

RVC Series

Air Condenser





RVC SERIES

AIR CONDENSER





RVC SERIES

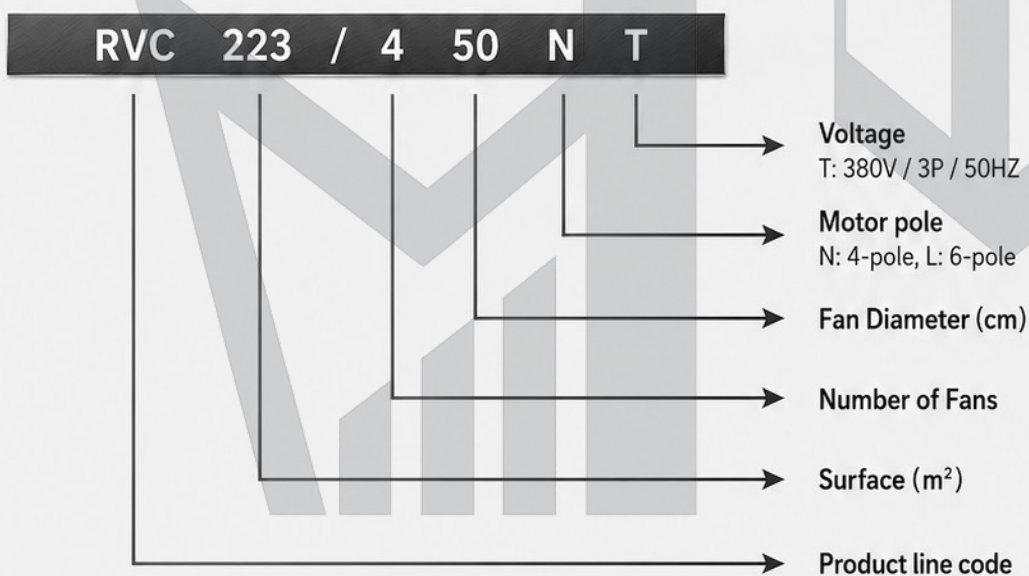
AIR CONDENSER

1. PRODUCT DESCRIPTION

RVC series condensers are mainly equipped with large heat transfer demand, large-scale remote-mounted condensing units, piston parallel units and screw units;

- 1 Adopt high-quality steel plate with powder coating;
- 2 V-type structure design can be adopted, having larger windward area;
- 3 Copper tube and corrugated aluminium fins with a distance of 2.1 mm are used;
- 4 Fan specifications adopt 500mm and 630mm, divided into 4 poles and 6 poles motor; Testing pressure 32bar; Retain 1.5bar pressure before leaving factory.
- 5 It can meet the requirements of R22, R134a, R404A, R507A, R407A, R407C, R448A, R449A and other refrigerants.

2. MODEL DESCRIPTION





3. PERFORMANCE DATA SHEET

3.1 FANS 500

Model	Capacity (kW) $\Delta T=15K$	Surface (m ²)	Volume (dm ³)	Airflow (m ³ /h)	Power (W)	Current (A)	Noise dB(A) 10m	Inlet (mm)	Outlet (mm)	Weight (kg)
4-pole motor (Rev.1380rpm)										
RVC125/250N	52.6	125.2	14.8	13400	1100	2.2	55	2×Φ28	2×Φ22	166
RVC157/250N	59.5	156.5	18.5	13200	1100	2.2	55	2×Φ28	2×Φ22	175
RVC188/350N	78.9	187.8	22.0	20100	1650	3.3	56	2×Φ28	2×Φ22	247
RVC235/350N	89.2	234.7	27.5	19800	1650	3.3	56	2×Φ28	2×Φ22	261
RVC250/450N	105.2	250.4	29.2	26800	2200	4.4	58	2×Φ35	2×Φ22	330
RVC313/450N	118.9	313.0	36.5	26400	2200	4.4	58	2×Φ35	2×Φ22	349
RVC313/550N	131.5	313.0	36.5	33500	2750	5.5	59	2×Φ35	2×Φ22	410
RVC391/550N	148.7	391.2	45.4	33000	2750	5.5	59	2×Φ35	2×Φ22	433
6-pole motor (Rev.930rpm)										
RVC125/250L	39.5	125.2	14.8	9600	514	1.4	45	2×Φ28	2×Φ22	166
RVC157/250L	45.4	156.5	18.5	9000	514	1.4	45	2×Φ28	2×Φ22	175
RVC188/350L	60.1	187.8	22.0	14400	770	2.1	46	2×Φ28	2×Φ22	247
RVC235/350L	68.1	234.7	27.5	13500	770	2.1	46	2×Φ28	2×Φ22	261
RVC250/450L	80.1	250.4	29.2	19200	1028	2.8	47	2×Φ35	2×Φ22	330
RVC313/450L	90.8	313.0	36.5	18000	1028	2.8	47	2×Φ35	2×Φ22	349
RVC313/550L	100.2	313.0	36.5	24000	1285	3.5	48	2×Φ35	2×Φ22	410
RVC391/550L	113.5	391.2	45.4	22500	1285	3.5	48	2×Φ35	2×Φ22	433

Remarks:

- 1) Calibration conditions of heat transfer: ambient temperature 25°C, condensation temperature 40°C, heat transfer temperature difference 15k, refrigerant R404A. Heat transfer under other working conditions refer to the selection of condenser.
- 2) Noise Calibration of Sound Pressure at 10m distance.

3.2 FANS 630

Model	Capacity (kW) $\Delta T=15K$	Surface (m ²)	Volume (dm ³)	Airflow (m ³ /h)	Power (W)	Current (A)	Noise dB(A) 10m	Inlet (mm)	Outlet (mm)	Weight (kg)
4-pole motor (Rev.1370rpm)										
RVC167/263N	63.2	166.9	19.8	20000	1874	3.5	63	2×Φ28	2×Φ22	195
RVC209/263N	71.2	208.7	24.7	19900	1874	3.5	63	2×Φ28	2×Φ22	207
RVC250/263N	77.3	250.4	29.6	19800	1874	3.5	63	2×Φ28	2×Φ22	220
RVC250/363N	94.9	250.4	29.6	30000	2811	5.25	64	2×Φ35	2×Φ22	290
RVC313/363N	106.8	313.0	36.6	29850	2811	5.25	64	2×Φ35	2×Φ22	308
RVC376/363N	115.9	375.6	43.9	29700	2811	5.25	64	2×Φ35	2×Φ22	326
RVC334/463N	126.5	333.8	38.9	40000	3748	7.0	65	2×Φ42	2×Φ28	375
RVC417/463N	142.4	417.3	48.6	39800	3748	7.0	65	2×Φ42	2×Φ28	399
RVC501/463N	154.6	500.8	58.3	39600	3748	7.0	65	2×Φ42	2×Φ28	423
RVC417/563N	158.2	417.3	48.6	50000	4685	8.75	66	2×Φ50	2×Φ35	475
RVC522/563N	178.1	521.6	60.6	49750	4685	8.75	66	2×Φ50	2×Φ35	505
RVC626/563N	193.2	626.0	72.8	49500	4685	8.75	66	2×Φ50	2×Φ35	535



3.2 FANS 630

Model	Capacity (kW) $\Delta T=15K$	Surface (m ²)	Volume (dm ³)	Airflow (m ³ /h)	Power (W)	Current (A)	Noise dB(A) 10m	Inlet (mm)	Outlet (mm)	Weight (kg)
6-pole motor (Rev.906rpm)										
RVC167/263L	56.7	166.9	19.8	21600	1554	3.4	50	2×Φ28	2×Φ22	195
RVC209/263L	66.8	208.7	24.7	20800	1554	3.4	50	2×Φ28	2×Φ22	207
RVC250/263L	72.6	250.4	29.6	19800	1554	3.4	50	2×Φ28	2×Φ22	220
RVC250/363L	85.1	250.4	29.6	32400	2331	5.1	51	2×Φ35	2×Φ22	290
RVC313/363L	100.2	313.0	36.6	31200	2332	5.1	51	2×Φ35	2×Φ22	308
RVC376/363L	108.9	375.6	43.9	29700	2332	5.1	51	2×Φ35	2×Φ22	326
RVC334/463L	113.5	333.8	38.9	43200	3108	6.8	52	2×Φ42	2×Φ28	375
RVC417/463L	133.5	417.3	48.6	41600	3108	6.8	52	2×Φ42	2×Φ28	399
RVC501/463L	145.2	500.8	58.3	39600	3108	6.8	52	2×Φ42	2×Φ28	423
RVC417/563L	142.0	417.3	48.6	54000	3885	8.5	53	2×Φ50	2×Φ35	475
RVC522/563L	166.9	521.6	60.6	52000	3885	8.5	53	2×Φ50	2×Φ35	505
RVC626/563L	181.5	626.0	72.8	49500	3885	8.5	53	2×Φ50	2×Φ35	535

Remarks:

- 1) Calibration conditions of heat transfer: ambient temperature 25°C, condensation temperature 40°C, heat transfer temperature difference 15k, refrigerant R404A. Heat transfer under other working conditions refer to the selection of condenser.
- 2) Noise Calibration of Sound Pressure at 10m distance.

4. OUTLINE & INSTALLATION DIMENSION

Coil/Fan Diameter	Size (mm)	Number of fan			
		2	3	4	5
Φ500	L	1980	2880	3780	4680
	W	1080	1080	1080	1080
	H	1130	1130	1130	1130
	A	1020	1020	1020	1020
	B	1840	2740	3640	4540
	B1	940	940	940	940
	B2	900	900	900	900
	B3	/	900	900	900
	B4	/	/	900	900
	B5	/	/	/	900
Φ630	L	1980	2880	3780	4680
	W	1260	1260	1260	1260
	H	1425	1425	1425	1425
	A	1200	1200	1200	1200
	B	1840	2740	3640	4540
	B1	940	940	940	940
	B2	900	900	900	900
	B3	/	900	900	900
	B4	/	/	900	900
	B5	/	/	/	900



4. OUTLINE & INSTALLATION DIMENSION

