Login

Summary of	AquaMaster Inverter AQ17I	Reg. No.	037-0061-21
Certificate Holder			
Name	Master Therm tepelna cerpadla s.r.o.		
Address	Vaclavske namesti 819/43	Zip	110 00
City	Praha	Country	Czech Republic
Certification Body	SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise)		
Subtype title	AquaMaster Inverter AQ17I		
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		

Disclaimer: this document is a summary of the certified performance.
The authoritative source of this information is the heat pump certificate as executed by the certification body and the related technical data.

Model: AquaMaster Inverter AQ17I

Configure model	
Model name	AquaMaster Inverter AQ17I
Application	Heating (medium temp)
Units	Indoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	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 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate

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EN 12102-1

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

EN 14825

	Low temperature	Medium temperature
η_s	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

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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

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