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Login

Summary of	BoxAir Inverter BA37I	Reg. No.	037-0065-21
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 BA37I		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	2.7 kg		
Certification Date	26.01.2021		
Testing basis	HP Keymark scheme rules rev. no. 7		

Model: BoxAir Inverter BA37I

Configure model	
Model name	BoxAir Inverter BA37I
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	11.46 kW	10.34 kW
El input	2.38 kW	3.32 kW
COP	4.80	3.12

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	58 dB(A)	58 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	195 %	153 %
Prated	11.25 kW	10.10 kW
SCOP	4.95	3.89
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.96 kW	8.93 kW
COP Tj = -7°C	2.91	2.22
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	5.84 kW	5.62 kW
COP Tj = +2°C	4.84	3.83
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	3.76 kW	3.56 kW
COP Tj = +7°C	6.79	5.38
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	3.14 kW	2.99 kW

COP Tj = 12°C	8.32	6.52
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	9.96 kW	8.93 kW
COP Tj = Tbiv	2.91	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.56 kW	8.68 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.66	2.01
WTOL	60 °C	60 °C
Poff	19 W	19 W
PTO	19 W	19 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.69 kW	1.41 kW
Annual energy consumption Qhe	4697 kWh	5356 kWh