Heating

Product Information

EHST20(D)(C)-MHCW

FTC5 Cylinders for Ecodan Split Units

Making a World of Difference

FTC5 Energy Monitoring NOW INCLUDED

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

Manufactured in the UK

MELCloud

The split cylinders offer a highly adaptable heating solution for retrofit or new build.

Designed specifically by Mitsubishi Electric to operate with the Ecodan split air source heat pump range, the split 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

- No hydrobox required
- 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

MITSUBISHI ELECTRIC

Air Conditioning | Heating
Ventilation | Controls

ecodan®
Renewable Heating Technology

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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.

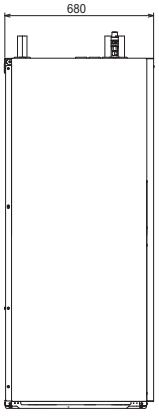
CYLINDER			EHST20D-MHCW	EHST20C-MHCW
NOMINAL HOT WATER VOLUME (LITRES)			200	200
APPLICABLE OUTDOOR UNIT			PUHZ-SW40VHA	PUHZ-SW75VHA / PUHZ-SW120VHA
OPERATING AMBIENT TEMPERATURE (°C DB)			0 ~ +35°C (RH<80%)	0 ~ +35°C (RH<80%)
SOUND PRESSURE LEVEL AT 1M (dBA)			28	28
WATER DATA		Flow Rate (l/min)	11.8 (SW40)	22.9 (SW75) / 45.9 (SW120)
		Primary Pump	Grundfos UPM2 15 70 - 130	Grundfos UPM2 15 70 - 130
		Sanitary Hot Water Pump	Grundfos UPSO 15-60 130 CIL2	Grundfos UPSO 15-60 130 CIL2
		Connection Size (mm) Heating / DHW	28 / 22	28 / 22
		Primary Expansion Vessel (Litres)	12	12
		Charge Pressure (MPa (Bar))	0.1 (1)	0.1 (1)
WATER SAFETY DEVICES	Water Circuit	Control Thermistor (°C)	1 - 80	1 - 80
		Pressure Relief Valve (MPa (Bar))	0.3 (3)	0.3 (3)
		Flow Sensor (minimum flow 5L/min)	Supplied	Supplied
	DHW Cylinder	Control Thermistor (°C)	40-70	40-70
		Temp and Pressure Relief Valve (°C)/ (MPa (Bar))	90 / 0.7 (7)	90 / 0.7 (7)
DIMENSIONS (mm)		Width	680	680
		Depth	595	595
		Height	1600	1600
WEIGHT EMPTY / FULL (kg)			103 / 312	110 / 320
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)*1	10	10
	Immersion Heater	Electrical Supply	220-240v, 50Hz	220-240v, 50Hz
		Phase	Single	Single
		Capacity (kW)	3	3
		Max Running Current (A)	13	13
		Fuse Rating - MCB Sizes (A)*1	16	16
MECHANICAL ZONES			DHW and 1 Heating Zone*2	DHW and 1 Heating Zone*2
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 Vessel.

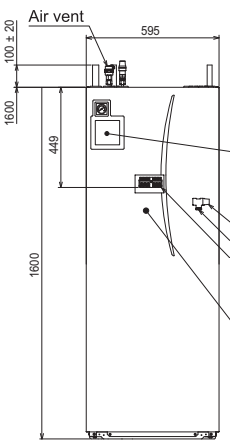
*1 MCB Sizes BS EN60898-2 & BS EN60947-2 *2 Optional 2 zone accessory pack available

DIMENSIONS

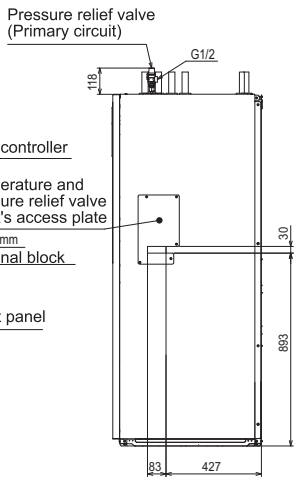
Left View



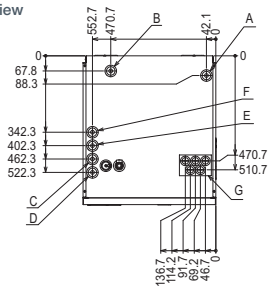
Front View



Right View



Upper View



Letter	Pipe Description	Connection Size/Type
A	DHW outlet connection	22mm/Compression
B	Cold water inlet connection	22mm/Compression
C	Space heating return connection	28mm/Compression
D	Space heating flow connection	28mm/Compression
E	Refrigerant (GAS)	12.7mm/Flare (EHST20D-MHCW) 15.88mm/Flare (EHST20C-MHCW)
F	Refrigerant (LIQUID)	6.35mm/Flare (EHST20D-MHCW) 9.52mm/Flare (EHST20C-MHCW)
G	Electrical cable inlets	

MITSUBISHI ELECTRIC
Changes for the Better

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