

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]
MT022-4. Cooling capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	1.241	1.817	2.502	3.309	4.251	5.340	6.590	8.013	9.622
35.0	1.050	1.607	2.267	3.043	3.947	4.993	6.194	7.561	9.109
40.0	0.865	1.399	2.030	2.770	3.634	4.632	5.780	7.089	8.571
45.0	0.686	1.193	1.791	2.493	3.311	4.259	5.350	6.596	8.009
50.0	-	0.991	1.552	2.211	2.981	3.875	4.905	6.083	7.424
55.0	-	-	1.314	1.927	2.645	3.480	4.445	5.554	6.818
60.0	-	-	-	1.642	2.304	3.077	3.974	5.008	6.191
65.0	-	-	-	-	1.959	2.666	3.491	4.446	5.544

MT022-4. Power consumption [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	0.707	0.860	1.004	1.132	1.238	1.317	1.361	1.365	1.323
35.0	0.739	0.899	1.051	1.190	1.309	1.403	1.464	1.488	1.467
40.0	0.760	0.928	1.090	1.242	1.376	1.486	1.566	1.610	1.612
45.0	0.769	0.947	1.121	1.286	1.436	1.564	1.664	1.731	1.757
50.0	-	0.954	1.141	1.322	1.489	1.636	1.758	1.848	1.900
55.0	-	-	1.150	1.347	1.533	1.701	1.846	1.961	2.041
60.0	-	-	-	1.360	1.566	1.757	1.927	2.068	2.176
65.0	-	-	-	-	1.589	1.803	1.998	2.168	2.306

MT022-4. Heating capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	1.948	2.677	3.506	4.441	5.489	6.657	7.951	9.378	10.95
35.0	1.789	2.506	3.318	4.233	5.256	6.396	7.658	9.049	10.58
40.0	1.625	2.327	3.120	4.012	5.009	6.118	7.346	8.699	10.18
45.0	1.456	2.140	2.912	3.779	4.747	5.823	7.014	8.326	9.767

MT022-4. R22

50.0	-	1.944	2.693	3.533	4.470	5.511	6.663	7.932	9.325
55.0	-	-	2.464	3.274	4.177	5.181	6.291	7.515	8.858
60.0	-	-	-	3.002	3.870	4.834	5.900	7.076	8.367
65.0	-	-	-	-	3.547	4.469	5.489	6.614	7.850

MT022-4. Current [A]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	2.044	2.155	2.276	2.397	2.505	2.590	2.638	2.640	2.581
35.0	2.072	2.187	2.318	2.452	2.578	2.684	2.758	2.788	2.764
40.0	2.090	2.213	2.355	2.504	2.649	2.779	2.881	2.943	2.954
45.0	2.098	2.230	2.385	2.552	2.719	2.874	3.005	3.101	3.150
50.0	-	2.236	2.406	2.593	2.783	2.966	3.128	3.260	3.349
55.0	-	-	2.417	2.625	2.841	3.053	3.249	3.419	3.549
60.0	-	-	-	2.646	2.890	3.133	3.366	3.575	3.749
65.0	-	-	-	-	2.928	3.205	3.475	3.726	3.947

MT022-4. COP [W/W]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	1.75	2.11	2.49	2.92	3.43	4.06	4.84	5.87	7.27
35.0	1.42	1.79	2.16	2.56	3.02	3.56	4.23	5.08	6.21
40.0	1.14	1.51	1.86	2.23	2.64	3.12	3.69	4.40	5.32
45.0	0.89	1.26	1.60	1.94	2.31	2.72	3.21	3.81	4.56
50.0	-	1.04	1.36	1.67	2.00	2.37	2.79	3.29	3.91
55.0	-	-	1.14	1.43	1.73	2.05	2.41	2.83	3.34
60.0	-	-	-	1.21	1.47	1.75	2.06	2.42	2.85
65.0	-	-	-	-	1.23	1.48	1.75	2.05	2.40

MT022-4. 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	27.02	39.03	53.05	69.26	87.88	109.1	133.1	160.2	190.4
35.0	23.80	35.90	49.95	66.16	84.73	105.9	129.8	156.7	186.8
40.0	20.45	32.57	46.58	62.71	81.17	102.2	125.9	152.7	182.6
45.0	16.96	29.03	42.93	58.90	77.16	97.95	121.5	148.0	177.7
50.0	-	25.28	38.98	54.70	72.69	93.18	116.4	142.6	171.9
55.0	-	-	34.71	50.10	67.71	87.81	110.6	136.4	165.4
60.0	-	-	-	45.04	62.18	81.78	104.1	129.4	157.9
65.0	-	-	-	-	56.03	75.02	96.73	121.4	149.3