Subtype AquaMaster Inverter AQ17I

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 AQ17I
Registration number	037-0061-21
Heat Pump Type	Brine/Water
Refrigerant	R32
Mass of Refrigerant	0.8 kg
Certification Date	26.01.2021
Testing basis	HP Keymark scheme rules rev. no. 7
Testing laboratory	SZU Brno, CZ

Model AquaMaster Inverter AQ17I

Model name	AquaMaster Inverter AQ17I
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 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	2.95 kW	2.65 kW
El input	0.66 kW	0.96 kW
COP	4.49	2.76

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
ηs	205 %	148 %
Prated	4.72 kW	3.96 kW
SCOP	5.32	3.89
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.17 kW	3.51 kW
COP Tj = -7°C	4.57	3.16
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	2.49 kW	2.27 kW
COP Tj = +2°C	5.48	3.90
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	1.64 kW	1.36 kW
COP Tj = +7°C	5.99	4.61

Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.12 kW	1.03 kW
COP Tj = 12°C	5.99	4.74
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	4.72 kW	3.96 kW
COP Tj = Tbiv	4.22	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.72 kW	3.96 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.22	2.84
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	1833 kWh	2104 kWh