

# KD TDM COOLER



## KD Air cooler

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

*Product features:*

- Factory fitted electric defrost
- High efficiency internally grooved copper tube coils
- Powder coated aluminium casing
- IP66 PVC Terminal box

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## Model range

Model	Capacity 8K TD Watts	Air volume m3/hr	Approx air throw m	No fans	Motor heat input watts/hr	Refrig. connections		Surface area m2	Internal volume dm3	Unit Weight Kg
						Inlet	Outlet			
TDM1	1223	1320	7.0	2	94	1/2	5/8	4.7	1.2	16
TDM2	1694	1140	7.0	2	94	1/2	5/8	7.0	1.6	18
TDM3	2514	1740	7.5	3	141	1/2	5/8	10.5	2.4	25
TDM4	2869	1920	7.5	3	141	1/2	3/4	11.9	2.7	26
TDM5	3279	2220	8.0	4	188	1/2	3/4	13.6	3.1	30
TDM6	3825	2580	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. TDM 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	0.44	0.44	0.45	0.46	0.48	0.49	0.50	0.59
T.D. 6K	0.65	0.65	0.68	0.70	0.71	0.73	0.75	0.88
T.D. 8K	0.87	0.87	0.90	0.93	0.95	0.98	1.00	1.17
T.D. 10K	1.09	1.10	1.13	1.16	1.19	1.22	1.25	1.47

## Refrigerant correction factors

R404a = 1.00	R134a = 0.89	R507 = 1.00	R407F = 0.97
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## Electrical data

Common data	Unit	TDM1	TDM2	TDM3	TDM4	TDM5	TDM6
Fans	N x 0 mm	2 x 250	2 x 250	3 x 250	3 x 250	4 x 250	4 x 250
Total fan consumption	W	94	94	141	141	188	188
230v-1ph-50Hz	A	0.64	0.64	0.96	0.96	1.28	1.28
Electric defrost fitted	W	1520	1520	2130	2390	2690	3090

## Dimensional data

Model number	Overall dimensions			Fixing dimensions	
	Length (mm)	Width (mm)	Height (mm)	Length (mm)	Width (mm)
TDM1	838	256	351	654	305
TDM2	838	256	351	654	305
TDM3	1138	256	351	954	305
TDM4	1258	256	351	1074	305
TDM5	1408	256	351	1224	305
TDM6	1608	256	351	1424	305

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