

Subtype BoxAir Inverter BA26I

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	BoxAir Inverter BA26I
Registration number	037-0064-21
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.7 kg
Certification Date	26.01.2021
Testing basis	HP Keymark scheme rules rev. no. 7
Testing laboratory	SZU Brno, CZ

Model BoxAir Inverter BA26I

Model name	BoxAir Inverter BA26I
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/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	5.47 kW	5.04 kW
El input	1.12 kW	1.59 kW
COP	4.90	3.17

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	183 %	135 %
Prated	6.47 kW	6.03 kW
SCOP	4.66	3.45
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.72 kW	5.34 kW
COP Tj = -7°C	2.77	2.03
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	3.54 kW	3.33 kW
COP Tj = +2°C	4.41	3.32
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	2.22 kW	1.98 kW

COP Tj = +7°C	6.70	4.86
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	2.58 kW	2.40 kW
COP Tj = 12°C	8.24	6.11
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	5.72 kW	5.34 kW
COP Tj = Tbiv	2.79	2.03
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.09 kW	5.36 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.76
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	0.38 kW	0.67 kW
Annual energy consumption Qhe	2868 kWh	3607 kWh