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]

MT160-4. Cooling capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	11.25	14.82	19.16	24.37	30.56	37.84	46.31	56.08	67.25
35.0	10.09	13.51	17.66	22.63	28.54	35.49	43.59	52.94	63.64
40.0	9.026	12.27	16.19	20.90	26.50	33.09	40.79	49.68	59.88
45.0	8.059	11.10	14.78	19.19	24.45	30.65	37.91	46.33	56.00
50.0	-	10.01	13.41	17.50	22.39	28.18	34.98	42.89	52.01
55.0	-	-	12.11	15.86	20.35	25.70	32.00	39.37	47.91
60.0	-	-	-	14.26	18.33	23.21	28.99	35.80	43.72
65.0	-	-	-	-	16.34	20.72	25.96	32.17	39.44

MT160-4. Power consumption [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	6.153	6.858	7.525	8.129	8.643	9.042	9.300	9.391	9.289
35.0	6.462	7.210	7.934	8.607	9.205	9.700	10.07	10.28	10.32
40.0	6.723	7.523	8.312	9.064	9.753	10.35	10.84	11.19	11.37
45.0	6.928	7.789	8.652	9.492	10.28	11.00	11.61	12.10	12.44
50.0	-	8.000	8.948	9.885	10.79	11.63	12.38	13.02	13.52
55.0	-	-	9.191	10.23	11.26	12.23	13.13	13.93	14.60
60.0	-	-	-	10.54	11.69	12.80	13.86	14.82	15.68
65.0	-	-	-	-	12.07	13.33	14.55	15.70	16.75

MT160-4. Heating capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	17.40	21.68	26.68	32.50	39.20	46.88	55.61	65.47	76.54
35.0	16.56	20.72	25.59	31.24	37.75	45.19	53.66	63.22	73.95
40.0	15.75	19.79	24.51	29.97	36.26	43.45	51.63	60.87	71.25
45.0	14.99	18.89	23.43	28.68	34.73	41.65	49.53	58.43	68.44

50.0	-	18.01	22.36	27.39	33.18	39.81	47.36	55.90	65.52
55.0	-	-	21.31	26.09	31.61	37.93	45.13	53.30	62.51
60.0	-	-	-	24.79	30.02	36.01	42.85	50.62	59.40
65.0	-	-	-	-	28.41	34.06	40.52	47.87	56.19

MT160-4. Current [A]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	12.97	13.71	14.46	15.16	15.77	16.26	16.58	16.69	16.54
35.0	13.32	14.11	14.92	15.72	16.45	17.08	17.56	17.85	17.90
40.0	13.60	14.46	15.37	16.27	17.14	17.92	18.58	19.06	19.34
45.0	13.82	14.77	15.78	16.81	17.83	18.78	19.63	20.33	20.84
50.0	-	15.01	16.14	17.32	18.50	19.64	20.70	21.63	22.39
55.0	-	-	16.45	17.78	19.15	20.49	21.77	22.95	23.97
60.0	-	-	-	18.20	19.76	21.32	22.84	24.28	25.59
65.0	-	-	-	-	20.32	22.11	23.89	25.61	27.22

MT160-4. COP [W/W]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	1.83	2.16	2.54	3.00	3.54	4.19	4.98	5.97	7.24
35.0	1.56	1.87	2.23	2.63	3.10	3.66	4.33	5.15	6.17
40.0	1.34	1.63	1.95	2.31	2.72	3.20	3.76	4.44	5.27
45.0	1.16	1.43	1.71	2.02	2.38	2.79	3.26	3.83	4.50
50.0	-	1.25	1.50	1.77	2.08	2.42	2.83	3.29	3.85
55.0	-	-	1.32	1.55	1.81	2.10	2.44	2.83	3.28
60.0	-	-	-	1.35	1.57	1.81	2.09	2.42	2.79
65.0	-	-	-	-	1.35	1.55	1.78	2.05	2.35

MT160-4. 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	245.1	318.3	406.1	510.0	631.8	773.1	935.6	1121	1331
35.0	228.7	301.9	389.1	492.1	612.7	752.6	913.6	1097	1305
40.0	213.3	285.7	371.7	473.2	592.0	729.9	888.7	1070	1276
45.0	199.2	270.1	354.2	453.5	569.8	705.0	860.9	1039	1242
50.0	-	255.5	336.9	433.1	546.1	677.8	830.2	1005	1204
55.0	-	-	320.0	412.2	521.0	648.4	796.4	967.0	1162
60.0	-	-	-	391.1	494.8	616.9	759.5	924.8	1115
65.0	-	-	-	-	467.4	583.1	719.4	878.4	1062