

KD CSD35



COMMERCIAL EVAPORATOR

Capacities:

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

Product description:

The KD CSD35 is a commercial cubic evaporator range with 6.0 mm fin spacing.

Product features:

- ▶ Expansion valve on all models.
- ▶ Increased air throw with factory fitted air straightener.
- ▶ Low noise Ziehl-Abegg fan motor.
- ▶ Capacity range – 3.0 to 19.0 kw (EN 328)
- ▶ High efficiency inner grooved copper tube (DIA 3/8").
- ▶ PVC Terminal Box (IP66)
- ▶ Powder painted aluminium case.
- ▶ Double drain pan
- ▶ Electric defrost

ORDER ONLINE

www.thermofrostcryo.co.uk

Exclusive distributor
 **Thermofrost Cryo**

CSD 35 Evaporator

Model Range

Model	Capacity 8K TD Watts	Air volume m3/hr	Air throw m	* Air throw m	Number of fans	Motor input watts/hr	Refrigerant connections Inlet Outlet	Surface area m2	Internal volume dm3	Unit Weight Kg
CSD35-020M	2,895	2,400	23	11	1	140	1/2 7/8	9.7	2.46	23
CSD35-030M	4,494	2,160	21	10	1	140	1/2 7/8	14.5	3.70	26
CSD35-040M	6,016	4,860	25	12	2	280	5/8 7/8	19.4	4.56	38
CSD35-050M	7,941	4,620	24	12	2	280	5/8 1.1/8	24.2	5.71	41
CSD35-075M	9,247	4,380	23	11	2	280	5/8 1.3/8	29.1	6.85	44
CSD35-100M	14,037	6,540	25	12	3	420	7/8 1.3/8	43.6	10.00	63
CSD35-120M	15,612	9,240	26	13	4	560	7/8 1.5/8	48.5	10.96	76
CSD35-150M	18,842	8,700	27	13	4	560	7/8 1.5/8	58.2	13.15	81

Capacity at SC2 conditions (EN 328) R449A

* Without air straightener

Duty correction factors

Room temp°C	-30	-25	-20	-15	-10	-5	0	5
T.D.5K	0.34	0.37	0.41	0.44	0.47	0.50	0.52	0.53
T.D.6K	0.44	0.49	0.53	0.58	0.61	0.65	0.69	0.70
T.D.8K	0.63	0.70	0.77	0.83	0.89	0.95	1.00	1.02
T.D.10K	-	-	-	1.08	1.15	1.23	1.31	1.34

Refrigerants correction factors

R134a = 0.95	R407F = 1.00
--------------	--------------

Electrical data

Common data	Unit	020M	030M	040M	050M	075M	100M	120M	150M
Fans	N x Ømm	1 x 350	1 x 350	2 x 350	2 x 350	2 x 350	3 x 350	4 x 350	4 x 350
Total input	Watts	140	140	280	280	280	420	560	560
230v-1Ph-50Hz	Amps	0.64	0.64	1.28	1.28	1.28	1.92	2.56	2.56
Electric defrost	Watts	1,950	3,250	3,480	5,800	5,800	8,350	10,900	10,900

Overall dimensions (mm)

Model	Length	Depth	Height
CSD35-020M	885	333	507
CSD35-030M	885	333	507
CSD35-040M	1435	333	507
CSD35-050M	1435	333	507
CSD35-075M	1435	333	507
CSD35-100M	1985	333	507
CSD35-120M	2535	333	507
CSD35-150M	2535	333	507

