

Subtype AquaMaster Inverter AQ22I

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|---------------------|-----------------------------------------------------------------------------------|
| 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 AQ22I |
| Registration number | 037-0062-21 |
| Heat Pump Type | Brine/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 1 kg |
| Certification Date | 26.01.2021 |
| Testing basis | HP Keymark scheme rules rev. no. 7 |

Model AquaMaster Inverter AQ22I

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|-------------------------------------|---------------------------|
| Model name | AquaMaster Inverter AQ22I |
| 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 | 1x230V 50Hz |
| Off-peak product | Yes |

Brine/Water

EN 14511-4 | Heating

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

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 45 dB(A) | 45 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 208 % | 152 % |
| Prated | 7.08 kW | 5.91 kW |
| SCOP | 5.39 | 4.01 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.39 kW | 5.27 kW |
| COP Tj = -7°C | 4.12 | 2.96 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 3.54 kW | 3.37 kW |
| COP Tj = +2°C | 5.51 | 4.02 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 2.45 kW | 2.12 kW |
| COP Tj = +7°C | 6.28 | 4.87 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 1.16 kW | 1.07 kW |
| COP Tj = 12°C | 6.37 | 5.02 |
| Cdh Tj = +12 °C | 0.90 | 0.94 |
| Pdh Tj = Tbiv | 7.08 kW | 5.91 kW |
| COP Tj = Tbiv | 4.00 | 2.67 |

| | | |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.08 kW | 5.91 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.00 | 2.67 |
| WTOL | 60 °C | 60 °C |
| Poff | 12 W | 12 W |
| PTO | 12 W | 12 W |
| PSB | 12 W | 12 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 2713 kWh | 3051 kWh |