

Subtype M thermal P series Split 6 kW

Certificate Holder	GD Midea Heating & Ventilating Equipment Co., Ltd.
Address	Penglai Industry Road
ZIP	528311
City	Beijiao, Shunde, Foshan
Country	CN
Certification Body	BRE Global Limited
Subtype title	M thermal P series Split 6 kW
Registration number	041-K007-36
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	0.95 kg
Certification Date	05.11.2024
Testing basis	Heat Pump Keymark Scheme Rules Rev 14

Model MHA-V6WD2N8*-C-B+HB-A60C****GN8*-C

Model name	MHA-V6WD2N8*-C-B+HB-A60C****GN8*-C
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Colder, Warmer
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 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	5.80 kW	5.90 kW
El input	1.23 kW	2.03 kW
COP	4.70	2.90

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	38.00 dB(A)	38.00 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	178 %	126 %
Prated	5.9 kW	5.9 kW
SCOP	4.53	3.23
Tbiv	-7 °C	-7 °C
TOL	-10.00 °C	-10.00 °C
Pdh Tj = -7°C	5.20 kW	5.26 kW
COP Tj = -7°C	2.99	2.08
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	3.17 kW	3.34 kW
COP Tj = +2°C	4.54	3.32
Cdh Tj = +2 °C	0.90	0.90

Pdh Tj = +7°C	2.54 kW	2.24 kW
COP Tj = +7°C	5.63	3.80
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	3.11 kW	2.94 kW
COP Tj = 12°C	7.84	5.96
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	5.20 kW	5.40 kW
COP Tj = Tbiv	2.99	2.08
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.81 kW	5.19 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.63	1.77
WTOL	65.00 °C	65.00 °C
Poff	10.00 W	10.00 W
PTO	6.00 W	6.00 W
PSB	10.00 W	10.00 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.09 kW	0.71 kW
Annual energy consumption Qhe	2691 kWh	3757 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	38.00 dB(A)	38.00 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	153 %	102 %
Prated	6.0 kW	5.2 kW
SCOP	3.90	2.63
Tbiv	-15.00 °C	-15.00 °C
TOL	-22.00 °C	-22.00 °C
Pdh Tj = -7°C	3.59 kW	3.38 kW
COP Tj = -7°C	3.35	2.35
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	2.47 kW	2.07 kW
COP Tj = +2°C	4.77	3.01
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	2.44 kW	2.19 kW
COP Tj = +7°C	5.90	4.28
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	3.00 kW	2.79 kW
COP Tj = 12°C	7.63	6.03
Cdh Tj = +12 °C	0.90	0.90

Pdh Tj = Tbiv	4.87 kW	4.20 kW
COP Tj = Tbiv	2.49	1.67
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.50 kW	2.22 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.65	1.06
WTOL	65.00 °C	65.00 °C
Poff	10.00 W	10.00 W
PTO	6 W	6 W
PSB	10.00 W	10.00 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.47 kW	2.93 kW
Annual energy consumption Qhe	3762.00 kWh	4802.00 kWh
Pdh Tj = -15°C (if TOL	4.87	4.20
COP Tj = -15°C (if TOL	2.49	1.67
Cdh Tj = -15 °C	1	1

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	38.00 dB(A)	38.00 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	221.00 %	152.00 %
Prated	6.0 kW	6.2 kW
SCOP	5.60	3.88
Tbiv	7.00 °C	7.00 °C
TOL	2.00 °C	2.00 °C
Pdh Tj = +2°C	5.40 kW	5.56 kW
COP Tj = +2°C	3.72	2.19
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	3.88 kW	3.99 kW
COP Tj = +7°C	5.28	3.57
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	2.94 kW	2.67 kW
COP Tj = 12°C	7.46	5.25
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	4.20 kW	4.20 kW
COP Tj = Tbiv	1.67	1.67
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.56 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.72	2.19
WTOL	65.00 °C	65.00 °C

Poff	10.00 W	10.00 W
PTO	6.00 W	6.00 W
PSB	10 W	10 W
PCK	0.00 W	0.00 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.64 kW	0.64 kW
Annual energy consumption Qhe	1427.00 kWh	2048.00 kWh