

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

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 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
η_s	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