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Login

Summary of	BoxAir Inverter BA60I-1	Reg. No.	037-0067-21
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	BoxAir Inverter BA60I-1		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	6.9 kg		
Certification Date	26.01.2021		
Testing basis	HP Keymark scheme rules rev. no. 7		

Model: BoxAir Inverter BA60I-1

Configure model	
Model name	BoxAir Inverter BA60I-1
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	19.83 kW	22.96 kW
El input	4.24 kW	7.40 kW
COP	4.68	3.10

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 outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	177 %	135 %
Prated	22.57 kW	22.06 kW
SCOP	4.50	3.45
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	20.64 kW	20.77 kW
COP Tj = -7°C	2.64	2.04
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	12.68 kW	12.27 kW
COP Tj = +2°C	4.21	3.22
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	8.04 kW	7.81 kW
COP Tj = +7°C	6.61	5.06
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	9.26 kW	9.01 kW

COP Tj = 12°C	8.02	6.13
Cdh Tj = +12 °C	0.98	0.98
Pdh Tj = Tbiv	22.57 kW	22.06 kW
COP Tj = Tbiv	2.35	1.55
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	22.57 kW	22.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.55
WTOL	60 °C	60 °C
Poff	27 W	27 W
PTO	26 W	26 W
PSB	27 W	27 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	10350 kWh	13226 kWh