

This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	R32 M-thermal Split 4 6 kW with tank	Reg. No.	ICIM-PDC-000049-01
Certificate Holder			
Name	GD Midea Heating & Ventilating Equipment Co., Ltd.		
Address	Penglai Industry Road	Zip	528311
City	Beijiao, Shunde, Foshan	Country	China
Certification Body	ICIM S.p.A.		
Name of testing laboratory	ReLab Politecnico di Milano		
Subtype title	R32 M-thermal Split 4 6 kW with tank		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass Of Refrigerant	1.55 kg		
Certification Date	11.12.2019		
Testing basis	EN 14511:2013, EN 14825:2016, EN 16147:17; EN 12102:2013		

Model: MHA-V4W/D2N8+SMKT-100L/190C*GN8

General Data

Power supply	1x230V 50Hz
--------------	-------------

Heating

EN 14511-4

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2

	Low temperature	Medium temperature
Heat output	4.49 kW	4.10 kW
El input	0.92 kW	1.48 kW
COP	4.87	2.77
Indoor water flow rate	0.78 m ³ /h	0.45 m ³ /h

Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	186 %	132 %
Prated	4.52 kW	5.41 kW
SCOP	4.73	3.37
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.00 kW	4.26 kW
COP Tj = -7°C	3.26	2.10
Cdh	0.90	0.90
Pdh Tj = +2°C	2.37 kW	3.09 kW
COP Tj = +2°C	4.70	3.28
Cdh	0.90	0.90
Pdh Tj = +7°C	1.63 kW	1.98 kW
COP Tj = +7°C	5.78	4.49
Cdh	0.90	0.90

This information was generated by the HP KEYMARK database on 17 Dec 2020

Pdh Tj = 12°C	1.38 kW	1.27 kW
COP Tj = 12°C	7.31	5.53
Cdh	0.90	0.90
Pdh Tj = Tbiv	4.00 kW	4.37 kW
COP Tj = Tbiv	3.26	2.38
Pdh Tj = TOL	3.81 kW	4.68 kW
COP Tj = TOL	2.80	1.93
WTOL	60 °C	60 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.71 kW	0.73 kW
Annual energy consumption Qhe	1978 kWh	3320 kWh

Warmer Climate

EN 12102-1	
	Low temperature
Sound power level indoor	39 dB(A)
Sound power level outdoor	61 dB(A)

Colder Climate

EHPA Secretariat | Rue d'Arlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com

Disclaimer: this document is a summary of the certified performance.
The authoritative source of this information is the heat pump certificate as executed by the certification body and the related technical data.

EN 12102-1	
	Low temperature
Sound power level indoor	39 dB(A)
Sound power level outdoor	61 dB(A)

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	115 %
COP	2.71
Heating up time	2:47 h:min
Standby power input	47.0 W
Reference hot water temperature	48.6 °C
Mixed water at 40°C	200 l

Warmer Climate

Colder Climate

Model: MHA-V6W/D2N8+SMKT-100L/190C*GN8

General Data

Power supply	1x230V 50Hz
--------------	-------------

Heating

EN 14511-4

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2

	Low temperature	Medium temperature
Heat output	6.32 kW	5.47 kW
El input	1.36 kW	1.87 kW
COP	4.66	2.92
Indoor water flow rate	1.10 m ³ /h	0.60 m ³ /h

Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	193 %	132 %
Prated	5.91 kW	5.84 kW
SCOP	4.89	3.37
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.23 kW	5.17 kW
COP Tj = -7°C	3.09	2.09
Cdh	0.90	0.90
Pdh Tj = +2°C	3.20 kW	3.09 kW
COP Tj = +2°C	4.58	3.28
Cdh	0.90	0.90
Pdh Tj = +7°C	2.21 kW	1.98 kW
COP Tj = +7°C	7.18	4.49
Cdh	0.90	0.90

This information was generated by the HP KEYMARK database on 17 Dec 2020

Pdh Tj = 12°C	1.38 kW	1.27 kW
COP Tj = 12°C	7.31	5.53
Cdh	0.90	0.90
Pdh Tj = Tbiv	5.23 kW	5.17 kW
COP Tj = Tbiv	3.09	2.09
Pdh Tj = TOL	5.24 kW	4.79 kW
COP Tj = TOL	2.67	1.85
WTOL	60 °C	60 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.67 kW	1.05 kW
Annual energy consumption Qhe	2501 kWh	3586 kWh

Warmer Climate

EN 12102-1	
	Low temperature
Sound power level indoor	39 dB(A)
Sound power level outdoor	62 dB(A)

Colder Climate

EHPA Secretariat | Rue d'Arlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com

Disclaimer: this document is a summary of the certified performance.
The authoritative source of this information is the heat pump certificate as executed by the certification body and the related technical data.

EN 12102-1	
	Low temperature
Sound power level indoor	39 dB(A)
Sound power level outdoor	62 dB(A)

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	115 %
COP	2.71
Heating up time	2:47 h:min
Standby power input	47.0 W
Reference hot water temperature	48.6 °C
Mixed water at 40°C	200 l

Warmer Climate

Colder Climate

Model: MHA-V4W/D2N8+SMKT-100L/250C*GN8

General Data

Power supply	1x230V 50Hz
--------------	-------------

Heating

EN 14511-4

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2

	Low temperature	Medium temperature
Heat output	4.49 kW	4.10 kW
El input	0.92 kW	1.48 kW
COP	4.87	2.77
Indoor water flow rate	0.78 m ³ /h	0.45 m ³ /h

Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	186 %	132 %
Prated	4.52 kW	5.41 kW
SCOP	4.73	3.37
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.00 kW	4.26 kW
COP Tj = -7°C	3.26	2.10
Cdh	0.90	0.90
Pdh Tj = +2°C	2.37 kW	3.09 kW
COP Tj = +2°C	4.70	3.28
Cdh	0.90	0.90
Pdh Tj = +7°C	1.63 kW	1.98 kW
COP Tj = +7°C	5.78	4.49
Cdh	0.90	0.90

This information was generated by the HP KEYMARK database on 17 Dec 2020

Pdh Tj = 12°C	1.38 kW	1.27 kW
COP Tj = 12°C	7.31	5.53
Cdh	0.90	0.90
Pdh Tj = Tbiv	4.00 kW	4.37 kW
COP Tj = Tbiv	3.26	2.38
Pdh Tj = TOL	3.81 kW	4.68 kW
COP Tj = TOL	2.80	1.93
WTOL	60 °C	60 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.71 kW	0.73 kW
Annual energy consumption Qhe	1978 kWh	3320 kWh

Warmer Climate

EN 12102-1	
	Low temperature
Sound power level indoor	39 dB(A)
Sound power level outdoor	61 dB(A)

Colder Climate

EHPA Secretariat | Rue d'Arlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com

Disclaimer: this document is a summary of the certified performance.
The authoritative source of this information is the heat pump certificate as executed by the certification body and the related technical data.

EN 12102-1	
	Low temperature
Sound power level indoor	39 dB(A)
Sound power level outdoor	61 dB(A)

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	93 %
COP	2.22
Heating up time	3:52 h:min
Standby power input	71.0 W
Reference hot water temperature	54.2 °C
Mixed water at 40°C	328 l

Warmer Climate

Colder Climate

Model: MHA-V6W/D2N8+SMKT-100L/250C*GN8

General Data

Power supply	1x230V 50Hz
--------------	-------------

Heating

EN 14511-4

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2

	Low temperature	Medium temperature
Heat output	6.32 kW	5.47 kW
El input	1.36 kW	1.87 kW
COP	4.66	2.92
Indoor water flow rate	1.10 m ³ /h	0.60 m ³ /h

Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	193 %	132 %
Prated	5.91 kW	5.84 kW
SCOP	4.89	3.37
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.23 kW	5.17 kW
COP Tj = -7°C	3.09	2.09
Cdh	0.90	0.90
Pdh Tj = +2°C	3.20 kW	3.09 kW
COP Tj = +2°C	4.58	3.28
Cdh	0.90	0.90
Pdh Tj = +7°C	2.21 kW	1.98 kW
COP Tj = +7°C	7.18	4.49
Cdh	0.90	0.90

This information was generated by the HP KEYMARK database on 17 Dec 2020

Pdh Tj = 12°C	1.38 kW	1.27 kW
COP Tj = 12°C	7.31	5.53
Cdh	0.90	0.90
Pdh Tj = Tbiv	5.23 kW	5.17 kW
COP Tj = Tbiv	3.09	2.09
Pdh Tj = TOL	5.24 kW	4.79 kW
COP Tj = TOL	2.67	1.85
WTOL	60 °C	60 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.67 kW	1.05 kW
Annual energy consumption Qhe	2501 kWh	3586 kWh

Warmer Climate

EN 12102-1	
	Low temperature
Sound power level indoor	39 dB(A)
Sound power level outdoor	62 dB(A)

Colder Climate

EHPA Secretariat | Rue d'Arlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com

Disclaimer: this document is a summary of the certified performance.
The authoritative source of this information is the heat pump certificate as executed by the certification body and the related technical data.

EN 12102-1	
	Low temperature
Sound power level indoor	39 dB(A)
Sound power level outdoor	62 dB(A)

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	93 %
COP	2.22
Heating up time	3:52 h:min
Standby power input	71.0 W
Reference hot water temperature	54.2 °C
Mixed water at 40°C	328 l

Warmer Climate

Colder Climate