

KD CSD45



HEAVY COMMERCIAL EVAPORATOR

Capacities:

- (1) 0°C ROOM, DT1 = 8K, R449A
- (2) -18°C ROOM, DT1 = 7K, R449A

Product description:

The KD CSD45 is a heavy commercial evaporator range with 6.0 mm fin spacing.

Product features:

- ▶ Pre fitted expansion valve on all models.
- ▶ Increased air throw with factory fitted air straightener.
- ▶ Low noise Ziehl-Abegg fan motor.
- ▶ Capacity range – 23.5 to 47.6 kw (SC2 Conditions)
- ▶ High efficiency inner grooved copper tube (DIA 1/2").
- ▶ Powder coated galvanised steel casing.
- ▶ PVC Terminal Box (IP66)
- ▶ Electric defrost
- ▶ Double drain pan

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CSD45 Evaporator

Model Range

Model	Capacity 8K TD R407F	Capacity 8K TD R449A	Air throw m	Num- ber of fans	Motor input watts/hr	Refrigeration connections Inlet Outlet	Surface area m ²	Internal volume dm ³	Unit Weight Kg
CSD 45-170M3	23,552	23,524	35	2	1,080	7/8 1.5/8	74.5	24.2	137
CSD 45-190M3	26,913	26,883	39	3	1,620	7/8 1.5/8	83.9	26.5	175
CSD 45-260M3	35,592	35,560	38	3	1,620	7/8 1.5/8	111.8	35.4	192
CSD 45-270M3	36,074	36,041	41	4	2,160	7/8 2.1/8	111.8	34.9	219
CSD 45-340M3	47,653	47,619	40	4	2,160	7/8 2.1/8	149.1	46.5	242

Capacity at SC2 conditions (EN 328)

Duty correction factors

Room temp°C	-30	-25	-20	-15	-10	-5	0	5
T.D.5K	0.26	0.26	0.29	0.30	0.32	0.33	0.34	0.35
T.D.6K	0.51	0.54	0.57	0.6	0.63	0.66	0.68	0.69
T.D.8K	0.73	0.79	0.84	0.88	0.92	0.96	1.00	1.01
T.D.10K	-	-	1.09	1.15	1.21	1.26	1.31	1.33

Refrigerants correction factors

R404A = 1.00	R134A = 0.95
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Electrical data

Common data	Unit	170M3	190M3	260M3	270M3	340M3
Fans	N x Ømm	2 x 450	3 x 450	3 x 450	4 x 450	4 x 450
Total input	Watts	1,080	1,620	1,620	2,160	2,160
400v-3Ph-50Hz	Amps	2.20	3.30	3.30	4.40	4.40
Electric defrost	Watts	11,720	16,700	16,940	21,920	22,160

Overall dimensions (mm)

Model	Length	Depth	Height
CSD 45-170M3	1760	519	684
CSD 45-190M3	2440	519	684
CSD 45-260M3	2440	519	684
CSD 45-270M3	3120	519	684
CSD 45-340M3	3120	519	684

Fixing dimensions (mm)

End	Middle	Depth
1411	-	621
2091	1391	621
2091	1391	621
2771	1386	621
2771	1386	621



Heavy commercial cooler