

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]
MT032-5. Cooling capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	2.242	3.036	3.978	5.084	6.373	7.860	9.565	11.50	13.69
35.0	1.953	2.722	3.631	4.697	5.937	7.369	9.010	10.88	12.99
40.0	1.686	2.425	3.296	4.317	5.504	6.875	8.447	10.24	12.26
45.0	1.446	2.150	2.978	3.949	5.078	6.384	7.882	9.592	11.53
50.0	-	1.899	2.681	3.596	4.663	5.898	7.318	8.941	10.78
55.0	-	-	2.407	3.263	4.262	5.421	6.759	8.290	10.03
60.0	-	-	-	2.952	3.879	4.958	6.207	7.642	9.281
65.0	-	-	-	-	3.517	4.511	5.667	7.000	8.530

MT032-5. Power consumption [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	1.377	1.564	1.737	1.890	2.014	2.103	2.147	2.140	2.074
35.0	1.413	1.609	1.796	1.966	2.111	2.223	2.294	2.318	2.285
40.0	1.439	1.649	1.852	2.041	2.208	2.346	2.447	2.503	2.506
45.0	1.457	1.682	1.903	2.114	2.306	2.472	2.604	2.694	2.735
50.0	-	1.707	1.949	2.183	2.402	2.599	2.765	2.892	2.973
55.0	-	-	1.988	2.249	2.498	2.727	2.928	3.095	3.219
60.0	-	-	-	2.310	2.590	2.854	3.094	3.302	3.471
65.0	-	-	-	-	2.680	2.981	3.261	3.513	3.729

MT032-5. Heating capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	3.619	4.600	5.715	6.974	8.387	9.963	11.71	13.64	15.77
35.0	3.365	4.331	5.427	6.663	8.048	9.592	11.30	13.19	15.27
40.0	3.126	4.074	5.148	6.358	7.713	9.222	10.89	12.74	14.77
45.0	2.903	3.831	4.881	6.062	7.384	8.855	10.49	12.29	14.26

50.0	-	3.606	4.629	5.779	7.065	8.497	10.08	11.83	13.76
55.0	-	-	4.395	5.512	6.759	8.148	9.687	11.39	13.25
60.0	-	-	-	5.262	6.469	7.812	9.301	10.94	12.75
65.0	-	-	-	-	6.197	7.492	8.928	10.51	12.26

MT032-5. Current [A]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	8.061	8.593	9.134	9.643	10.08	10.40	10.56	10.52	10.24
35.0	8.177	8.739	9.327	9.899	10.41	10.83	11.10	11.20	11.06
40.0	8.261	8.865	9.511	10.16	10.76	11.29	11.69	11.92	11.95
45.0	8.310	8.968	9.685	10.42	11.13	11.77	12.31	12.70	12.89
50.0	-	9.045	9.845	10.68	11.50	12.28	12.97	13.52	13.90
55.0	-	-	9.989	10.93	11.89	12.81	13.65	14.38	14.96
60.0	-	-	-	11.18	12.28	13.35	14.37	15.29	16.07
65.0	-	-	-	-	12.67	13.91	15.12	16.24	17.23

MT032-5. COP [W/W]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	1.63	1.94	2.29	2.69	3.16	3.74	4.46	5.38	6.60
35.0	1.38	1.69	2.02	2.39	2.81	3.31	3.93	4.69	5.68
40.0	1.17	1.47	1.78	2.12	2.49	2.93	3.45	4.09	4.89
45.0	0.99	1.28	1.56	1.87	2.20	2.58	3.03	3.56	4.21
50.0	-	1.11	1.38	1.65	1.94	2.27	2.65	3.09	3.63
55.0	-	-	1.21	1.45	1.71	1.99	2.31	2.68	3.12
60.0	-	-	-	1.28	1.50	1.74	2.01	2.31	2.67
65.0	-	-	-	-	1.31	1.51	1.74	1.99	2.29

MT032-5. 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	48.82	65.22	84.32	106.4	131.7	160.6	193.2	229.9	270.9
35.0	44.25	60.80	79.99	102.1	127.4	156.3	188.8	225.4	266.4
40.0	39.85	56.46	75.65	97.72	123.0	151.6	184.1	220.5	261.3
45.0	35.74	52.31	71.40	93.31	118.3	146.8	179.0	215.2	255.7
50.0	-	48.47	67.33	88.97	113.7	141.8	173.7	209.5	249.7
55.0	-	-	63.58	84.81	109.1	136.8	168.2	203.6	243.4
60.0	-	-	-	80.97	104.7	131.8	162.6	197.4	236.7
65.0	-	-	-	-	100.6	126.9	157.0	191.2	229.7