Subtype Atom T 8kW 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 8kW with 190L tank
Registration number	041-K007-40
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.4 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-V80WHN8(At) + SMKT-D100/190CGN8(At)	
Model name	MDV-V80WHN8(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	110 %
COP	2.71
Heating up time	1:36 h:min
Standby power input	27.0 W
Reference hot water temperature	47.3 °C
Mixed water at 40°C	196 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	7.2 kW	6.8 kW
El input	1.89 kW	3.02 kW
COP	3.8	2.25

EN 12102-1 | Average Climate	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825 | Average Climate	Low temperature	Medium temperature
ηs	151 %	110 %

Prated	8 kW	6.4 kW
SCOP	3.85	2.83
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.9 kW	5.9 kW
COP Tj = -7°C	2.37	1.68
Cdh Tj = -7 °C	0.9	0.9
Pdh Tj = +2°C	4.4 kW	3.53 kW
COP Tj = +2°C	3.99	2.9
Cdh Tj = +2 °C	0.9	0.9
Pdh Tj = +7°C	2.78 kW	2.43 kW
COP Tj = +7°C	4.14	4.14
Cdh Tj = +7 °C	0.9	0.9
Pdh Tj = 12°C	2.56 kW	2.32 kW
COP Tj = 12°C	5.57	5.57
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	6.9 kW	5.9 kW
COP Tj = Tbiv	2.37	1.68
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.1 kW	6.56 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.17	1.64
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	0.9 kW	0 kW
Annual energy consumption Qhe	4246 kWh	4606 kWh