## |

### **Product Information**

# Heating

#### **EHPT20X-MHCW**

FTC5 Packaged Cylinder for Ecodan Monobloc Units

Making a World of Difference



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





The packaged cylinder 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. The cylinder provides improved performance and faster heat up times through the use of plate heat exchanger technology. Fast commissioning via an SD card and energy monitoring functions are now included.

#### **Key Features**

- Simple graphical control
- Optional 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





#### **Product Information**



#### **EHPT20X-MHCW**

FTC5 Packaged Cylinder for Ecodan Monobloc Units

Making a World of Difference

#### ADVANCED CONTROLLER – WITH ENERGY MONITORING



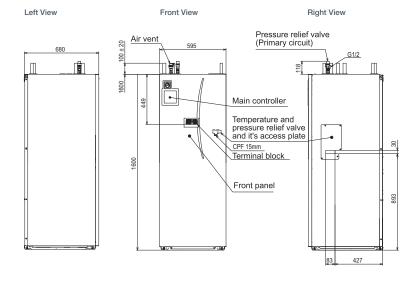
Mitsubishi Electric's fifth generation controller (FTC5) includes intelligent room temperature control as standard. This together with advanced weather compensation ensures the system delivers efficient, comfortable heating regardless of the season. FTC5 now also includes energy monitoring showing consumed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

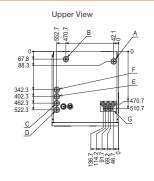


CYLINDER			EHPT20X-MHCW
NOMINAL HOT WATER VOLUME (LITRES)			200
OPERATING AMBIENT TEMPERATURE (°C DB)			0 ~ +35°C (RH<80%)
SOUND PRESSURE LEVEL AT 1M (dBA)			28
WATER DATA		Flow Rate (I/min) W50 - W85 - W112 - HW140	14.3 - 25.8 - 32.1 - 40.1
		Primary Pump	Grundfos UPM2 15 70 - 130
		Sanitary Hot Water Pump	Grundfos UPSO 15-60 130 CIL2
		Connection Size (mm) Heating / DHW	28 / 22
		Primary Expansion Vessel (Litres)	12
		Charge Pressure (MPa (Bar))	0.1 (1)
WATER SAFETY DEVICES	Water Circuit	Control Thermistor (°C)	1 - 80
		Pressure Relief Valve (MPa (Bar))	0.3 (3)
		Flow Sensor (minimum flow 5L/min)	Supplied
	DHW Cylinder	Control Thermistor (°C)	40-70
		Temp and Pressure Relief Valve (°C)/ (MPa (Bar))	90 / 0.7 (7)
DIMENSIONS (mm)	·	Width	680
		Depth	595
		Height	1600
WEIGHT EMPTY / FULL (kg)			98 / 307
ELECTRICAL DATA	Control Board -	Electrical Supply	220-240v, 50Hz
	optionally powered	Phase	Single
	by outdoor unit	Fuse Rating - MCB Sizes (A)"	10
	Immersion Heater	Electrical Supply	220-240v, 50Hz
		Phase	Single
		Capacity (kW)	3
		Max Running Current (A)	13
		Fuse Rating - MCB Sizes (A)"	16
MECHANICAL ZONES			DHW and 1 Heating Zone <sup>-2</sup>
OPTIONAL SIMPLIFIED WIRELESS ROOM THERMOSTAT AND WIRELESS RECEIVER			PAR-WT50-E Controller and PAR-WR51-E Receiver

Cylinder includes: Flow Temperature Controller (FTC5) with Main Controller and Temperature Sensors, Pumps & Valves for Zone 1 and DHW use, Flow Sensor, Plate Heat Exchanger, Scale Trap, 3kW Immersion Heater and Expansion Ves \*1 MCB Sizes BS EN60898-2 & BS EN60947-2 \*2 Optional 2 zone accessory pack available

#### **DIMENSIONS**





Letter	Pipe Description	Connection Size/Type
Α	DHW outlet connection	22mm/Compression
В	Cold water inlet connection	22mm/Compression
С	Space heating return connection	28mm/Compression
D	Space heating flow connection	28mm/Compression
E	Flow from heat pump connection	28mm/Compression
F	Return to heat pump connection	28mm/Compression
G	Electrical cable inlets	



## Premier Technology Engineering Ltd.,

Shinagh, Bandon, Co. Cork P72 HD29, Ireland. Tel; 023 8841028.

info@premiertechnology.ie www.premiertechnology.ie

ake any variation in technical specification to the equipment described, or to without perior position or public amount perior and this ubish is lectric are trademarks of Mitsubish is lectric Europe B.V. The company reserves the wind any variation in technical specification to the equipment described, or to without over or pelace products without prior notification or public amount content. Mitsubish is lectric is constantly developing ying its products. All descriptions, is sustations, dawning and specification present only general particulars and not form part of any contract. All goods are supplied subject to any seem of conditions of Sale, a copy of which is available on request. Third-party product and brand names may be trademarks or registered trademarks of their respective owners.













Mitsubishi Electric UK's commitment to the environment





