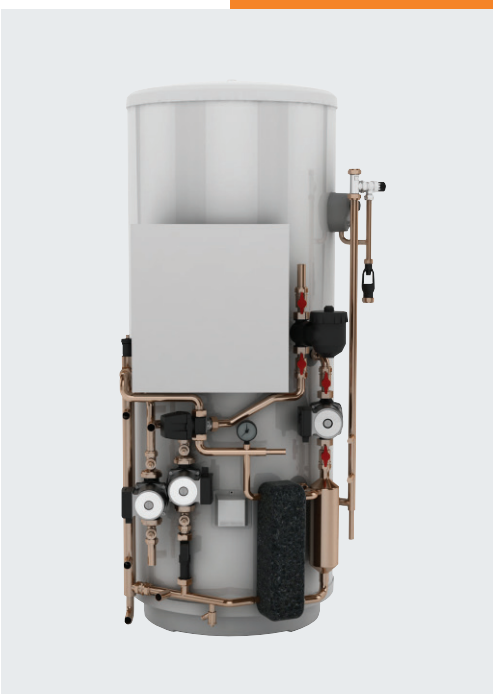
Heating

Product Information

EHPT15-30X-UKHCW
FTC5 Pre-plumbed Standard Cylinders for Ecodan Monobloc Units

Making a World of Difference

ecodan



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

- Optional 2-zone energy efficient space heating control
- Pre-plumbed and wired for faster installation
- Hybrid function, for use with conventional boilers
- Energy monitoring as standard

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Cooling | Heating | Ventilation | Controls

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Renewable Heating Technology

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ADVANCED CONTROLLER – WITH ENERGY MONITORING

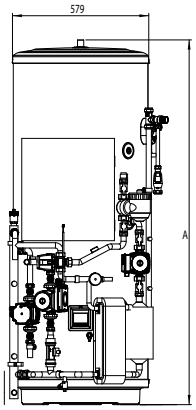
Mitsubishi Electric's fifth generation controller (FTC5) includes intelligent room temperature control as standard. This together with advanced weather compensation ensures the system delivers efficient, comfortable heating regardless of the season. FTC5 now also includes energy monitoring showing consumed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

CYLINDER			EHPT15X-UKHCW	EHPT17X-UKHCW	EHPT21X-UKHCW	EHPT25X-UKHCW	EHPT30X-UKHCW
NOMINAL HOT WATER VOLUME (LITRES)			150	170	210	250	300
ErP RATING			B	B	C	C	C
HEAT LOSS (kWh/24hrs)			1.19	1.32	1.57	1.67	1.89
HEAT LOSS (W)			50	55	65	70	75
WATER		Flow Rate (l/min) W50 - W85 - W112 - HW140	14.3 - 25.8 - 32.1 - 40.1				
		Primary Pump	Grundfos UPMGEO 25 - 85			Grundfos UPMXL GEO 25 - 125	
		Secondary Circuit Pump	Grundfos UPM3 25-70				
		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)
WATER SAFETY DEVICES	Water Circuit	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)
	DHW Cylinder	Control Thermistor	40-70	40-70	40-70	40-70	40-70
		High Limit Stat (°C)	Mechanical 80 (+/-5)	Mechanical 80 (+/-5)	Mechanical 80 (+/-5)	Mechanical 80 (+/-5)	Mechanical 80 (+/-5)
		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)
DIMENSIONS (mm)		Width	683	683	683	683	683
		Depth	730	730	730	730	730
		Height	1130	1256	1508	1760	2074
WEIGHT EMPTY / FULL (kg)			56 / 206	62 / 232	69 / 279	77 / 327	87 / 387
CYLINDER MATERIAL	Cylinder	Cylinder Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
	Insulation	Insulation Type	CFC / HCFC-free flame-retardant expanded Polyurethane				
		Insulation Thickness (mm)	60	60	60	60	60
		GWP of Insulation	3.1	3.1	3.1	3.1	3.1
		ODP of Insulation	0	0	0	0	0
ELECTRICAL DATA	Control Board *optionally powered by outdoor unit*	Electrical Supply	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
		Phase	Single	Single	Single	Single	Single
		Fuse Rating - MCB Sizes (A)*1	10	10	10	10	10
	Immersion Heater	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				

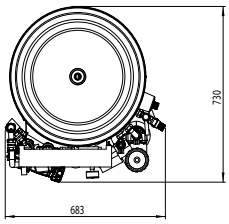
Cylinder includes: Flow Temperature Controller (FTC5) with Main Controller and Temperature Sensors, Magnetic & Cyclonic Filter, Pumps & Valves for Zone 1 and DHW use, Flow Sensor, Plate Heat Exchanger, Scale Trap, 3kW Immersion Heater and Expansion Vessel.
*1 MCB Sizes BS EN60898-2 & BS EN60947-2 *2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

DIMENSIONS

Front View



Upper View



Model	Overall Height (A)
EHPT15X-UKHCW	1130
EHPT17X-UKHCW	1256
EHPT21X-UKHCW	1508
EHPT25X-UKHCW	1760
EHPT30X-UKHCW	2074

*All dimensions in mm

Manufactured in the UK

MELCloud

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Note: The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774) or R134a (GWP:1430). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows. R410A (GWP:1975), R32 (GWP: 550), R407C (GWP:1650) or R134a (GWP:1300).

Effective as of June 2018