

RC Series

Air Condenser





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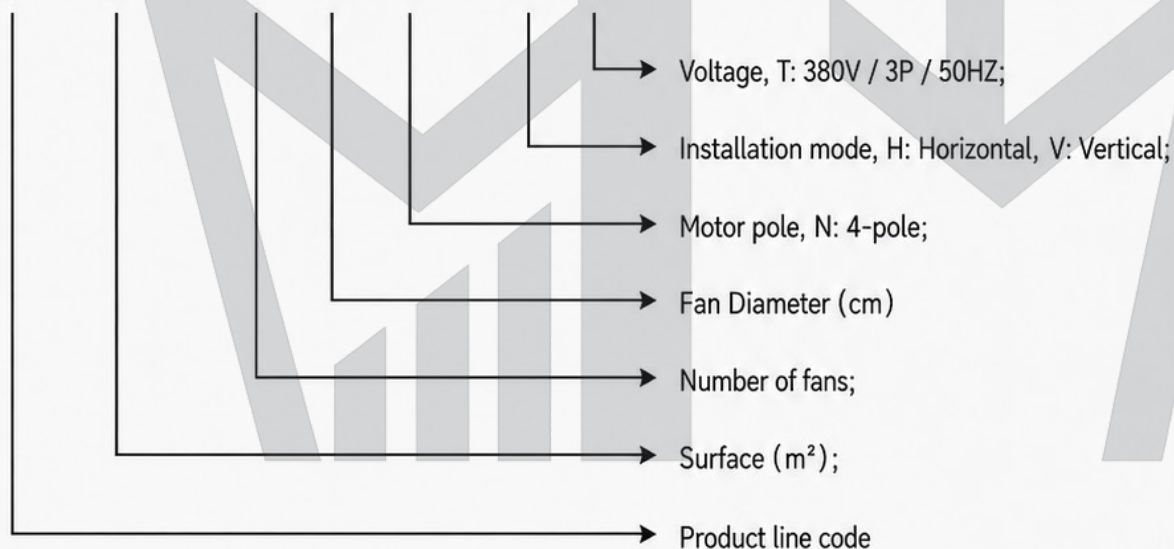
1. PRODUCT DESCRIPTION

RC 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 RAL9003;
- 2 Flat-plate structure design can be adopted, either horizontally installed or side-mounted;
- 3 Copper tube and corrugated aluminium fins with a distance of 2.1 mm are used.
- 4 Fan specifications adopt 500mm and 630mm; 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

RC 223 / 4 50 N - H T





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3. PERFORMANCE DATA SHEET

3.1 FANS 500 SERIES

Model	Capacity (kW) ΔT=15K	Surface (m²)	Volume (dm³)	Fan motor			Noise dB(A) 10m	Connect Pipe (mm)		Weight (kg)
				Airflow (m³/h)	Power (W)	Current (A)		Inlet	Outlet	
4-pole motor (Rev. 1380rpm)										
RC37/150NT	21.3	37.1	4.5	7200	548	1.1	49	φ22	φ16	53
RC50/150NT	23.8	49.5	6.1	7000	548	1.1	49	φ28	φ22	57
RC74/250NT	42.6	74.2	8.8	14400	1096	2.2	52	φ35	φ28	102
RC99/250NT	47.5	98.9	11.7	14000	1096	2.2	52	φ35	φ28	109
RC111/350NT	64.0	111.3	13.0	21600	1644	3.3	53	φ35	φ28	152
RC148/350NT	71.2	148.4	17.4	21000	1644	3.3	53	φ35	φ28	163
RC148/450NT	85.3	148.4	17.4	28800	2192	4.4	55	φ42	φ35	201
RC198/450NT	94.4	197.8	23.0	28000	2192	4.4	55	φ42	φ35	215
RC186/550NT	106.7	185.5	21.6	36000	2740	5.5	56	φ50	φ42	251
RC247/550NT	118.7	247.3	28.7	35000	2740	5.5	56	φ50	φ42	270
RC223/650NT	128.0	222.6	26.1	43200	3288	6.6	57	2-φ42	2-φ35	300
RC297/650NT	142.5	296.8	34.8	42000	3288	6.6	57	2-φ42	2-φ35	325
RC297/850NT	170.7	296.8	34.8	57600	4384	8.8	58	2-φ42	2-φ35	400
RC396/850NT	190.4	395.7	46.1	56000	4384	8.8	58	2-φ42	2-φ35	430

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 SERIES

Model	Capacity (kW) ΔT=15K	Surface (m²)	Volume (dm³)	Fan motor			Noise dB(A) 10m	Connect Pipe (mm)		Weight (kg)
				Airflow (m³/h)	Power (W)	Current (A)		Inlet	Outlet	
4-pole motor (Rev. 1370rpm)										
RC70/163NT	28.3	69.6	8.4	10000	937	1.75	57	φ28	φ22	81
RC93/163NT	33.2	92.7	11.2	9800	937	1.75	57	φ35	φ28	88
RC139/263NT	56.6	139.1	16.3	20000	1874	3.5	60	φ42	φ35	158
RC186/263NT	66.4	185.5	21.8	19600	1874	3.5	60	φ42	φ35	172
RC209/363NT	84.9	208.7	24.3	30000	2811	5.25	61	φ50	φ42	235
RC278/363NT	99.6	278.2	32.4	29400	2811	5.25	61	φ50	φ42	256
RC278/463NT	113.2	278.2	32.4	40000	3748	7.0	62	φ50	φ42	312
RC371/463NT	132.8	370.9	43.0	39200	3748	7.0	62	φ50	φ42	340
RC417/663NT	169.8	417.3	48.5	60000	5622	10.5	64	2-φ42	2-φ35	470
RC556/663NT	199.5	556.4	64.7	58800	5622	10.5	64	2-φ42	2-φ35	510
RC501/863NT	211.3	500.8	58.1	80000	7496	14.0	65	2-φ50	2-φ42	620
RC668/863NT	250.9	667.7	77.5	78400	7496	14.0	65	2-φ50	2-φ42	680

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.



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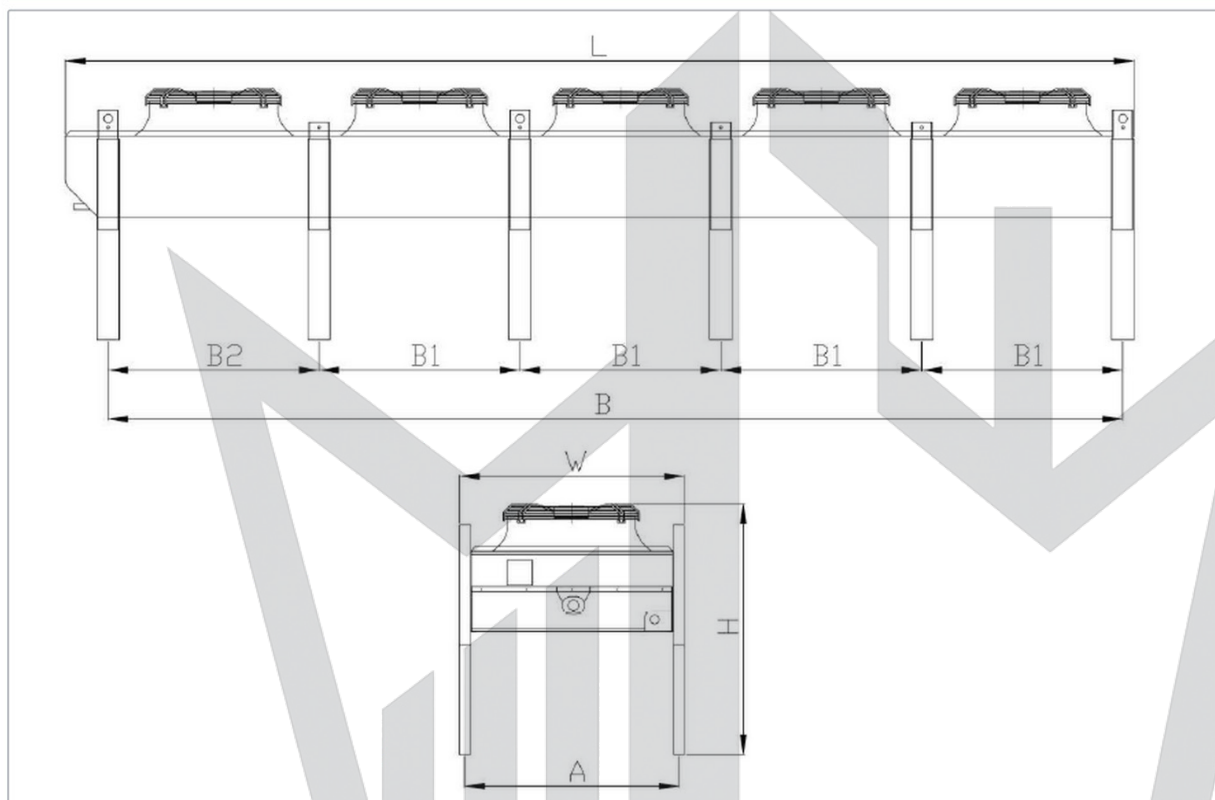
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4. OUTLINE & INSTALLATION DIMENSIONS

4.1 HORIZONTAL INSTALLATION (H)

Size (mm)		Number of fans						
		1	2	3	4	5	6	8
φ500	L	1050	1850	2650	3450	4250	2650	3450
	W	896	896	896	896	896	1696	1696
	H	1000	1000	1000	1000	1000	1000	1000
	A	857	857	857	857	857	1657	1657
	B	840	1640	2440	3240	4040	2440	3240
	B1	/	800	800	800	800	800	800
	B2	/	840	840	840	840	840	840
φ630	L	1450	2650	3850	5050	/	4250	5050
	W	1096	1096	1096	1146	/	1946	1946
	H	980	980	980	1040	/	1040	1040
	A	1057	1057	1057	1107	/	1907	1907
	B	1240	2440	3640	4860	/	4060	4860
	B1	/	1200	1200	1200	/	1360	1200
	B2	/	1240	1240	1260	/	1340	1260
Drawing		A/C					B/D	

DRAWING A — SINGLE-ROW 500 mm FAN



Drawing A (single-row 500 mm fan)



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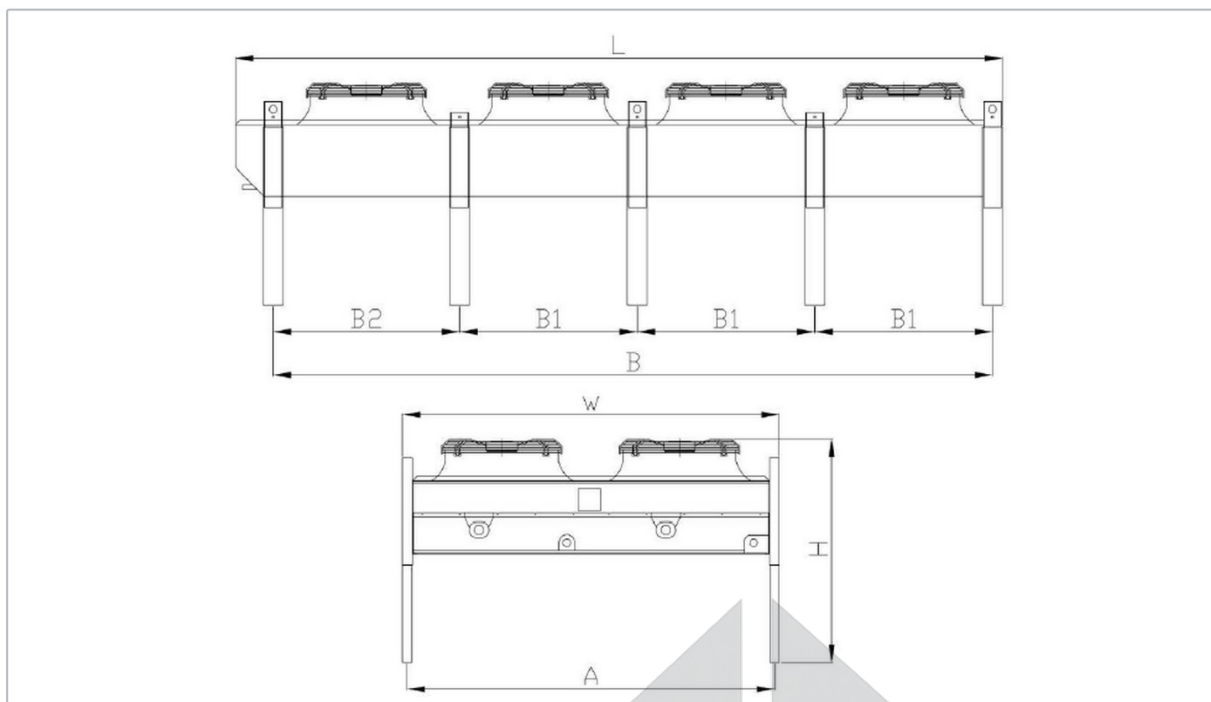
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4.1 HORIZONTAL INSTALLATION (H)

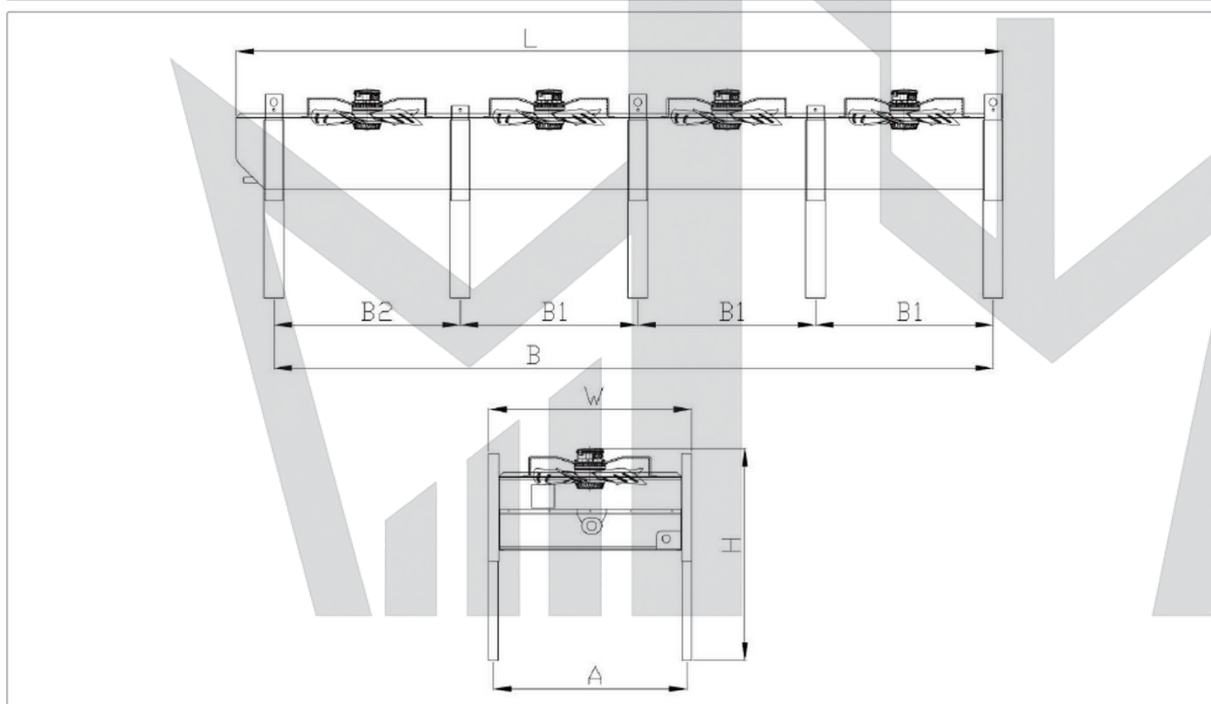
CONTINUED — DRAWINGS B & C

DRAWING B — DOUBLE-ROW 500 mm FAN



Drawing B (double-row 500 mm fan)

DRAWING C — SINGLE-ROW 630 mm FAN



Drawing C (single-row 630 mm fan)



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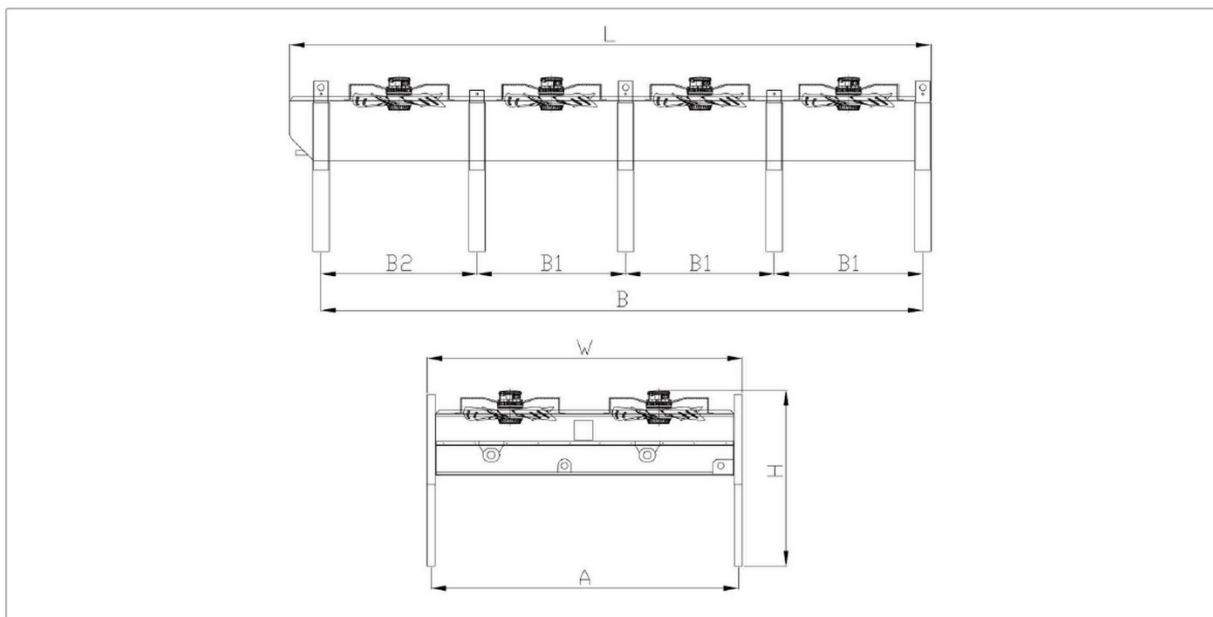
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4.1 HORIZONTAL INSTALLATION (H)

DRAWING D — DOUBLE-ROW 630 mm FAN



Drawing D (double-row 630 mm fan)

4.2 VERTICAL INSTALLATION (V)

Size (mm)		Number of fans						
		1	2	3	4	5	6	8
φ500	L	1050	1850	2650	3450	4250	2650	3450
	W	555	555	555	555	555	555	555
	H	896	896	896	896	896	1696	1696
	A	380	380	380	380	380	380	380
	B	840	1640	2440	3240	4040	2440	3240
	B1	/	800	800	800	800	800	800
	B2	/	840	840	840	840	840	840
φ630	L	1450	2650	3850	5050	/	4250	5050
	W	540	540	540	540	/	630	630
	H	1088	1088	1088	1088	/	1939	1939
	A	428	428	428	428	/	510	510
	B	1240	2440	3640	4860	/	4060	4860
	B1	/	1200	1200	1200	/	1360	1200
	B2	/	1240	1240	1260	/	1340	1260
Drawing		A/C					B/D	



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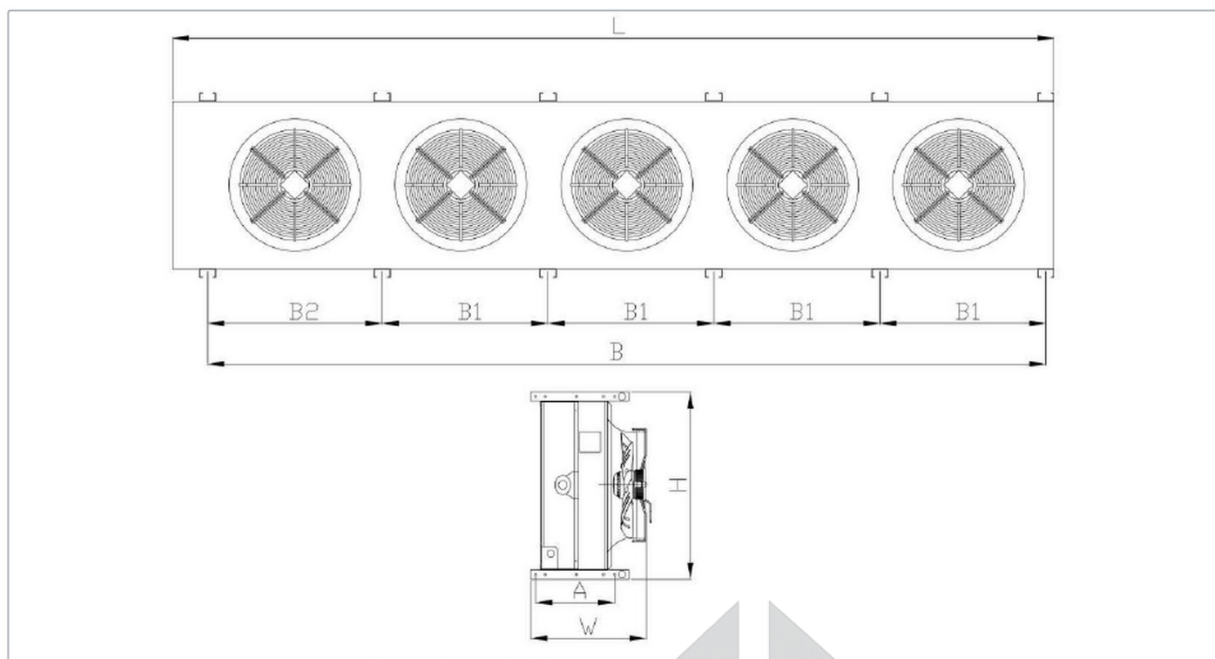
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4.2 VERTICAL INSTALLATION (V)

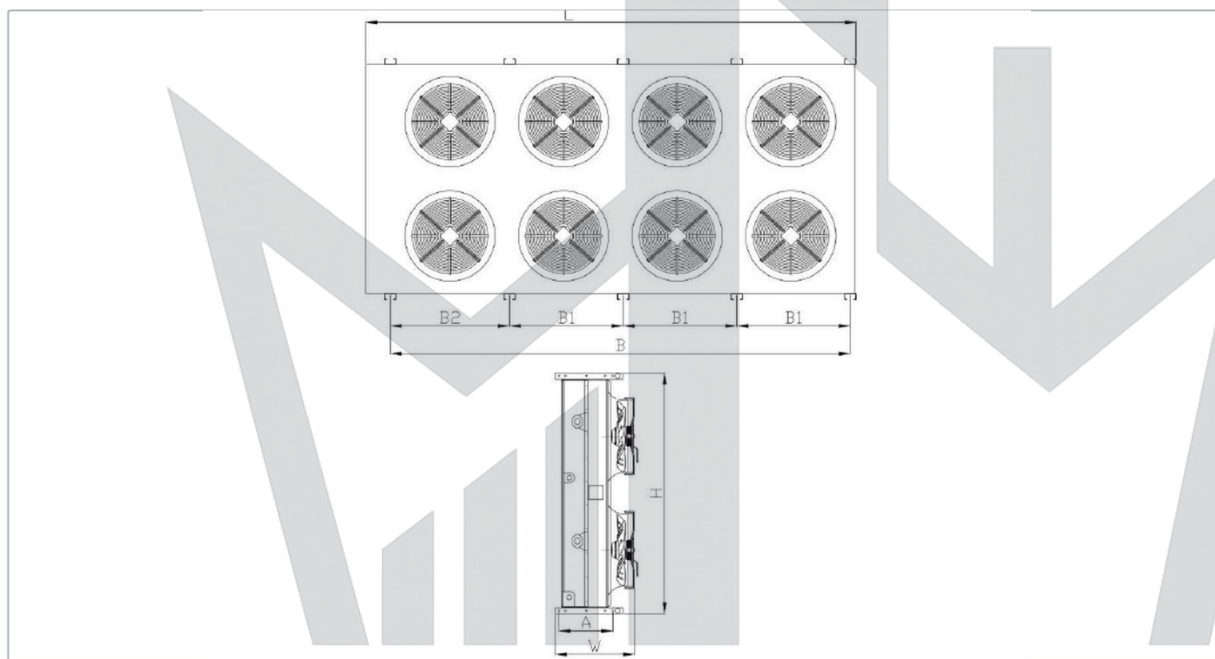
CONTINUED — DRAWINGS A & B

DRAWING A — SINGLE-ROW 500 mm FAN



Drawing A (single-row 500 mm fan)

DRAWING B — DOUBLE-ROW 500 mm FAN



Drawing B (double-row 500 mm fan)



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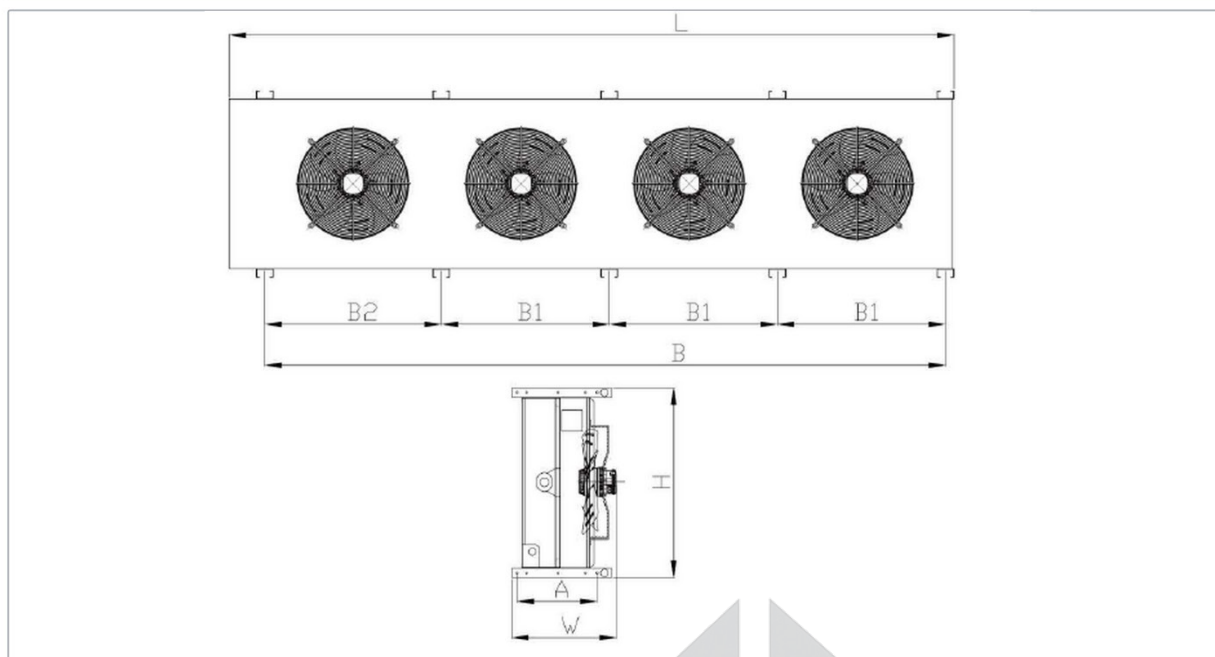
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4.2 VERTICAL INSTALLATION (V)

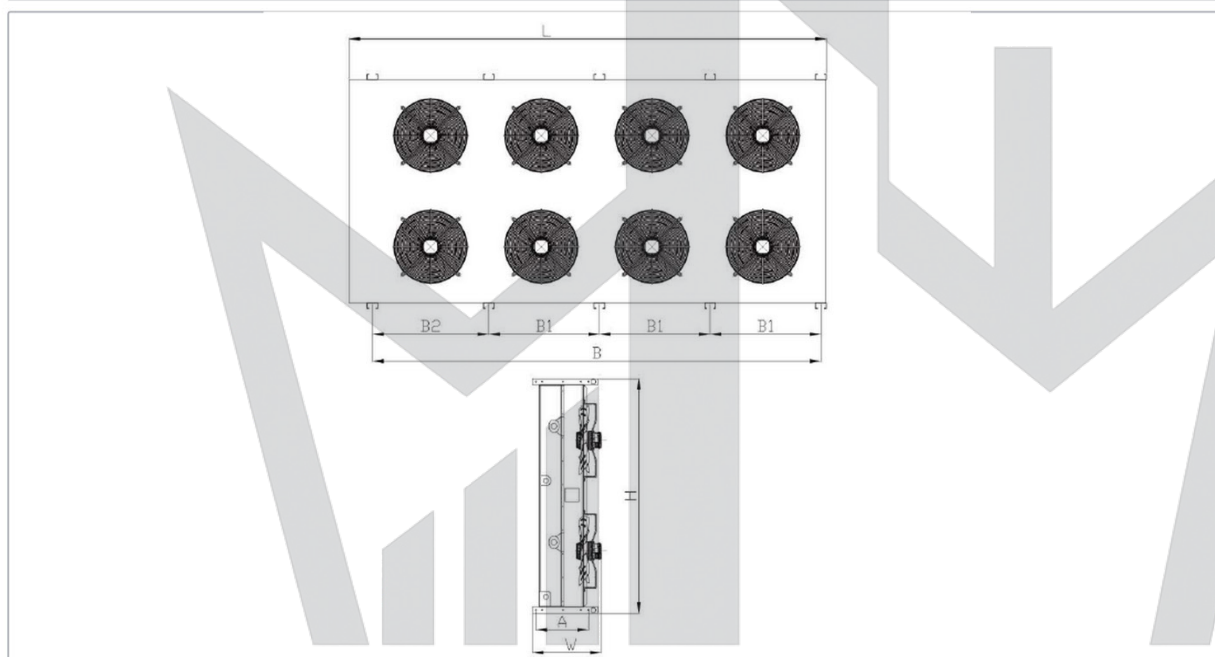
CONTINUED — DRAWINGS C & D

DRAWING C — SINGLE-ROW 630 mm FAN



Drawing C (single-row 630 mm fan)

DRAWING D — DOUBLE-ROW 630 mm FAN



Drawing D (double-row 630 mm fan)