

# PUZ-WM50VHA(-BS)

Ecodan R32

**Monobloc** Air Source Heat Pump

**R32**

## Key Features:

- A+++ high efficiency system
- Ultra quiet noise levels
- Maintains full heating capacity at low temperatures
- Zero carbon solution
- MELCloud enabled

## Key Benefits:

- Ultra low running cost
- Flexible product placement
- Confident and quick product selection
- Help to tackle the climate crisis
- Remote control, monitoring, maintenance and technical support



**MELCloud**



Manufactured in the UK



037-0032-20-01



**ecodan**<sup>®</sup>  
Renewable Heating Technology

| OUTDOOR UNIT                                                |                                                 | PUZ-WM50VHA(-BS)            |
|-------------------------------------------------------------|-------------------------------------------------|-----------------------------|
| HEAT PUMP SPACE HEATER - 55°C                               | ErP Rating                                      | A++                         |
|                                                             | $\eta_s$                                        | 129%                        |
|                                                             | SCoP (MCS)                                      | 3.22                        |
| HEAT PUMP SPACE HEATER - 35°C                               | ErP Rating                                      | A+++                        |
|                                                             | $\eta_s$                                        | 183%                        |
|                                                             | SCoP (MCS)                                      | 4.57                        |
| HEAT PUMP COMBINATION HEATER - Large Profile <sup>*1</sup>  | ErP Rating                                      | A+                          |
|                                                             | $\eta_{wh}$                                     | 135%                        |
|                                                             | Capacity (kW)                                   | 5.0                         |
|                                                             | Power Input (kW)                                | 1.67                        |
| HEATING <sup>*2</sup><br>(A-7/W35)                          | COP                                             | 3.00                        |
|                                                             |                                                 |                             |
| OPERATING AMBIENT TEMPERATURE (°C DB)                       |                                                 | -20 ~ +35                   |
| SOUND DATA <sup>*3</sup>                                    | Pressure Level at 1m (dBA)                      | 52                          |
|                                                             | Power Level (dBA) <sup>*4</sup>                 | 61                          |
| WATER DATA                                                  | Pipework Size (mm)                              | 22                          |
|                                                             | Flow Rate (l/min)                               | 14                          |
|                                                             | Water Pressure Drop (kPa)                       | 12.0                        |
| DIMENSIONS (mm)                                             | Width                                           | 950                         |
|                                                             | Depth                                           | 330+30 <sup>*7</sup>        |
|                                                             | Height                                          | 943                         |
| WEIGHT (kg)                                                 |                                                 | 71                          |
| ELECTRICAL DATA                                             | Electrical Supply                               | 220-240v, 50Hz              |
|                                                             | Phase                                           | Single                      |
|                                                             | Nominal Running Current [MAX] (A) <sup>*5</sup> | 4.64 [13]                   |
|                                                             | Fuse Rating - MCB Sizes (A) <sup>*6</sup>       | 16                          |
| REFRIGERANT CHARGE (kg)<br>/ CO <sub>2</sub> EQUIVALENT (t) |                                                 | R32 (GWP 675)<br>2.0 / 1.35 |

## Notes:

\*1 Combination with E\*PT20X Cylinder

\*2 Under normal heating conditions at outdoor temp: -7°CDB / -8°CWB, outlet water temp 35°C, inlet water temp 30°C.

\*3 Under normal heating conditions at outdoor temp: 7°CDB / 6°CWB, outlet water temp 55°C, inlet water temp 47°C as tested to BS EN14511.

\*4 Sound power level tested to BS EN12102.

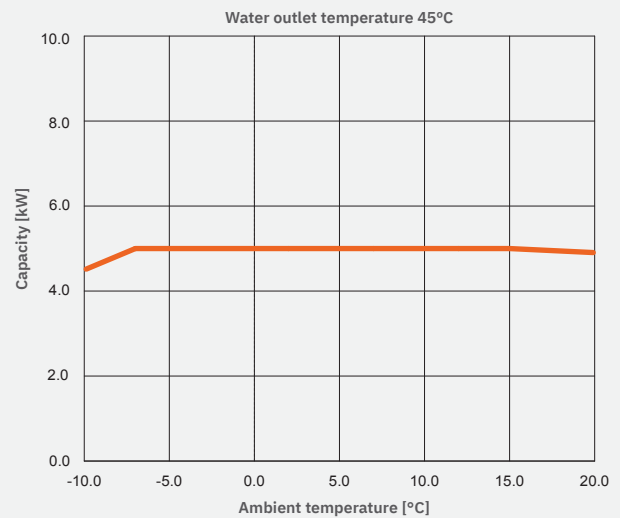
\*5 Under nominal heating conditions at outdoor temp: 7°C, outlet water temp: 35°C.

\*6 MCB Sizes BS EN60898-2 &amp; BS EN60947-2.

\*7 Grille.

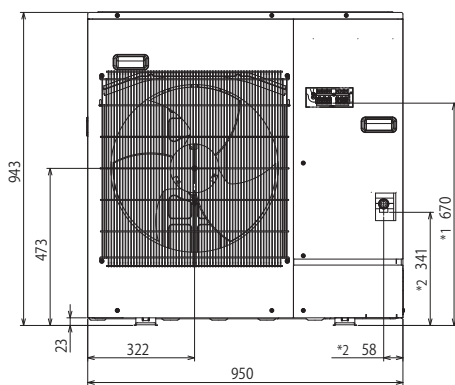
 $\eta_s$  is the seasonal space heating energy efficiency (SSHEE)  $\eta_{wh}$  is the water heating energy efficiency

## NOMINAL HEATING CAPACITY

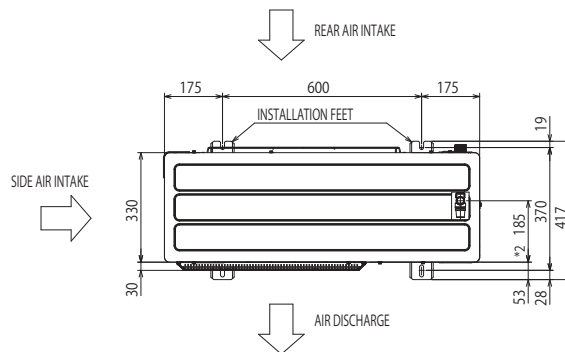


## PUZ-WM50VHA(-BS) DIMENSIONS

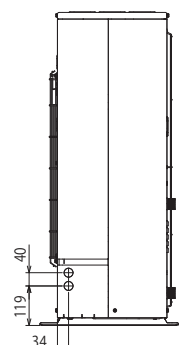
FRONT VIEW



UPPER VIEW



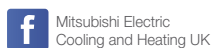
SIDE VIEW



All dimensions (mm)

\*1--INDICATION OF TERMINAL CONNECTION LOCATION.  
\*2--INDICATION OF PRESSURE RELIEF VALVE DRAIN PORT.

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**Note:** The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R1234ze (GWP:7) or R1234yf (GWP:4). \*These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows. R410A (GWP:1975), R32 (GWP:550), R407C (GWP:1650) or R134a (GWP:1300).

Effective as of August 2020

