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Login

Summary of	AquaMaster Inverter AQ22I	Reg. No.	037-0062-21
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 AQ22I		
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

Configure model	
Model name	AquaMaster Inverter AQ22I
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	4.18 kW	3.81 kW
El input	0.90 kW	1.32 kW
COP	4.66	2.89

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

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	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