

Packaged space heating and domestic hot water hydrobox for use with Ecodan monobloc air source heat pumps

The packaged hydrobox offers a highly adaptable heating solution for retrofit or new build.

Designed specifically by Mitsubishi Electric to integrate with the Ecodan monobloc air source heat pump range and a third party cylinder, the hydrobox provides hydraulic components with an advanced simplified graphical user interface and controls. Fast commissioning via an SD card and energy monitoring functions are now included.

Key Features

- Simple graphical control
- 2-zone energy efficient space heating control
- Sleek modern design
- Compatible with Mitsubishi Electric wireless room controllers
- Pre-plumbed and wired for faster installation
- Hybrid function, for use with conventional boilers
- SD card commissioning
- Cascade function for multiple unit control
- Energy monitoring as standard



Air Conditioning | Heating
Ventilation | Controls



Heating

Product Information

EHPX-VM2C

FTC5 Packaged Hydrobox for Ecodan Monobloc Units

Making a World of Difference



ADVANCED CONTROLLER – WITH ENERGY MONITORING



Mitsubishi Electric's fifth generation controller (FTC5) includes intelligent room temperature control as standard. This together with advanced weather compensation ensures the system delivers efficient, comfortable heating regardless of the season. FTC5 now also includes energy monitoring showing consumed and produced energy.

HYDROBOX		EHPX-VM2C
OPERATING AMBIENT TEMPERATURE (°C DB)		0 – +35°C (RH<80%)
SOUND PRESSURE LEVEL AT 1M (dBA)		28
WATER DATA		
	Flow Rate (l/min) W50 - W85 - W112 - HW140	14.3 - 25.8 - 32.1 - 40.1
	Pump	Grundfos UPM2 15 70 - 130
	Connection Size (mm)	28
	Primary Expansion Vessel (Litres)	10
	Charge Pressure (MPa (Bar))	0.1 (1)
WATER SAFETY DEVICES		
	Control Thermistor (°C)	1 - 80
	Pressure Relief Valve (Mpa (Bar))	0.3 (3)
	Flow Sensor (minimum flow 5L/min)	Supplied
	Booster Heater Control Thermistor (°C)	80
	Booster Heater Manual Reset Thermostat (°C)	90
	Booster Heater Thermal Cut Off (°C)	121
DIMENSIONS (mm)		
	Width	530
	Depth	360
	Height	800
WEIGHT EMPTY / FULL (kg)		37 / 42
ELECTRICAL DATA		
Control Board - optionally powered by outdoor unit	Electrical Supply	220-240v, 50Hz
	Phase	Single
	Fuse Rating - MCB Sizes (A)*	10
Booster Heater - optionally powered if required	Electrical Supply	220-240v, 50Hz
	Phase	Single
	Capacity (kW)	2
	Max Running Current (A)	9
	Fuse Rating - MCB Sizes (A)*	16

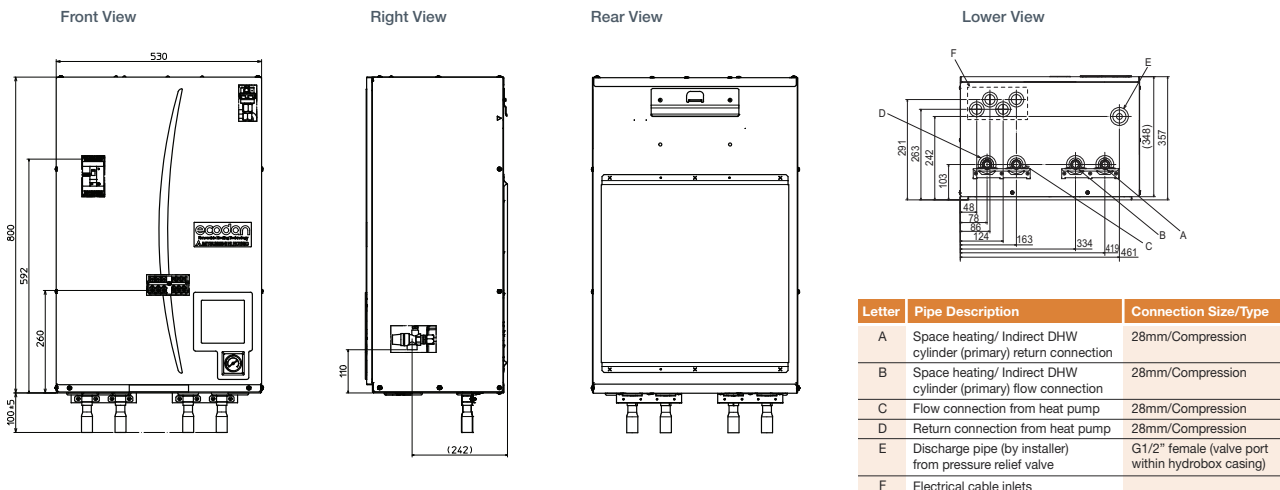
OPTIONAL SIMPLIFIED WIRELESS ROOM THERMOSTAT AND WIRELESS RECEIVER

PAR-WT50-E Controller and PAR-WR51-E Receiver

Hydrobox includes: Flow Temperature Controller (FTC5) with Main Controller and Temperature Sensors, Water Circulation Pump, Flow Sensor and Expansion Vessel.

*1 MCB Sizes BS EN60898-2 & BS EN60947-2

DIMENSIONS



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