

Performance data
Rating condition: EN 12900 | MT | SH 10 K

Superheat: 10.0 K

Subcooling: 0 K

Te = Evaporating temperature [°C]
Tc = Condensing temperature [°C]
MT080-4. Cooling capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	5.461	7.514	9.952	12.82	16.15	19.99	24.38	29.36	34.98
35.0	4.962	6.943	9.284	12.03	15.21	18.88	23.08	27.84	33.21
40.0	4.451	6.353	8.590	11.20	14.24	17.73	21.72	26.26	31.38
45.0	3.936	5.753	7.880	10.36	13.23	16.54	20.32	24.62	29.48
50.0	-	5.151	7.161	9.498	12.20	15.32	18.89	22.95	27.54
55.0	-	-	6.444	8.632	11.16	14.08	17.43	21.24	25.56
60.0	-	-	-	7.771	10.12	12.84	15.95	19.51	23.55
65.0	-	-	-	-	9.088	11.59	14.47	17.77	21.53

MT080-4. Power consumption [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	3.102	3.486	3.833	4.148	4.434	4.693	4.931	5.149	5.351
35.0	3.198	3.635	4.032	4.392	4.718	5.014	5.284	5.531	5.757
40.0	3.276	3.775	4.230	4.644	5.020	5.362	5.674	5.958	6.218
45.0	3.320	3.891	4.414	4.891	5.327	5.724	6.087	6.418	6.721
50.0	-	3.972	4.571	5.121	5.626	6.087	6.510	6.897	7.252
55.0	-	-	4.688	5.321	5.903	6.438	6.931	7.383	7.799
60.0	-	-	-	5.476	6.146	6.764	7.336	7.863	8.350
65.0	-	-	-	-	6.342	7.052	7.712	8.323	8.890

MT080-4. Heating capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	8.253	10.74	13.61	16.82	20.44	24.50	29.06	34.22	40.05
35.0	7.841	10.27	13.11	16.27	19.80	23.75	28.17	33.15	38.78
40.0	7.399	9.767	12.58	15.68	19.12	22.95	27.23	32.04	37.47
45.0	6.924	9.255	12.00	15.04	18.39	22.11	26.25	30.89	36.11

MT080-4. R22

50.0	-	8.726	11.39	14.37	17.63	21.22	25.22	29.69	34.72
55.0	-	-	10.75	13.66	16.83	20.31	24.16	28.45	33.28
60.0	-	-	-	12.93	16.00	19.35	23.06	27.18	31.81
65.0	-	-	-	-	15.15	18.37	21.93	25.88	30.31

MT080-4. Current [A]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	7.437	7.826	8.219	8.602	8.964	9.291	9.569	9.785	9.926
35.0	7.563	8.012	8.463	8.902	9.316	9.692	10.02	10.28	10.46
40.0	7.651	8.178	8.704	9.215	9.698	10.14	10.53	10.85	11.09
45.0	7.684	8.306	8.923	9.524	10.09	10.62	11.09	11.49	11.81
50.0	-	8.378	9.105	9.812	10.49	11.11	11.68	12.18	12.58
55.0	-	-	9.231	10.06	10.86	11.60	12.29	12.89	13.41
60.0	-	-	-	10.26	11.19	12.07	12.89	13.62	14.27
65.0	-	-	-	-	11.47	12.50	13.47	14.35	15.14

MT080-4. COP [W/W]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	1.76	2.16	2.60	3.09	3.64	4.26	4.94	5.70	6.54
35.0	1.55	1.91	2.30	2.74	3.22	3.77	4.37	5.03	5.77
40.0	1.36	1.68	2.03	2.41	2.84	3.31	3.83	4.41	5.05
45.0	1.19	1.48	1.79	2.12	2.48	2.89	3.34	3.84	4.39
50.0	-	1.30	1.57	1.85	2.17	2.52	2.90	3.33	3.80
55.0	-	-	1.38	1.62	1.89	2.19	2.51	2.88	3.28
60.0	-	-	-	1.42	1.65	1.90	2.17	2.48	2.82
65.0	-	-	-	-	1.43	1.64	1.88	2.14	2.42

MT080-4. Mass flow [kg/h]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	118.9	161.4	211.0	268.2	333.8	408.3	492.5	586.9	692.1
35.0	112.4	155.1	204.5	261.5	326.5	400.3	483.6	577.0	681.2
40.0	105.2	147.9	197.2	253.6	318.0	391.0	473.3	565.5	668.5
45.0	97.29	140.0	188.9	244.8	308.3	380.3	461.4	552.4	654.0
50.0	-	131.4	179.9	235.0	297.6	368.4	448.2	537.8	637.9
55.0	-	-	170.2	224.4	285.8	355.3	433.7	521.6	620.0
60.0	-	-	-	213.2	273.2	341.2	417.8	504.0	600.6
65.0	-	-	-	-	259.9	326.1	400.9	485.1	579.7