

## Subtype Intelligent Inverter Heat Pump 12 R32

Certificate Holder	FoxAIR Sp z.o.o.
Address	ul. Konarskiego 18C
ZIP	44-100
City	Gliwice
Country	PL
Certification Body	BRE Global Limited
Subtype title	Intelligent Inverter Heat Pump 12 R32
Registration number	041-K041-02
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.8 kg
Certification Date	12.01.2023
Testing basis	Heat Pump Keymark Scheme Rules Rev 11

## Model BL-12-3

Model name	BL-12-3
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	3x400V 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 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	60 dB(A)	62 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	181 %	130 %
Prated	8.73 kW	9.51 kW
SCOP	4.61	3.32
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.72 kW	8.41 kW
COP Tj = -7°C	3.39	2.32
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.76 kW	5.13 kW
COP Tj = +2°C	4.38	3.20
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.20 kW	4.16 kW
COP Tj = +7°C	5.71	4.04
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	5.06 kW	4.26 kW
COP Tj = 12°C	7.11	5.53
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	7.72 kW	8.41 kW
COP Tj = Tbiv	3.39	2.32

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.90 kW	7.72 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.86	1.99
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	12 W	12 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	59 W	59 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.83 kW	1.79 kW
Annual energy consumption Qhe	3912 kWh	5918 kWh