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]

MT064-4. Cooling capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	4.151	5.704	7.573	9.791	12.39	15.41	18.87	22.82	27.28
35.0	3.736	5.224	7.009	9.125	11.60	14.48	17.79	21.56	25.82
40.0	3.324	4.741	6.435	8.442	10.79	13.52	16.67	20.25	24.32
45.0	2.923	4.261	5.860	7.751	9.970	12.55	15.52	18.91	22.77
50.0	-	3.793	5.289	7.059	9.138	11.56	14.35	17.55	21.19
55.0	-	-	4.731	6.374	8.306	10.56	13.17	16.17	19.59
60.0	-	-	-	5.701	7.481	9.564	11.98	14.78	17.97
65.0	-	-	-	-	6.671	8.577	10.80	13.38	16.34

MT064-4. Power consumption [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	2.297	2.598	2.861	3.087	3.277	3.432	3.553	3.642	3.699
35.0	2.356	2.704	3.012	3.282	3.516	3.713	3.875	4.004	4.100
40.0	2.391	2.791	3.150	3.469	3.751	3.995	4.204	4.377	4.517
45.0	2.397	2.852	3.267	3.641	3.976	4.272	4.532	4.755	4.944
50.0	-	2.882	3.357	3.790	4.183	4.537	4.852	5.131	5.374
55.0	-	-	3.412	3.910	4.366	4.782	5.158	5.497	5.799
60.0	-	-	-	3.993	4.517	5.000	5.443	5.846	6.212
65.0	-	-	-	-	4.630	5.185	5.699	6.172	6.606

MT064-4. Heating capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	6.237	8.161	10.35	12.83	15.63	18.79	22.34	26.35	30.88
35.0	5.856	7.749	9.912	12.35	15.08	18.15	21.60	25.49	29.88
40.0	5.477	7.311	9.442	11.83	14.49	17.47	20.82	24.58	28.82
45.0	5.080	6.856	8.948	11.27	13.87	16.76	19.99	23.62	27.71

50.0	-	6.390	8.436	10.70	13.21	16.01	19.13	22.63	26.57
55.0	-	-	7.913	10.11	12.53	15.22	18.23	21.59	25.38
60.0	-	-	-	9.498	11.83	14.41	17.29	20.51	24.14
65.0	-	-	-	-	11.11	13.57	16.32	19.40	22.87

MT064-4. Current [A]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	5.525	5.839	6.139	6.417	6.668	6.886	7.065	7.200	7.283
35.0	5.596	5.955	6.297	6.616	6.907	7.163	7.379	7.548	7.666
40.0	5.636	6.053	6.453	6.828	7.173	7.482	7.750	7.969	8.135
45.0	5.625	6.116	6.587	7.032	7.447	7.824	8.157	8.442	8.671
50.0	-	6.121	6.679	7.210	7.708	8.167	8.582	8.946	9.254
55.0	-	-	6.709	7.340	7.937	8.493	9.004	9.462	9.863
60.0	-	-	-	7.403	8.113	8.782	9.403	9.970	10.48
65.0	-	-	-	-	8.217	9.012	9.758	10.45	11.08

MT064-4. COP [W/W]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	1.81	2.19	2.65	3.17	3.78	4.49	5.31	6.27	7.38
35.0	1.59	1.93	2.33	2.78	3.30	3.90	4.59	5.38	6.30
40.0	1.39	1.70	2.04	2.43	2.88	3.39	3.97	4.63	5.38
45.0	1.22	1.49	1.79	2.13	2.51	2.94	3.42	3.98	4.61
50.0	-	1.32	1.58	1.86	2.19	2.55	2.96	3.42	3.94
55.0	-	-	1.39	1.63	1.90	2.21	2.55	2.94	3.38
60.0	-	-	-	1.43	1.66	1.91	2.20	2.53	2.89
65.0	-	-	-	-	1.44	1.65	1.90	2.17	2.47

MT064-4. 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	90.40	122.5	160.5	204.9	256.2	314.8	381.3	456.1	539.8
35.0	84.66	116.7	154.4	198.4	249.1	307.0	372.8	446.8	529.6
40.0	78.57	110.4	147.7	191.1	241.1	298.3	363.1	436.2	518.1
45.0	72.25	103.7	140.5	183.2	232.3	288.6	352.4	424.4	505.1
50.0	-	96.79	132.8	174.7	222.8	277.9	340.6	411.3	490.8
55.0	-	-	125.0	165.7	212.6	266.5	327.7	397.1	475.2
60.0	-	-	-	156.4	201.9	254.2	314.0	381.7	458.2
65.0	-	-	-	-	190.8	241.4	299.3	365.3	440.0