

Subtype DC Inverter Air To Water Heat Pump 12

Certificate Holder	Foshan Ecoview Energy Saving Facility Ltd
Address	5/F of Central Building
ZIP	
City	Daliang Shunde Dist., Foshan City
Country	CN
Certification Body	BRE Global Limited
Subtype title	DC Inverter Air To Water Heat Pump 12
Registration number	041-K040-03
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	2.1 kg
Certification Date	29.11.2022
Testing basis	Heat Pump Keymark Scheme Rules Rev 11

Model EV-DCM12

Model name	EV-DCM12
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 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	66 dB(A)	69 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	183 %	134 %
Prated	9.33 kW	8.88 kW
SCOP	4.66	3.42
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.25 kW	7.85 kW
COP Tj = -7°C	2.64	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.43 kW	4.82 kW
COP Tj = +2°C	4.59	3.24
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.68 kW	5.30 kW
COP Tj = +7°C	6.25	4.75
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	6.61 kW	6.34 kW
COP Tj = 12°C	8.69	7.12
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	8.25 kW	7.85 kW
COP Tj = Tbiv	2.64	2.02

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.49 kW	7.07 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	61 °C	61 °C
Poff	7 W	7 W
PTO	7 W	7 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.84 kW	1.80 kW
Annual energy consumption Qhe	4133 kWh	5362 kWh