

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:

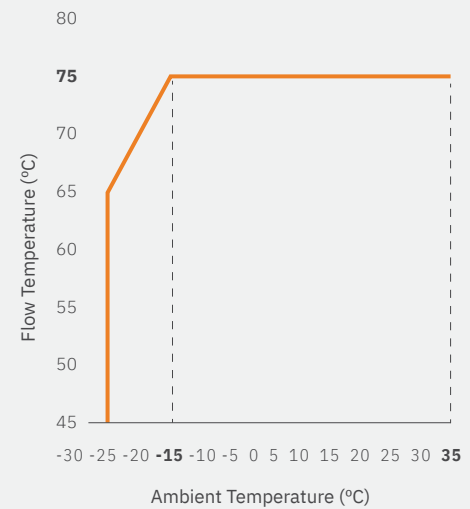
- Minimised energy consumption
- Flexible product placement
- Remote control, monitoring, maintenance and technical support
- Ideal for energy storage
- Zero carbon ready



ecodan[®]
Renewable Heating Technology

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

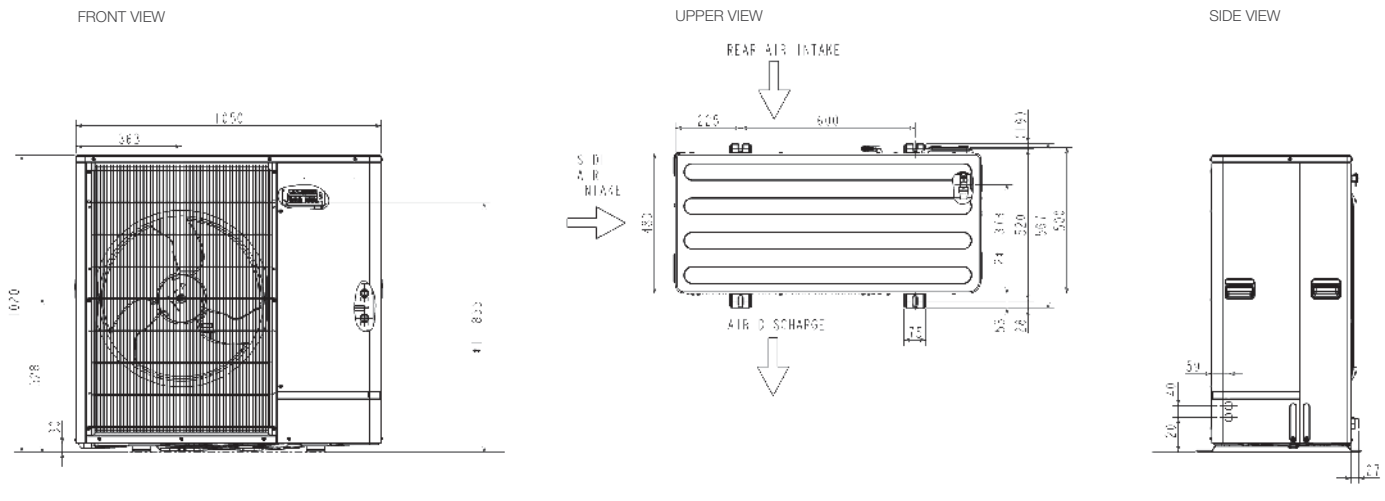
*5 Under nominal heating conditions at outdoor temp: 7°C, outlet water temp: 35°C.

*6 MCB Sizes BS EN60898-2 & BS EN60947-2.

η_s is the seasonal space heating energy efficiency (SSHEE) η_{wh} is the water heating energy efficiency

PUZ-WZ50VAA(-BS) DIMENSIONS

All dimensions (mm)



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IRELAND Mitsubishi Electric Europe, Westgate Business Park, Ballymount, Dublin 24, Ireland. Telephone: (01) 419 8800 Fax: (01) 419 8890 International code: (003531)

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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



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Key Benefits:

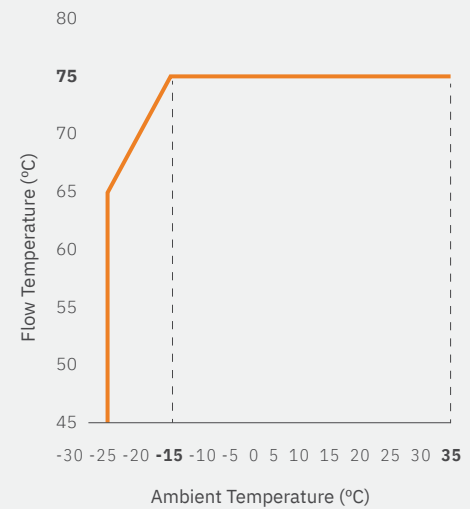
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HEAT PUMP SPACE HEATER - 55°C	ErP Rating	A++
	η_s	139%
	SCOP (MCS)	3.56
HEAT PUMP SPACE HEATER - 35°C	ErP Rating	A+++
	η_s	179%
	SCOP (MCS)	4.55
HEAT PUMP COMBINATION HEATER - Large Profile ¹	ErP Rating	A+
	η_{wh}	143%
	Capacity (kW)	6.2
HEATING ² (A-7/W35)	Power Input (kW)	2.51
	COP	2.47
OPERATING AMBIENT TEMPERATURE (°C DB)		-25 ~ +46
MAXIMUM WATER OUTLET TEMPERATURE (°C)		75
SOUND DATA ³	Pressure Level at 1m (dBA)	40
	Power Level (dBA) ⁴	56
	Pipework Size (mm)	22
WATER DATA	Flow Rate (l/min)	17
	Water Pressure Drop (kPa)	26
	Width	1020
DIMENSIONS (mm)	Depth	1050
	Height	480
	Weight (kg)	89
ELECTRICAL DATA	Electrical Supply	220-240v 50Hz
	Phase	Single
	Nominal Running Current [MAX] (A) ⁵	13
	Fuse Rating - MCB Sizes (A) ⁶	16
REFRIGERANT CHARGE (kg) / CO ₂ 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.

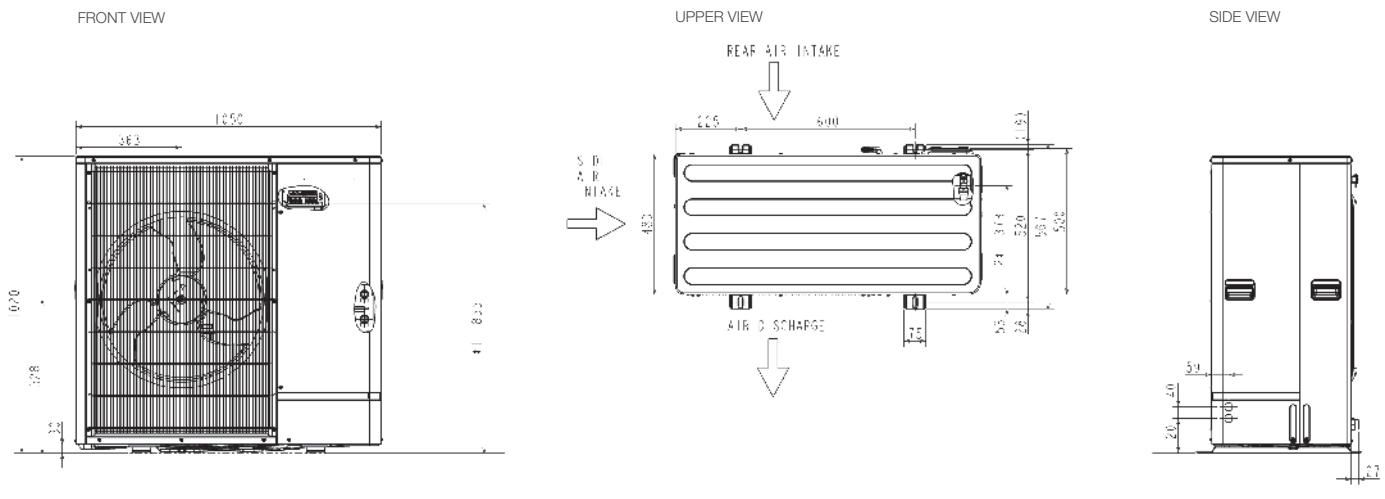
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*6 MCB Sizes BS EN60898-2 & BS EN60947-2.

 η_s is the seasonal space heating energy efficiency (SSHEE) η_{wh} is the water heating energy efficiency

PUZ-WZ60VAA(-BS) DIMENSIONS

All dimensions (mm)



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Effective as of October 2023



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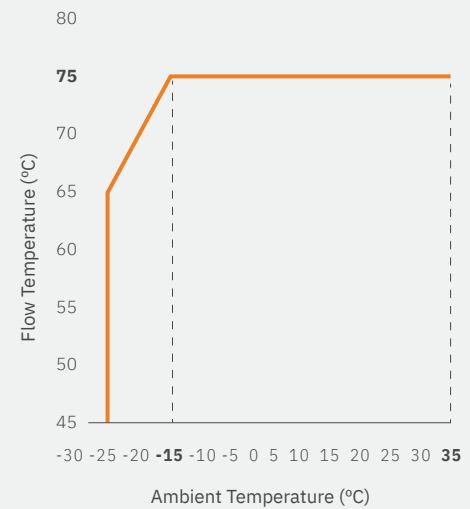
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	SCOP (MCS)	3.56
HEAT PUMP SPACE HEATER - 35°C	ErP Rating	A+++
	η_s	176%
	SCOP (MCS)	4.49
HEAT PUMP COMBINATION HEATER - Large Profile ¹	ErP Rating	A+
	η_{wh}	134%
	Capacity (kW)	8.2
HEATING ² (A-7/W35)	Power Input (kW)	3.51
	COP	2.28
OPERATING AMBIENT TEMPERATURE (°C DB)		-25 ~ +46
MAXIMUM WATER OUTLET TEMPERATURE (°C)		75
SOUND DATA ³	Pressure Level at 1m (dBA)	40
	Power Level (dBA) ⁴	58
	Pipework Size (mm)	28
WATER DATA	Flow Rate (l/min)	23
	Water Pressure Drop (kPa)	32.22
	Width	1020
DIMENSIONS (mm)	Depth	1050
	Height	480
	WEIGHT (kg)	117
ELECTRICAL DATA	Electrical Supply	220-240v 50Hz
	Phase	Single
	Nominal Running Current [MAX] (A) ⁵	22
	Fuse Rating - MCB Sizes (A) ⁶	25
REFRIGERANT CHARGE (kg) / CO ₂ EQUIVALENT (t)		R290 (GWP 3) 1.0 / 0.009

FLOW TEMPERATURE



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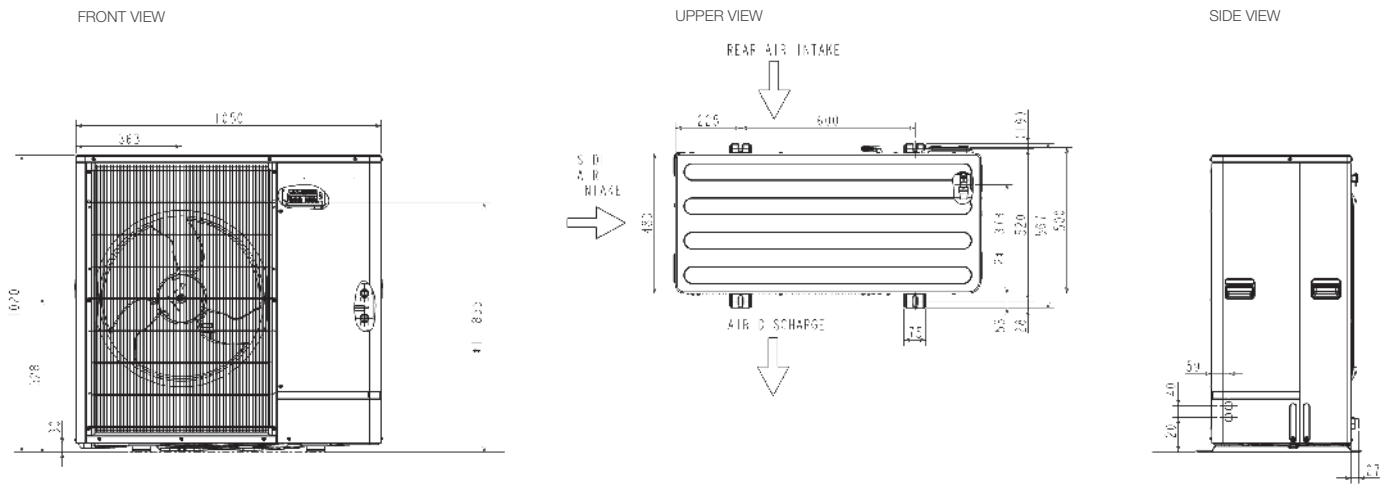
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All dimensions (mm)



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