

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]
MT036-4. Cooling capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	2.741	3.691	4.782	6.027	7.436	9.022	10.80	12.77	14.95
35.0	2.436	3.362	4.424	5.633	6.999	8.535	10.25	12.16	14.28
40.0	2.130	3.029	4.057	5.225	6.545	8.027	9.683	11.53	13.57
45.0	1.825	2.693	3.683	4.806	6.073	7.497	9.089	10.86	12.82
50.0	-	2.354	3.301	4.375	5.587	6.948	8.470	10.16	12.04
55.0	-	-	2.914	3.934	5.086	6.380	7.828	9.442	11.23
60.0	-	-	-	3.485	4.572	5.794	7.164	8.692	10.39
65.0	-	-	-	-	4.046	5.191	6.478	7.915	9.516

MT036-4. Power consumption [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	1.524	1.713	1.894	2.061	2.208	2.327	2.414	2.461	2.462
35.0	1.580	1.779	1.973	2.156	2.322	2.465	2.577	2.652	2.685
40.0	1.631	1.842	2.051	2.253	2.441	2.607	2.747	2.854	2.921
45.0	1.676	1.902	2.128	2.351	2.562	2.756	2.925	3.065	3.168
50.0	-	1.957	2.204	2.449	2.686	2.908	3.110	3.285	3.426
55.0	-	-	2.276	2.546	2.811	3.065	3.301	3.513	3.695
60.0	-	-	-	2.643	2.938	3.225	3.497	3.749	3.973
65.0	-	-	-	-	3.065	3.387	3.698	3.991	4.261

MT036-4. Heating capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	4.265	5.404	6.676	8.088	9.644	11.35	13.21	15.23	17.41
35.0	4.015	5.141	6.397	7.789	9.322	11.00	12.83	14.81	16.96
40.0	3.761	4.871	6.109	7.478	8.985	10.63	12.43	14.38	16.49
45.0	3.502	4.594	5.811	7.156	8.635	10.25	12.01	13.92	15.99

MT036-4. R22

50.0	-	4.311	5.505	6.824	8.272	9.856	11.58	13.45	15.47
55.0	-	-	5.191	6.481	7.897	9.445	11.13	12.96	14.93
60.0	-	-	-	6.128	7.509	9.019	10.66	12.44	14.36
65.0	-	-	-	-	7.110	8.579	10.18	11.91	13.78

MT036-4. Current [A]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	3.353	3.542	3.741	3.937	4.117	4.270	4.383	4.443	4.437
35.0	3.413	3.615	3.831	4.051	4.260	4.448	4.601	4.706	4.753
40.0	3.467	3.685	3.924	4.171	4.414	4.640	4.838	4.994	5.096
45.0	3.513	3.752	4.017	4.296	4.577	4.846	5.093	5.304	5.466
50.0	-	3.815	4.111	4.426	4.749	5.066	5.366	5.636	5.863
55.0	-	-	4.205	4.561	4.930	5.299	5.657	5.990	6.286
60.0	-	-	-	4.699	5.119	5.544	5.964	6.364	6.734
65.0	-	-	-	-	5.315	5.801	6.287	6.759	7.206

MT036-4. COP [W/W]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	1.80	2.16	2.52	2.92	3.37	3.88	4.47	5.19	6.07
35.0	1.54	1.89	2.24	2.61	3.01	3.46	3.98	4.58	5.32
40.0	1.31	1.65	1.98	2.32	2.68	3.08	3.52	4.04	4.64
45.0	1.09	1.42	1.73	2.04	2.37	2.72	3.11	3.54	4.05
50.0	-	1.20	1.50	1.79	2.08	2.39	2.72	3.09	3.52
55.0	-	-	1.28	1.54	1.81	2.08	2.37	2.69	3.04
60.0	-	-	-	1.32	1.56	1.80	2.05	2.32	2.62
65.0	-	-	-	-	1.32	1.53	1.75	1.98	2.23

MT036-4. 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	59.70	79.29	101.4	126.1	153.7	184.3	218.1	255.2	295.8
35.0	55.19	75.11	97.48	122.5	150.2	181.0	214.9	252.1	292.8
40.0	50.34	70.54	93.12	118.3	146.2	177.0	211.0	248.3	289.0
45.0	45.12	65.54	88.28	113.6	141.5	172.4	206.4	243.7	284.4
50.0	-	60.07	82.92	108.2	136.2	167.1	201.0	238.2	278.9
55.0	-	-	76.97	102.3	130.2	161.0	194.8	231.9	272.4
60.0	-	-	-	95.60	123.4	154.0	187.7	224.6	264.9
65.0	-	-	-	-	115.7	146.1	179.5	216.1	256.3