Heating | Product Information

MITSUBISHI ELECTRIC

Ecodan R290

Monobloc Air Source Heat Pump

R290

Key Features:

- A+++ heating efficiency (Range A+++ to D)
- Ultra quiet noise levels
- MELCloud Home 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

MELCloud HOME

Manufactured in the UK

037-0033-20-01

QUIET MARK

reddot design award

ecodan®
Renewable Heating Technology

ecodan.co.uk

Ecodan R290
Monobloc Air Source Heat Pump

OUTDOOR UNIT		PUZ-WZ85V/YAA	PUZ-WZ100V/YAA	PUZ-WZ120V/YAA
HEAT PUMP SPACE HEATER - 55˚C	ErP Rating	A++	A++	A++
	η_s	143%	141%	142%
	SCOP (MCS)	3.51	3.48	3.51
HEAT PUMP SPACE HEATER - 35˚C	ErP Rating	A+++	A+++	A+++
	η_s	183%	189%	192%
	SCOP (MCS)	4.47	4.62	4.71
HEAT PUMP COMBINATION HEATER - Large Profile*1	ErP Rating	A+	A+	A+
	η_{wh}	137%	129%	129%
HEATING*2 (A-7/W35)	Capacity (kW)	8.5	10.0	11.5
	COP	2.60	2.70	2.45
OPERATING AMBIENT TEMPERATURE (°C DB)		-25 ~ +46	-25 ~ +46	-25 ~ +46
MAXIMUM WATER OUTLET TEMPERATURE (°C)		75	75	75
SOUND DATA*3	Pressure Level at 1m (dBA)	40	40	40
	Power Level (dBA)*4	54	55	55
WATER DATA	Pipework Size (mm)	28	28	28
	Flow Rate (l/min)	27	34	34
DIMENSIONS (mm)	Width	1050	1050	1050
	Depth	480	480	480
	Height	1040	1040	1040
WEIGHT (kg)		103/117	120/131	120/131
ELECTRICAL DATA	Electrical Supply	220-240v, 50Hz / 400v	220-240v, 50Hz / 400v	220-240v, 50Hz / 400v
	Phase	Single / Three	Single / Three	Single / Three
	Nominal Running Current [MAX] (A)*5	21/12	28/12	35/12
	Fuse Rating - MCB Sizes (A)*6	25/16	32/16	40/16
REFRIGERANT CHARGE (kg) / CO_2 EQUIVALENT (t)	R290 (GWP 0.02)	0.60 / 0.000012	0.82 / 0.0000164	0.82 / 0.0000164

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.

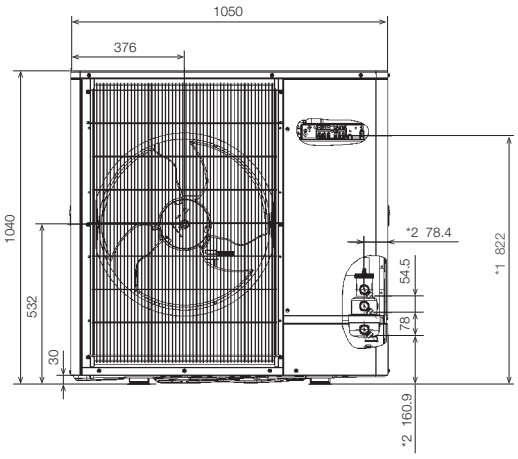
η_s is the seasonal space heating energy efficiency (SSHEE)

η_{wh} is the water heating energy efficiency

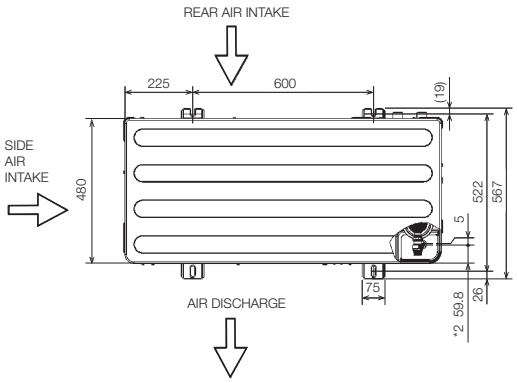
PUZ-WZ85/100/120V/YAA DIMENSIONS

All dimensions (mm)

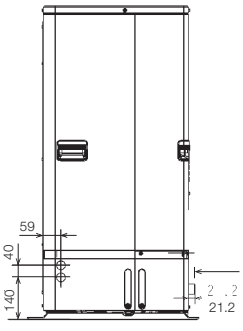
FRONT VIEW



TOP VIEW



SIDE VIEW



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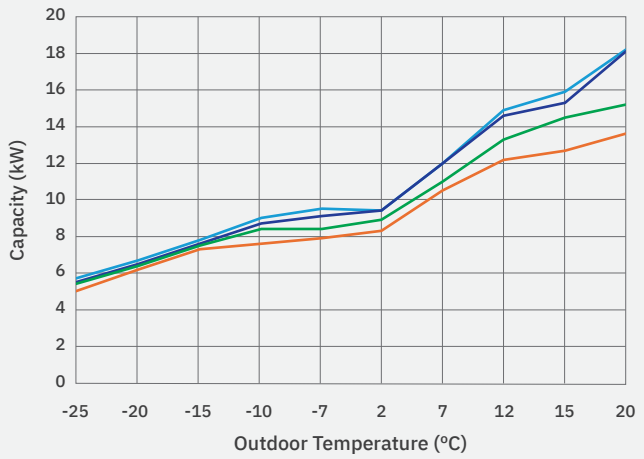
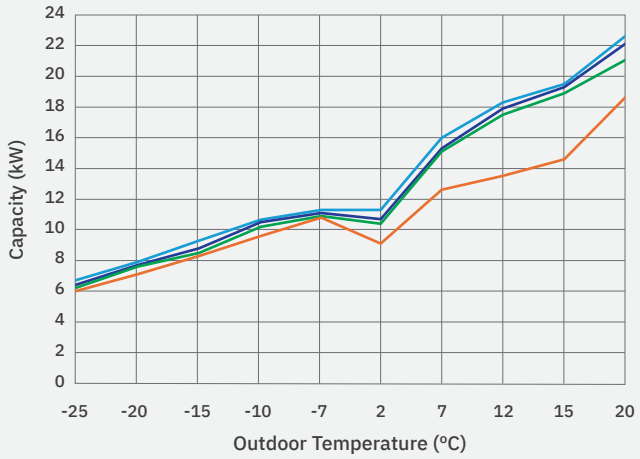
PUZ-WZ85V/YAA CAPACITIES



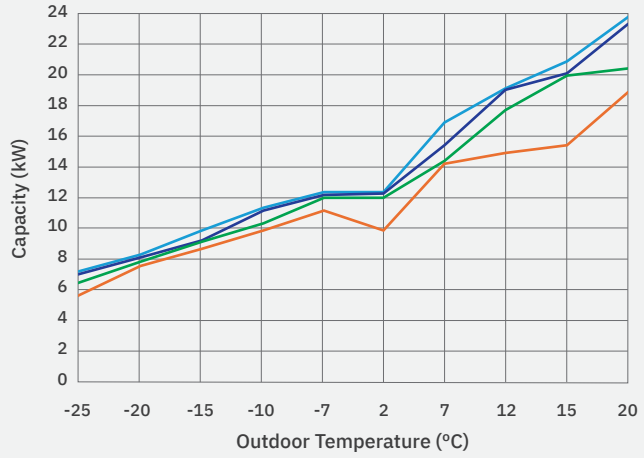
Includes anti-freeze cycling.

PUZ-WZ100V/YAA CAPACITIES



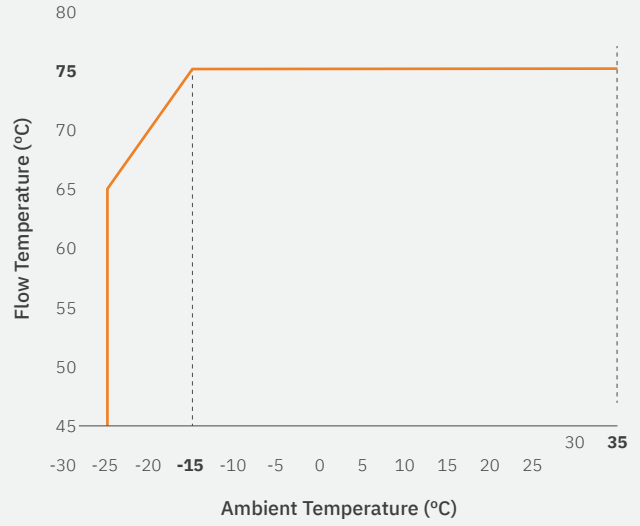
Includes anti-freeze cycling.

PUZ-WZ120V/YAA CAPACITIES



Includes anti-freeze cycling.

FLOW TEMPERATURE



MITSUBISHI ELECTRIC
Changes for the Better

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Note: 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), R515B (GWP:292), R454C (GWP:148), R1234ze (GWP:7) or R1234yf (GWP:4). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a hydrocarbon, R290 (GWP:0.02). *These GWP values are based on IPCC 6th edition.

Effective as of April 2025

Green Gateway greengateway.mitsubishielectric.co.uk