| Subtype AquaMaster Inverter AQ60I-1 | |
|---|---|
| Certificate Holder | Master Therm tepelna cerpadla s.r.o. |
| Address | Vaclavske namesti 819/43 |
| ZIP | 110 00 |
| City | Praha |
| Country | CZ |
| Certification Body | SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise) |
| Subtype title | AquaMaster Inverter AQ60I-1 |
| Registration number | 037-0131-23 |
| Heat Pump Type | Brine/Water |
| Refrigerant | R410A |
| Mass of Refrigerant | 2.7 kg |
| Certification Date | 30.08.2023 |
| Testing basis | HP Keymark scheme rules rev. no. 10 |
| Testing laboratory | SZU Brno, CZ |

## Model AquaMaster Inverter AQ60I-1

| | |
|---|---|
| Model name | AquaMaster Inverter AQ60I-1 |
| Application | Heating (medium temp) |
| Units | Indoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

## General data

| | |
|---|---|
| Power supply | 3x400V 50Hz |
| Off-peak product | Yes |

## Brine/Water

## EN 14511-4 | Heating

| | |
|---|---|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Starting and operating test | passed |

## EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|---|---|---|
| Heat output | 20.56 kW | 18.90 kW |
| El input | 4.36 kW | 6.30 kW |
| COP | 4.71 | 3.00 |

## EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 55 dB(A) | 55 dB(A) |

## EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 195 % | 151 % |
| Prated | 32.71 kW | 32.90 kW |
| SCOP | 5.06 | 3.99 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 29.51 kW | 29.91 kW |
| COP Tj = -7°C | 3.77 | 2.90 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 18.63 kW | 17.01 kW |
| COP Tj = +2°C | 5.10 | 4.01 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 12.14 kW | 11.21 kW |
| COP Tj = +7°C | 5.79 | 4.64 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |

| | | |
|---|---|---|
| Pdh Tj = 12°C | 6.97 kW | 6.80 kW |
| COP Tj = 12°C | 5.96 | 4.77 |
| Cdh Tj = +12 °C | 0.978 | 0.982 |
| Pdh Tj = Tbiv | 32.71 kW | 32.90 kW |
| COP Tj = Tbiv | 3.70 | 2.73 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 32.71 kW | 32.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.70 | 2.73 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 60 °C | 60 °C |
| Poff | 0 W | 0 W |
| PTO | 26 W | 26 W |
| PSB | 26 W | 26 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | kW | kW |
| Annual energy consumption Qhe | 13348 kWh | 17049 kWh |