

## Subtype DC Inverter Air To Water Heat Pump 6

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 6
Registration number	041-K040-01
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	0.9 kg
Certification Date	29.11.2022
Testing basis	Heat Pump Keymark Scheme Rules Rev 11

## Model EV-DCM6

Model name	EV-DCM6
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	64 dB(A)	64 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	184 %	137 %
Prated	4.89 kW	4.64 kW
SCOP	4.67	3.51
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.33 kW	4.10 kW
COP Tj = -7°C	2.79	2.03
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	2.71 kW	2.40 kW
COP Tj = +2°C	4.55	3.49
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.18 kW	2.91 kW
COP Tj = +7°C	6.23	4.99
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	3.62 kW	3.53 kW
COP Tj = 12°C	8.52	7.59
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	4.33 kW	4.10 kW
COP Tj = Tbiv	2.79	2.03

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.32 kW	4.14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.74
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	49 °C	49 °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	0.58 kW	0.49 kW
Annual energy consumption Qhe	2164 kWh	2730 kWh