

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]

MT072-4. Cooling capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	4.414	6.222	8.397	10.98	14.02	17.55	21.62	26.27	31.55
35.0	3.955	5.692	7.771	10.23	13.12	16.48	20.36	24.78	29.81
40.0	3.487	5.152	7.134	9.476	12.22	15.41	19.08	23.29	28.06
45.0	3.010	4.605	6.490	8.710	11.31	14.32	17.80	21.78	26.31
50.0	-	4.051	5.840	7.938	10.39	13.23	16.51	20.27	24.54
55.0	-	-	5.186	7.161	9.463	12.13	15.21	18.75	22.78
60.0	-	-	-	6.383	8.537	11.03	13.92	17.23	21.01
65.0	-	-	-	-	7.610	9.935	12.62	15.71	19.24

MT072-4. Power consumption [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	2.559	2.941	3.276	3.568	3.821	4.040	4.227	4.388	4.526
35.0	2.614	3.056	3.445	3.787	4.084	4.342	4.564	4.754	4.916
40.0	2.634	3.143	3.596	3.995	4.345	4.650	4.914	5.141	5.336
45.0	2.613	3.199	3.722	4.186	4.597	4.957	5.272	5.544	5.779
50.0	-	3.215	3.817	4.355	4.834	5.258	5.630	5.956	6.239
55.0	-	-	3.874	4.494	5.050	5.545	5.984	6.371	6.711
60.0	-	-	-	4.598	5.238	5.813	6.327	6.783	7.187
65.0	-	-	-	-	5.393	6.055	6.651	7.185	7.661

MT072-4. Heating capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	6.717	8.927	11.52	14.45	17.76	21.49	25.70	30.45	35.82
35.0	6.308	8.470	11.03	13.90	17.13	20.75	24.81	29.39	34.56
40.0	5.857	7.981	10.51	13.33	16.47	19.98	23.91	28.32	33.29
45.0	5.362	7.483	9.956	12.73	15.79	19.19	22.99	27.24	32.02

MT072-4. R22

50.0	-	6.945	9.363	12.09	15.08	18.39	22.06	26.15	30.75
55.0	-	-	8.726	11.42	14.34	17.55	21.10	25.05	29.46
60.0	-	-	-	10.70	13.57	16.69	20.12	23.93	28.17
65.0	-	-	-	-	12.75	15.79	19.12	22.78	26.86

MT072-4. Current [A]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	6.677	7.029	7.377	7.709	8.018	8.292	8.523	8.702	8.818
35.0	6.768	7.185	7.591	7.977	8.332	8.648	8.914	9.122	9.262
40.0	6.800	7.299	7.782	8.237	8.657	9.031	9.350	9.605	9.786
45.0	6.760	7.359	7.935	8.479	8.981	9.431	9.820	10.14	10.38
50.0	-	7.353	8.041	8.690	9.291	9.835	10.31	10.71	11.03
55.0	-	-	8.085	8.858	9.576	10.23	10.81	11.31	11.72
60.0	-	-	-	8.971	9.824	10.61	11.31	11.93	12.45
65.0	-	-	-	-	10.02	10.95	11.80	12.55	13.20

MT072-4. COP [W/W]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	1.73	2.12	2.56	3.08	3.67	4.34	5.12	5.99	6.97
35.0	1.51	1.86	2.25	2.70	3.21	3.80	4.46	5.21	6.06
40.0	1.32	1.64	1.98	2.37	2.81	3.31	3.88	4.53	5.26
45.0	1.15	1.44	1.74	2.08	2.46	2.89	3.38	3.93	4.55
50.0	-	1.26	1.53	1.82	2.15	2.52	2.93	3.40	3.93
55.0	-	-	1.34	1.59	1.87	2.19	2.54	2.94	3.39
60.0	-	-	-	1.39	1.63	1.90	2.20	2.54	2.92
65.0	-	-	-	-	1.41	1.64	1.90	2.19	2.51

MT072-4. 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	96.14	133.7	178.0	229.8	289.8	358.6	436.9	525.2	624.2
35.0	89.63	127.1	171.2	222.5	281.7	349.6	426.7	513.7	611.4
40.0	82.41	120.0	163.7	214.5	273.0	339.8	415.8	501.6	597.9
45.0	74.41	112.1	155.6	205.8	263.5	329.4	404.2	488.7	583.6
50.0	-	103.4	146.7	196.4	253.3	318.1	391.8	474.9	568.4
55.0	-	-	137.0	186.2	242.3	306.1	378.6	460.4	552.5
60.0	-	-	-	175.1	230.4	293.3	364.6	445.1	535.7
65.0	-	-	-	-	217.7	279.6	349.7	428.9	518.1