



LIGHT COMMERCIAL EVAPORATOR

Capacities:

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

Product description:

The KD TD is a low profile air cooler, with 6 mm fin spacing making it suitable for both chiller and freezer room applications.

Product features:

- ▶ External rotor fan motor
- ▶ High efficiency internally grooved copper tube coils
- ▶ White powder coated aluminium casing
- ▶ Factory fitted electric defrost
- ▶ IP66 PVC Terminal box
- ▶ Cubic cooler draw through air flow

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TD Evaporator

Model range

Model	Capacity 8K TD R404A	Capacity 8K TD R407F	Capacity 8K TD R449A	Capacity 8K TD R134A	Approx air throw m	No fans	Motor heat input watts/hr	Refrig. connections		Surface area m2	Internal volume dm3	Unit Weight Kg
								Inlet	Outlet			
TD015M-ED	1,405	1,404	1,396	1,336	7.0	2	94	1/2	5/8	4.7	1.2	16
TD020M-ED	1,992	1,992	1,982	1,909	7.0	2	94	1/2	5/8	7.0	1.6	18
TD030M-ED	3,052	3,051	3,040	2,952	7.5	3	141	1/2	5/8	10.5	2.4	25
TD040M-ED	3,401	3,400	3,389	3,302	7.5	3	141	1/2	3/4	11.9	2.7	26
TD045M-ED	4,064	4,063	4,050	3,951	8.0	4	188	1/2	3/4	13.6	3.1	30
TD050M-ED	4,605	4,604	4,592	4,494	8.0	4	188	1/2	7/8	15.9	3.6	32

Capacities are based on a room temperature of 0°C. Externally equalised expansion valves should be used on all models. TD coolers have a white casing finish and come with factory fitted electric defrost as standard. Fan motors are 230v/1ph/50/60Hz. Air throw measured at distance at which velocity is 0.25 m/s.

Duty correction factors

Room temp °C	-30	-25	-20	-15	-10	-5	0	5
T.D. 4K	0.21	0.23	0.26	0.28	0.31	0.33	0.35	0.36
T.D. 6K	0.40	0.45	0.50	0.55	0.60	0.65	0.69	0.71
T.D. 8K	0.56	0.64	0.72	0.80	0.87	0.94	1.00	1.03
T.D. 10K	-	-	-	1.02	1.12	1.21	1.30	1.34

Electrical data

Common data	Unit	TD015M-ED	TD020M-ED	TD030M-ED	TD040M-ED	TD045M-ED	TD050M-ED
Fans	N x 0 mm	2 x 250	2 x 250	3 x 250	3 x 250	4 x 250	4 x 250
Total input	W	110	110	165	165	220	220
230v-1ph-50Hz	A	0.56	0.56	0.84	0.84	1.12	1.12
Electric defrost	W	1,520	1,520	2,130	2,390	2,690	3,090

Dimensional data

Model number	Overall dimensions			Fixing dimensions	
	Length (mm)	Width (mm)	Height (mm)	Length (mm)	Width (mm)
TD015M-ED	838	256	351	654	305
TD020M-ED	838	256	351	654	305
TD030M-ED	1,138	256	351	954	305
TD040M-ED	1,258	256	351	1,074	305
TD045M-ED	1,408	256	351	1,224	305
TD050M-ED	1,608	256	351	1,424	305

Cubic evaporator