

# Ecodan R290

## Monobloc Air Source Heat Pump

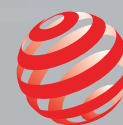
# R290

### Key Features:

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

### Key Benefits:

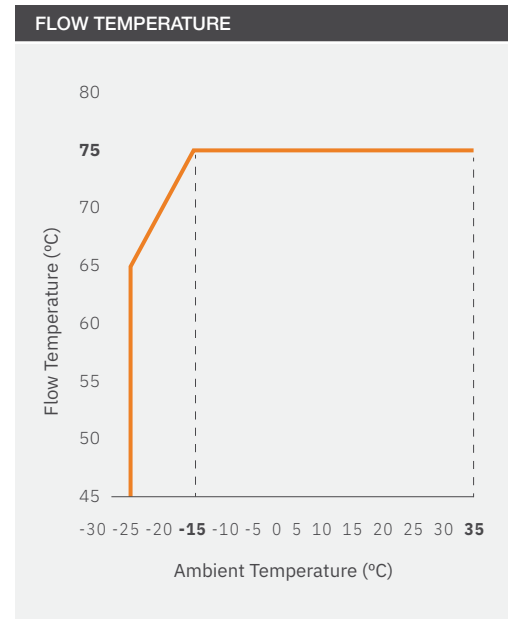
- Minimised energy consumption
- Flexible product placement
- Remote control, monitoring, maintenance and technical support
- Ideal for energy storage
- Zero carbon ready



reddot design award

ecodan®  
Renewable Heating Technology

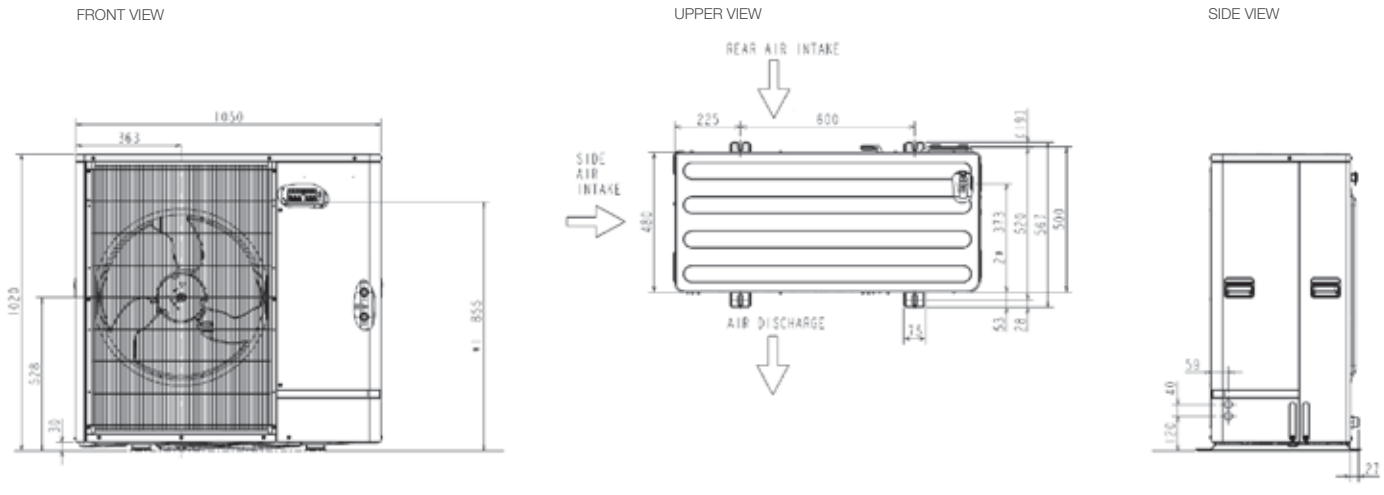
OUTDOOR UNIT		PUZ-WZ80VAA(-BS)
HEAT PUMP SPACE HEATER - 55°C	ErP Rating	A++ (Range A+++ to D)
	$\eta_s$	140%
	SCOP (MCS)	3.45
HEAT PUMP SPACE HEATER - 35°C	ErP Rating	A+++ (Range A+++ to D)
	$\eta_s$	176%
	SCOP (MCS)	4.35
HEAT PUMP COMBINATION HEATER - Large Profile <sup>1</sup>	ErP Rating	A+ (Range A+ to F)
	$\eta_{wh}$	134%
HEATING <sup>2</sup> (A-7/W35)	Capacity (kW)	8.2
	Power Input (kW)	3.51
	COP	2.28
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>	58
WATER DATA	Pipework Size (mm)	28
	Flow Rate (l/min)	23
	Water Pressure Drop (kPa)	32.22
DIMENSIONS (mm)	Width	1050
	Depth	480
	Height	1020
WEIGHT (kg)		117
ELECTRICAL DATA	Electrical Supply	220-240v 50Hz
	Phase	Single
	Nominal Running Current [MAX] (A) <sup>5</sup>	22
	Fuse Rating - MCB Sizes (A) <sup>6</sup>	25
REFRIGERANT CHARGE (kg) / CO <sub>2</sub> EQUIVALENT (t)	R290 (GWP 3)	1.0 / 0.009



**NOTES:**

- <sup>1</sup> Combination with EHPT20X-MEHEW Cylinder
  - <sup>2</sup> Under normal heating conditions at outdoor temp: -7°CDB / -8°CWB, outlet water temp 35°C, inlet water temp 30°C.
  - <sup>3</sup> 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.
  - <sup>4</sup> Sound power level tested to BS EN12102.
  - <sup>5</sup> Under nominal heating conditions at outdoor temp: 7°C, outlet water temp: 35°C.
  - <sup>6</sup> 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-WZ80VAA(-BS) DIMENSIONS** All dimensions (mm)



Telephone: 01707 282880  
email: [heating@meuk.mee.com](mailto:heating@meuk.mee.com)  
[ecodan.co.uk](http://ecodan.co.uk)

- @Ecodanheating
- Mitsubishi Electric Heating UK
- Mitsubishi Electric Heating UK
- Mitsubishi Electric Ecodan
- Mitsubishi Electric Heating UK
- [thehub.mitsubishielectric.co.uk](http://thehub.mitsubishielectric.co.uk)

UNITED KINGDOM Mitsubishi Electric Europe Living Environment Systems Division, Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, England. Telephone: 01707 282880 Fax: 01707 278881  
IRELAND Mitsubishi Electric Europe, Westgate Business Park, Ballymount, Dublin 24, Ireland. Telephone: (01) 419 8800 Fax: (01) 419 8890 International code: (003531)

Country of origin: United Kingdom - Japan - Thailand - Malaysia. ©Mitsubishi Electric Europe 2023. Mitsubishi and Mitsubishi Electric are trademarks of Mitsubishi Electric Europe B.V. The company reserves the right to make any variation in technical specification to the equipment described, or to withdraw or replace products without prior notification or public announcement. Mitsubishi Electric is constantly developing and improving its products. All descriptions, illustrations, drawings and specifications in this publication present only general particulars and shall not form part of any contract. All goods are supplied subject to the Company's General Conditions of Sale, a copy of which is available on request. Third-party product and brand names may be trademarks or registered trademarks of their respective owners.

**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 January 2025

