

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					
		Heating Circuit Pump		Grundfos UPM3 AUTO 25-70 130					
		Sanitary Hot Water Pump		Grundfos UPSO 15-60 CIL2					
		Connection Size (mm) Heating / DHW		22 / 22	22 / 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)		
WATER SAFETY		Water Circuit		80	80	80	80		
		DHW Cylinder		12	18	18	24		
		Control Thermistor (°C)		75	75	75	75		
		Over Temperature Cut-Out (°C)		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)		
		Expansion Relief Valve (Cold) (MPa) (Bar)		0.8 (8)	0.8 (8)	0.8 (8)	0.8 (8)		
DIMENSIONS (mm)		Width		730	730	748	748		
		Depth		756	756	755	755		
		Height		1131	1257	1509	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		
		GWP of Insulation		3.1	3.1	3.1	3.1		
		ODP of Insulation		0	0	0	0		
ELECTRICAL DATA		Control Board - Electrical Supply		220-240v ~, 50Hz	220-240v ~, 50Hz	220-240v ~, 50Hz	220-240v ~, 50Hz		
		Phase		Single	Single	Single	Single		
		Fuse Rating - MCB Sizes (A) ^{*1}		16	16	16	16		
		Immersion Heater Electrical Supply		220-240v ~, 50Hz	220-240v ~, 50Hz	220-240v ~, 50Hz	220-240v ~, 50Hz		
		Phase		Single	Single	Single	Single		
		Capacity (kW)		3	3	3	3		
		Max Running Current (A)		13	13	13	13		
		Fuse Rating - MCB Sizes (A) ^{*1}		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)



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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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