

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]
MT028-4. Cooling capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	2.029	2.783	3.657	4.662	5.808	7.108	8.572	10.21	12.04
35.0	1.807	2.541	3.390	4.364	5.474	6.731	8.147	9.732	11.50
40.0	1.583	2.294	3.114	4.053	5.123	6.334	7.698	9.225	10.93
45.0	1.358	2.042	2.829	3.730	4.755	5.917	7.225	8.691	10.33
50.0	-	1.785	2.536	3.394	4.372	5.480	6.728	8.129	9.692
55.0	-	-	2.235	3.048	3.973	5.023	6.208	7.540	9.028
60.0	-	-	-	2.690	3.560	4.548	5.666	6.924	8.333
65.0	-	-	-	-	3.132	4.055	5.102	6.282	7.607

MT028-4. Power consumption [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	1.183	1.349	1.497	1.620	1.710	1.758	1.757	1.697	1.572
35.0	1.206	1.383	1.547	1.689	1.801	1.875	1.902	1.876	1.787
40.0	1.218	1.409	1.590	1.753	1.890	1.992	2.052	2.061	2.011
45.0	1.218	1.425	1.626	1.813	1.976	2.109	2.203	2.250	2.242
50.0	-	1.430	1.654	1.866	2.060	2.226	2.357	2.444	2.479
55.0	-	-	1.672	1.913	2.139	2.340	2.510	2.640	2.722
60.0	-	-	-	1.952	2.212	2.452	2.664	2.839	2.970
65.0	-	-	-	-	2.279	2.559	2.815	3.038	3.220

MT028-4. Heating capacity [kW]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	3.212	4.132	5.154	6.282	7.518	8.866	10.33	11.91	13.61
35.0	3.013	3.925	4.937	6.052	7.274	8.606	10.05	11.61	13.29
40.0	2.801	3.703	4.704	5.806	7.012	8.326	9.749	11.29	12.94
45.0	2.576	3.467	4.455	5.542	6.732	8.026	9.428	10.94	12.57

MT028-4. R22

50.0	-	3.216	4.190	5.261	6.432	7.705	9.085	10.57	12.17
55.0	-	-	3.907	4.961	6.112	7.364	8.719	10.18	11.75
60.0	-	-	-	4.642	5.772	7.000	8.330	9.763	11.30
65.0	-	-	-	-	5.411	6.615	7.917	9.320	10.83

MT028-4. Current [A]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	2.957	3.103	3.248	3.379	3.480	3.537	3.536	3.462	3.299
35.0	2.985	3.139	3.299	3.450	3.577	3.667	3.703	3.673	3.561
40.0	2.999	3.167	3.345	3.521	3.680	3.806	3.885	3.904	3.846
45.0	2.999	3.184	3.386	3.591	3.785	3.953	4.080	4.151	4.153
50.0	-	3.188	3.419	3.658	3.892	4.106	4.285	4.415	4.481
55.0	-	-	3.442	3.721	4.000	4.264	4.500	4.692	4.827
60.0	-	-	-	3.777	4.105	4.425	4.722	4.982	5.190
65.0	-	-	-	-	4.207	4.587	4.950	5.282	5.568

MT028-4. COP [W/W]

Tc/Te	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0
30.0	1.72	2.06	2.44	2.88	3.40	4.04	4.88	6.02	7.66
35.0	1.50	1.84	2.19	2.58	3.04	3.59	4.28	5.19	6.43
40.0	1.30	1.63	1.96	2.31	2.71	3.18	3.75	4.48	5.44
45.0	1.11	1.43	1.74	2.06	2.41	2.81	3.28	3.86	4.61
50.0	-	1.25	1.53	1.82	2.12	2.46	2.85	3.33	3.91
55.0	-	-	1.34	1.59	1.86	2.15	2.47	2.85	3.32
60.0	-	-	-	1.38	1.61	1.85	2.13	2.44	2.81
65.0	-	-	-	-	1.37	1.58	1.81	2.07	2.36

MT028-4. 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	44.18	59.78	77.52	97.56	120.1	145.2	173.2	204.1	238.2
35.0	40.94	56.77	74.69	94.88	117.5	142.7	170.7	201.7	235.8
40.0	37.41	53.42	71.47	91.75	114.4	139.7	167.7	198.7	232.8
45.0	33.57	49.70	67.82	88.14	110.8	136.1	164.1	195.0	229.0
50.0	-	45.56	63.70	83.98	106.6	131.8	159.7	190.5	224.5
55.0	-	-	59.03	79.22	101.7	126.8	154.5	185.2	219.0
60.0	-	-	-	73.77	96.09	120.9	148.4	178.9	212.5
65.0	-	-	-	-	89.59	114.1	141.4	171.5	204.9