

# PUZ-WZ50VAA(-BS)

Ecodan R290

**Monobloc** Air Source Heat Pump

# R290

## Key Features:

- A+++ heating efficiency
- Ultra quiet noise levels
- MELCloud enabled
- High water temperature of up to 75°C
- Fully electric source of heating and hot water

## Key Benefits:

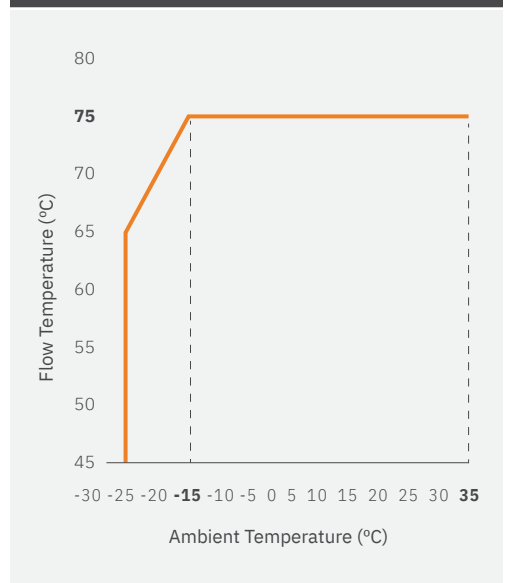
- Minimised energy consumption
- Flexible product placement
- Remote control, monitoring, maintenance and technical support
- Ideal for energy storage
- Zero carbon ready



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

OUTDOOR UNIT		PUZ-WZ50VAA(-BS)
HEAT PUMP SPACE HEATER - 55°C	ErP Rating	A++
	$\eta_s$	138%
	SCOP (MCS)	3.53
HEAT PUMP SPACE HEATER - 35°C	ErP Rating	A+++
	$\eta_s$	182%
	SCOP (MCS)	4.62
HEAT PUMP COMBINATION HEATER - Large Profile <sup>1</sup>	ErP Rating	A+
	$\eta_{wh}$	143%
HEATING <sup>2</sup> (A-7/W35)	Capacity (kW)	5.2
	Power Input (kW)	1.94
	COP	2.68
OPERATING AMBIENT TEMPERATURE (°C DB)		-25 ~ +46
MAXIMUM WATER OUTLET TEMPERATURE (°C)		75
SOUND DATA <sup>3</sup>	Pressure Level at 1m (dBA)	40
	Power Level (dBA) <sup>4</sup>	56
WATER DATA	Pipework Size (mm)	22
	Flow Rate (l/min)	14
	Water Pressure Drop (kPa)	18.16
DIMENSIONS (mm)	Width	1020
	Depth	1050
	Height	480
WEIGHT (kg)		89
ELECTRICAL DATA	Electrical Supply	220-240v 50Hz
	Phase	Single
	Nominal Running Current [MAX] (A) <sup>5</sup>	13
	Fuse Rating - MCB Sizes (A) <sup>6</sup>	16
REFRIGERANT CHARGE (kg) / CO <sub>2</sub> EQUIVALENT (t)	R290 (GWP 3)	0.6 / 0.0018

### FLOW TEMPERATURE

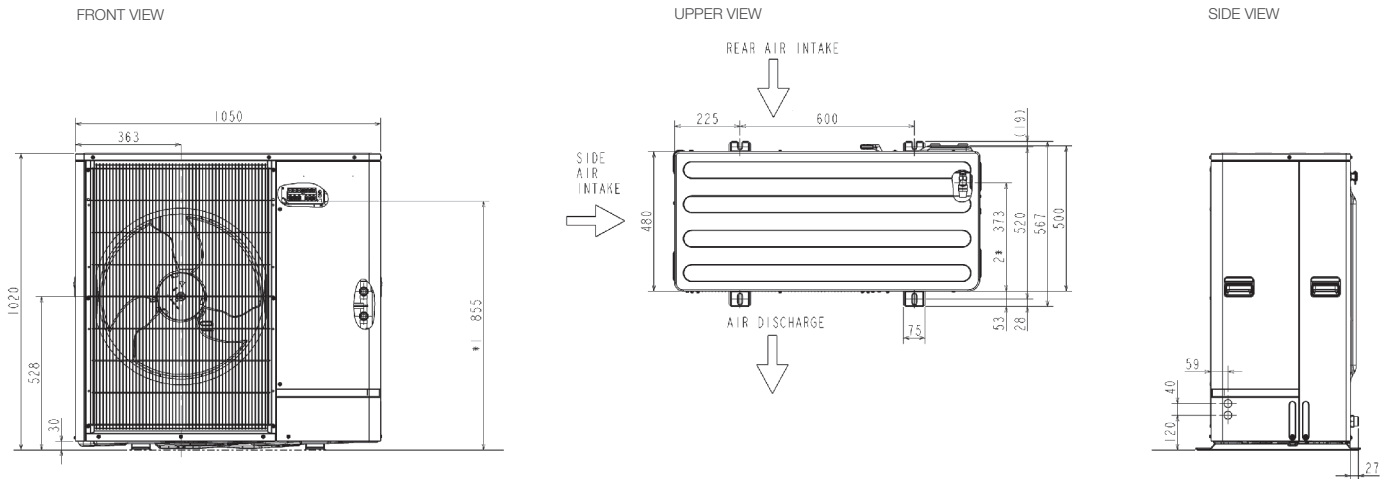


#### NOTES:

- \*1 Combination with EHPT20X-MEHEW 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 & BS EN60947-2.
- $\eta_s$  is the seasonal space heating energy efficiency (SSHEE)  $\eta_{wh}$  is the water heating energy efficiency

### PUZ-WZ50VAA(-BS) DIMENSIONS

All dimensions (mm)



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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 October 2023

