

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]
MT125-4. Cooling capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	8.795	11.71	15.22	19.42	24.39	30.19	36.92	44.65	53.46
35.0	7.858	10.65	14.01	18.02	22.76	28.30	34.73	42.12	50.56
40.0	6.998	9.650	12.83	16.63	21.12	26.37	32.48	39.51	47.54
45.0	6.226	8.714	11.70	15.26	19.47	24.42	30.17	36.82	44.43
50.0	-	7.853	10.62	13.92	17.83	22.45	27.83	34.07	41.24
55.0	-	-	9.596	12.62	16.22	20.47	25.46	31.27	37.97
60.0	-	-	-	11.37	14.63	18.50	23.08	28.43	34.64
65.0	-	-	-	-	13.07	16.55	20.69	25.56	31.25

MT125-4. Power consumption [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	4.821	5.395	5.939	6.430	6.848	7.172	7.381	7.453	7.367
35.0	5.081	5.689	6.276	6.822	7.305	7.705	7.999	8.168	8.189
40.0	5.301	5.950	6.588	7.196	7.752	8.234	8.622	8.894	9.030
45.0	5.476	6.173	6.870	7.547	8.182	8.754	9.243	9.626	9.884
50.0	-	6.352	7.115	7.868	8.590	9.259	9.856	10.36	10.74
55.0	-	-	7.316	8.153	8.969	9.743	10.45	11.08	11.60
60.0	-	-	-	8.396	9.313	10.20	11.03	11.79	12.46
65.0	-	-	-	-	9.617	10.62	11.59	12.49	13.30

MT125-4. Heating capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	13.62	17.10	21.16	25.85	31.24	37.37	44.30	52.10	60.83
35.0	12.94	16.34	20.29	24.84	30.06	36.01	42.73	50.29	58.74
40.0	12.30	15.60	19.42	23.83	28.87	34.61	41.10	48.40	56.57
45.0	11.70	14.89	18.57	22.81	27.65	33.17	39.42	46.44	54.31

MT125-4. R22

50.0	-	14.21	17.73	21.78	26.42	31.71	37.69	44.43	51.98
55.0	-	-	16.91	20.77	25.18	30.22	35.92	42.35	49.57
60.0	-	-	-	19.76	23.94	28.70	34.11	40.23	47.10
65.0	-	-	-	-	22.69	27.17	32.28	38.05	44.55

MT125-4. Current [A]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	8.575	9.272	9.982	10.66	11.26	11.74	12.05	12.15	11.99
35.0	8.901	9.654	10.44	11.21	11.92	12.53	12.99	13.26	13.29
40.0	9.182	10.00	10.88	11.75	12.59	13.35	13.97	14.43	14.66
45.0	9.404	10.31	11.28	12.28	13.26	14.18	14.98	15.63	16.08
50.0	-	10.56	11.65	12.78	13.91	15.00	16.00	16.86	17.54
55.0	-	-	11.95	13.24	14.54	15.81	17.01	18.10	19.02
60.0	-	-	-	13.63	15.11	16.59	18.01	19.33	20.52
65.0	-	-	-	-	15.64	17.32	18.98	20.55	22.01

MT125-4. COP [W/W]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	1.82	2.17	2.56	3.02	3.56	4.21	5.00	5.99	7.26
35.0	1.55	1.87	2.23	2.64	3.12	3.67	4.34	5.16	6.17
40.0	1.32	1.62	1.95	2.31	2.72	3.20	3.77	4.44	5.26
45.0	1.14	1.41	1.70	2.02	2.38	2.79	3.26	3.83	4.50
50.0	-	1.24	1.49	1.77	2.08	2.42	2.82	3.29	3.84
55.0	-	-	1.31	1.55	1.81	2.10	2.44	2.82	3.27
60.0	-	-	-	1.35	1.57	1.81	2.09	2.41	2.78
65.0	-	-	-	-	1.36	1.56	1.79	2.05	2.35

MT125-4. 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	191.5	251.5	322.7	406.5	504.2	616.9	745.9	892.5	1058
35.0	178.1	237.9	308.7	391.8	488.5	600.1	727.9	873.1	1037
40.0	165.4	224.7	294.6	376.5	471.7	581.7	707.6	850.9	1013
45.0	153.9	212.1	280.5	360.6	453.8	561.5	685.2	826.1	985.6
50.0	-	200.4	266.6	344.3	434.9	539.8	660.5	798.4	955.0
55.0	-	-	253.4	327.9	415.1	516.6	633.7	768.0	920.9
60.0	-	-	-	311.7	394.8	491.9	604.6	734.5	883.2
65.0	-	-	-	-	373.9	465.8	573.3	698.1	841.7