

DE Series

Air Cooler





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 SAUVERAIN

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1. Product Description:

DE series air cooler are mainly used in refrigerators as evaporators.

- ① Casing: Using Al-Mg alloy sheet, it has strong anticorrosive property and light weight.
- ② Heat Exchanger Coil: copper tubing $\phi 3/8$, Spacing 25 x 21.65;
Corrugated aluminium fins, fin spacing 6.0mm.
- ③ Fans: shaded Pole Motor, Working temperature -18°C to 50°C , Fan specification $\phi 200$, Number from 1 to 6.
- ④ Electric Defrost: Using stainless steel heating tubes.
- ⑤ It can meet the requirements of R404A, R507A, R448A, R449A, R134a, R22 and other refrigerants.

2. Model Description:

DE - 0.45 / 2.5





Performance Data Sheet

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3.1 Fin Spacing 6.0mm

Model	Capacity R404A (W)		Area of Cooling Surface (m ²)	Fan					Defrosting Heating Tube		
	T _c = 0°C ΔT = 10K	T _c = -18°C ΔT = 10K		Number	Blade Diameter (mm)	Air Volume (m ³ /h)	Motor Power (W)	Motor Voltage (V)	Number	Power (W)	Voltage (V)
DE 2.5/120L	450	430	2.5	1	Φ200	180	29	220	1	500	220
DE 5.0/220L	1094	918	5.0	2	Φ200	330	2 × 29	220	1	1000	220
DE 7.5/320L	1634	1300	7.5	3	Φ200	526	3 × 29	220	1	1500	220
DE 10/420L	2309	1936	10	4	Φ200	706	4 × 29	220	1	2000	220
DE 10/520L	2470	2000	10	5	Φ200	752	5 × 29	220	1	2000	220
DE 12/620L	3000	2520	12	6	Φ200	970	6 × 29	220	1	2500	220
DE 15/720L	3570	2950	15	7	Φ200	1080	7 × 29	220	1	2500	220

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

Connection and Dimensional Data

Model	A	B	C	D	E	E1	E2	F	Inlet Pipe	Discharge Tube	Drain
DE 2.5/120L	440	442	160	405	340	/	/	420	Φ12.7	Φ16	G3/4"
DE 5.0/220L	750	442	160	405	650	/	/	420	Φ12.7	Φ16	G3/4"
DE 7.5/320L	1060	442	160	405	960	/	/	420	Φ12.7	Φ16	G3/4"
DE 10/420L	1500	442	160	405	1395	360	670	420	Φ12.7	Φ16	G1"
DE 10/520L	1500	442	160	405	1395	558.5	276	420	Φ12.7	Φ16	G1"
DE 12/620L	1800	442	160	405	1695	570.5	564	420	Φ12.7	Φ16	G1"
DE 15/720L	2120	442	160	405	2015	579	855	420	Φ12.7	Φ16	G1"

Outline & Installation Dimension

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