

Subtype DC Inverter Air To Water Heat Pump 18

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 18
Registration number	041-K040-05
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-DCM18

Model name	EV-DCM18
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	72 dB(A)	68 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	181 %	133 %
Prated	15.02 kW	13.92 kW
SCOP	4.60	3.39
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	13.29 kW	12.31 kW
COP Tj = -7°C	2.89	1.95
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	8.87 kW	7.81 kW
COP Tj = +2°C	4.36	3.17
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	9.89 kW	9.64 kW
COP Tj = +7°C	6.16	4.96
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	11.69 kW	11.50 kW
COP Tj = 12°C	8.62	7.25
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	13.29 kW	12.31 kW
COP Tj = Tbiv	2.89	1.95

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.11 kW	12.21 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.70	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	56 °C	56 °C
Poff	14 W	14 W
PTO	14 W	14 W
PSB	14 W	14 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.92 kW	1.70 kW
Annual energy consumption Qhe	6741 kWh	8473 kWh