

Subtype DC Inverter Air To Water Heat Pump 15

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 15
Registration number	041-K040-04
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	2.3 kg
Certification Date	29.11.2022
Testing basis	Heat Pump Keymark Scheme Rules Rev 11

Model EV-DCM15

Model name	EV-DCM15
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	69 dB(A)	69 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	181 %	132 %
Prated	11.65 kW	10.88 kW
SCOP	4.60	3.37
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.30 kW	9.63 kW
COP Tj = -7°C	2.76	1.98
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.21 kW	5.90 kW
COP Tj = +2°C	4.37	3.17
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	7.82 kW	7.23 kW
COP Tj = +7°C	6.42	4.77
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	9.10 kW	8.77 kW
COP Tj = 12°C	8.93	7.12
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	10.30 kW	9.63 kW
COP Tj = Tbiv	2.76	1.98

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.32 kW	9.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	1.71
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	61 °C	61 °C
Poff	9 W	9 W
PTO	9 W	9 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.33 kW	1.42 kW
Annual energy consumption Qhe	5230 kWh	6665 kWh