

3.3 WH-ADC0316M9E82 WH-WXG16ME8

| Item | | Unit | Outdoor Unit | | | |
|------------------------------|---|--|---|----------------------------------|----------------------------------|-----------|
| Performance Test Condition | | EN 14511 | | | | |
| | | EN 14825 | | | | |
| Cooling Capacity | Condition (Ambient/Water) | | A35W7 | | | |
| | kW | | 9.00 | | | |
| | BTU/h | | 30700 | | | |
| Cooling EER | | W/W | 3.61 | | | |
| Heating Capacity | Condition (Ambient/Water) | | A7W35 | A2W35 | | |
| | kW | | 16.00 | 16.00 | | |
| | BTU/h | | 54600 | 54600 | | |
| Heating COP | | W/W | 4.89 | 3.30 | | |
| Heating Erp | DHW | | Warmer | Average | Colder | |
| | Application | | | | | Climate |
| | COP / nwh | | (W/W) / % | 3.20 / 128 | 2.85 / 117 | 2.10 / 84 |
| | AEC | | kWh | 778 | 876 | 1196 |
| Noise Level | Condition (Ambient/Water) | | A35W7 | A7W35 | A2W35 | |
| | dB (A) | | Cooling: - | Heating: - | Heating: - | |
| | Power Level dB | | Cooling: 60*** | Heating: 62*** Heating: 57*** | Heating: 62*** Heating: 57*** | |
| Air Flow | | m ³ /min (ft ³ /min) | Cooling: 97.0 (3426) Heating: 108.0 (3814) | | | |
| Refrigeration Control Device | | Expansion Valve | | | | |
| Refrigeration Oil | | cm ³ | PZ68S (1600) | | | |
| Refrigerant | | kg (oz) | R290, 1.77 (62.4) (Pre-charged) (-) (Maximum) | | | |
| F-GAS | GWP | | 3 | | | |
| | CO ² eq (ton) (Precharged / Maximum) | | 0.006 / - | | | |
| Dimension | Height | mm (inch) | 1520 (59-27/32) | | | |
| | Width | mm (inch) | 1200 (47-1/4) | | | |
| | Depth | mm (inch) | 430 (16-59/64) | | | |
| Net Weight | | kg (lbs) | 165 (364) | | | |
| Pipe Diameter (Inner) | | mm | 32 | | | |
| Standard Length | | m (ft) | 5.0 (16.4) | | | |
| Maximum Pipe Length | | m (ft) | 30.0 (98.4) | | | |
| I/D & O/D Height Difference | | m (ft) | 30.0 (98.4) | | | |
| Water Pipe Connector | Indoor | inch | 1-1/4 | | | |
| | Outdoor | | 1-1/4 | | | |
| Compressor | Type | | Hermetic Motor Compressor (Involute Scroll) | | | |
| | Motor Type | | Synchronous Electric Motor (6-poles) | | | |
| | Rated Output | | kW | 3.10 | | |
| Fan | Type | | Propeller Fan | | | |
| | Material | | PP | | | |
| | Motor Type | | DC (8-poles) | | | |
| | Input Power | | kW | - | | |
| | Output Power | | W | 120 × 2 | | |
| | Fan Speed | | rpm | Cooling: 510 Heating: 480 | | |

| Item | | Unit | Outdoor Unit | | |
|--|---------------------------|---------------------------|---|---------------|---------------|
| Heat Exchanger | Fin material | | Aluminium (Blue Coat) | | |
| | Fin Type | | Corrugated Fin | | |
| | Row × Stage × FPI | | 2 × 58 × 19 | | |
| | Size (W × H × L) | mm | 44 × 1473.2 × 868.2:902.7 | | |
| Hot Water Coil | Type | | Brazed Plate | | |
| | No. of Plates | | 44 | | |
| | Size (W × H × L) | mm | 72.0 × 535 × 120.5 | | |
| | Water Flow Rate | l/min (m ³ /h) | Cooling: 25.8 (1.5) Heating: 45.9 (2.8) | | |
| Power Source (Phase, Voltage, Cycle) | Ø | | Three | | |
| | V | | 400 | | |
| | Hz | | 50 | | |
| Input Power | Condition (Ambient/Water) | | A35W7 | A7W35 | A2W35 |
| | kW | | Cooling: 2.49 | Heating: 3.27 | Heating: 4.85 |
| Maximum Input Power For Heatpump System | kW | | 12.80 | | |
| Power Supply 1 : Phase (Ø) / Max. Current (A) / Max. Input Power (W) | | | 3Ø / 19.0 / 12.8k | | |
| Power Supply 2 : Phase (Ø) / Max. Current (A) / Max. Input Power (W) | | | 3Ø / 13.1 / 9.00k | | |
| Power Supply 3 : Phase (Ø) / Max. Current (A) / Max. Input Power (W) | | | - / - / - | | |
| Starting Current | A | | 4.9 | | |
| Running Current | Condition (Ambient/Water) | | A35W7 | A7W35 | A2W35 |
| | A | | Cooling: 3.8 | Heating: 4.9 | Heating: 7.3 |
| Maximum Current For Heatpump System | A | | 19.0 | | |
| Power Factor Power factor means total figure of compressor and outdoor fan motor. | Condition (Ambient/Water) | | A35W7 | A7W35 | A2W35 |
| | % | | Cooling: 95 | Heating: 97 | Heating: 96 |
| Power Cord | Number of core | | - | | |
| | Length | m (ft) | - | | |
| Thermostat | | | Electronic Control | | |
| Protection Device | | | Electronic Control | | |
| Pressure Relief Valve Water Circuit | kPa | | Open: 400, Close: 280 and below | | |
| Operation Range | Outdoor Ambient | °C (min. / max.) | Cooling: 10 / 43 Heating (Tank): -28 / 43 Heating (Circuit): -28 / 35 | | |
| | Water Outlet | °C (min. / max.) | Cooling: 5 / 20 Heating (Tank): - / 65* ³ , Heating (Circuit): 20 / 55 (Below Ambient -25 °C) * ⁴ Heating (Circuit): 20 / 75 (Above Ambient -15 °C) * ⁴ | | |
| Internal Pressure Differential | kPa | | Cooling: 22.0 Heating: 63.0 | | |
| Pump | Motor Type | | Brushless DC Motor (Sensorless vector control system) | | |
| | No. of Speed | | Variable Speed | | |
| | Input Power | W | 175 | | |
| Flow Sensor | Type | | Vortex (Piezoelectric sensor) | | |
| | Measuring range | l/min | 5 ~ 60 | | |

| Item | | Unit | Indoor Unit | | |
|--|------------------------|---------------------------|------------------------------------|----------------|----------------|
| Performance Test Condition | | EN 14511 | | | |
| | | EN 14825 | | | |
| Noise Level | | Condition (Ambient/Water) | A35W7 | A7W35 | A2W35 |
| | | dB (A) | Cooling: 22*** | Heating: 22*** | Heating: 22*** |
| | | Power Level dB | Cooling: 35*** | Heating: 35*** | Heating: 35*** |
| Dimension | Depth | mm (inch) | 602 (23-45/64) | | |
| | Width | mm (inch) | 599 (23-37/64) | | |
| | Height | mm (inch) | 1642 (64-41/64) | | |
| Net Weight | | kg (lbs) | 89 (196) | | |
| Water Pipe Diameter | Room | mm (inch) | 31 (1-1/4) | | |
| | Shower | mm (inch) | 19 (3/4) | | |
| Water Drain Hose Inner Diameter | | mm (inch) | 12.00 (17/36) | | |
| Pressure Release Valve | | kPa | Open: 800, Close: 640 and below | | |
| Protection Device | | A | Earth Leakage Circuit Breaker (40) | | |
| Expansion Vessel | Volume | l | 12 | | |
| | MWP | bar | 4 | | |
| Capacity of Integrated Electric Heater / OLP TEMP | | kW / °C | 9.00 / 85 | | |
| Tank Volume (Spec / Nett) | | L | 200 / 185 | | |
| Max. Tank Water Set Temperature | | °C | 65 | | |
| Tank Coil Surface | | m ² | 1.8 | | |
| Maximum Working Pressure | Heat / Cool | Bar | 4.0 | | |
| | Tank Circuit | Bar | 10.0 | | |
| Operating Pressure | Tank Unit | Bar | 3.5 | | |
| | Expansion Relief Valve | Bar | 8.0 | | |
| Expansion Vessel Pre-charge Pressure (DHW Circuit) | | Bar | 3.5 | | |
| Pressure Reducing Valve Set Pressure (DHW Circuit) | | Bar | 3.5 | | |

| Item | | Unit | Indoor Unit |
|-----------------|---|----------------|----------------|
| Pressure Vessel | Material | | EN14511 |
| | Volume | L | 185 |
| | Design Pressure | Bar | 10 |
| Heat Exchanger | Material | | EN-1.4521 |
| | Diameter | mm | 22 |
| | Thickness | mm | 0.8 |
| | Surface Area | m ² | 1.8 |
| | Total Length | m | 25 |
| DHW Tank | Total Corrosion ion (Chloride + Sulphate + Nitric) | mg/L | < 150 |
| | Conductivity @ Water Tank Water Temperature < 60°C | µS/cm | < 1250 |
| | Conductivity @ Water Tank Water Temperature < 65°C | µS/cm | < 1200 |
| | Saturation Index (LSI) @ 20°C | | > -4.0 / < 0.4 |
| | PH | | 6.5 - 8.5 |

Note:

- In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
- If the EUROVENT Certified models can be operated under the “extra-low” temperature condition, -7°C DB and -8°C WB temperature with rated voltage 230V shall be used.
- Capacity is measured at outdoor temperature 7°C DB and 6°C WB with controlled water inlet 30°C and water outlet 35°C (EN 14511-2)
- Flowrate indicated are based on nominal capacity adjustment of leaving water temperature (LWT) 35°C and ΔT=5°C.
- EER and COP classification is at 230V only in accordance with EU directive 2003/32/EC.
- *** The sound pressure and sound power level is measured with distance 1.0m from the unit and height at 1.5m. (Test carry out for cooling at ambient 35°C DB and Water Out 7°C, heating at ambient 7°C DB / 6°C WB and water out 55°C)
- **** The sound power level is measured with accordance to EN12102 under conditions of the EN14825.
- *** The sound power level is measured with accordance to EN12102 under full load conditions. (Test carry out for cooling at ambient 35°C DB and Water Out 7°C, heating at ambient 7°C DB / 6°C WB and water out 55°C)