

**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]**
**MT036-5. 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

**MT036-5. 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

**MT036-5. 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

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

**MT036-5. Current [A]**

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	10.35	10.93	11.54	12.15	12.71	13.18	13.52	13.71	13.69
35.0	10.53	11.16	11.82	12.50	13.15	13.73	14.20	14.52	14.67
40.0	10.70	11.37	12.11	12.87	13.62	14.32	14.93	15.41	15.73
45.0	10.84	11.58	12.40	13.26	14.12	14.96	15.72	16.37	16.87
50.0	-	11.77	12.69	13.66	14.66	15.64	16.56	17.39	18.09
55.0	-	-	12.98	14.07	15.21	16.35	17.46	18.48	19.40
60.0	-	-	-	14.50	15.80	17.11	18.40	19.64	20.78
65.0	-	-	-	-	16.40	17.90	19.40	20.86	22.24

**MT036-5. 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

**MT036-5. 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