Heating | Product Information

# 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®

Renewable Heating Technology

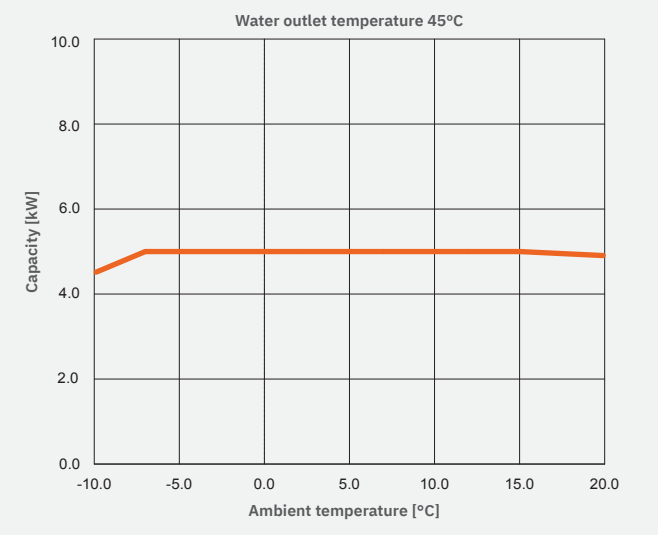
**Heating** | **Product Information**

# PUZ-WM50VHA(-BS)

Ecodan R32
Monobloc Air Source Heat Pump

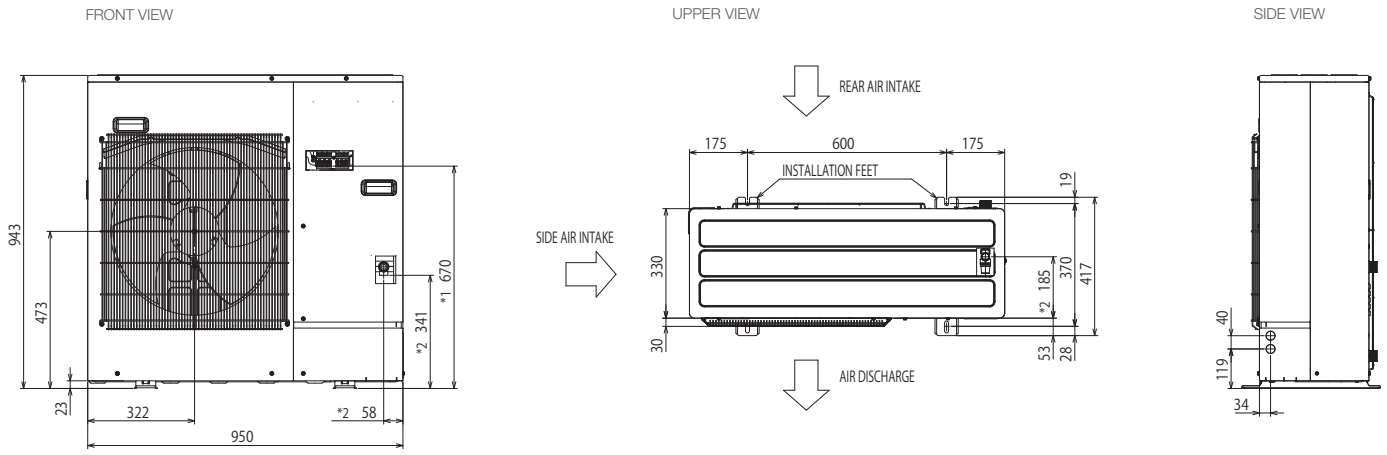
| OUTDOOR UNIT | | PUZ-WM50VHA(-BS) |
|---|---|---|
| HEAT PUMP SPACE HEATER - 55˚C | ErP Rating | A++ |
| | $\eta_s$ | 129% |
| | SCOP (MCS) | 3.22 |
| HEAT PUMP SPACE HEATER - 35˚C | ErP Rating | A+++ |
| | $\eta_s$ | 183% |
| | SCOP (MCS) | 4.57 |
| HEAT PUMP COMBINATION HEATER - Large Profile*1 | ErP Rating | A+ |
| | $\eta_{wh}$ | 135% |
| HEATING*2 (A-7/W35) | Capacity (kW) | 5.0 |
| | Power Input (kW) | 1.67 |
| | COP | 3.00 |
| OPERATING AMBIENT TEMPERATURE (°C DB) | | -20 ~ +35 |
| SOUND DATA*3 | Pressure Level at 1m (dBA) | 52 |
| | Power Level (dBA)*4 | 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*7 |
| | Height | 943 |
| WEIGHT (kg) | | 71 |
| ELECTRICAL DATA | Electrical Supply | 220-240v, 50Hz |
| | Phase | Single |
| | Nominal Running Current [MAX] (A)*5 | 4.64 [13] |
| | Fuse Rating - MCB Sizes (A)*6 | 16 |
| REFRIGERANT CHARGE (kg) / $CO_2$ EQUIVALENT (t) | R32 (GWP 675) | 2.0 / 1.35 |

## NOMINAL HEATING CAPACITY




**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: 7ºC, outlet water temp: 35ºC.
*6 MCB Sizes BS EN60898-2 & BS EN60947-2.
*7 Grille.
$\eta_s$ is the seasonal space heating energy efficiency (SSHEE) $\eta_{wh}$ is the water heating energy efficiency

## PUZ-WM50VHA(-BS) DIMENSIONS




All dimensions (mm)

*1··· INDICATION OF TERMINAL CONNECTION LOCATION.
*2··· INDICATION OF PRESSURE RELIEF VALVE DRAIN PORT.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*Changes for the Better*

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**Note:** Refer to 'Installation Manual' and 'Instruction Book' for further 'Technical Information'. The fuse rating is for guidance only and 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**

Green Gateway greengateway.mitsubishielectric.co.uk