

SUS Series

Ceiling Type Air Cooler





SAUVERAIN



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SERIES

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1. Product Description

1 Casing

Adopt high-quality 304 stainless steel plate, with super strong anti-corrosion performance; The cover plates on both sides and the outer water tray plate adopt a hinged structure, which is convenient and fast to operate.

2 Heat Exchanger Coil

304 stainless steel pipes $\phi 15$. Square arrangement with a spacing of 50×50 between pipes; The operating pressure of stainless steel pipes can reach up to 5 MPa, and the burst pressure can reach up to 50 MPa. Floating coil pipes are fully automatic argon arc welding 304 stainless steel fins with pitch of 4.0mm and 6.0mm; Direct expansion supply liquid.

3 Fan

Axial fans, designed for high power and high wind pressure; The mesh cover and fan blades are made of 304 stainless steel material; Operating temperature: -40°C to 60°C ; Independent junction box; Fan specifications $\phi 400$, $\phi 500$, $\phi 630$.

4 Defrosting

The standard adopts electric defrosting, with stainless steel heating tubes evenly distributed in the fins of the coil and on the inner water plate, and an independent heating tube junction box.

5 Refrigerants

It can meet the requirements of refrigerants such as R404A, R507A, R448A, R449A, R134a, R22 and other refrigerants.

6 Applicable Industries

Chemical cold rooms, pharmaceutical cold rooms, oil companies and food preservation. Quick and easy installation.

2. Model Description

SUS 83 / 3 40 M - E T

Voltage

T: 3P / 380V / 50Hz; S: 1P / 220V / 50Hz

Defrost

E: Electric; A: Air; H: Hot gas

Fin spacing code

M: 4.2mm; L: 6.4mm; J: 9.0mm

Fan Diameter

(cm)

Number of Fans

Surface

(m^2)

Product line code



Performance Data Sheet

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3.1 Fin Spacing 4.0mm

Model	Capacity R404A (kW)		Surface (m ²)	Volume (dm ³)	Airflow (m ³ /h)	Air Throw (m)	Connection Pipe			Weight (kg)
	Tc = 0°C ΔT = 8K	Tc = −18°C ΔT = 7K					Inlet	Outlet	Drain	
Fan 400										
SUS28/140M-ET	1.6	1.4	28	4.1	3840	8	φ12.7	φ19	G1"	
SUS37/140M-ET	2.2	1.9	37	5.5	3640	8	φ12.7	φ19	G1"	
SUS56/240M-ET	3.2	2.9	56	8.2	7600	10	φ12.7	φ19	G1"	
SUS75/240M-ET	4.6	3.8	75	11	7300	10	φ12.7	φ19	G1"	
Fan 500										
SUS108/250M-ET	7.1	5.8	108	15.8	13000	15	φ12.7	φ22	G1"	
SUS121/250M-ET	7.7	6.3	121	17.8	13300	15	φ12.7	φ22	G1"	
SUS151/250M-ET	9.5	7.6	151	22.2	12900	15	φ16	φ28	G1"	
SUS182/250M-ET	11.1	8.9	182	26.7	12500	15	φ16	φ28	G1"	
SUS202/350M-ET	13.1	10.6	202	29.6	18700	15	φ16	φ28	2*G1"	
SUS242/350M-ET	15.2	11.9	242	35.6	18000	15	φ16	φ28	2*G1"	
SUS273/350M-ET	16.4	12.7	273	40	18800	15	φ16	φ28	2*G1"	
Fan 630										
SUS293/363M	19.3	15.4	293	42.9	29000	25	φ22	φ42	2*G1"	
SUS350/363M	22.3	17.1	350	51.5	27900	25	φ22	φ42	2*G1"	
SUS409/363M-ET	24.8	18.3	409	60.0	27100	25	φ22	φ42	2*G1"	
SUS468/363M-ET	28.3	21.6	468	68.6	26300	25	φ22	φ42	2*G1"	
SUS554/463M-ET	35.0	27.8	554	81.0	33300	25	φ28	φ50	3*G1"	
SUS589/463M-ET	36.7	28.9	589	86.4	34200	25	φ28	φ50	3*G1"	

Remarks: In the table, T_c is the cold-room temperature, and ΔT is the difference between the cold-room temperature and the evaporation temperature.



Performance Data Sheet

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3.2 Fin Spacing 6.0mm

Model	Capacity R404A (kW)		Surface (m ²)	Volume (dm ³)	Airflow (m ³ /h)	Air Throw (m)	Connection Pipe			Weight (kg)
	T _c = 0°C ΔT = 8K	T _c = -18°C ΔT = 7K					Inlet	Outlet	Drain	
Fan 400										
SUS19/140L-ET	1.1	1.0	19	4.1	3900	8	φ12.7	φ19	G1"	
SUS25/140L-ET	1.7	1.4	25	5.5	3700	8	φ12.7	φ19	G1"	
SUS38/240L-ET	2.4	2.2	38	8.2	7800	10	φ12.7	φ19	G1"	
SUS51/240L-ET	3.5	2.9	51	11	7600	10	φ12.7	φ19	G1"	
Fan 500										
SUS73/250L-ET	5.1	4.5	73	15.8	13390	15	φ12.7	φ22	G1"	
SUS83/250L-ET	6.1	5.0	83	17.8	13600	15	φ12.7	φ22	G1"	
SUS103/250L-ET	7.5	6.0	103	22.2	13200	15	φ16	φ28	G1"	
SUS123/250L-ET	8.9	7.1	123	26.7	13000	15	φ16	φ28	G1"	
SUS137/350L-ET	10.4	8.4	137	29.6	19400	15	φ16	φ28	2"G1"	
SUS165/350L-ET	12.4	9.8	165	35.6	18000	15	φ16	φ28	2"G1"	
SUS186/350L-ET	13.4	10.4	186	40	19500	15	φ16	φ28	2"G1"	
Fan 630										
SUS199/363L-ET	15.6	12.5	199	42.9	30200	25	φ22	φ42	2"G1"	
SUS238/363L-ET	18.3	14.2	238	51.5	29350	25	φ22	φ42	2"G1"	
SUS278/363L-ET	20.7	15.5	278	60.0	28400	25	φ22	φ42	2"G1"	
SUS318/363L-ET	23.5	18.2	318	68.6	27700	25	φ22	φ42	2"G1"	
SUS377/463L-ET	28.8	22.9	377	81.0	32900	25	φ28	φ50	3"G1"	
SUS400/463L-ET	30.2	23.9	400	86.4	36200	25	φ28	φ50	3"G1"	

Remarks: In the table, T_c is the cold-room temperature, and ΔT is the difference between the cold-room temperature and the evaporation temperature.



Electrical Parameter Table

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4. Fan Motor and Electric Defrost Specifications

Model	Fan Motor				Electric Defrost		
	Voltage (V)	Power (W)	Current (A)	Rev. (r/min)	Coil (KW)	Tray (KW)	Total (KW)
SUS28/140M-ET SUS19/140L-ET	380 - 3	240	0.52	1330	3 × 0.8	1 × 0.8	3.2
SUS37/140M-ET SUS25/140L-ET	380 - 3	240	0.52	1330	4 × 0.8	1 × 0.8	4.0
SUS56/240M-ET SUS38/240L-ET	380 - 3	480	1.04	1330	3 × 1.3	1 × 1.3	5.2
SUS75/240M-ET SUS51/240L-ET	380 - 3	480	1.04	1330	4 × 1.3	1 × 1.3	6.5
SUS108/250M-ET SUS73/250L-ET	380 - 3	1096	2.20	1380	4 × 1.55	2 × 1.55	9.3
SUS121/250M-ET SUS83/250L-ET	380 - 3	1096	2.20	1380	4 × 1.7	2 × 1.7	10.2
SUS151/250M-ET SUS103/250L-ET	380 - 3	1096	2.20	1380	6 × 1.7	2 × 1.7	13.6
SUS182/250M-ET SUS123/250L-ET	380 - 3	1096	2.20	1380	6 × 1.7	2 × 1.7	13.6
SUS202/350M-ET SUS137/350L-ET	380 - 3	1644	3.30	1380	6 × 2.2	2 × 2.2	17.6
SUS242/350M-ET SUS165/350L-ET	380 - 3	1644	3.30	1380	6 × 2.2	2 × 2.2	17.6
SUS273/350M-ET SUS186/350L-ET	380 - 3	1644	3.30	1380	6 × 2.4	2 × 2.4	19.2
SUS293/363M SUS199/363L	380 - 3	2811	5.50	1380	9 × 2.4	2 × 2.4	26.4
SUS350/363M SUS238/363L	380 - 3	2811	5.50	1380	9 × 2.4	2 × 2.4	26.4
SUS409/363M SUS278/363L	380 - 3	2811	5.50	1380	13 × 2.4	2 × 2.4	36
SUS468/363M SUS318/363L	380 - 3	2811	5.50	1380	13 × 2.4	2 × 2.4	36
SUS554/463M SUS377/463L	380 - 3	3748	7.00	1380	13 × 2.8	2 × 2.8	42
SUS589/463M SUS400/463L	380 - 3	3748	7.00	1380	13 × 3.0	2 × 3.0	45

Electrical parameters reproduced exactly from the supplied SUS source sheet.
Each paired model designation shares the values shown across its row.



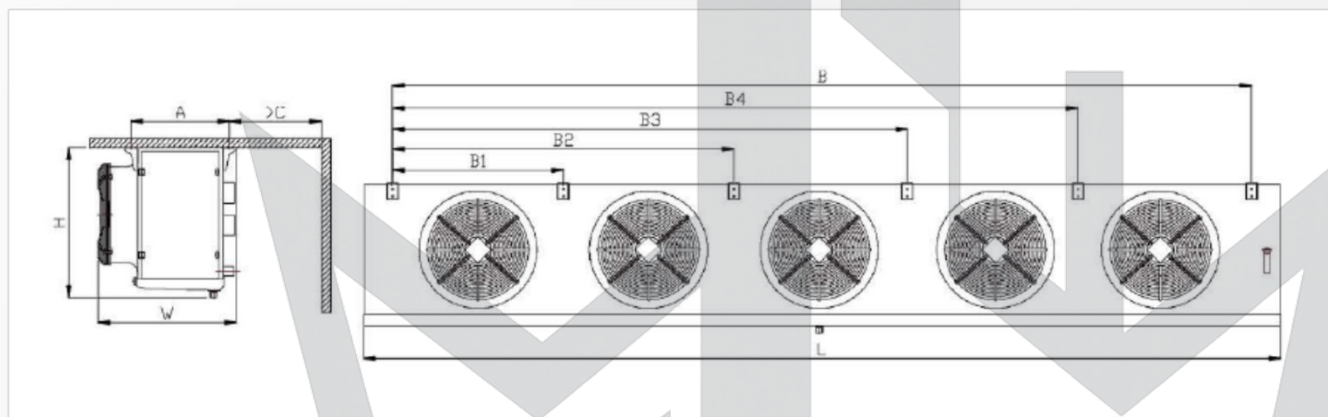
Outline and Installation Dimensions

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5. Outline and Installation Dimensions (mm)

Model	Outline Dimensions (mm)			Installation Dimensions (mm)							
	L	W	H	A	B	B1	B2	B3	B4	C	Install Hole
SUS**/140**	1150	540	730	430	680	/	/	/	/	400	4 - $\phi 13$
SUS56/240M SUS38/240L	1800	540	730	430	1330	/	/	/	/	400	4 - $\phi 13$
SUS75/240M SUS51/240L	1800	540	730	430	1330	/	/	/	/	400	4 - $\phi 13$
SUS108/250M SUS73/250L	2100	700	830	530	1630	800	/	/	/	500	6 - $\phi 13$
SUS121/250M SUS83/250L	2300	700	830	530	1830	900	/	/	/	500	6 - $\phi 13$
SUS151/250M SUS103/250L	2300	700	830	530	1830	900	/	/	/	500	6 - $\phi 13$
SUS182/250M SUS123/250L	2300	700	830	530	1830	900	/	/	/	500	6 - $\phi 13$
SUS202/350M SUS137/350L	2900	700	830	530	2430	800	1600	/	/	500	8 - $\phi 13$
SUS242/350M SUS165/350L	2900	700	830	530	2430	800	1600	/	/	500	8 - $\phi 13$
SUS273/350M SUS186/350L	3200	700	830	530	2730	900	1800	/	/	500	8 - $\phi 13$
SUS293/363M SUS199/363L	3200	800	1030	620	2730	900	1800	/	/	600	8 - $\phi 13$
SUS350/363M SUS238/363L	3200	800	1030	620	2730	900	1800	/	/	600	8 - $\phi 13$
SUS409/363M SUS468/363M SUS278/363L SUS318/363L	3200	900	1030	620	2730	900	1800	/	/	600	8 - $\phi 13$
SUS554/463M SUS377/463L	3700	900	1030	720	3230	800	1600	/	/	600	10 - $\phi 13$
SUS589/463M SUS400/463L	3900	900	1030	720	3430	850	1700	/	/	600	10 - $\phi 13$

Original Engineering Views



Engineering illustration preserved directly from the supplied source; dimensional references remain unchanged.