

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]
MT050-4. Cooling capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	2.978	4.246	5.785	7.619	9.777	12.28	15.17	18.45	22.17
35.0	2.649	3.850	5.306	7.042	9.085	11.46	14.20	17.32	20.86
40.0	2.327	3.456	4.824	6.457	8.381	10.62	13.21	16.17	19.52
45.0	2.018	3.071	4.347	5.871	7.672	9.774	12.21	14.99	18.16
50.0	-	2.702	3.881	5.293	6.965	8.924	11.20	13.81	16.79
55.0	-	-	3.435	4.730	6.269	8.079	10.19	12.62	15.40
60.0	-	-	-	4.188	5.590	7.247	9.185	11.43	14.02
65.0	-	-	-	-	4.935	6.434	8.199	10.26	12.63

MT050-4. Power consumption [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	1.873	2.115	2.319	2.489	2.629	2.744	2.838	2.915	2.981
35.0	1.920	2.204	2.446	2.652	2.825	2.970	3.091	3.192	3.279
40.0	1.940	2.272	2.558	2.805	3.016	3.196	3.349	3.480	3.593
45.0	1.930	2.313	2.649	2.943	3.197	3.417	3.608	3.773	3.918
50.0	-	2.323	2.714	3.059	3.362	3.628	3.861	4.066	4.247
55.0	-	-	2.747	3.148	3.506	3.823	4.104	4.354	4.577
60.0	-	-	-	3.206	3.622	3.995	4.330	4.630	4.900
65.0	-	-	-	-	3.706	4.141	4.534	4.889	5.212

MT050-4. Heating capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	4.663	6.150	7.922	9.991	12.31	14.92	17.82	21.08	24.85
35.0	4.377	5.834	7.521	9.540	11.80	14.33	17.14	20.28	23.81
40.0	4.073	5.501	7.127	9.064	11.26	13.71	16.43	19.47	22.86
45.0	3.755	5.153	6.731	8.566	10.69	13.06	15.69	18.62	21.90

MT050-4. R22

50.0	-	4.793	6.324	8.054	10.10	12.38	14.92	17.74	20.90
55.0	-	-	5.907	7.563	9.499	11.69	14.12	16.83	19.87
60.0	-	-	-	7.073	8.887	10.97	13.30	15.90	18.81
65.0	-	-	-	-	8.275	10.25	12.46	14.94	17.72

MT050-4. Current [A]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	4.286	4.529	4.764	4.985	5.188	5.369	5.522	5.643	5.727
35.0	4.369	4.651	4.920	5.172	5.401	5.603	5.773	5.907	6.000
40.0	4.408	4.744	5.063	5.359	5.629	5.868	6.070	6.232	6.348
45.0	4.390	4.794	5.177	5.533	5.859	6.148	6.398	6.602	6.756
50.0	-	4.788	5.249	5.680	6.075	6.431	6.742	7.003	7.210
55.0	-	-	5.264	5.784	6.265	6.701	7.088	7.421	7.696
60.0	-	-	-	5.832	6.412	6.944	7.422	7.842	8.199
65.0	-	-	-	-	6.503	7.145	7.729	8.250	8.705

MT050-4. COP [W/W]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	1.59	2.01	2.50	3.06	3.72	4.48	5.34	6.33	7.44
35.0	1.38	1.75	2.17	2.66	3.22	3.86	4.59	5.43	6.36
40.0	1.20	1.52	1.89	2.30	2.78	3.32	3.94	4.65	5.43
45.0	1.05	1.33	1.64	2.00	2.40	2.86	3.38	3.97	4.64
50.0	-	1.16	1.43	1.73	2.07	2.46	2.90	3.40	3.95
55.0	-	-	1.25	1.50	1.79	2.11	2.48	2.90	3.37
60.0	-	-	-	1.31	1.54	1.81	2.12	2.47	2.86
65.0	-	-	-	-	1.33	1.55	1.81	2.10	2.42

MT050-4. 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	64.85	91.21	122.6	159.5	202.1	251.0	306.4	368.8	438.6
35.0	60.03	86.01	116.9	153.1	195.0	243.0	297.6	359.1	427.9
40.0	54.99	80.48	110.7	146.2	187.2	234.3	287.8	348.3	416.0
45.0	49.88	74.74	104.2	138.7	178.8	224.8	277.2	336.4	402.9
50.0	-	68.95	97.48	131.0	169.8	214.6	265.7	323.6	388.8
55.0	-	-	90.71	122.9	160.5	203.8	253.5	309.9	373.6
60.0	-	-	-	114.9	150.9	192.6	240.6	295.4	357.4
65.0	-	-	-	-	141.2	181.1	227.2	280.1	340.3