

# EHPT21-30X-UKHSDW

FTC6 **Solar** Pre-Plumbed Cylinder  
For Ecodan R32 Monobloc Units

**R32**

## Key Features:

- Unvented plug & play pre-plumbed DHW cylinder
- Efficient & rapid heating
- Premium quality insulation
- Flexible 2-zone space heating control
- MELCloud enabled

## Key Benefits:

- Minimal installation time
- Excellent hot water recovery times
- Reduced heat losses and running costs
- Improved comfort and reduced energy use
- Remote control, monitoring, maintenance and technical support

**MELCloud**

**ecodan**<sup>®</sup>  
Renewable Heating Technology

CYLINDER			EHPT21X-UKHSDW	EHPT25X-UKHSDW	EHPT30X-UKHSDW
NOMINAL HOT WATER VOLUME (LITRES)			210	250	300
ErP RATING			C	C	C
HEAT LOSS (kWh/24hrs)			1.57	1.79	1.88
HEAT LOSS (W)			65	75	78
WATER					
		Flow Rate (l/min) - WM 50 / 60 / 85 / 112 / 140	14 / 17 / 24 / 32 / 40	N/A / N/A / 24 / 32 / 40	N/A / N/A / 24 / 32 / 40
		Primary Circuit Pump	Grundfos UPMGE0 25-85	Grundfos UPMXL GEO 25-125	Grundfos UPMXL GEO 25-125
		Heating Circuit Pump		Grundfos UPM3 25-70	
		Sanitary Hot Water Pump		Grundfos UPSO 15-60 CIL2	
		Connection Size (mm) Heating / DHW	22 / 22	22 / 22	22 / 22
		Charge Pressure (MPa (Bar))	0.35 (3.5)	0.35 (3.5)	0.35 (3.5)
WATER SAFETY	Water Circuit	Control Thermistor (°C)	80	80	80
		DHW Expansion Vessel (Litres)	18	24	24
	DHW Cylinder	Control Thermistor (°C)	75	75	75
		Over Temperature Cut-Out (°C)	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)
		Expansion Relief Valve (Cold) (MPa (Bar))	0.8 (8)	0.8 (8)	0.8 (8)
DIMENSIONS (mm)					
		Width	683	683	683
		Depth	730	730	730
		Height	1513	1765	2081
WEIGHT EMPTY / FULL (kg)			74 / 284	82 / 332	92 / 392
CYLINDER MATERIAL	Cylinder	Cylinder Material	Stainless Steel	Stainless Steel	Stainless Steel
	Insulation	Insulation Type	CFC / HCFC-free flame-retardant expanded Polyurethane		
		Insulation Thickness (mm)	60	60	60
		GWP of Insulation	3.1	3.1	3.1
		ODP of Insulation	0	0	0
ELECTRICAL DATA	Control Board - <i>optionally powered by outdoor unit</i>	Electrical Supply	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
		Phase	Single	Single	Single
		Fuse Rating - MCB Sizes (A)*1	16	16	16
	Immersion Heater	Electrical Supply	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
		Phase	Single	Single	Single
		Capacity (kW)	3	3	3
		Max Running Current (A)	13	13	13
		Fuse Rating - MCB Sizes (A)*1	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		

### MECHANICAL ZONES

DHW and 1 Heating Zone\*2

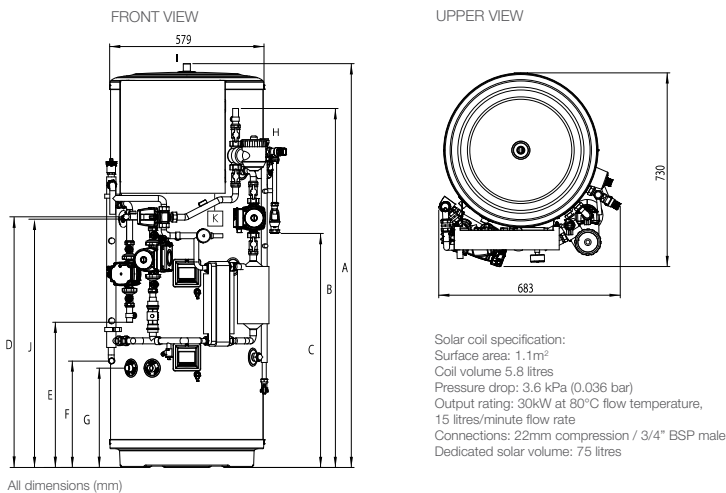
### OPTIONAL SIMPLIFIED WIRELESS ROOM THERMOSTAT AND WIRELESS RECEIVER

PAR-WT50-E Controller and PAR-WR51-E Receiver

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

Notes: Cylinder includes: Flow Temperature Controller (FTC6) with Main Controller and Temperature Sensors, Pumps & Valves for Zone 1 and DHW use, Flow Sensor, Plate Heat Exchanger, Scale Trap, 3kW Immersion Heater and Expansion Vessel.

### EHPT21-30X-UKHSDW DIMENSIONS



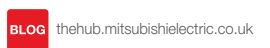
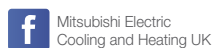
Letter	Pipe Description	Connection size/type
A	Overall Height	
B	Heat pump flow connection	22mm O/D copper
C	Tundish outlet connection	22mm compression
D	Heat pump return connection	22mm O/D copper
E	Heating circuit flow connection	22mm O/D copper
F	Heating circuit return connection	22mm O/D copper
G	Solar coil connections	22mm compression / 3/4" BSP M
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 adapter	included, installer to locate and mount

Capacity	210	250	300
A	1513	1765	2081
B	1346	1346	1346
C	877	1129	1444
D	935	935	935
E	545	545	545
F	400	400	400
G	372	372	372
J	933	1008	1198
K	Installer to locate and mount		



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Notes: 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, 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).

Effective as of August 2020

