Subtype Air Source Heat Pump R32- 08	
Certificate Holder	Jiangsu Micoe Solar Energy Co., Ltd
Address	No.199, Yingzhou Road,
ZIP	222000
City	LianyungangCity, Jiangsu Province
Country	CN
Certification Body	BRE Global Limited
Subtype title	Air Source Heat Pump R32- 08
Registration number	041-K061-01
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.25 kg
Certification Date	08.08.2023
Testing basis	Heat Pump KEYMARK certification Scheme rules v12

Model MMHP-008C1	
Model name	MMHP-008C1
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	63 dB(A)	63 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	180 %	126 %
Prated	5.22 kW	5.03 kW
SCOP	4.58	3.23
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.62 kW	4.45 kW
COP Tj = -7°C	3.03	2.14
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	2.92 kW	2.80 kW
COP Tj = +2°C	4.51	3.22
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.04 kW	1.75 kW
COP Tj = +7°C	6.03	3.90
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.06 kW	2.19 kW
COP Tj = 12°C	7.58	6.08
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	4.62 kW	4.45 kW
COP Tj = Tbiv	3.03	2.14

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.18 kW	4.08 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.75	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	50 °C	50 °C
Poff	8 W	8 W
PTO	16 W	16 W
PSB	8 W	8 W
PCK	63 W	63 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.05 kW	0.94 kW
Annual energy consumption Qhe	2357 kWh	3212 kWh

Model MMHP-008B1	
Model name	MMHP-008B1
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	63 dB(A)	63 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
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Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.04 kW	1.75 kW
COP Tj = +7°C	6.03	3.90
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.06 kW	2.19 kW
COP Tj = 12°C	7.58	6.08
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	4.62 kW	4.45 kW
COP Tj = Tbiv	3.03	2.14

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