

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]
MT144-4. Cooling capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	10.16	13.43	17.40	22.17	27.83	34.47	42.20	51.10	61.28
35.0	9.063	12.19	15.98	20.52	25.91	32.24	39.61	48.11	57.84
40.0	8.059	11.02	14.60	18.89	23.98	29.97	36.95	45.03	54.28
45.0	7.160	9.927	13.27	17.28	22.04	27.67	34.24	41.85	50.61
50.0	-	8.926	12.00	15.70	20.12	25.35	31.48	38.61	46.84
55.0	-	-	10.82	14.18	18.22	23.03	28.70	35.32	42.98
60.0	-	-	-	12.73	16.37	20.72	25.90	31.98	39.06
65.0	-	-	-	-	14.56	18.44	23.10	28.61	35.08

MT144-4. Power consumption [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	5.449	6.085	6.687	7.231	7.695	8.054	8.286	8.366	8.272
35.0	5.732	6.406	7.058	7.664	8.200	8.645	8.974	9.164	9.191
40.0	5.972	6.692	7.402	8.077	8.696	9.234	9.669	9.976	10.13
45.0	6.162	6.936	7.712	8.465	9.174	9.814	10.36	10.80	11.09
50.0	-	7.131	7.981	8.821	9.627	10.38	11.05	11.61	12.05
55.0	-	-	8.202	9.136	10.05	10.92	11.72	12.43	13.02
60.0	-	-	-	9.404	10.43	11.43	12.36	13.22	13.98
65.0	-	-	-	-	10.77	11.90	12.98	14.00	14.93

MT144-4. Heating capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	15.61	19.51	24.09	29.40	35.52	42.53	50.49	59.47	69.55
35.0	14.80	18.60	23.04	28.18	34.11	40.89	48.59	57.28	67.04
40.0	14.03	17.71	22.00	26.96	32.67	39.20	46.62	55.00	64.42
45.0	13.32	16.86	20.98	25.74	31.22	37.48	44.60	52.65	61.70

MT144-4. R22

50.0	-	16.06	19.98	24.52	29.75	35.73	42.53	50.23	58.89
55.0	-	-	19.02	23.32	28.27	33.95	40.41	47.74	56.00
60.0	-	-	-	22.13	26.80	32.15	38.26	45.20	53.04
65.0	-	-	-	-	25.33	30.34	36.08	42.61	50.00

MT144-4. Current [A]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	13.09	13.88	14.65	15.38	16.01	16.50	16.82	16.93	16.77
35.0	13.48	14.30	15.13	15.95	16.69	17.33	17.82	18.12	18.20
40.0	13.79	14.67	15.59	16.51	17.39	18.20	18.88	19.40	19.73
45.0	14.03	14.98	16.00	17.06	18.10	19.09	19.99	20.75	21.35
50.0	-	15.23	16.38	17.58	18.80	20.00	21.14	22.16	23.05
55.0	-	-	16.69	18.07	19.50	20.93	22.32	23.63	24.82
60.0	-	-	-	18.52	20.17	21.85	23.52	25.14	26.67
65.0	-	-	-	-	20.82	22.77	24.74	26.68	28.57

MT144-4. COP [W/W]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	1.86	2.21	2.60	3.06	3.62	4.28	5.09	6.11	7.41
35.0	1.58	1.90	2.26	2.68	3.16	3.73	4.41	5.25	6.29
40.0	1.35	1.65	1.97	2.34	2.76	3.25	3.82	4.51	5.36
45.0	1.16	1.43	1.72	2.04	2.40	2.82	3.30	3.88	4.56
50.0	-	1.25	1.50	1.78	2.09	2.44	2.85	3.33	3.89
55.0	-	-	1.32	1.55	1.81	2.11	2.45	2.84	3.30
60.0	-	-	-	1.35	1.57	1.81	2.09	2.42	2.79
65.0	-	-	-	-	1.35	1.55	1.78	2.04	2.35

MT144-4. 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	221.3	288.5	368.8	463.9	575.3	704.3	852.6	1021	1212
35.0	205.4	272.3	352.0	446.1	556.2	683.7	830.2	997.3	1186
40.0	190.5	256.6	335.0	427.5	535.6	661.0	805.2	969.9	1157
45.0	177.0	241.6	318.1	408.2	513.7	636.3	777.5	939.1	1123
50.0	-	227.8	301.5	388.5	490.6	609.6	747.2	904.9	1085
55.0	-	-	285.7	368.7	466.6	581.1	714.1	867.3	1043
60.0	-	-	-	349.1	441.7	550.9	678.4	826.1	995.9
65.0	-	-	-	-	416.4	519.0	640.0	781.2	944.7