

FTC7 Pre-Plumbed Cylinder **Large** For Ecodan Monobloc Heat Pumps

Key Features:

- Pre-Plumbed and Pre-wired
- DHW Plate Heat Exchanger combined with scale trap
- Low Loss Header
- Colour touch screen control
- MELCloud enabled

Key Benefits:

- Plug and play simple installation
- Excellent hot water recovery times
- Automatic heat pump flow rate regulation
- Intuitive user friendly operation
- Remote control, monitoring, maintenance and technical support



ecodan[®]
Renewable Heating Technology

CYLINDER		EHPT21X-UKHEWL	EHPT25X-UKHEWL	EHPT30X-UKHEWL
NOMINAL HOT WATER VOLUME (LITRES)		210	250	300
ErP RATING		C	C	C
HEAT LOSS (kWh/24hrs)		1.53	1.80	2.09
HEAT LOSS (W)		65	75	86
WATER		Flow Rate (l/min) - with R32 Heat Pump 6 / 8.5 / 11.2 / 14kW - with R290 Heat Pump 6 / 8kW	17 / 24 / 32 / 40 17 / 23	24 / 32 / 40 23
		Primary Circuit Pump	Grundfos UPM4L 25-75 130AZA	
		Heating Circuit Pump	Grundfos UPM3 AUTO 25-70 130	
		Sanitary Hot Water Pump	Grundfos UPSO 15-60 CIL2	
		Connection Size (mm) Heating / DHW	28 / 22	28 / 22
		Charge Pressure (MPa (Bar))	0.35 (3.5)	0.35 (3.5)
WATER	Water Circuit	Control Thermistor (°C)	80	80
SAFETY	DHW Cylinder	DHW Expansion Vessel (Litres)	18	24
		Control Thermistor (°C)	75	75
		Over Temperature Cut-Out (°C)	80 +/- 5	80 +/- 5
		Temp and Pressure Relief Valve (°C) / (MPa (Bar))	90 / 1.0 (10)	90 / 1.0 (10)
		Expansion Relief Valve (Cold) (MPa (Bar))	0.8 (8)	0.8 (8)
DIMENSIONS (mm)		Width	748	748
		Depth	755	755
		Height	1509	1761
WEIGHT EMPTY / FULL (kg)		68/278	74/324	82/382
CYLINDER	Cylinder	Cylinder Material	Duplex stainless steel	
MATERIAL	Insulation	Insulation Type	CFC / HCFC-free flame-retardant expanded Polyurethane	
		Insulation Thickness (mm)	60	60
		GWP of Insulation	3.1	3.1
		ODP of Insulation	0	0
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	16	16
	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 Zone²

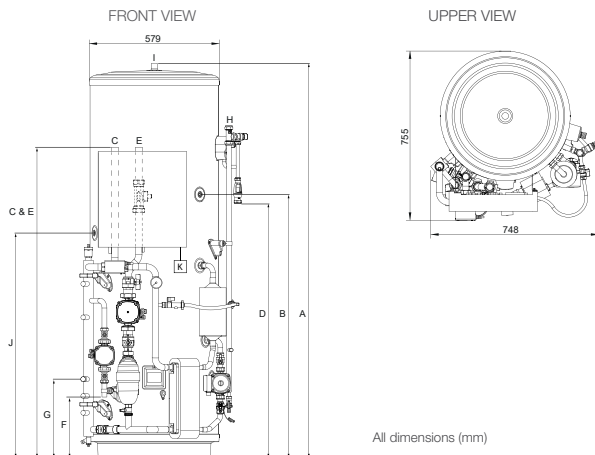
OPTIONAL SIMPLIFIED WIRELESS ROOM THERMOSTAT AND WIRELESS RECEIVER

PAR-WT60R-E Controller and PAR-WR61R-E Receiver

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

Notes: Cylinder includes: Flow Temperature Controller (FTC7) with Main Controller and Temperature Sensors, Heat Pump Filter, Pumps & Valves for Primary Circuit and Zone 1 and DHW use, Flow Sensor, Plate Heat Exchanger, Scale Trap, 3kW Immersion Heater, Expansion Vessel, Diverter Valve and Low Loss Header.

EHPT21-30X-UKHEWL DIMENSIONS



KEY

- A OVERALL HEIGHT
- B SECONDARY RETURN TAPPING
- C HEAT PUMP FLOW CONNECTION (28mm O/D COPPER)
- D TUNDISH OUTLET CONNECTION (22mm COMPRESSION)
- E HEAT PUMP RETURN CONNECTION (28mm O/D COPPER)
- F HEATING ZONE 1 CIRCUIT FLOW CONNECTION (22mm O/D COPPER)
- G HEATING ZONE 1 CIRCUIT RETURN CONNECTION (22mm O/D COPPER)
- H COLD WATER INLET CONNECTION (22mm COMPRESSION)
- I HOT WATER OUTLET CONNECTION (22mm COMPRESSION / 3/4" BSP M)
- J THWSA SENSOR POCKET
- K WI-FI ADAPTOR (INCLUDED, INSTALLER TO LOCATE AND MOUNT)

Capacity	210	250	300
A	1509	1761	2075
B	1050	1175	1385
C	1370	1370	1370
D	880	1136	1450
E	1370	1370	1370
F	270	270	270
G	350	350	350
J	925	1005	1193
K	Installer to locate and mount		



Telephone: 01707 282880
email: heating@meuk.mee.com
ecodan.co.uk



UNITED KINGDOM Mitsubishi Electric Europe Living Environment Systems Division, Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, England. Telephone: 01707 282880 Fax: 01707 278881
IRELAND Mitsubishi Electric Europe, Westgate Business Park, Ballymount, Dublin 24, Ireland. Telephone: (01) 419 8800 Fax: (01) 419 8890 International code: (003531)

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Note: Refer to 'Installation Manual' and 'Instruction Book' for further 'Technical Information'. The fuse rating is for guidance only and 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, R290 (GWP:3) R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R1234ze (GWP:7) or R1234yf (GWP:4). *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).

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