

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]
MT100-4. Cooling capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	6.878	9.130	11.86	15.13	19.01	23.57	28.86	34.95	41.91
35.0	5.891	8.056	10.67	13.80	17.52	21.87	26.94	32.79	39.47
40.0	5.010	7.070	9.556	12.53	16.06	20.20	25.03	30.61	36.99
45.0	4.253	6.192	8.530	11.33	14.66	18.57	23.14	28.43	34.51
50.0	-	5.439	7.613	10.22	13.33	17.00	21.30	26.29	32.03
55.0	-	-	6.821	9.222	12.09	15.50	19.51	24.18	29.58
60.0	-	-	-	8.348	10.97	14.10	17.80	22.13	27.16
65.0	-	-	-	-	9.968	12.80	16.18	20.16	24.80

MT100-4. Power consumption [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	3.902	4.394	4.840	5.218	5.503	5.674	5.705	5.575	5.259
35.0	3.973	4.494	4.980	5.407	5.750	5.988	6.097	6.053	5.833
40.0	4.026	4.584	5.116	5.597	6.006	6.318	6.510	6.559	6.442
45.0	4.061	4.662	5.246	5.789	6.269	6.662	6.944	7.093	7.084
50.0	-	4.727	5.370	5.982	6.539	7.019	7.398	7.652	7.759
55.0	-	-	5.488	6.174	6.816	7.389	7.871	8.238	8.466
60.0	-	-	-	6.366	7.098	7.771	8.362	8.848	9.205
65.0	-	-	-	-	7.385	8.164	8.871	9.482	9.974

MT100-4. Heating capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	10.78	13.52	16.70	20.35	24.52	29.24	34.56	40.53	47.17
35.0	9.863	12.55	15.65	19.21	23.27	27.86	33.04	38.84	45.30
40.0	9.036	11.65	14.67	18.13	22.06	26.52	31.54	37.17	43.44
45.0	8.314	10.85	13.78	17.12	20.93	25.23	30.09	35.53	41.59

MT100-4. R22

50.0	-	10.17	12.98	16.20	19.87	24.02	28.69	33.94	39.79
55.0	-	-	12.31	15.40	18.91	22.89	27.38	32.42	38.04
60.0	-	-	-	14.71	18.07	21.87	26.16	30.98	36.37
65.0	-	-	-	-	17.35	20.97	25.05	29.64	34.78

MT100-4. Current [A]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	9.909	10.35	10.79	11.19	11.51	11.71	11.74	11.58	11.18
35.0	9.986	10.45	10.93	11.39	11.78	12.06	12.19	12.14	11.86
40.0	10.04	10.54	11.08	11.60	12.07	12.44	12.69	12.76	12.62
45.0	10.06	10.62	11.22	11.82	12.38	12.86	13.22	13.43	13.44
50.0	-	10.68	11.36	12.05	12.71	13.31	13.81	14.16	14.33
55.0	-	-	11.50	12.29	13.07	13.80	14.44	14.95	15.29
60.0	-	-	-	12.53	13.44	14.31	15.11	15.79	16.31
65.0	-	-	-	-	13.83	14.86	15.82	16.68	17.40

MT100-4. COP [W/W]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	1.76	2.08	2.45	2.90	3.46	4.15	5.06	6.27	7.97
35.0	1.48	1.79	2.14	2.55	3.05	3.65	4.42	5.42	6.77
40.0	1.24	1.54	1.87	2.24	2.67	3.20	3.85	4.67	5.74
45.0	1.05	1.33	1.63	1.96	2.34	2.79	3.33	4.01	4.87
50.0	-	1.15	1.42	1.71	2.04	2.42	2.88	3.44	4.13
55.0	-	-	1.24	1.49	1.77	2.10	2.48	2.94	3.49
60.0	-	-	-	1.31	1.54	1.81	2.13	2.50	2.95
65.0	-	-	-	-	1.35	1.57	1.82	2.13	2.49

MT100-4. 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	149.8	196.1	251.4	316.7	393.1	481.5	583.0	698.6	829.2
35.0	133.5	179.9	235.1	300.1	376.0	463.9	564.7	679.6	809.5
40.0	118.4	164.6	219.3	283.6	358.7	445.6	545.4	659.3	788.2
45.0	105.1	150.7	204.5	267.7	341.6	427.1	525.6	638.0	765.5
50.0	-	138.8	191.2	252.9	325.0	408.8	505.4	616.0	741.8
55.0	-	-	180.1	239.7	309.6	391.2	485.5	593.8	717.3
60.0	-	-	-	229.0	296.1	374.7	466.2	571.7	692.6
65.0	-	-	-	-	285.1	360.2	448.2	550.4	668.0