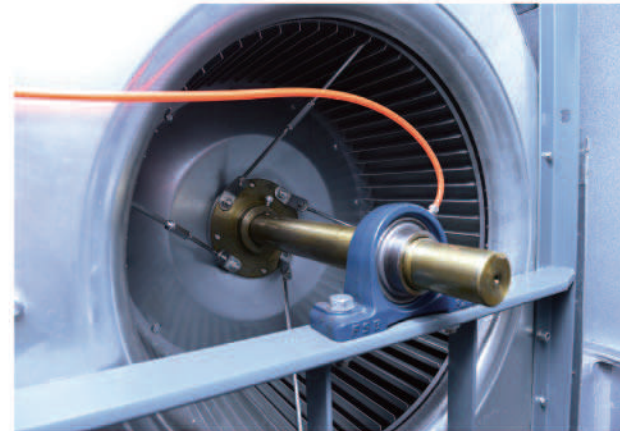
SEC series evaporative condenser equipped with PVC heat exchange layer, using high efficiency polyvinyl chloride material, to prevent biochemical corrosion and biochemical erosion, not embrittlement, anti-aging. Honeycomb cross flow structure, can distribute cooling water evenly, improve cooling water heat transfer efficiency.

Circulating Water Pump

Using the famous brand of evaporative condenser special water pump, with the advantages of small power, large flow, low head, low noise, outdoor design, long service life, and scale remover can be assembled according to customer requirements.

Special Sealing Technology

Using the Japanese technology and United States imported high temperature resistant polyurethane sealant for sealing. The sealant has the characteristics of resistance to high temperature and low temperature. By using the Japanese technology to solidify and shape, the sealant looks smooth and good-looking, and has very good scalability, achieving long-term leakproof effect.



SEC Series

SEC series evaporative condenser uses suction type design, and adopts top mounted axial flow fan and secondary PVC heat exchange filler, which is the most efficient heat exchange equipment in all series. However, the whole equipment has a large size, and it is generally used in chemical industry, steel, coal, medicine, food processing, beer and other fields. SEC series evaporative condenser has maintenance channel inside the equipment, Maintenance personnel can easily and quickly change the water baffle, PVC heat exchange filler, etc, it is easy to inspect and maintain for the fan motor (simple ladder for optional accessories).

SEC series applicable conditions

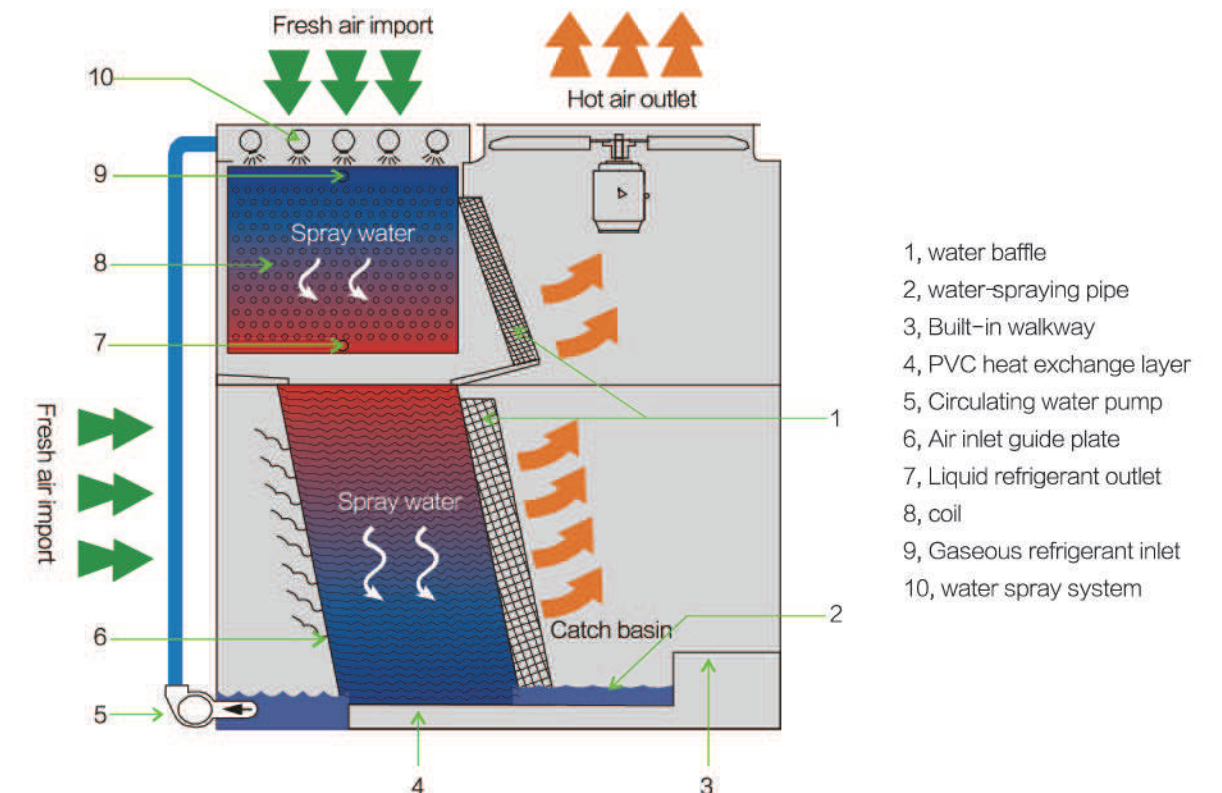
Refrigerants: R717, R22 and other CFCS

Heat output: 320~2490 (kW)

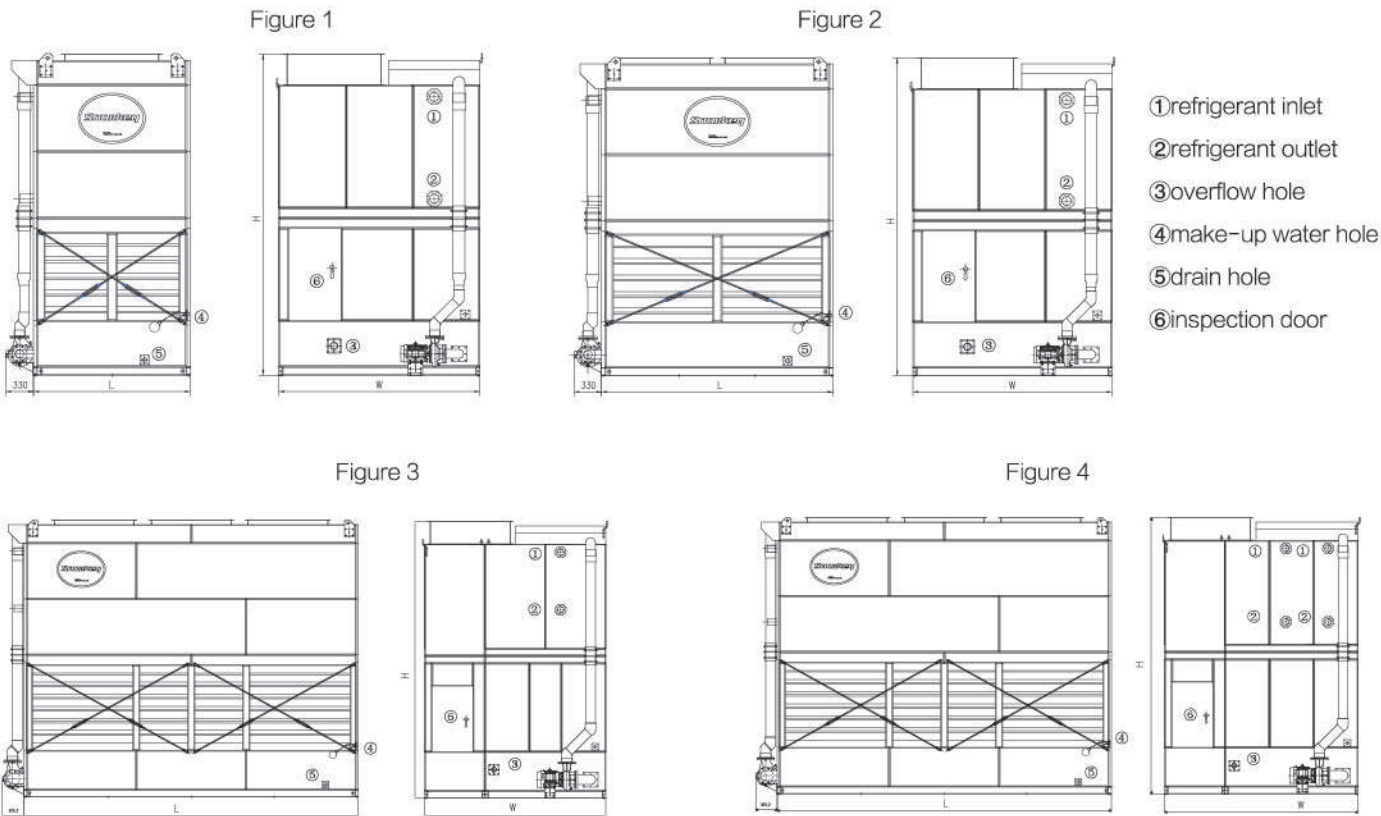
The water quality of cooling water should meet the requirements of GB50050 "design specification for treatment of industrial circulating cooling water".



Operating cshematic diagram of SEC series



Dimensions of SEC series evaporative condenser



Type	Outline Dimension			Diagram
	L (mm)	W (mm)	H (mm)	
SEC-320	1870	2395	3825	Figure 1
SEC-345	1870	2395	3825	Figure 1
SEC-365	1870	2395	3825	Figure 1
SEC-385	1870	2395	3825	Figure 1
SEC-400	1870	2395	3825	Figure 1
SEC-505C	3250	2200	3825	Figure 2
SEC-530C	3250	2200	3825	Figure 2
SEC-565C	3250	2200	3825	Figure 2
SEC-590C	3250	2200	3825	Figure 2
SEC-635C	3250	2200	3825	Figure 2
SEC-660C	4200	2200	4570	Figure 2
SEC-710C	4200	2200	4570	Figure 2
SEC-745C	4200	2200	4570	Figure 2
SEC-795C	4200	2200	4570	Figure 2
SEC-835C	4200	2200	4570	Figure 2
SEC-895C	4200	2200	4570	Figure 2
SEC-920C	4200	2200	4570	Figure 2
SEC-990C	4800	2200	4835	Figure 2
SEC-1035C	4800	2200	4835	Figure 2
SEC-1090C	4800	2200	4835	Figure 2
SEC-1115C	4800	2200	4835	Figure 2
SEC-1135C	4800	2200	4835	Figure 2
SEC-1160C	4800	2200	4835	Figure 2
SEC-1195C	4800	2200	4835	Figure 2
SEC-1205C	4800	2200	4835	Figure 2
SEC-1240C	4800	2200	4835	Figure 2
SEC-1245C	4800	2200	4835	Figure 2
SEC-1275C	4800	2200	4835	Figure 2

Type	Outline Dimension			Diagram
	L (mm)	W (mm)	H (mm)	
SEC-1220C	5530	2200	4835	Figure 2
SEC-1255C	5530	2200	4835	Figure 2
SEC-1280C	5530	2200	4835	Figure 2
SEC-1320C	5530	2200	4835	Figure 2
SEC-1335C	5530	2200	4835	Figure 2
SEC-1370C	5530	2200	4835	Figure 2
SEC-1410C	5530	2200	4835	Figure 2
SEC-1455C	5530	2995	4570	Figure 3
SEC-1525C	5530	2995	4570	Figure 3
SEC-1585C	5530	2995	4570	Figure 3
SEC-1635C	5530	2995	4570	Figure 3
SEC-1670C	5530	2995	4570	Figure 3
SEC-1705C	5530	2995	4570	Figure 3
SEC-1760C	5530	2995	4570	Figure 3
SEC-1775C	5530	2995	4570	Figure 3
SEC-1825C	5530	2995	4570	Figure 3
SEC-1840C	5530	2995	4570	Figure 3
SEC-1875C	5530	2995	4570	Figure 3
SEC-1795C	5530	3200	4570	Figure 4
SEC-1845C	5530	3200	4570	Figure 4
SEC-1885C	5530	3200	4570	Figure 4
SEC-1945C	5530	3200	4570	Figure 4
SEC-1960C	5530	3200	4570	Figure 4
SEC-2020C	5530	3200	4570	Figure 4
SEC-2035C	5530	3200	4570	Figure 4
SEC-2075C	5530	3200	4570	Figure 4
SEC-2490C	5530	3200	4835	Figure 4

Note: 1. The external dimension of SEC series evaporative condenser does not include the water pump part.

2. The above products are standard and can be designed separately according to customer requirements.

3. The dimensions may be changed due to the improvement of the product without prior notice.

Technical data of SEC series evaporative condenser

Type	Heat rejection (kW)	Weight (kg)		Fan		Circulating Water Pump		Ammonia Filling Volume (kg)
		Net Weight	Operation	Air Flow (m³/h)	Power (kW)	Flow (m³/h)	Power (kW)	
SEC-320	320	2400	3420	41000	3	60	1.5	33
SEC-345	345	2430	3450	50000	4	60	1.5	33
SEC-365	365	2430	3620	55000	5.5	60	1.5	33
SEC-385	385	2570	3620	50000	4	60	1.5	41
SEC-400	400	2570	3630	55000	5.5	60	1.5	41
SEC-505C	505	3400	5110	41000-41000	3.0-3.0	75	2.2	52
SEC-530C	530	3430	5110	50000-50000	4.0-4.0	75	2.2	52
SEC-565C	565	3450	5030	55000-50000	5.5-4.0	75	2.2	52
SEC-590C	590	3650	5270	50000-50000	4.0-4.0	75	2.2	66
SEC-635C	635	3690	5290	55000-50000	5.5-4.0	75	2.2	66
SEC-660C	660	4190	6320	50000-50000	4.0-4.0	170	3.7	68
SEC-710C	710	4220	6340	55000-50000	5.5-4.0	170	3.7	68
SEC-745C	745	4230	6350	55000-55000	5.5-5.5	170	3.7	68
SEC-795C	795	4520	6680	55000-50000	5.5-4.0	170	3.7	85
SEC-835C	835	4530	6690	55000-55000	5.5-5.5	170	3.7	85
SEC-895C	895	4600	7000	55000-50000	5.5-4.0	170	3.7	103
SEC-920C	920	4610	7010	55000-55000	5.5-5.5	170	3.7	103
SEC-990C	990	5010	7480	41000-41000-41000	3.0-3.0-3.0	170	3.7	98
SEC-1035C	1035	5010	7480	50000-41000-41000	4.0-3.0-3.0	170	3.7	98
SEC-1090C	1090	5040	7510	50000-50000-41000	4.0-4.0-3.0	170	3.7	98
SEC-1115C	1115	5040	7510	50000-50000-50000	4.0-4.0-4.0	170	3.7	98
SEC-1135C	1135	5050	7520	41000-41000-41000	3.0-3.0-3.0	170	3.7	138
SEC-1160C	1160	5890	8490	50000-41000-41000	4.0-3.0-3.0	170	3.7	118
SEC-1195C	1195	5450	7980	50000-41000-41000	4.0-3.0-3.0	170	3.7	138
SEC-1205C	1205	5480	8010	50000-50000-41000	4.0-4.0-3.0	170	3.7	118
SEC-1240C	1240	5930	8530	50000-50000-41000	4.0-4.0-3.0	170	3.7	138
SEC-1245C	1245	5490	8020	50000-50000-50000	4.0-4.0-4.0	170	3.7	118
SEC-1275C	1275	5930	8530	50000-50000-50000	4.0-4.0-4.0	170	3.7	138
SEC-1220C	1220	5850	9050	50000-50000-41000-41000	4.0-4.0-3.0-3.0	240	5.5	136
SEC-1255C	1255	6340	9610	50000-41000-41000-41000	4.0-3.0-3.0-3.0	240	5.5	159
SEC-1280C	1280	5880	9080	50000-50000-50000-41000	4.0-4.0-4.0-3.0	240	5.5	136
SEC-1320C	1320	6360	9630	50000-50000-41000-41000	4.0-4.0-3.0-3.0	240	5.5	159
SEC-1335C	1335	5900	9100	50000-50000-50000-50000	4.0-4.0-4.0-4.0	240	5.5	136
SEC-1370C	1370	6380	9650	50000-50000-50000-41000	4.0-4.0-4.0-3.0	240	5.5	159
SEC-1410C	1410	6380	9650	50000-50000-50000-50000	4.0-4.0-4.0-4.0	240	5.5	159
SEC-1455C	1455	7110	10840	75000-75000-75000	5.5-5.5-5.5	240	5.5	147
SEC-1525C	1525	7130	10850	78000-75000-75000	7.5-5.5-5.5	240	5.5	147
SEC-1585C	1585	7180	10900	78000-78000-75000	7.5-7.5-5.5	240	5.5	147
SEC-1635C	1635	7190	10910	78000-78000-78000	7.5-7.5-7.5	240	5.5	147
SEC-1670C	1670	8440	12350	75000-75000-75000	5.5-5.5-5.5	240	5.5	218
SEC-1705C	1705	7800	11630	78000-75000-75000	7.5-5.5-5.5	240	5.5	182
SEC-1760C	1760	8490	12400	78000-75000-75000	7.5-5.5-5.5	240	5.5	218
SEC-1775C	1775	7850	11670	78000-78000-75000	7.5-7.5-5.5	240	5.5	182
SEC-1825C	1825	7860	11680	78000-78000-78000	7.5-7.5-7.5	240	5.5	182
SEC-1840C	1840	8530	12440	78000-78000-75000	7.5-7.5-5.5	240	5.5	218
SEC-1875C	1875	8530	12440	78000-78000-78000	7.5-7.5-7.5	240	5.5	218
SEC-1795C	1795	8450	13270	75000-75000-75000	5.5-5.5-5.5	240	5.5	208
SEC-1845C	1845	9180	14100	75000-75000-75000	5.5-5.5-5.5	240	5.5	250
SEC-1885C	1885	8490	13310	78000-75000-75000	7.5-5.5-5.5	240	5.5	208
SEC-1945C	1945	9230	14140	78000-75000-75000	7.5-5.5-5.5	240	5.5	250
SEC-1960C	1960	8540	13360	78000-78000-75000	7.5-7.5-5.5	240	5.5	208
SEC-2020C	2020	8550	13360	78000-78000-78000	7.5-7.5-7.5	240	5.5	208
SEC-2035C	2035	9260	14180	78000-78000-75000	7.5-7.5-5.5	240	5.5	250
SEC-2075C	2075	9270	14190	78000-78000-78000	7.5-7.5-7.5	240	5.5	250
SEC-2490C	2490	10680	16120	78000-78000-78000	7.5-7.5-7.5	270	7.5	333

SLC Series

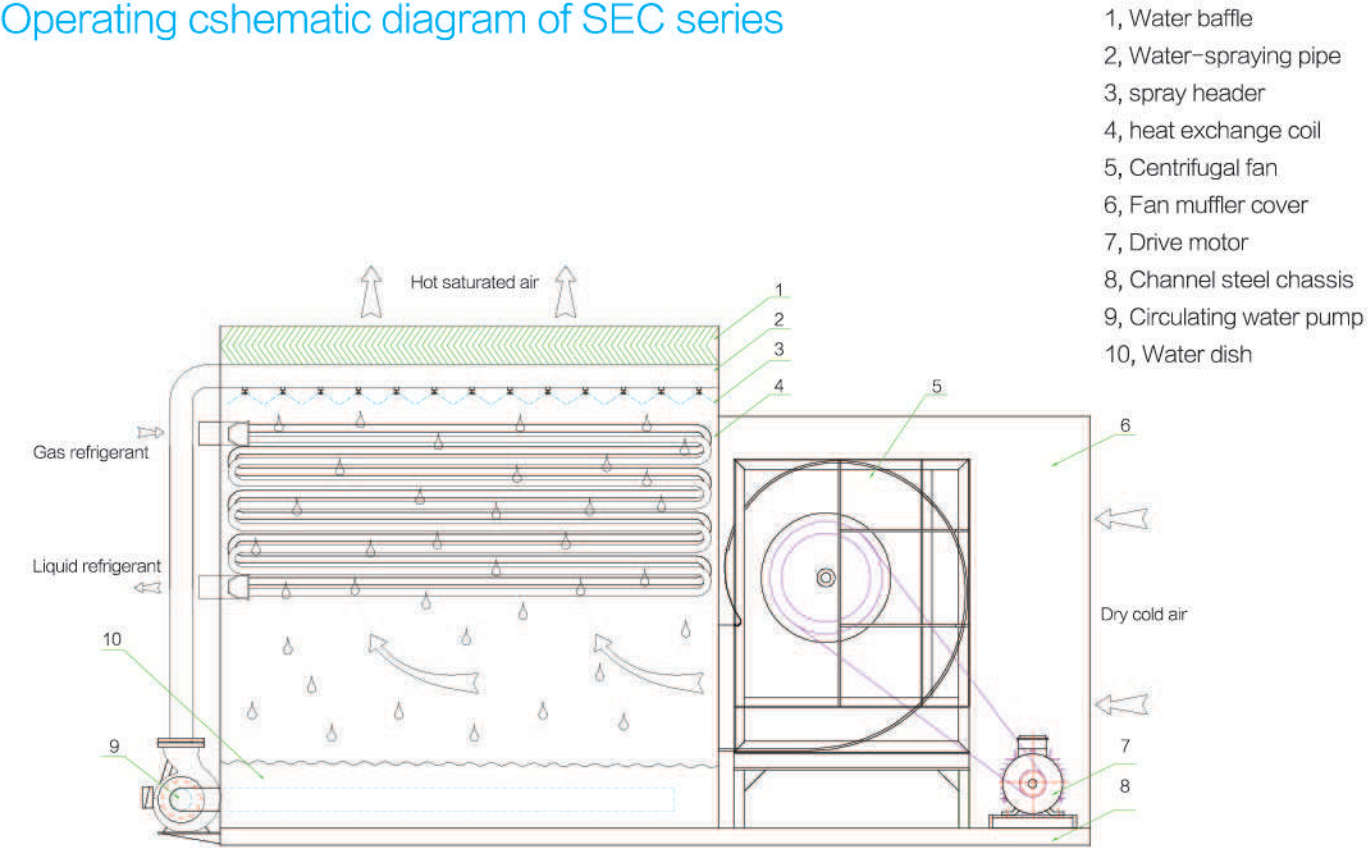
SLC series evaporative condenser adopts the design of air blowing, and adopts the centrifugal fan with belt drive on the side of the equipment for air blowing, which has the characteristics of low noise, low height and convenient container transportation. The belt drive part of the equipment can be easily maintained from the outside, and the inspection hole is opened on the side of the box, so that the equipment can be easily entered into the inside for maintenance. This series evaporative condenser is the most convenient maintenance in several series. This series of evaporative condensers is compact in design and has been assembled before transportation, thus saving transportation costs and the higher costs required for on-site assembly.

SLC Series Applicable Conditions

Refrigerants: R22, R717, etc
The water quality of cooling water should meet the requirements of GB50050 "design specification for treatment of industrial circulating cooling water".



Operating cshematic diagram of SEC series



Dimensions of SLC series evaporative condenser

Figure 1

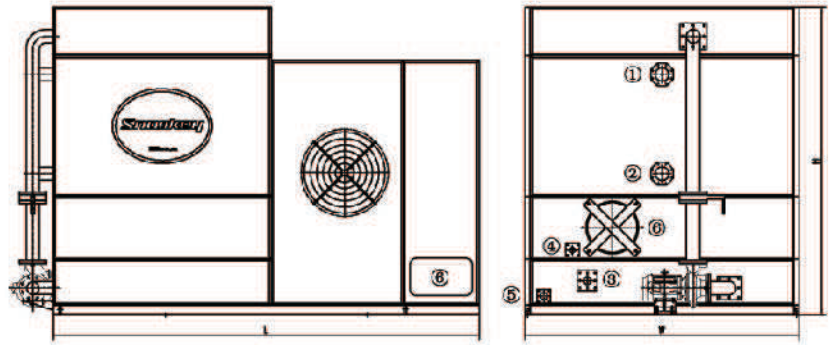
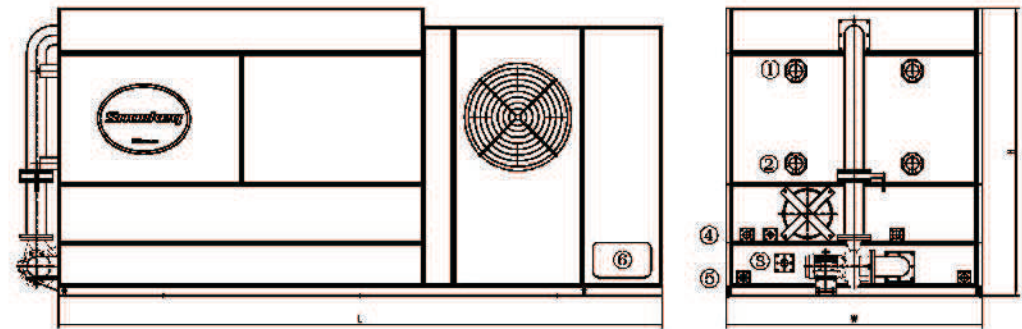


Figure 2



- ①refrigerant inlet
- ②refrigerant outlet
- ③overflow hole
- ④make-up water hole
- ⑤drain hole
- ⑥inspection door

Type	Outline Dimension			Diagram
	L (mm)	W (mm)	H (mm)	
SLC-100	2250	1400	2270	Figure 1
SLC-150	2670	1400	2270	Figure 1
SLC-230	2900	1700	2270	Figure 1
SLC-280	3050	1700	2270	Figure 1
SLC-320	3420	1700	2470	Figure 1
SLC-370	3620	1700	2470	Figure 1
SLC-450	3420	2200	2470	Figure 1
SLC-520	3670	2200	2470	Figure 1
SLC-600	4140	2200	2470	Figure 2
SLC-700	4250	2200	2470	Figure 2
SLC-750	4420	2200	2470	Figure 2

Type	Outline Dimension			Diagram
	L (mm)	W (mm)	H (mm)	
SLC-800	4590	2200	2470	Figure 2
SLC-850	4770	2200	2470	Figure 2
SLC-920	5020	2200	2470	Figure 2
SLC-970	5190	2200	2470	Figure 2
SLC-1020	5350	2200	2470	Figure 2
SLC-1070	5520	2200	2470	Figure 2
SLC-1120	5750	2200	2470	Figure 2
SLC-1240	5900	2200	2470	Figure 2
SLC-1500	6560	2200	2940	Figure 2
SLC-2000	6710	2200	2940	Figure 2

Note: 1. The external dimension of SLC series evaporative condenser does not include the water pump part.
2. The above products are standard and can be designed separately according to customer requirements.
3. The dimensions may be changed due to the improvement of the product without prior notice.

Technical data of STC series evaporative condenser

Type	Heat Rejection (kW)	Weight (kg)		Fan			Circulating Water Pump			Ammonia Filling Volume (kg)	Water Usage (L/h)
		Net Weight	Operation	Air Flow (m³/h)	Power (kW)	Number of units	Flow (m³/h)	Power (kW)	Number of units		
SLC-100	100	980	1540	12000	1.5/2.2	1	60	1.5	1	20	112.0
SLC-150	150	1150	1820	15000	2.2/2.8	1	60	1.5	1	26	168.0
SLC-230	230	1540	2240	17000	2.2/2.8	1	60	1.5	1	34	257.6
SLC-280	280	1840	2640	17000	2.2/2.8	1	60	1.5	1	42	313.6
SLC-320	320	1975	2850	27500	4.5/6.0	1	60	1.5	1	44	358.4
SLC-370	370	2175	3050	27500	4.5/6.0	1	75	2.2	1	46	414.4
SLC-450	450	2480	3640	28500	4.5/6.0	1	75	2.2	1	57	504.0
SLC-520	520	2550	3900	29800	4.5/6.0	1	75	2.2	1	60	582.0
SLC-600	600	2870	4400	38500	6.0/8.0	1	75	2.2	1	78	672.0
SLC-700	700	3100	4720	48000	6.0/8.0	1	75	2.2	1	83	784.0
SLC-750	750	3250	4900	48000	6.0/8.0	1	75	2.2	1	92	840.0
SLC-800	800	3820	5580	55000	7.5/10.0	1	114	2.2	1	113	896.0
SLC-850	850	3980	5850	59000	7.5/10.0	1	114	2.2	1	121	952.0
SLC-920	920	4320	6320	62000	7.5/10.0	1	114	2.2	1	133	1030.4
SLC-970	970	4500	6600	62000	7.5/10.0	1	114	2.2	1	139	1086.4
SLC-1020	1020	4700	6900	65000	9.0/12.0	1	130	2.2	1	146	1142.4
SLC-1070	1070	4980	7320	65000	9.0/12.0	1	130	2.2	1	154	1198.4
SLC-1120	1120	5150	7640	70000	9.0/12.0	1	130	2.2	1	162	1254.4
SLC-1240	1240	5300	7890	70000	9.0/12.0	1	130	2.2	1	168	1388.8
SLC-1500	1500	6570	8740	80000	9.0/12.0	1	170	3.7	1	203	1650.0
SLC-2000	2000	7340	9550	135000	20.0/30.0	1	240	5.5	1	270	2200.0

VC/SVC series

VC/SVC series evaporative condenser adopts the design of air blowing type, centrifugal fan is installed at the bottom of the equipment and integrated with the water disc, this series of evaporative condenser noise is very small because the use of belt drive system, suitable for noise sensitive occasions. The centrifugal fan can eliminate static pressure loss and is suitable for indoor installation. The series of evaporative condensers can also be transported in containers.

VC/SVC series evaporative condenser is also very convenient to maintain, and the shell plate on both sides of the fan can be removed, easily access to the whole belt drive system.

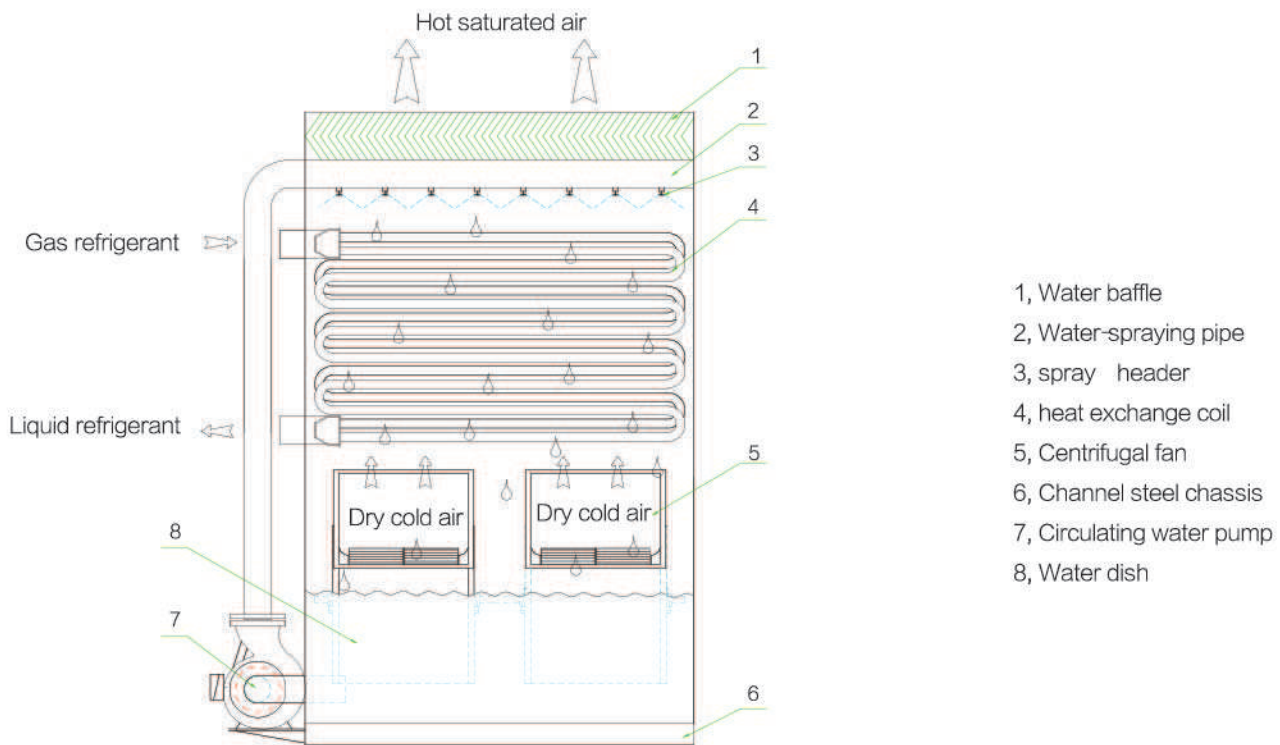
VC/SVC series applicable conditions

Refrigerants: R22, R717, ect.

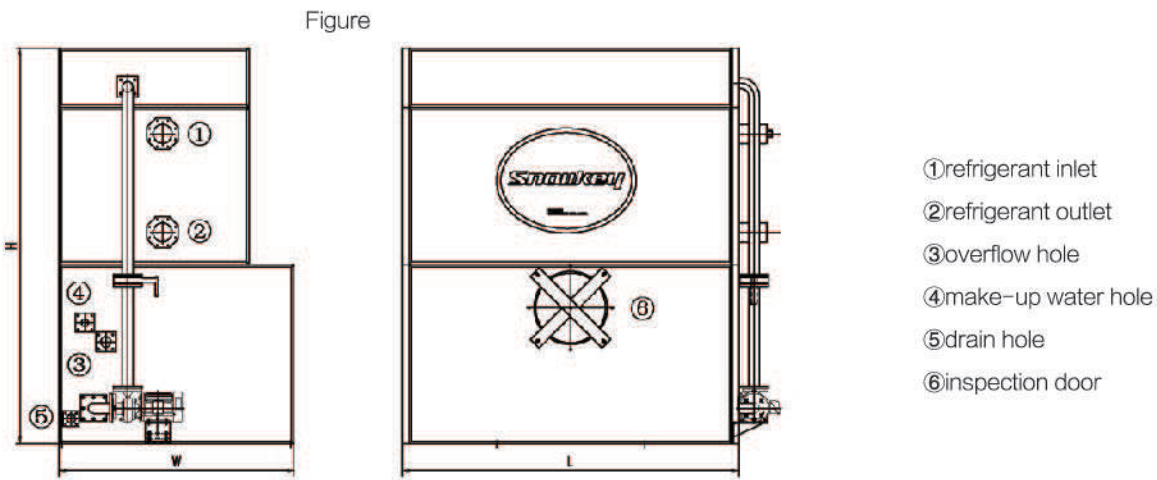
The water quality of cooling water should meet the requirements of GB50050 "design specification for treatment of industrial circulating cooling water".



VC/SVC series operation schematic diagram



Dimensions of VC series evaporative condenser



Type	Outline Dimension			Diagram
	L (mm)	W (mm)	H (mm)	
VC-10	950	1350	2270	Figure
VC-15	950	1350	2270	Figure
VC-20	950	1350	2500	Figure
VC-25	950	1350	2500	Figure
VC-30	1930	1350	2270	Figure
VC-38	1930	1350	2500	Figure

Type	Outline Dimension			Diagram
	L (mm)	W (mm)	H (mm)	
VC-46	1930	1350	2500	Figure
VC-52	1930	1460	2500	Figure
VC-58	1930	1500	2500	Figure
VC-65	1930	1670	2500	Figure
VC-72	2780	1500	2270	Figure
VC-80	2780	1500	2500	Figure
VC-90	2780	1500	2500	Figure

Note: 1. The external dimension of SVC series evaporative condenser does not include the water pump part.
2. The above products are standard and can be designed separately according to customer requirements.
3. The dimensions may be changed due to the improvement of the product without prior notice.

VC series evaporative condenser technical data

Type	Heat Rejection (kW)	Weight (kg)		Fan			Circulating Water Pump			Ammonia Filling Volume (kg)	Water Usage (L/h)
		Net Weight	Operation	Air Flow (m³/h)	Power (kW)	Number of units	Flow (m³/h)	Power (kW)	Number of units		
VC-10	43	633	710	5500	0.85/1.1	1	22	0.75	1	8	48.2
VC-15	65	673	750	7000	1.3/1.8	1	22	0.75	1	9	72.8
VC-20	86	712	810	8000	1.5/2.2	1	22	0.75	1	11	96.3
VC-25	108	768	850	10000	1.5/2.2	1	22	0.75	1	14	121.0
VC-30	130	920	1080	14000	2.2/2.8	1	22	0.75	1	17	145.6
VC-38	164	1023	1210	16000	2.2/2.8	1	22	0.75	1	19	183.7
VC-46	198	1150	1380	16000	2.2/2.8	1	22	0.75	1	21	221.8
VC-52	224	1290	1740	16000	2.2/2.8	1	45	1.5	1	29	250.9
VC-58	250	1320	1880	18000	2.2/2.8	1	45	1.5	1	31	280.0
VC-65	280	1650	2350	20000	3.0/4.0	1	60	1.5	1	38	313.6
VC-72	310	1730	2850	21000	4.0/5.5	1	60	1.5	1	45	347.2
VC-80	370	1880	3340	24000	4.0/5.5	1	60	1.5	1	50	414.4
VC-90	420	2180	3640	24000	4.0/5.5	1	60	1.5	1	55	470.4

Figure 1

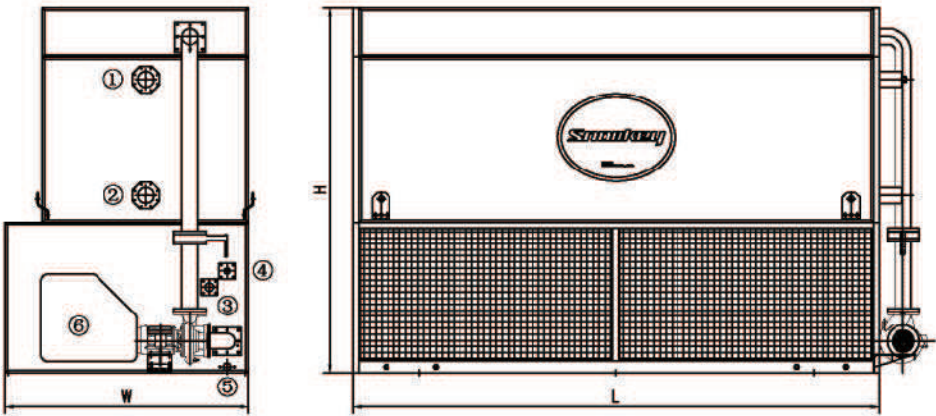
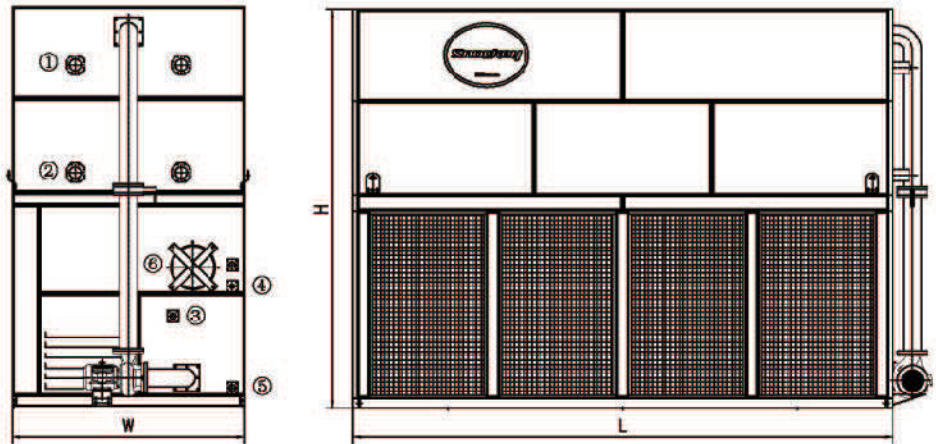


Figure 2



- ①refrigerant inlet
- ②refrigerant outlet
- ③overflow hole
- ④make-up water hole
- ⑤drain hole
- ⑥inspection door

SVC系列蒸发式冷凝器外形尺寸

Type	Outline Dimension			Diagram
	L (mm)	W (mm)	H (mm)	
SVC-480	3600	1670	2500	Figure 1
SVC-650	3600	1670	2500	Figure 1
SVC-950	3400	2200	3570	Figure 2
SVC-1080	3600	2200	3570	Figure 2
SVC-1150	3750	2200	3570	Figure 2
SVC-1195	3450	2200	3770	Figure 2
SVC-1410	3900	2200	3770	Figure 2

Type	Outline Dimension			Diagram
	L (mm)	W (mm)	H (mm)	
SVC-1570	3450	2200	4000	Figure 2
SVC-1850	5100	2200	3770	Figure 2
SVC-2050	5100	2200	3770	Figure 2
SVC-2450	5450	2200	4000	Figure 2
SVC-2950	6600	2200	4000	Figure 2
SVC-3250	7100	2200	4000	Figure 2

Note: 1. The external dimension of SVC series evaporative condenser does not include the water pump part.
2. The above products are standard and can be designed separately according to customer requirements.
3. The dimensions may be changed due to the improvement of the product without prior notice.

SEC series evaporative condenser technical data

Type	Heat Rejection (kW)	Weight (kg)		Fan			Circulating Water Pump			Ammonia Filling Volume (kg)	Water Usage (L/h)
		Net Weight	Operation	Air Flow (m³/h)	Power (kW)	Number of units	Flow (m³/h)	Power (kW)	Number of units		
SVC-480	480	2300	3830	36000	4.0	2	60	1.5	1	63	537.6
SVC-650	650	2520	4080	40000	4.0	2	60	1.5	1	79	728
SVC-950	950	4980	6750	74000	9.0/12.0	2	114	2.2	1	115	1064.0
SVC-1080	1080	5200	7200	78000	5.5	2	130	2.2	1	135	1209.6
SVC-1150	1150	5300	7300	84000	5.5	2	130	2.2	1	145	1288.0
SVC-1195	1195	5610	7590	84000	5.5	2	130	2.2	1	159	1338.4
SVC-1410	1410	5820	7750	90000	5.5	2	130	2.2	1	163	1579.2
SVC-1570	1570	6580	8850	95000	7.5	2	130	2.2	1	185	1758.4
SVC-1850	1850	7500	11800	140000	7.5	2	170	3.7	1	197	2072.0
SVC-2050	2050	8900	13000	140000	5.5/11.0	2	192	5.5	1	245	2296.0
SVC-2450	2450	11175	14600	140000	5.5/11.0	2	192	5.5	1	317	2744.0
SVC-2950	2950	12750	16510	190000	11.0	2	130	2.2	2	380	3304.0
SVC-3250	3250	13490	17500	220000	15.0	2	130	2.2	2	396	3640.0

STC Series

STC series evaporative condenser adopts the top suction design, the axial flow fan is installed on the top, and the motor drives the impeller directly. The four sides of the equipment can enter the wind, the top suction, the use of counter-flow design, with the heat transfer is relatively large but the size of the design is relatively small.

The axial fan mounted on the top of STC series evaporative condenser can be easily removed for easy transportation and maintenance.

STC series applicable conditions

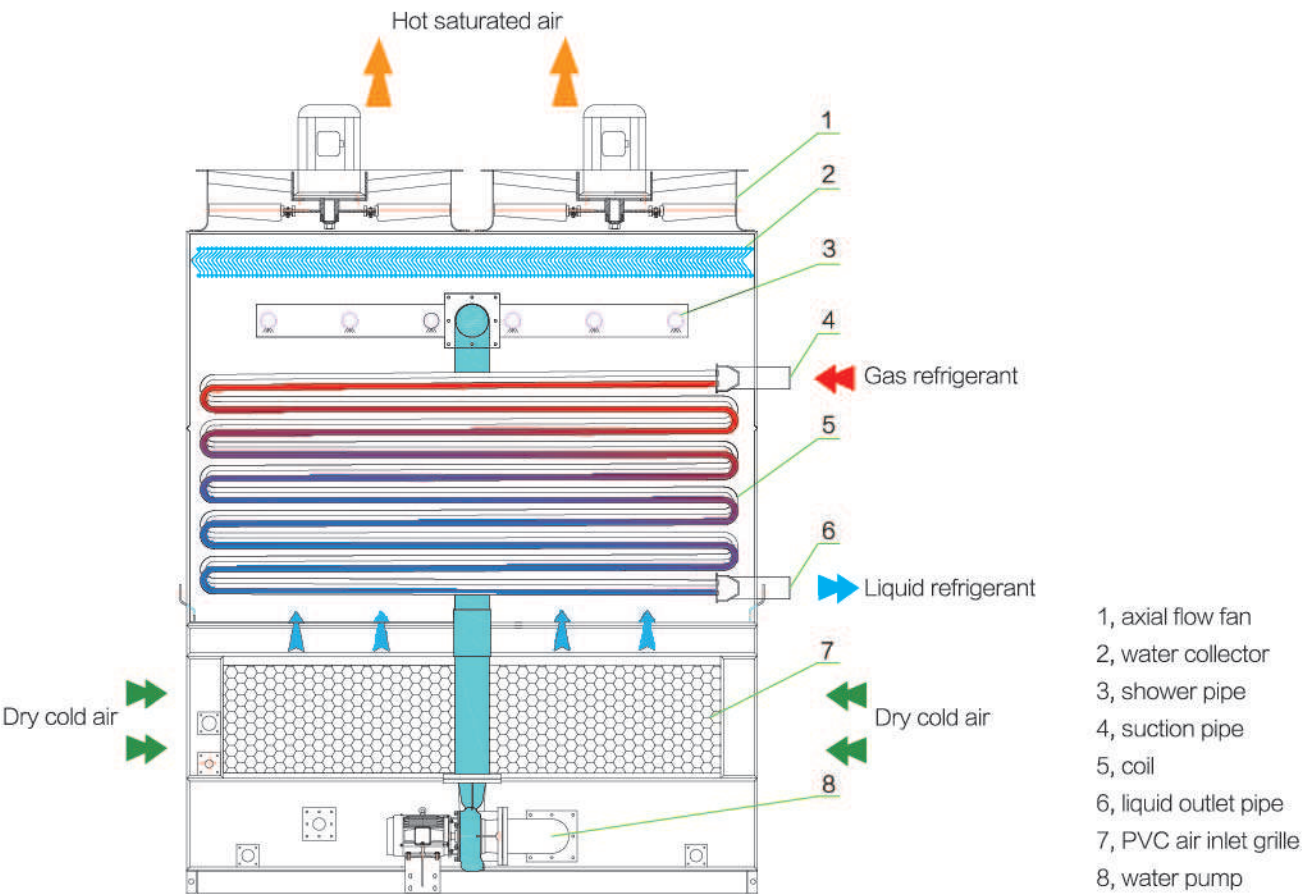
Refrigerants: R717, R22 and other CFCS

Exhaust heat: 600~5400 (kW)

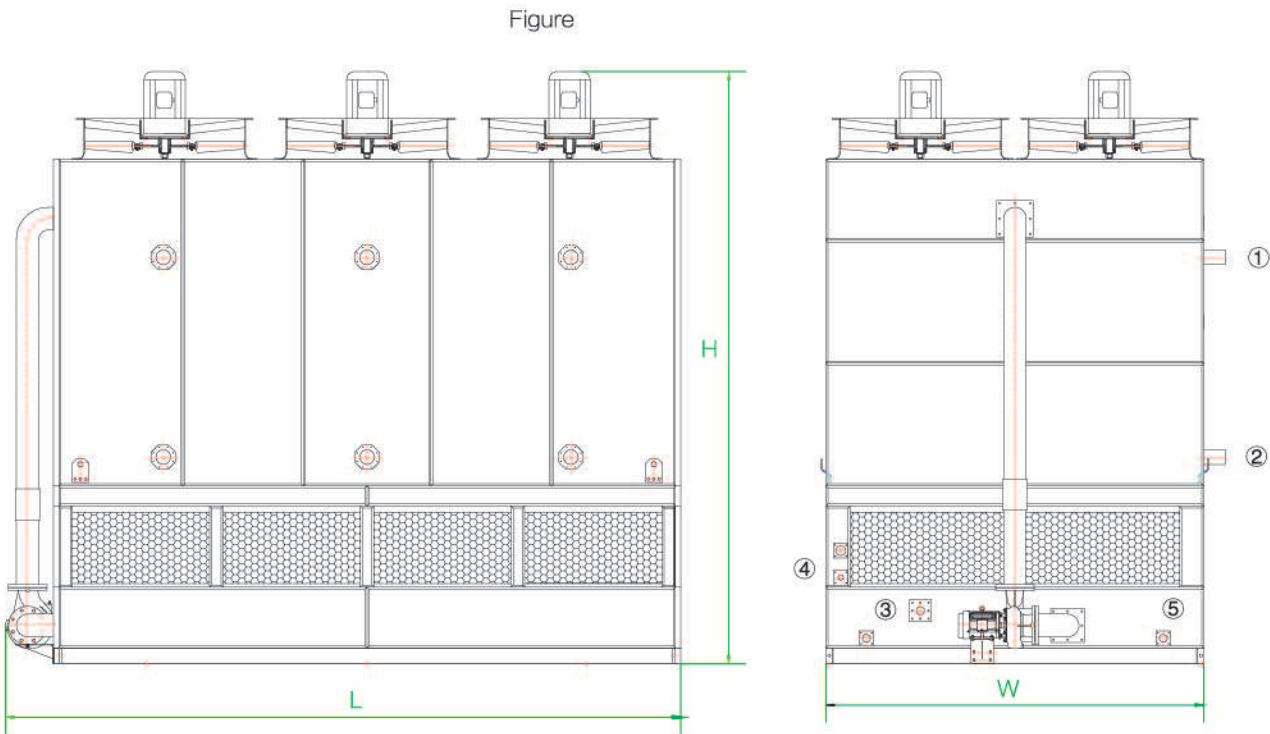
The water quality of cooling water shall meet the requirements of GB/T 50050 "design specification for treatment of industrial circulating cooling water".



STC series operation schematic diagram



Technical data and dimensions of STC series evaporative condenser



Type	Outline Dimension			Diagram
	L (mm)	W (mm)	H (mm)	
STC-600	2800	2010	3875	Reference icon
STC-750	2800	2010	4095	Reference icon
STC-900	2800	2010	4390	Reference icon
STC-1200	3490	2800	3875	Reference icon
STC-1500	3490	2800	4095	Reference icon
STC-1800	3490	2800	4390	Reference icon
STC-2250	5010	2800	4095	Reference icon

Type	Outline Dimension			Diagram
	L (mm)	W (mm)	H (mm)	
STC-2400	6980	2800	3875	Reference icon
STC-2700	5010	2800	4390	Reference icon
STC-3000	6980	2800	4095	Reference icon
STC-3600	6980	2800	4390	Reference icon
STC-4500	10020	2800	4095	Reference icon
STC-5400	10020	2800	4390	Reference icon

Note: the axial flow fan of STC series evaporative condenser can be disassembled during transportation. The height of axial flow fan is ≤660mm. The outline height size of this equipment includes the height of axial flow fan.

STC series evaporative condenser technical data

Type	Heat Rejection (kW)	Weight (kg)		Axial flow fan			Circulating Water Pump			Ammonia Filling Volume (kg)	Water Usage (L/h)
		Net Weight	Operation	Air flow (per set) (m³/h)	Power (per set) (kW)	Number of units	Flow (per set) (m³/h)	Power (per set) (kW)	Number of units		
STC-600	600	3310	5120	33000	2.2	2	130	2.2	1	82	510
STC-750	750	3830	5600	42500	3	2	130	2.2	1	101	640
STC-900	900	4350	6200	60000	4	2	130	2.2	1	119	770
STC-1200	1200	5420	8670	33000	2.2	4	170	3.7	1	164	1100
STC-1500	1500	6510	9700	42500	3	4	170	3.7	1	202	1280
STC-1800	1800	7560	10800	60000	4	4	240	5.5	1	238	1550
STC-2250	2250	9220	13000	42500	3	6	270	7.5	1	303	1920
STC-2400	2400	10840	17340	33000	2.2	8	130	2.2	2	328	2200
STC-2700	2700	10970	14900	60000	4	6	270	7.5	1	357	2300
STC-3000	3000	13020	19400	42500	3	8	170	3.7	2	404	2560
STC-3600	3600	15120	21600	60000	4	8	240	5.5	2	476	3100
STC-4500	4500	18440	26000	42500	3	12	270	7.5	2	606	3840
STC-5400	5400	21940	29800	60000	4	12	270	7.5	2	714	4400

Note: 1. The above are standard products and can be designed separately according to customer requirements.
2. The dimensions may be changed due to the improvement of the product without prior notice.