

Subtype Atom T 10kW with 240L tank

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|---------------------|---|
| 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 240L tank |
| Registration number | 041-K007-44 |
| 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-D160/240CGN8(At)

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|-------------------------------------|--|
| Model name | MDV-V100WHN8(At) + SMKT-D160/240CGN8(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 | XL |
| Efficiency η_{DHW} | 112 % |
| COP | 2.90 |
| Heating up time | 1:58 h:min |
| Standby power input | 31.0 W |
| Reference hot water temperature | 48.3 °C |
| Mixed water at 40°C | 278 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

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|-------------------------------|--------|
| 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 |
|----------|-----------------|--------------------|
| η_s | 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 |