

Space heating and domestic hot water hydrobox for use with Ecodan split air source heat pumps

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

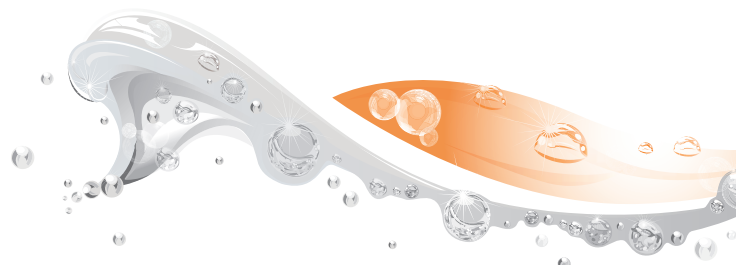
Designed specifically by Mitsubishi Electric to integrate with the Ecodan split air source heat pump range and a third party cylinder. The split hydrobox provides hydraulic components with an advanced simplified graphical user interface and controls. Fast commissioning via an SD card and energy monitoring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





#### ADVANCED CONTROLLER – WITH ENERGY MONITORING



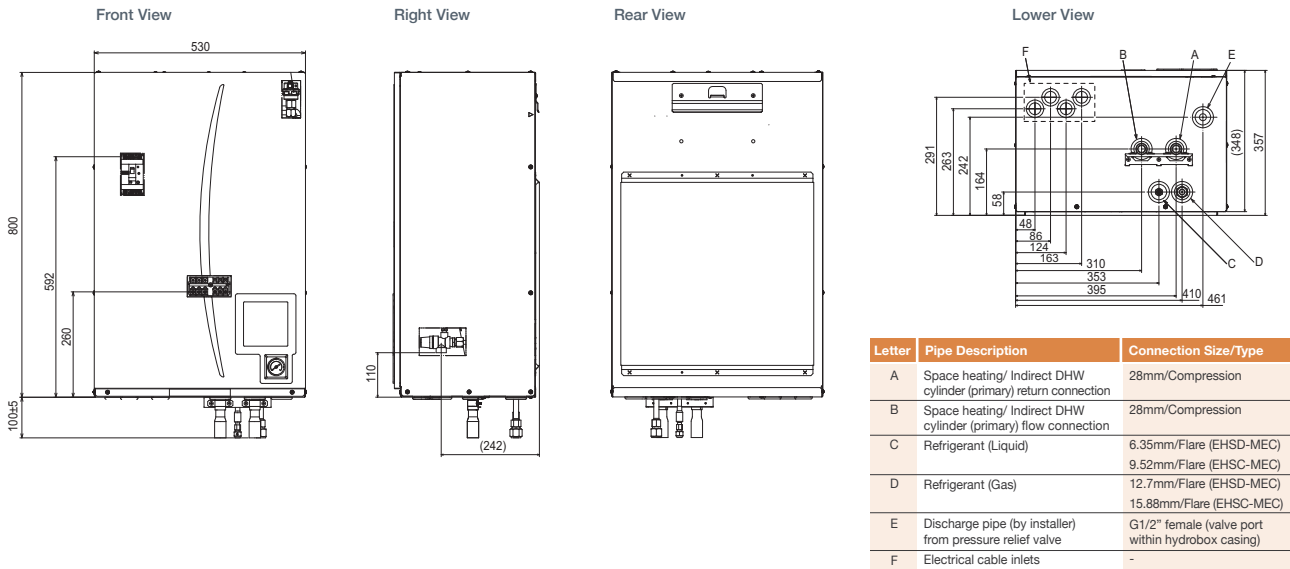
Mitsubishi Electric's fifth generation controller (FTC5) includes intelligent room temperature control as standard. This together with advanced weather compensation ensures the system delivers efficient, comfortable heating regardless of the season. FTC5 now also includes energy monitoring showing consumed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

HYDROBOX		EHSD-MEC	EHSC-MEC	
HEAT PUMP SPACE HEATER - 55°C	ErP Rating	A++	A++ / A++	
HEAT PUMP SPACE HEATER - 35°C	ErP Rating	A++	A++ / A++	
OPERATING AMBIENT TEMPERATURE (°C DB)		0 ~ +35°C (RH<80%)	0 ~ +35°C (RH<80%)	
APPLICABLE OUTDOOR UNITS		PUHZ-SW50VKA(-BS)	PUHZ-SW75VHA(-BS) / PUHZ-SW120VHA(-BS)	
SOUND PRESSURE LEVEL AT 1M (dBA)		28	28	
WATER DATA	Flow Rate (l/min)	11.8 (SW50)	22.9 (SW75) / 45.9 (SW120)	
	Pump	Grundfos UPM2 15 70 - 130	Grundfos UPM2 15 70 - 130	
	Connection Size (mm)	28	28	
	Charge Pressure (MPa (Bar))	0.1 (1)	0.1 (1)	
WATER SAFETY DEVICES	Control Thermistor (°C)	1 - 80	1 - 80	
	Pressure Relief Valve (MPa (Bar))	0.3 (3)	0.3 (3)	
	Flow Switch	Supplied	Supplied	
DIMENSIONS (mm)	Width	530	530	
	Depth	360	360	
	Height	800	800	
WEIGHT EMPTY / FULL (kg)		38 / 44	42 / 49	
REFRIGERANT	Type	R410A	R410A	
	Connection Size - Gas/Liquid (mm (in))	12.7 (1/2") / 6.35 (1/4")	15.88 (5/8") / 9.52 (3/8")	
	Connection Type	Flared	Flared	
ELECTRICAL DATA	Control Board - optionally powered by outdoor unit	Electrical Supply	220-240V, 50Hz	220-240V, 50Hz
		Phase	Single	Single
		Fuse Rating - MCB Sizes (A) <sup>1</sup>	10	10
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 and Flow Sensor.

<sup>1</sup> MCB Sizes BS EN60898-2 & BS EN60947-2

#### DIMENSIONS



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