

Heating

Product Information

EHPT15-30X-UKHCW

FTC5 Pre-plumbed Standard Cylinders
for Ecodan Monobloc Units

Making a
World of
Difference



Pre-plumbed space heating and domestic hot water cylinder for Ecodan monobloc air source heat pumps

The pre-plumbed standard cylinder comes complete with integrated hydraulic components and advanced controls.

Designed to integrate with the Ecodan monobloc air source heat pump range, the standard 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
- Compatible with Mitsubishi Electric wireless room controllers
- Pre-plumbed and wired for faster installation
- Hybrid function, for use with conventional boilers
- SD card commissioning
- Energy monitoring as standard



Air Conditioning | Heating
Ventilation | Controls



ecodan[®]
Renewable Heating Technology

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ADVANCED CONTROLLER – WITH ENERGY MONITORING



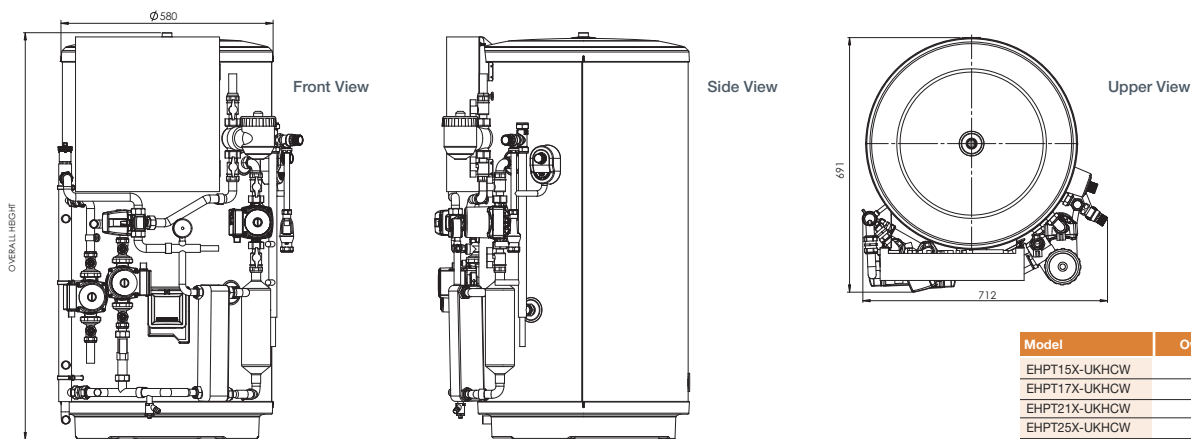
Mitsubishi Electric's fifth generation controller (FTC5) includes intelligent room temperature control as standard. This together with advanced weather compensation ensures the system delivers efficient, comfortable heating regardless of the season. FTC5 now also includes energy monitoring showing consumed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

CYLINDER		EHPT15X-UKHCW	EHPT17X-UKHCW	EHPT21X-UKHCW	EHPT25X-UKHCW	EHPT30X-UKHCW
NOMINAL HOT WATER VOLUME (LITRES)		150	170	210	250	300
WATER	Flow Rate (l/min) W50 - W85 - W112 - HW140	14.3 - 25.8 - 32.1 - 40.1				
	Primary Pump	2 x Grundfos UPS2 25-60				
	Sanitary Hot Water Pump	Grundfos UPSO 15-60 CIL2				
	Connection Size (mm) Heating / DHW (mm)	22	22	22	22	22
	Primary Expansion Vessel (Litres)	12	18	18	24	24
	Charge Pressure (MPa (Bar))	0.35 (3.5)	0.35 (3.5)	0.35 (3.5)	0.35 (3.5)	0.35 (3.5)
	Control Thermistor (°C)	1 - 80	1 - 80	1 - 80	1 - 80	1 - 80
	Pressure Relief Valve (MPa (Bar))	0.3 (3)	0.3 (3)	0.3 (3)	0.3 (3)	0.3 (3)
	Expansion Relief Valve (Cold)	0.8 (8)	0.8 (8)	0.8 (8)	0.8 (8)	0.8 (8)
	Control Thermistor	40-70	40-70	40-70	40-70	40-70
WATER SAFETY DEVICES	Water Circuit	Mechanical 80				
	DHW Cylinder	Mechanical 80				
	High Limit Stat (°C)	Mechanical 80				
DIMENSIONS (mm)	Temp and Pressure Relief Valve (°C) / (MPa (Bar))	90 / 1.0 (10)	90 / 1.0 (10)	90 / 1.0 (10)	90 / 1.0 (10)	90 / 1.0 (10)
	Width	712	712	712	712	712
	Depth	691	691	691	691	691
	Height	1113	1239	1491	1743	2057
WEIGHT EMPTY / FULL (kg)		56 / 206	62 / 232	69 / 279	77 / 327	87 / 387
CYLINDER MATERIAL	Cylinder Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
	Insulation	CFC / HCFC-free flame-retardant expanded Polyurethane				
	Insulation Type	CFC / HCFC-free flame-retardant expanded Polyurethane				
	Insulation Thickness (mm)	60	60	60	60	60
	Standing Heat Loss (kWh/24hrs)	1.19	1.32	1.57	1.67	1.89
	GWP of Insulation	3.1	3.1	3.1	3.1	3.1
	ODP of Insulation	0	0	0	0	0
	Electrical Supply	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
ELECTRICAL DATA	Control Board	Single	Single	Single	Single	Single
	Phase	Single	Single	Single	Single	Single
	Fuse Rating - MCB Sizes (A) ¹	10	10	10	10	10
	Electrical Supply	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
	Phase	Single	Single	Single	Single	Single
	Capacity (kW)	3	3	3	3	3
	Max Running Current (A)	13	13	13	13	13
	Fuse Rating - MCB Sizes (A) ¹	16	16	16	16	16
MECHANICAL ZONES		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, Magnetic & Cyclonic Filter, 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



Model	Overall Height
EHPT15X-UKHCW	1113
EHPT17X-UKHCW	1239
EHPT21X-UKHCW	1491
EHPT25X-UKHCW	1743
EHPT30X-UKHCW	2057

*All dimensions in mm



Premier Technology Engineering Ltd.,

Shinagh, Bandon, Co. Cork P72 HD29, Ireland.

Tel; 023 8841028.

info@premiertechnology.ie www.premiertechnology.ie

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Printed in January 2015 SAP No. 282530



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