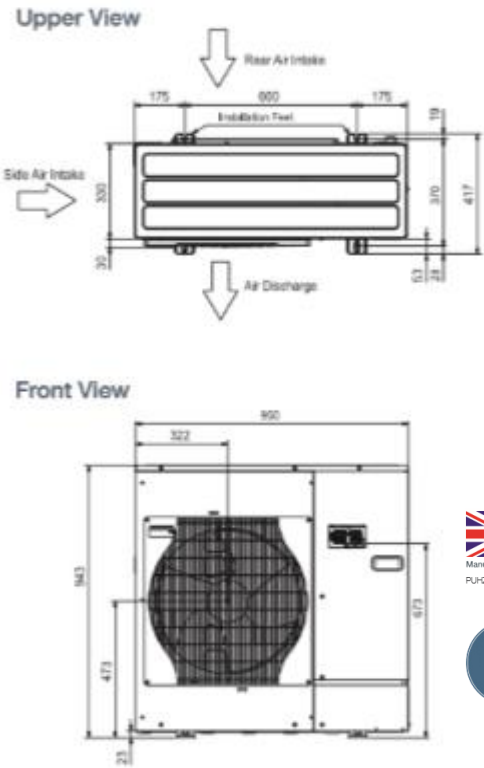


# THE RENEWABLE ENERGY SPECIALISTS



Product Information – Mitsubishi 8.5kW (PUHZ-W85VHA2)



Currently the popular unit in the Ecodan range is the W85 which is proving ideal for use in both newly built homes and existing homes too. Able to work at variable capacities, the W85 offers the widest scope to cater for the majority of applications



### Key Features:

- Self-contained unit only requiring water and electric connections
- No need for gas supply, flues, ventilation
- Single phase power supply with a low starting current
- Reduced VAT to 5% for domestic applications (Zero VAT for new build)
- Helps achieve Level 4 of the Code for Sustainable Homes
- Operates with outside temperatures as low as -20°C
- Available as a stand-alone or complete packaged system
- Market leading capacity performance at low outdoor temperatures
- Recognised by the Noise Abatement Society for industry leading low noise levels
- Hybrid function, for use with conventional boilers
- Energy monitoring as standard



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OUTDOOR UNIT		PUHZ-W85VHA2(-BS)
Heat Pump Space Heater - 55°C	ErP Rating	A++
	n <sub>s</sub>	128%
	SCOP	3.27
Heat Pump Space Heater - 55°C	ErP Rating	A++
	n <sub>s</sub>	162%
	SCOP	4.12
Heat Pump Combination Heater – Large Profile* <sup>1</sup>	ErP Rating	A
	n <sub>wh</sub>	97%
Heating* <sup>2</sup>	Capacity (kW)	8.3
	Power Input (kW)	2.96
	COP	2.80
Operating Ambient Temperature (°C DB)		-20 ~ +35°C
Sound Pressure Level at 1M (dBA)* <sup>3*4</sup>		48
Low Noise Mode (dBA) * <sup>3</sup>		42
Water Data	Pipework Size (mm)	22
	Flow Rate (l/min)	25.8
	Water Pressure Drop (kPa)	13.5
Dimensions (mm)* <sup>7</sup>	Width	950
	Depth	330+30* <sup>5</sup>
	Height	943
Weight (kg)		77
Electrical Data	Electrical Supply	220-240v, 50Hz
	Phase	Single
	Nominal Running Current [MAX] (A)	10.3 [29.5]
	Fuse Rating – MCB Sizes (A)* <sup>6</sup>	25

\*1 Combination with EHPT20X-MHCW Cylinder

\*2 Under normal heating conditions at outdoor temp: -3°CDB/-4°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 35°C, inlet water temp 30°C as tested to BS EN14511

\*4 Sound power level of the PUHZ-W50VHA2 is 61dBA, PUHZ-W85VHA2 is 62.5dBA, PUHZ-W112VHA is 65dBA, PUHZ-HW140VHA2 is 65.5dBA, PUHZ-HW140YHA2 is 67.5dBA. Tested to BS EN12102.

\*5 Grille

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

\*7 Flow Temperature Controller (FTC) for standalone systems PAC-IF062B-E Dimensions WxDxH (mm) - 520x150x450

n<sub>s</sub> is the seasonal space heating energy efficiency (SSHEE) n<sub>wh</sub> is the water heating energy efficiency

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