

## Subtype M3OB-27HFN8-Q/MZAU-28HWFN8-QD2W

Certificate Holder	GD Midea Air-Conditioning Equipment Co., Ltd.
Address	Lingang Road,
ZIP	
City	Guangdong
Country	CN
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	M3OB-27HFN8-Q/MZAU-28HWFN8-QD2W
Registration number	011-1W0573
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.8 kg
Certification Date	18.01.2023
Testing basis	HP KEYMARK certification scheme rules rev. 10

## Model M3OB-27HFN8-Q/MZAU-28HWFN8-QD2W

Model name	M3OB-27HFN8-Q/MZAU-28HWFN8-QD2W
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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
Starting and operating test	passed

#### EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	6.45 kW	6.47 kW
El input	1.55 kW	2.53 kW
COP	4.16	2.56

#### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

#### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	172 %	116 %
Prated	6.34 kW	6.03 kW
SCOP	4.37	2.97
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.61 kW	5.33 kW
COP Tj = -7°C	2.90	1.91
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.55 kW	3.39 kW
COP Tj = +2°C	4.13	2.96
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.13 kW	2.23 kW
COP Tj = +7°C	6.11	3.70

Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.59 kW	2.20 kW
COP Tj = 12°C	8.01	5.61
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.61 kW	5.33 kW
COP Tj = Tbiv	2.90	1.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.28 kW	4.52 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.38	1.49
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	5 W	5 W
PTO	32 W	32 W
PSB	5 W	5 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	1.50 kW
Annual energy consumption Qhe	3001 kWh	4192 kWh