Heating

Product Information

EHST17/20/30D

FTC6 Cylinders for Ecodan Split Units

MITSUBISHI ELECTRIC
Changes for the Better

Making a World of Difference

Space heating and domestic hot water for use with Ecodan split air source heat pumps

MELCloud

These split integrated cylinders offer a highly adaptable heating and hot water solution for retrofit and new build.

Designed specifically by Mitsubishi Electric to operate with the Ecodan split air source heat pump ranges. The cylinder provides market leading domestic hot water performance with faster heat up times through the use of plate heat exchanger technology. Easy installation, fast commissioning via an SD card and built in energy monitoring are some of the functions that are included.

Key Features

- Fully integrated sleek modern design
- Market leading ErP domestic hot water efficiency
- Pre-plumbed and wired for faster installation
- Set up wizard for easy start up
- SD Card Commissioning
- All water connections to rear of unit
- 170, 200 and 300 litre options available
- Energy monitoring as standard
- Wi-Fi compatible for remote connection

MITSUBISHI ELECTRIC
LIVING ENVIRONMENTAL SYSTEMS

ecodan®
Renewable Heating Technology

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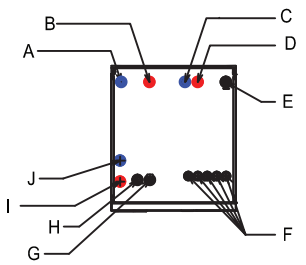
Model Name		EHST17D-VM2D	EHST20D-VM2D	EHST30D-VM6ED
	Nominal hot water volume (Litres)	170	200	300
	Cylinder material	Duplex 2304 Stainless Steel (EN 10088)	Duplex 2304 Stainless Steel (EN 10088)	Duplex 2304 Stainless Steel (EN 10088)
Compatible outdoor unit	SUZ-SWM40VA	•	•	
	SUZ-SWM60VA	•	•	
	SUZ-SWM80VA	•	•	•
Dimensions (mm)	Height (mm)	1400	1600	2050
	Width (mm)	595	595	595
	Depth (mm)	680	680	680
Casing	Munsell	6.2 Pb 9/0.9	6.2 Pb 9/0.9	6.2 Pb 9/0.9
	RAL Code	260 90 05	260 90 05	260 90 05
	Material	Pre- coated metal	Pre- coated metal	Pre- coated metal
	Weight empty/full (kg)	93 / 269	98 / 304	115 / 422
Refrigerant	Connection type refrigerant pipe (OD) (Liquid mm(in))	6.35 (1/4") Flared	6.35 (1/4") Flared	6.35 (1/4") Flared
	Gas mm(in)	12.7 (1/2") Flared	12.7 (1/2") Flared	12.7 (1/2") Flared
Water data	Connection type water (Primary) (mm)	28	28	28
	Connection type water (Domestic hot water) (mm)	22	22	22
	Flow rate (Primary circuit) Min*1/ Max *2 (L/Min)	5.0 / 25.8	5.0 / 36.9	5.0 / 36.9
	Sanitary hot water pump	Grundfos UP SO 15-60	Grundfos UP SO 15-60	Grundfos UP SO 15-60
	Primary expansion vessel (Volume) (L)	12	12	-
	Primary expansion vessel (Charge pressure) (Mpa)	0.1	0.1	-
Water safety devices (Primary circuit)	Control thermistor (°C)	1 ~ 80	1 ~ 80	1 ~ 80
	Pressure relief valve (Mpa)	0.3	0.3	0.3
	Flow sensor minimum (L/Min)	5	5	5
Water safety devices (DHW circuit)	Control thermistor (°C)	75	75	75
	Temperature and pressure relief valve	1.0 Mpa (10 bar)	1.0 Mpa (10 bar)	1.0 Mpa (10 bar)
Electric data (Control Board)	Electrical supply (single phase)	220 - 240V 50Hz	220 - 240V 50H	220 - 240V 50H
	Current (Amps)	1.95	1.95	1.95
	Fuse rating (MCB) (Amps)	10	10	10
Electric data (Booster Heater)	Electrical load (kW)	2	2	2 + 4
	Current (Amps)	16	16	26
	Fuse rating (MCB) (Amps)	9	9	32
Noise	Sound power level (dBa)	41	41	41
Mechanical zones		DHW & 2 Heating Zones	DHW & 2 Heating Zones	DHW & 2 Heating Zones
ErP data (average climate)	Water heating energy efficiency			
	SUZ-SWM40VA (ηwh)	148%	159%	-
	SUZ-SWM60VA (ηwh)	144%	148%	-
	SUZ-SWM80VA (ηwh)	144%	148%	127%
	Hot water reference temperature (°C)	55.5	52.5	52.5
Weight	Declared load profile	L	L	XL

*1 If the water flow rate is less than the minimum a flow error will be activated

*2 If the water flow rate range exceeds maximum, flow speed will be greater than 1.5m/s which could corrode the pipes



PLUMBING SPECIFICATIONS			
Reference	Type	Connection	Size/ Type
A	Return	Space Heating RETURN	28mm
B	Flow	Space Heating FLOW	28mm
C	Inlet	Cold Water Inlet	22mm
D	Outlet	DHW Outlet	22mm
E	P.R.V	Pressure Relief Valve (Sanitary)	
F		Electrical Connection Inlets	
G	P.R.V	Pressure Relief Valve (Primary)	
H		Air Vent	
I	Liquid	Refrigerant Liquid Line 1/4"	Flared
J	Gas	Refrigerant Gas Line 1/2"	Flared

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