

**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]**
**MT022-5. Cooling capacity [kW]**

| Tc/Te | -25.0 | -20.0 | -15.0 | -10.0 | -5.0  | 0     | 5.0   | 10.0  | 15.0  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 30.0  | 1.241 | 1.817 | 2.502 | 3.309 | 4.251 | 5.340 | 6.590 | 8.013 | 9.622 |
| 35.0  | 1.050 | 1.607 | 2.267 | 3.043 | 3.947 | 4.993 | 6.194 | 7.561 | 9.109 |
| 40.0  | 0.865 | 1.399 | 2.030 | 2.770 | 3.634 | 4.632 | 5.780 | 7.089 | 8.571 |
| 45.0  | 0.686 | 1.193 | 1.791 | 2.493 | 3.311 | 4.259 | 5.350 | 6.596 | 8.009 |
| 50.0  | -     | 0.991 | 1.552 | 2.211 | 2.981 | 3.875 | 4.905 | 6.083 | 7.424 |
| 55.0  | -     | -     | 1.314 | 1.927 | 2.645 | 3.480 | 4.445 | 5.554 | 6.818 |
| 60.0  | -     | -     | -     | 1.642 | 2.304 | 3.077 | 3.974 | 5.008 | 6.191 |
| 65.0  | -     | -     | -     | -     | 1.959 | 2.666 | 3.491 | 4.446 | 5.544 |

**MT022-5. Power consumption [kW]**

| Tc/Te | -25.0 | -20.0 | -15.0 | -10.0 | -5.0  | 0     | 5.0   | 10.0  | 15.0  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 30.0  | 0.707 | 0.860 | 1.004 | 1.132 | 1.238 | 1.317 | 1.361 | 1.365 | 1.323 |
| 35.0  | 0.739 | 0.899 | 1.051 | 1.190 | 1.309 | 1.403 | 1.464 | 1.488 | 1.467 |
| 40.0  | 0.760 | 0.928 | 1.090 | 1.242 | 1.376 | 1.486 | 1.566 | 1.610 | 1.612 |
| 45.0  | 0.769 | 0.947 | 1.121 | 1.286 | 1.436 | 1.564 | 1.664 | 1.731 | 1.757 |
| 50.0  | -     | 0.954 | 1.141 | 1.322 | 1.489 | 1.636 | 1.758 | 1.848 | 1.900 |
| 55.0  | -     | -     | 1.150 | 1.347 | 1.533 | 1.701 | 1.846 | 1.961 | 2.041 |
| 60.0  | -     | -     | -     | 1.360 | 1.566 | 1.757 | 1.927 | 2.068 | 2.176 |
| 65.0  | -     | -     | -     | -     | 1.589 | 1.803 | 1.998 | 2.168 | 2.306 |

**MT022-5. Heating capacity [kW]**

| Tc/Te | -25.0 | -20.0 | -15.0 | -10.0 | -5.0  | 0     | 5.0   | 10.0  | 15.0  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 30.0  | 1.948 | 2.677 | 3.506 | 4.441 | 5.489 | 6.657 | 7.951 | 9.378 | 10.95 |
| 35.0  | 1.789 | 2.506 | 3.318 | 4.233 | 5.256 | 6.396 | 7.658 | 9.049 | 10.58 |
| 40.0  | 1.625 | 2.327 | 3.120 | 4.012 | 5.009 | 6.118 | 7.346 | 8.699 | 10.18 |
| 45.0  | 1.456 | 2.140 | 2.912 | 3.779 | 4.747 | 5.823 | 7.014 | 8.326 | 9.767 |

**MT022-5. R22**

|      |   |       |       |       |       |       |       |       |       |
|------|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 50.0 | - | 1.944 | 2.693 | 3.533 | 4.470 | 5.511 | 6.663 | 7.932 | 9.325 |
| 55.0 | - | -     | 2.464 | 3.274 | 4.177 | 5.181 | 6.291 | 7.515 | 8.858 |
| 60.0 | - | -     | -     | 3.002 | 3.870 | 4.834 | 5.900 | 7.076 | 8.367 |
| 65.0 | - | -     | -     | -     | 3.547 | 4.469 | 5.489 | 6.614 | 7.850 |

**MT022-5. Current [A]**

|       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Tc/Te | -25.0 | -20.0 | -15.0 | -10.0 | -5.0  | 0     | 5.0   | 10.0  | 15.0  |
| 30.0  | 5.123 | 5.400 | 5.704 | 6.007 | 6.278 | 6.490 | 6.612 | 6.615 | 6.469 |
| 35.0  | 5.191 | 5.481 | 5.808 | 6.144 | 6.460 | 6.725 | 6.911 | 6.988 | 6.927 |
| 40.0  | 5.238 | 5.545 | 5.901 | 6.276 | 6.640 | 6.964 | 7.219 | 7.375 | 7.403 |
| 45.0  | 5.257 | 5.588 | 5.977 | 6.395 | 6.813 | 7.201 | 7.530 | 7.771 | 7.893 |
| 50.0  | -     | 5.603 | 6.031 | 6.498 | 6.974 | 7.432 | 7.840 | 8.170 | 8.392 |
| 55.0  | -     | -     | 6.057 | 6.578 | 7.119 | 7.650 | 8.143 | 8.568 | 8.895 |
| 60.0  | -     | -     | -     | 6.632 | 7.242 | 7.852 | 8.435 | 8.959 | 9.396 |
| 65.0  | -     | -     | -     | -     | 7.337 | 8.032 | 8.709 | 9.338 | 9.890 |

**MT022-5. COP [W/W]**

|       |       |       |       |       |      |      |      |      |      |
|-------|-------|-------|-------|-------|------|------|------|------|------|
| Tc/Te | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0    | 5.0  | 10.0 | 15.0 |
| 30.0  | 1.75  | 2.11  | 2.49  | 2.92  | 3.43 | 4.06 | 4.84 | 5.87 | 7.27 |
| 35.0  | 1.42  | 1.79  | 2.16  | 2.56  | 3.02 | 3.56 | 4.23 | 5.08 | 6.21 |
| 40.0  | 1.14  | 1.51  | 1.86  | 2.23  | 2.64 | 3.12 | 3.69 | 4.40 | 5.32 |
| 45.0  | 0.89  | 1.26  | 1.60  | 1.94  | 2.31 | 2.72 | 3.21 | 3.81 | 4.56 |
| 50.0  | -     | 1.04  | 1.36  | 1.67  | 2.00 | 2.37 | 2.79 | 3.29 | 3.91 |
| 55.0  | -     | -     | 1.14  | 1.43  | 1.73 | 2.05 | 2.41 | 2.83 | 3.34 |
| 60.0  | -     | -     | -     | 1.21  | 1.47 | 1.75 | 2.06 | 2.42 | 2.85 |
| 65.0  | -     | -     | -     | -     | 1.23 | 1.48 | 1.75 | 2.05 | 2.40 |

**MT022-5. 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  | 27.02 | 39.03 | 53.05 | 69.26 | 87.88 | 109.1 | 133.1 | 160.2 | 190.4 |
| 35.0  | 23.80 | 35.90 | 49.95 | 66.16 | 84.73 | 105.9 | 129.8 | 156.7 | 186.8 |
| 40.0  | 20.45 | 32.57 | 46.58 | 62.71 | 81.17 | 102.2 | 125.9 | 152.7 | 182.6 |
| 45.0  | 16.96 | 29.03 | 42.93 | 58.90 | 77.16 | 97.95 | 121.5 | 148.0 | 177.7 |
| 50.0  | -     | 25.28 | 38.98 | 54.70 | 72.69 | 93.18 | 116.4 | 142.6 | 171.9 |
| 55.0  | -     | -     | 34.71 | 50.10 | 67.71 | 87.81 | 110.6 | 136.4 | 165.4 |
| 60.0  | -     | -     | -     | 45.04 | 62.18 | 81.78 | 104.1 | 129.4 | 157.9 |
| 65.0  | -     | -     | -     | -     | 56.03 | 75.02 | 96.73 | 121.4 | 149.3 |