

## Subtype MDV A Series 12 14 16kW with 240L 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	MDV A Series 12 14 16kW with 240L tank
Registration number	041-K007-28
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.84 kg
Certification Date	13.11.2023
Testing basis	Heat Pump KEYMARK certification Scheme rules v08

## Model AHPS-V12W/D2N8-B+AHBT-A160/240C\*\*\*\*GN8-B

Model name	AHPS-V12W/D2N8-B+AHBT-A160/240C****GN8-B
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
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 $\eta_{DHW}$	123 %
COP	3
Heating up time	1:38 h:min
Standby power input	34 W
Reference hot water temperature	48.5 °C
Mixed water at 40°C	280 l

## EN 16147 | Colder Climate

Declared load profile	XL
Efficiency $\eta_{DHW}$	92 %
COP	2.24
Heating up time	2:06 h:min
Standby power input	36 W
Reference hot water temperature	48.5 °C
Mixed water at 40°C	280 l

## EN 16147 | Warmer Climate

Declared load profile	XL
Efficiency $\eta_{DHW}$	153 %
COP	3.73
Heating up time	1:33 h:min
Standby power input	30 W
Reference hot water temperature	48.5 °C
Mixed water at 40°C	280 l

## Model AHPS-V12W/D2RN8-B+AHBT-A160/240C\*\*\*\*GN8-B

Model name	AHPS-V12W/D2RN8-B+AHBT-A160/240C****GN8-B
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
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 $\eta_{DHW}$	123 %
COP	3
Heating up time	1:38 h:min
Standby power input	34 W
Reference hot water temperature	48.5 °C
Mixed water at 40°C	280 l

#### EN 16147 | Colder Climate

Declared load profile	XL
Efficiency $\eta_{DHW}$	92 %
COP	2.24
Heating up time	2:06 h:min
Standby power input	36 W
Reference hot water temperature	48.5 °C
Mixed water at 40°C	280 l

#### EN 16147 | Warmer Climate

Declared load profile	XL
Efficiency $\eta_{DHW}$	153 %
COP	3.73
Heating up time	1:33 h:min
Standby power input	30 W
Reference hot water temperature	48.5 °C
Mixed water at 40°C	280 l

## Model AHPS-V14W/D2N8-B+AHBT-A160/240C\*\*\*\*GN8-B

Model name	AHPS-V14W/D2N8-B+AHBT-A160/240C****GN8-B
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
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 $\eta_{DHW}$	123 %
COP	3
Heating up time	1:38 h:min
Standby power input	34 W
Reference hot water temperature	48.5 °C
Mixed water at 40°C	280 l

#### EN 16147 | Colder Climate

Declared load profile	XL
Efficiency $\eta_{DHW}$	92 %
COP	2.24
Heating up time	2:06 h:min
Standby power input	36 W
Reference hot water temperature	48.5 °C
Mixed water at 40°C	280 l

#### EN 16147 | Warmer Climate

Declared load profile	XL
Efficiency $\eta_{DHW}$	153 %
COP	3.73
Heating up time	1:33 h:min
Standby power input	30 W
Reference hot water temperature	48.5 °C
Mixed water at 40°C	280 l

## Model AHPS-V14W/D2RN8-B+AHBT-A160/240C\*\*\*\*GN8-B

Model name	AHPS-V14W/D2RN8-B+AHBT-A160/240C****GN8-B
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

Power supply	3x400V 50Hz
Off-peak product	n/a

## Outdoor Air/Water

## EN 16147 | Average Climate

Declared load profile	XL
Efficiency $\eta_{DHW}$	123 %
COP	3
Heating up time	1:38 h:min
Standby power input	34 W
Reference hot water temperature	48.5 °C
Mixed water at 40°C	280 l

## EN 16147 | Colder Climate

Declared load profile	XL
Efficiency $\eta_{DHW}$	92 %
COP	2.24
Heating up time	2:06 h:min
Standby power input	36 W
Reference hot water temperature	48.5 °C
Mixed water at 40°C	280 l

## EN 16147 | Warmer Climate

Declared load profile	XL
Efficiency $\eta_{DHW}$	153 %
COP	3.73
Heating up time	1:33 h:min
Standby power input	30 W
Reference hot water temperature	48.5 °C
Mixed water at 40°C	280 l

**Model AHPS-V16W/D2N8-B+AHBT-A160/240C\*\*\*\*GN8-B**

Model name	AHPS-V16W/D2N8-B+AHBT-A160/240C****GN8-B
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
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 $\eta_{DHW}$	123 %
COP	3
Heating up time	1:38 h:min
Standby power input	34 W
Reference hot water temperature	48.5 °C
Mixed water at 40°C	280 l

**EN 16147 | Colder Climate**

Declared load profile	XL
Efficiency $\eta_{DHW}$	92 %
COP	2.24
Heating up time	2:06 h:min
Standby power input	36 W
Reference hot water temperature	48.5 °C
Mixed water at 40°C	280 l

**EN 16147 | Warmer Climate**

Declared load profile	XL
Efficiency $\eta_{DHW}$	153 %
COP	3.73
Heating up time	1:33 h:min
Standby power input	30 W
Reference hot water temperature	48.5 °C
Mixed water at 40°C	280 l

## Model AHPS-V16W/D2RN8-B+AHBT-A160/240C\*\*\*\*GN8-B

Model name	AHPS-V16W/D2RN8-B+AHBT-A160/240C****GN8-B
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

### General data

Power supply	3x400V 50Hz
Off-peak product	n/a

### Outdoor Air/Water

#### EN 16147 | Average Climate

Declared load profile	XL
Efficiency $\eta_{DHW}$	123 %
COP	3
Heating up time	1:38 h:min
Standby power input	34 W
Reference hot water temperature	48.5 °C
Mixed water at 40°C	280 l

#### EN 16147 | Colder Climate

Declared load profile	XL
Efficiency $\eta_{DHW}$	92 %
COP	2.24
Heating up time	2:06 h:min
Standby power input	36 W
Reference hot water temperature	48.5 °C
Mixed water at 40°C	280 l

#### EN 16147 | Warmer Climate

Declared load profile	XL
Efficiency $\eta_{DHW}$	153 %
COP	3.73
Heating up time	1:33 h:min
Standby power input	30 W
Reference hot water temperature	48.5 °C
Mixed water at 40°C	280 l