

Subtype DC Inverter Air To Water Heat Pump 9

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 9
Registration number	041-K040-02
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.2 kg
Certification Date	29.11.2022
Testing basis	Heat Pump Keymark Scheme Rules Rev 11

Model EV-DCM9

Model name	EV-DCM9
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 14825 | Average Climate

	Low temperature	Medium temperature
η_s	182 %	136 %
Prated	7.27 kW	5.70 kW
SCOP	4.63	3.48
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.43 kW	5.04 kW
COP Tj = -7°C	2.80	1.92
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.98 kW	3.07 kW
COP Tj = +2°C	4.43	3.37
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.94 kW	3.78 kW
COP Tj = +7°C	6.33	4.84
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	4.68 kW	4.52 kW
COP Tj = 12°C	8.98	7.23
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	6.43 kW	5.04 kW
COP Tj = Tbiv	2.80	1.92
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.75 kW	5.62 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	57 °C	57 °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	1.53 kW	0.08 kW
Annual energy consumption Qhe	3244 kWh	3378 kWh