

LQF Series

Ground-Type Quick-Frozen Cooler





SAUVERAIN



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1. Product Description

1 Casing

Casing: Adopt high-quality steel plate with powder coating RAL9003;

2 Heat exchanger coil

Heat exchanger coil: Copper tubing $\phi 15$, Spacing 50×50 ;

Corrugated aluminium fins, fin spacing 6.4mm, 10.0mm & 12.0mm;

3 Fans

Fans: Axial fans with blown wind type, High wind circle design, Working temperature -50°C to 60°C ;
Independent Fans junction box; Fan blade $\phi 630$;

4 Electric Defrosting

Electric Defrosting: Using stainless heating pipe, installed in the middle of coil and inner water plate;
Independent electric heating pipe junction box.

5 Refrigerants

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

2. Model Description

LQF 100 / 2 63 L - E T - V

V	Pre-installation expansion valve (Optional)
T	Voltage, T: 3P / 380V / 50hz
E	Defrost, E: Electric
L	Fin spacing code, L: 6.4mm, J: 10mm, K: 12mm
63	Fan Diameter (CM)
2	Number of fans
100	Surface (m^2)
LQF	Product line code



3. Performance Data Sheet

Model	R404A Capacity (kW)			Surface (m ²)	Volume (dm ³)	Airflow (m ³ /h)	Connect Pipe (mm)			Weight (kg)
	Tc=0°C, ΔT=8K	Tc=-18°C, ΔT=7K	Tc=-35°C, ΔT=6K				Inlet	Outlet	Drain	
Fin Spacing 6.4 mm										
LQF100/263L-ET	24.4	19.5	15.9	100	23.4	19400	φ16	φ35	G2.5"	203
LQF125/263L-ET	27.7	22.2	18.0	125	29.3	18600	φ22	φ42	G2.5"	216
LQF150/263L-ET	31.0	24.8	20.2	150	35.1	17800	φ22	φ42	G2.5"	229
LQF200/463L-ET	48.8	39.0	31.7	200	44.5	38800	φ22	φ42	G2.5"	372
LQF250/463L-ET	55.4	44.3	36.0	250	55.8	37200	φ22	φ42	G2.5"	298
LQF300/463L-ET	62.0	49.6	40.3	300	66.8	35600	φ28	φ50	G2.5"	425
LQF300/663L-ET	73.2	58.6	47.6	300	65.6	58200	φ28	φ50	G2.5"	547
LQF375/663L-ET	83.1	66.5	54.0	375	82.0	55800	φ28	φ50	G2.5"	576
LQF450/663L-ET	93.0	74.4	60.5	450	98.4	53400	2*φ22	2*φ42	G2.5"	605
Fin Spacing 10.0 mm										
LQF66/263J-ET	17.8	14.2	11.6	66	23.4	20000	φ16	φ35	G2.5"	195
LQF83/263J-ET	21.3	17.0	13.8	83	29.3	19200	φ22	φ42	G2.5"	206
LQF99/263J-ET	24.8	19.8	16.1	99	35.1	18400	φ22	φ42	G2.5"	217
LQF132/463J-ET	35.6	28.4	23.5	132	44.5	40000	φ22	φ42	G2.5"	356
LQF165/463J-ET	42.6	34.1	27.7	165	55.8	38400	φ22	φ42	G2.5"	379
LQF198/463J-ET	49.6	39.6	32.2	198	66.8	36800	φ28	φ50	G2.5"	402
LQF198/663J-ET	53.4	42.7	34.7	198	65.6	60000	φ28	φ50	G2.5"	524
LQF248/663J-ET	63.9	51.1	41.5	248	82.0	57600	φ28	φ50	G2.5"	547
LQF297/663J-ET	74.4	59.4	48.4	297	98.4	55200	2*φ22	2*φ42	G2.5"	570
Fin Spacing 12 mm										
LQF56/263K-ET	15.8	12.6	10.3	56	23.4	20400	φ16	φ35	G2.5"	192
LQF70/263K-ET	19.2	15.4	12.5	70	29.3	19600	φ22	φ42	G2.5"	202
LQF84/263K-ET	22.6	18.1	14.7	84	35.1	18800	φ22	φ42	G2.5"	213
LQF113/463K-ET	31.6	25.2	20.5	113	44.5	40800	φ22	φ42	G2.5"	351
LQF141/463K-ET	38.4	30.7	25.0	141	55.8	39200	φ22	φ42	G2.5"	373
LQF169/463K-ET	45.2	36.2	29.4	169	66.8	37600	φ28	φ50	G2.5"	395
LQF169/663K-ET	47.4	37.9	30.8	169	65.6	61200	φ28	φ50	G2.5"	514
LQF211/663K-ET	57.6	46.0	37.4	211	82.0	58800	φ28	φ50	G2.5"	536
LQF253/663K-ET	67.8	54.3	44.0	253	98.4	56400	2*φ22	2*φ42	G2.5"	558

In the table, T_c is the coldroom Temp., and ΔT is the difference between the coldroom Temp. and the evaporation Temp.

4. Electrical Parameter Table

Model	Fan Motor				Electric Defrost		
	Voltage (V)	Power (W)	Current (A)	Rev. (r/min)	Coil (kW)	Tray (kW)	Total (kW)
LQF100/263L-ET LQF66/263J-ET LQF56/263K-ET	380-3	1874	3.5	1378	10 × 0.85	2 × 0.9	10.3
LQF125/263L-ET LQF83/263J-ET LQF70/263K-ET	380-3	1874	3.5	1378	16 × 0.85	2 × 0.9	15.4



4. Electrical Parameter Table (continued)

Model	Fan Motor				Electric Defrost		
	Voltage (V)	Power (W)	Current (A)	Rev. (r/min)	Coil (kW)	Tray (kW)	Total (kW)
LQF150/263L-ET LQF99/263J-ET LQF84/263K-ET	380-3	1874	3.5	1378	16 × 0.85	2 × 0.9	15.4
LQF200/463L-ET LQF132/463J-ET LQF113/463K-ET	380-3	3748	7.0	1378	10 × 1.57	2 × 1.6	18.9
LQF250/463L-ET LQF165/463J-ET LQF141/463K-ET	380-3	3748	7.0	1378	16 × 1.57	2 × 1.6	28.3
LQF300/463L-ET LQF198/463J-ET LQF169/463K-ET	380-3	3748	7.0	1378	16 × 1.57	2 × 1.6	28.3
LQF300/663L-ET LQF198/663J-ET LQF169/663K-ET	380-3	5622	10.5	1378	10 × 2.3	2 × 2.3	27.6
LQF375/663L-ET LQF248/663J-ET LQF211/663K-ET	380-3	5622	10.5	1378	16 × 2.3	2 × 2.3	41.4
LQF450/663L-ET LQF297/663J-ET LQF253/663K-ET	380-3	5622	10.5	1378	16 × 2.3	2 × 2.3	41.4

5. Outline & Installation Dimension

Model	Outline (mm)			Install (mm)					
	L	W	H	A	B	B1	B2	C	Hole
LQF*/263**	1305	900	2200	825	940	/	/	400	4-φ13
LQF*/463**	2205	900	2200	825	1840	940	/	400	6-φ13
LQF*/663**	3105	900	2200	825	2740	940	1840	400	8-φ13

