

CA Series

Compact Air Cooler





SAUVERAIN



SAUVERAIN



CA

Series Compact Air Cooler





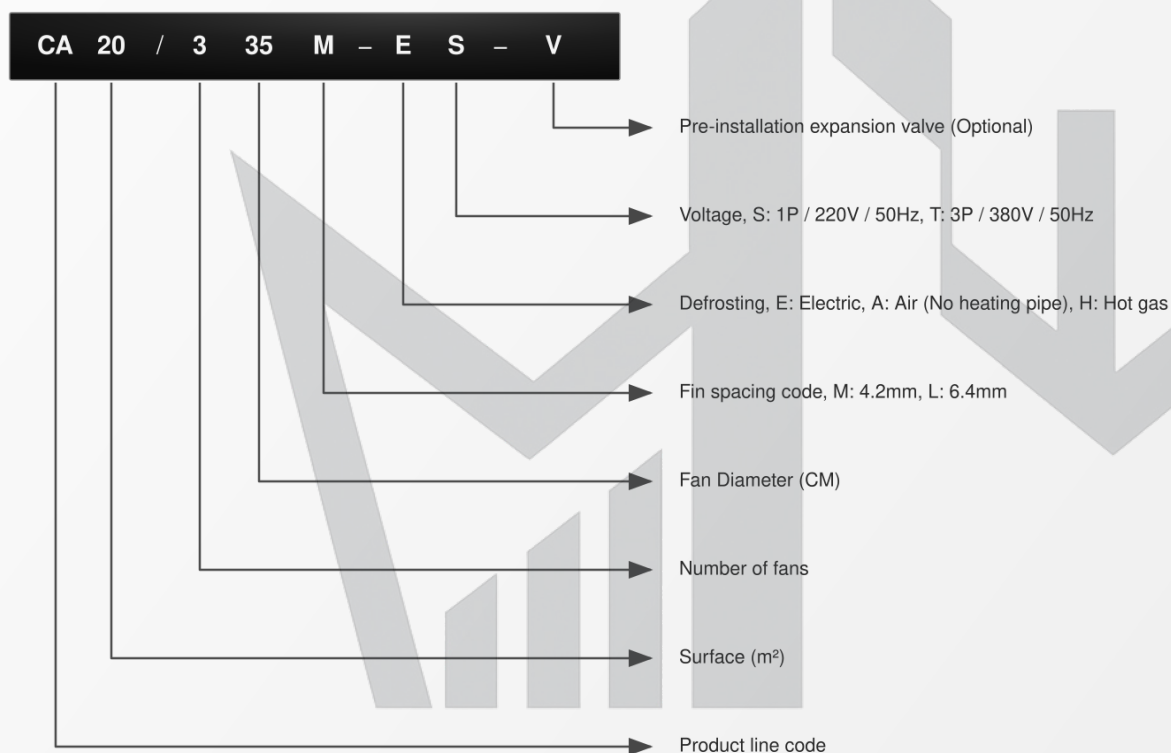
CA Series Compact Air Cooler

1. Product Description

CA series compact air coolers are mainly used in small cold room, which occupy less space.

- 1 Casing: Al-Mg alloy sheet with powder coating (RAL9003), strong anti-corrosion performance and light weight.
Drip tray adopts hinge structure, easy to clean and operate.
- 2 Heat Exchanger Coil: Copper tubing $\Phi 12$, Spacing 38.1×33 ; Corrugated aluminium fins, fin spacing 4.2mm & 6.4mm.
- 3 Fans: Axial fans with waterproof, working temperature -40°C to 60°C .
Fans individually connected to junction box; Fan specification $\Phi 350$, number from 1 to 4.
- 4 Electric defrost: Using stainless heating pipes, installed in the middle of coil and inner water plate.
Independent electric heating pipe junction box.
- 5 It can meet the requirements of R404A, R507A, R448A, R449A, R134a, R22 and other refrigerants.

2. Model Description





Performance Data Sheet

3

Model	Capacity R404A (kW)		Surface (m²)	Tube Volume (dm³)	Airflow (m³/h)	Air Throw (m)	Connection Pipe			Weight (kg)
	Tc = 0°C ΔT = 8K	Tc = -18°C ΔT = 7K					Inlet	Outlet	Drain	
4.2mm Fin Spacing										
CA7/135M-ES	1.8	1.4	6.8	1.3	1100	6	Φ12	Φ16	G3/4"	16
CA9/135M-ES	2.2	1.8	9.0	1.8	1000	6	Φ12	Φ16	G3/4"	17
CA14/235M-ES	3.7	3.0	13.6	2.5	2200	8	Φ12	Φ19	G3/4"	32
CA18/235M-ES	4.3	3.4	18.1	3.4	2000	8	Φ12	Φ19	G3/4"	34
CA21/335M-ES	5.6	4.5	20.9	3.8	3300	10	Φ12	Φ22	G3/4"	47
CA28/335M-ES	6.6	5.3	27.8	5.1	3000	10	Φ12	Φ22	G3/4"	49
CA27/435M-ES	7.3	5.8	27.1	5.0	4400	12	Φ12	Φ22	G3/4"	67
CA36/435M-ES	8.7	7.0	36.2	6.6	4000	12	Φ12	Φ22	G3/4"	70
6.4mm Fin Spacing										
CA5/135L-ES	1.5	1.2	4.6	1.3	1150	7	Φ12	Φ16	G3/4"	16
CA6/135L-ES	1.8	1.4	6.1	1.8	1050	7	Φ12	Φ16	G3/4"	17
CA9/235L-ES	3.0	2.4	9.2	2.5	2300	9	Φ12	Φ19	G3/4"	32
CA12/235L-ES	3.7	3.0	12.3	3.4	2100	9	Φ12	Φ19	G3/4"	34
CA14/335L-ES	4.6	3.7	14.2	3.8	3450	11	Φ12	Φ22	G3/4"	47
CA19/335L-ES	5.7	4.5	18.9	5.1	3150	11	Φ12	Φ22	G3/4"	49
CA18/435L-ES	6.1	4.9	18.4	5.0	4600	13	Φ12	Φ22	G3/4"	67
CA25/435L-ES	7.4	5.9	24.6	6.6	4200	13	Φ12	Φ22	G3/4"	70

Remarks: 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				Defrosting		
	Voltage (V)	Power (W)	Current (A)	Rev. (r/min)	Coil (kW)	Tray (kW)	Total (kW)
CA*/135**	220-1	105	0.5	960	0.6	0.6	1.2
CA*/235**	220-1	210	1.0	960	1.1	1.1	2.2
CA*/335**	220-1	315	1.5	960	1.7	1.7	3.4
CA*/435**	220-1	420	2.0	960	2.2	2.2	4.4

Outline & Installation Dimensions

5

Model	Outline Dimensions (mm)			Installation Dimensions (mm)					
	L	W	H	A	B	B1	B2	C	Hole
CA*/135**	905	635	287	595	680	/	/	150	4-Φ11.5
CA*/235**	1555	635	287	595	1330	/	/	150	4-Φ11.5
CA*/335**	2255	635	287	595	2030	668	/	150	6-Φ11.5
CA*/435**	2855	635	287	595	2630	/	1300	150	6-Φ11.5

