Heating

Product Information

ERST20/30F -VM*E*

R32

For Ecodan PUZ-SWM Split System Air Source Heat Pumps

FTC7 Cylinders

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 **PUZ-SWM Range** of split air source heat pump range. The cylinder provides market leading domestic hot water performance with faster heat up times through the use of plate heat exchanger technology.

The ERST range of indoor units provide Hot water, Heating as well as Cooling options.

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
- 200 and 300 litre options available
- Energy monitoring as standard
- Wi-Fi compatible for remote connection

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Model Name		ERST20F-VM2E	ERST30F-VM6EE
	Nominal hot water volume (Litres)	200	300
Dimensions (mm)	Height (mm)	1600	2050
	Width (mm)	595	595
	Depth (mm)	680	680
Casing	Munsell	6.2 Pb 9/0.9	6.2 Pb 9/0.9
	RAL Code	260 90 05	260 90 05
	Material	Pre- coated metal	Pre- coated metal
	Weight empty/full (kg)	94 / 301	110 / 417
Refrigerant	Connection type refrigerant pipe (OD) (Liquid mm(in))	6.35 (1/4") Flared	6.35 (1/4") Flared
	Gas mm(in)	12.7 (1/2") Flared	12.7 (1/2") Flared
Water data	Connection type water (Primary) (mm)	28	28
	Connection type water (Domestic hot water) (mm)	22	22
	Flow rate (Primary circuit) Min*1/ Max *2 (L/Min)	5.0 / 36.9	5.0 / 36.9
	Cylinder material	Duplex 2304 stainless steel (EN10088)	Duplex 2304 stainless steel (EN10088)
	Primary expansion vessel (Volume) (L)	12	-
	Primary expansion vessel (Charge pressure) (Mpa)	0.1	-
Water safety devices (Primary circuit)	Control thermistor (°C)	1 ~ 80	1 ~ 80
	Pressure relief valve (Mpa)	0.3	0.3
	Flow sensor minimum (L/Min)	5	5
Water safety devices (DHW circuit)	Control thermistor (°C)	75	75
	Temperature and pressure relief valve	1.0 Mpa (10 bar)	1.0 Mpa (10 bar)
Electric data (Control Board)	Electrical supply (single phase)	220 - 240V 50Hz	220 - 240V 50Hz
	Current (Amps)	1.95	1.95
	Fuse rating (MCB) (Amps)	10	10
Electric data (Booster Heater)	Electrical load (kW)	2	2+4
	Current (Amps)	9	26
	Fuse rating (MCB) (Amps)	16	32
Noise	Sound power level (dBa)	41	41
Mechanical zones		DHW & 2 Heating Zones	DHW & 2 Heating Zones
ErP data (average climate)	Water heating energy efficiency		
	PUZ-SWM80VAA (ηwh)	137%	125%
	PUZ-SWM100VAA (ηwh)	137%	125%
	PUZ-SWM120VAA (ηwh)	137%	125%
	PUZ-SWM120YAA (ηwh)	137%	125%
	PUZ-SWM140VAA (ηwh)	131%	112%
	PUZ-SWM140YAA (ηwh)	131%	112%
		-	-
	Declared load profile	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

MITSUBISHI ELECTRIC

Changes for the Better

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ecodan

Renewable Heating Technology

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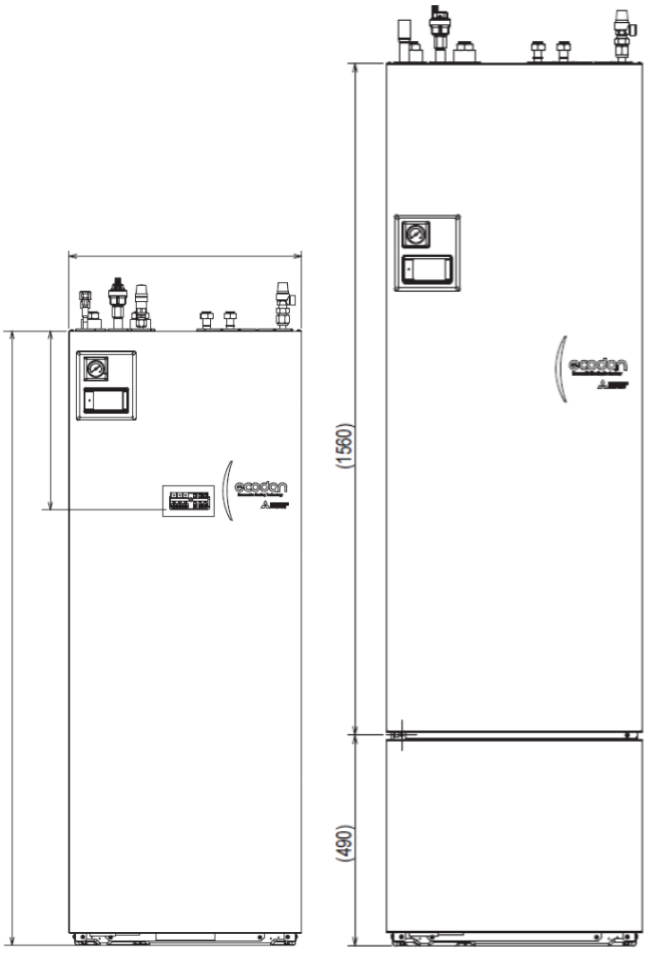
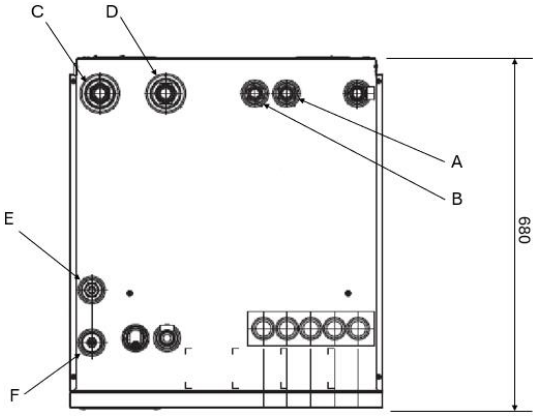


DHW tank capacity	200L	300L
①	1600	2050
②	456	931



Letter	Pipe description	Connection size/type
A	DHW outlet connection	22 mm/Compression
B	Cold water inlet connection	22 mm/Compression
C	Space heating RETURN connection	28 mm/Compression
D	Space heating FLOW connection	28 mm/Compression
E	Refrigerant (GAS)	12.7 mm/Flare
F	Refrigerant (LIQUID)	6.35 mm/Flare

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