Subtype BoxAir Inverter BA26IS-1

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 BA26IS-1
Registration number	037-0069-21
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	2.3 kg
Certification Date	26.01.2021
Testing basis	HP Keymark scheme rules rev. no. 7
Testing laboratory	SZU Brno, CZ

Model BoxAir Inverter BA26IS-1	
Model name	BoxAir Inverter BA26IS-1
Application	Heating (medium temp)
Units	Indoor, 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	8.10 kW	7.28 kW
El input	1.75 kW	2.46 kW
COP	4.63	2.96

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	48 dB(A)	48 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	168 %	126 %
Prated	6.51 kW	6.33 kW
SCOP	4.29	3.24
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.76 kW	5.60 kW
COP Tj = -7°C	2.59	1.94
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	3.72 kW	3.50 kW
COP Tj = +2°C	3.92	3.02
Cdh Tj = +2 °C	0.90	0.90

Pdh Tj = +7°C	2.42 kW	2.33 kW
COP Tj = +7°C	6.53	4.69
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	2.74 kW	2.78 kW
COP Tj = 12°C	7.82	5.93
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	5.76 kW	5.60 kW
COP Tj = Tbiv	2.59	1.94
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.88 kW	5.66 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.82
WTOL	60 °C	60 °C
Poff	18 W	18 W
PTO	17 W	17 W
PSB	18 W	18 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.64 kW	0.67 kW
Annual energy consumption Qhe	3139 kWh	4039 kWh