

FTC7 Pre-Plumbed Cylinder **Standard** 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

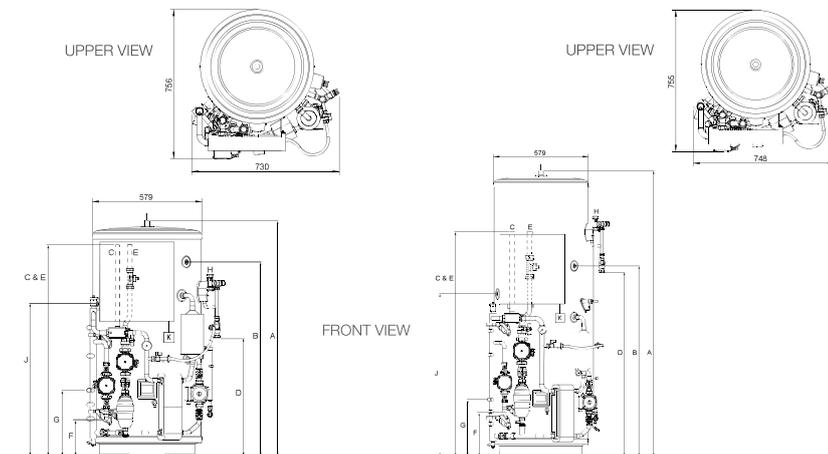
CYLINDER		EHPT15X-UKHEWS	EHPT17X-UKHEWS	EHPT21X-UKHEWS	EHPT21X-UKHEWL	EHPT25X-UKHEWL	EHPT30X-UKHEWL						
NOMINAL HOT WATER VOLUME (LITRES)		150	170	210	210	250	300						
ErP RATING		B	B	C	C	C	C						
HEAT LOSS (kWh/24hrs)		1.15	1.23	1.53	1.53	1.80	2.09						
HEAT LOSS (W)		48	51	64	65	75	86						
WATER		Flow Rate (l/min) - with R32 Heat Pump 5/6/8.5/11.2/14kW - with R290 Heat Pump 5/6/8kW		14 / 17 / 24 / - / -	14 / 17 / 24 / - / -	14 / 17 / 24 / - / -	- / 17 / 24 / 32 / 40	- / 17 / 24 / 32 / 40	- / - / 24 / 32 / 40				
		Primary Circuit Pump		Grundfos UPM4L 25-75 130AZA		Grundfos UPM3 AUTO 25-70 130		Grundfos UPSO 15-60 CIL2					
		Heating Circuit Pump		Grundfos UPM4L 25-75 130AZA		Grundfos UPM3 AUTO 25-70 130		Grundfos UPSO 15-60 CIL2					
		Sanitary Hot Water Pump		Grundfos UPM4L 25-75 130AZA		Grundfos UPM3 AUTO 25-70 130		Grundfos UPSO 15-60 CIL2					
		Connection Size (mm) Heating / DHW		22 / 22	22 / 22	22 / 22	28 / 22	28 / 22	28 / 22				
		Charge Pressure (MPa) (Bar)		0.35 (3.5)	0.35 (3.5)	0.35 (3.5)	0.35 (3.5)	0.35 (3.5)	0.35 (3.5)				
WATER SAFETY		Water Circuit		80	80	80	80	80	80				
		DHW Cylinder		12	18	18	18	24	24				
		Control Thermistor (°C)		75	75	75	75	75	75				
		Over Temperature Cut-Out (°C)		80 +/- 5	80 +/- 5	80 +/- 5	80 +/- 5	80 +/- 5	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)	90 / 1.0 (10)				
		Expansion Relief Valve (Cold) (MPa) (Bar)		0.8 (8)	0.8 (8)	0.8 (8)	0.8 (8)	0.8 (8)	0.8 (8)				
DIMENSIONS (mm)		Width		730	730	730	748	748	748				
		Depth		756	756	756	755	755	755				
		Height		1131	1257	1509	1509	1761	2075				
WEIGHT EMPTY / FULL (kg)		55/205		58/228		64/274		68/278		74/324		82/382	
CYLINDER MATERIAL		Cylinder Material		Duplex stainless steel									
		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	220-240v ~, 50Hz	220-240v ~, 50Hz	220-240v ~, 50Hz
				Phase		Single	Single	Single	Single	Single	Single	Single	
				Fuse Rating - MCB Sizes (A) ^{*1}		16	16	16	16	16	16	16	
		Immersion Heater		Electrical Supply		220-240v ~, 50Hz	220-240v ~, 50Hz	220-240v ~, 50Hz	220-240v ~, 50Hz	220-240v ~, 50Hz	220-240v ~, 50Hz	220-240v ~, 50Hz	
				Phase		Single	Single	Single	Single	Single	Single	Single	
				Capacity (kW)		3	3	3	3	3	3	3	
				Max Running Current (A)		13	13	13	13	13	13	13	
				Fuse Rating - MCB Sizes (A) ^{*1}		16	16	16	16	16	16	16	
MECHANICAL ZONES				DHW and 1 Heating Zone ^{*2}									
OPTIONAL 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 and 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.

150L - 210L (S) DIMENSIONS

210L (L) - 300L DIMENSIONS



- KEY**
- A OVERALL HEIGHT
 - B SECONDARY RETURN TAPPING (NOT FITTED TO 150L and 170L)
 - C HEAT PUMP FLOW CONNECTION
150/170/210(S) - 22mm O/D COPPER
210(L)/250/300 - 28mm O/D COPPER
 - D TUNDISH OUTLET CONNECTION (22mm COMPRESSION)
 - E HEAT PUMP RETURN CONNECTION
150/170/210(S) - 22mm O/D COPPER
210(L)/250/300 - 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 THW5A SENSOR POCKET
 - K WI-FI ADAPTOR (INCLUDED, INSTALLER TO LOCATE AND MOUNT)

Capacity	150	170	210 (S)	210 (L)	250	300
A	1131	1257	1509	1509	1761	2075
B	Not Fitted	Not Fitted	1050	1050	1175	1385
C	1122	1122	1122	1370	1370	1370
D	505	630	880	880	1136	1450
E	1122	1122	1122	1370	1370	1370
F	194	194	194	270	270	270
G	350	350	350	350	350	350
J	675	815	925	925	1005	1193
K	Installer to locate and mount					

All dimensions (mm)



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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