

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

Summary of	R32 M-thermal Split 8 10 kW	Reg. No.	ICIM-PDC-000048-00
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 8 10 kW		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass Of Refrigerant	1.65 kg		
Certification Date	11.12.2019		
Testing basis	EN 14511:2013, EN 14825:2016, EN 12102:2013		

Model: MHA-V8W/D2N8+SMK-80/CGN8

General Data

Power supply	1x230V 50Hz
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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	8.47 kW	7.40 kW
El input	1.78 kW	2.51 kW
COP	4.76	2.95
Indoor water flow rate	1.47 m ³ /h	0.81 m ³ /h

Average Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	188 %	128 %
Prated	8.88 kW	7.92 kW
SCOP	4.78	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.85 kW	7.01 kW
COP Tj = -7°C	2.96	2.02
Cdh	0.90	0.90
Pdh Tj = +2°C	4.78 kW	4.27 kW
COP Tj = +2°C	4.55	3.19
Cdh	0.90	0.90
Pdh Tj = +7°C	3.07 kW	2.74 kW
COP Tj = +7°C	6.58	4.41
Cdh	0.90	0.90

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Pdh Tj = 12°C	1.37 kW	1.22 kW
COP Tj = 12°C	8.66	5.11
Cdh	0.90	0.90
Pdh Tj = Tbiv	7.85 kW	7.01 kW
COP Tj = Tbiv	2.96	2.02
Pdh Tj = TOL	8.88 kW	7.92 kW
COP Tj = TOL	2.82	1.65
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	29 W	29 W
PSB	14 W	14 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3837 kWh	4988 kWh

Warmer Climate

EN 12102-1	
	Low temperature
Sound power level indoor	43 dB(A)
Sound power level outdoor	63 dB(A)

Colder Climate

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

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The authoritative source of this information is the heat pump certificate as executed by the certification body and the related technical data.

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Defrost test	passed
Starting and operating test	passed

EN 14511-2

	Low temperature	Medium temperature
Heat output	10.00 kW	9.30 kW
El input	2.15 kW	3.25 kW
COP	4.65	2.86
Indoor water flow rate	1.72 m ³ /h	1.60 m ³ /h

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