

CO2 Transcritical cooling

1. for Temperature only version add the suffix T
2. $\tau = +4^{\circ}\text{C}/+94^{\circ}\text{C}$ for continuous test
3. measured at 1 m distance in front of the unit in 1,6 m height, free field measurement
4. according to IEC 60068-3-5 and IEC 60068-3-6
5. the performance data refer to $+22^{\circ}\text{C}$ ambient temperature, 400V nominal voltage, without specimen
6. value calculated according to the principle of equivalent thermal current and average power over a cycle at maximum load.

	MODEL ¹	DM340 CO2 TRC	DM600 CO2 TRC	DM1200 CO2 TRC	DM1350 CO2 TRC	DM1600 CO2 TRC
Useful capacity (l)		337	553	1076	1356	1439
Internal dimensions approx. (mm)	Width	601	850	1000	1000	1000
	Depth	810	730	1130	1130	1510
	Height	694	892	953	1200	953
External dimensions approx. (mm)	Width	875	1124	1278	1278	1278
	Depth	1786	1768	2222	2222	2600
	Height	1765	2049	2111	2222	2111
Temperature range (°C)		-48...+180	-48...+180	-48...+180	-48...+180	-48...+180
Temperature fluctuation (K)		±0.1...±0.3	±0.1...±0.3	±0.1...±0.3	±0.1...±0.3	±0.1...±0.3
Temperature changing rate Heating ⁴⁺⁵	(-40/+180°C)	4,5K/min	4,5K/min	4,5K/min	4,0K/min	3,5K/min
Temperature changing rate Cooling ⁴⁺⁵	(+180/-40°C)	3,0K/min	4,5K/min	3,3K/min	3,0K/min	2,7K/min
Humidity range (%) ($\tau = -3/+94^{\circ}\text{C}$) ²		10...98	10...98	10...98	10...98	10...98
Temperature range for climatic test (°C)		10...95	10...95	10...95	10...95	10...95
Humidity fluctuation (%)		±1...±3	±1...±3	±1...±3	±1...±3	±1...±3
Maximum thermal Load (W) ⁵	T=+25°C	2300	4500	4500	4500	4500
Rated power (kW) ⁶		6,6	9,9	12,5	12,5	12,5
Rated current absorption (A)		12,6	17,4	21,1	21,1	21,1
Weight (kg)		665	875	1070	1170	1200
Sound pressure level dB(A) ³		55	57	56	56	56
Supply voltage (Vac)		400V ±10%/50Hz/3 + N + G				