

Subtype M5OE-42HFN8-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	M5OE-42HFN8-Q/MZAU-28HWFN8-QD2W
Registration number	011-1W0575
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	2.9 kg
Certification Date	18.01.2023
Testing basis	HP KEYMARK certification scheme rules rev. 10

Model M5OE-42HFN8-Q/MZAU-28HWFN8-QD2W

Model name	M5OE-42HFN8-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	8.62 kW	8.63 kW
El input	1.99 kW	3.51 kW
COP	4.34	2.46

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	68 dB(A)	68 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	166 %	119 %
Prated	8.68 kW	8.81 kW
SCOP	4.21	3.06
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.68 kW	7.79 kW
COP Tj = -7°C	2.53	1.91
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.55 kW	4.71 kW
COP Tj = +2°C	4.19	3.04
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.90 kW	2.88 kW
COP Tj = +7°C	5.73	3.87

Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.28 kW	2.90 kW
COP Tj = 12°C	7.20	5.79
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.68 kW	7.79 kW
COP Tj = Tbiv	2.53	1.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.72 kW	7.25 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.43	1.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	7 W	7 W
PTO	35 W	35 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.00 kW	1.60 kW
Annual energy consumption Qhe	4254 kWh	5950 kWh