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]

MT056-4. Cooling capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	3.254	4.579	6.238	8.261	10.68	13.53	16.84	20.64	24.96
35.0	2.967	4.195	5.741	7.638	9.915	12.61	15.74	19.36	23.48
40.0	2.712	3.837	5.266	7.030	9.160	11.69	14.65	18.07	21.98
45.0	2.496	3.513	4.819	6.445	8.422	10.78	13.56	16.78	20.48
50.0	-	3.229	4.407	5.890	7.709	9.897	12.48	15.50	18.99
55.0	-	-	4.037	5.372	7.028	9.038	11.43	14.24	17.50
60.0	-	-	-	4.898	6.386	8.213	10.41	13.01	16.04
65.0	-	-	-	-	5.791	7.429	9.421	11.80	14.60

MT056-4. Power consumption [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	2.019	2.270	2.495	2.695	2.871	3.025	3.158	3.273	3.369
35.0	2.093	2.376	2.632	2.864	3.073	3.259	3.426	3.573	3.702
40.0	2.154	2.470	2.761	3.027	3.270	3.492	3.693	3.875	4.040
45.0	2.199	2.551	2.878	3.181	3.461	3.720	3.959	4.179	4.382
50.0	-	2.618	2.984	3.326	3.645	3.943	4.222	4.482	4.725
55.0	-	-	3.076	3.459	3.820	4.160	4.480	4.783	5.068
60.0	-	-	-	3.579	3.984	4.368	4.733	5.080	5.410
65.0	-	-	-	-	4.136	4.566	4.978	5.372	5.750

MT056-4. Heating capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	5.071	6.622	8.531	10.83	13.45	16.43	19.78	23.58	27.99
35.0	4.851	6.334	8.117	10.33	12.87	15.75	19.00	22.65	26.81
40.0	4.650	6.061	7.751	9.835	12.28	15.05	18.19	21.73	25.70
45.0	4.474	5.809	7.409	9.352	11.69	14.35	17.38	20.79	24.63

50.0	-	5.585	7.092	8.890	11.11	13.65	16.55	19.83	23.54
55.0	-	-	6.805	8.485	10.55	12.96	15.73	18.87	22.43
60.0	-	-	-	8.119	10.02	12.29	14.91	17.90	21.31
65.0	-	-	-	-	9.539	11.64	14.11	16.95	20.20

MT056-4. Current [A]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	5.091	5.341	5.595	5.840	6.067	6.265	6.420	6.524	6.564
35.0	5.197	5.464	5.738	6.009	6.264	6.494	6.685	6.829	6.913
40.0	5.295	5.589	5.893	6.197	6.490	6.760	6.997	7.189	7.325
45.0	5.372	5.700	6.043	6.390	6.729	7.050	7.340	7.590	7.788
50.0	-	5.784	6.175	6.573	6.968	7.347	7.701	8.017	8.285
55.0	-	-	6.272	6.731	7.190	7.638	8.063	8.455	8.802
60.0	-	-	-	6.849	7.382	7.906	8.413	8.889	9.325
65.0	-	-	-	-	7.528	8.139	8.735	9.305	9.838

MT056-4. COP [W/W]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	1.61	2.02	2.50	3.07	3.72	4.47	5.33	6.31	7.41
35.0	1.42	1.77	2.18	2.67	3.23	3.87	4.59	5.42	6.34
40.0	1.26	1.55	1.91	2.32	2.80	3.35	3.97	4.66	5.44
45.0	1.14	1.38	1.67	2.03	2.43	2.90	3.43	4.02	4.67
50.0	-	1.23	1.48	1.77	2.12	2.51	2.96	3.46	4.02
55.0	-	-	1.31	1.55	1.84	2.17	2.55	2.98	3.45
60.0	-	-	-	1.37	1.60	1.88	2.20	2.56	2.96
65.0	-	-	-	-	1.40	1.63	1.89	2.20	2.54

MT056-4. 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	70.86	98.36	132.2	172.9	220.8	276.4	340.2	412.5	493.9
35.0	67.24	93.71	126.5	166.1	212.8	267.3	329.9	401.2	481.5
40.0	64.10	89.35	120.9	159.1	204.6	257.8	319.1	389.1	468.3
45.0	61.69	85.49	115.5	152.3	196.3	248.0	307.9	376.5	454.3
50.0	-	82.39	110.7	145.7	188.0	238.0	296.3	363.3	439.7
55.0	-	-	106.6	139.6	179.9	228.0	284.5	349.8	424.5
60.0	-	-	-	134.4	172.4	218.3	272.7	336.0	408.9
65.0	-	-	-	-	165.6	209.1	261.1	322.2	393.1