Subtype Atom T 10kW with 190L tank	
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	Atom T 10kW with 190L tank
Registration number	041-K007-43
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.8 kg
Certification Date	22.09.2025
Testing basis	Heat Pump Keymark Scheme Rules Rev 15
Testing laboratory	Hefei General Machinery & Electrical Products Inspection Institute (GMPI)

Model MDV-V100WHN8(At) + SMKT-D100/190CGN8(At)	
Model name	MDV-V100WHN8(At) + SMKT-D100/190CGN8(At)
Application	Heating + DHW
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	112 %
COP	2.66
Heating up time	1:31 h:min
Standby power input	26.0 W
Reference hot water temperature	46.7 °C
Mixed water at 40°C	183 l

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	9 kW	8.5 kW
El input	2.14 kW	3.54 kW
COP	4.2	2.4

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	68 dB(A)	68 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	151 %	112 %

Prated	9.2 kW	7.6 kW
SCOP	3.85	2.88
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.2 kW	6.72 kW
COP Tj = -7°C	2.47	1.8
Cdh Tj = -7 °C	0.9	0.9
Pdh Tj = +2°C	4.95 kW	4.34 kW
COP Tj = +2°C	3.61	2.92
Cdh Tj = +2 °C	0.9	0.9
Pdh Tj = +7°C	3.23 kW	2.78 kW
COP Tj = +7°C	5.7	4.09
Cdh Tj = +7 °C	0.9	0.9
Pdh Tj = 12°C	2.51 kW	2.4 kW
COP Tj = 12°C	8.98	5.84
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	8.2 kW	6.72 kW
COP Tj = Tbiv	2.47	1.8
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.68 kW	7.36 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.45	1.61
WTOL	60 °C	60 °C
Poff	0 W	0 W
PTO	0 W	0 W
PSB	0 W	0 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.48 kW	0.24 kW
Annual energy consumption Qhe	4926 kWh	5490 kWh