

SUZ-SWM40/60/80VA2

R32

Ecodan R32

Ecodan Split Air Source Heat Pump

Our range of SUZ (R32) Ecodan units are designed to suit a wide variety of applications. Suitable for new build projects to help achieve nZEB compliance and also provide an easy installation option for retrofit applications. The range includes 4.5kW, 6kW and 7kW options, with the ability to cascade up to six units to give a capacity range from 4.5kW to 42kW for small commercial applications. Application examples include new build developments (nZEB compliance), retrofit applications (majority of Irish homes) light commercial buildings and high efficiency hot water solutions.

Key Features:

- Allows water connections to be made internally
- Industry leading hot water efficiency (η_{wh})
- No need for flues or ventilation
- Single phase power supply with low starting current
- Low maintenance and quiet operation
- Operates in temperatures as low as -25°C
- Maximum flow temperature of 60°C
- Low GWP refrigerant (R32)



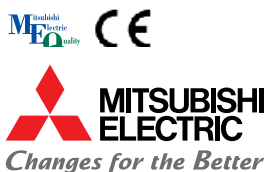
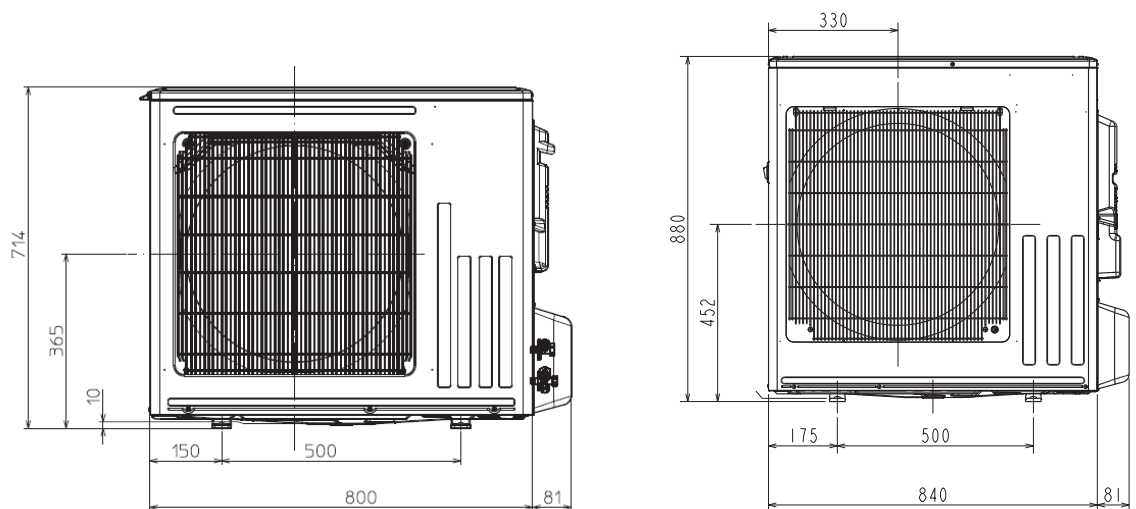
Product Information

Model Name		SUZ-SWM40VA2	SUZ-SWM60VA2	SUZ-SWM80VA2
Dimensions	Height (mm)	714	714	880
	Width (mm)	800	800	840
	Depth (mm)	285	285	330
Weight	kg	39	40	53
Outer casing		Galvanised Plate	Galvanised Plate	Galvanised Plate
Refrigerant gas	kg	0.8(R32)	0.8 (R32)	1.1 (R32)
Refrigerant pipe (OD)	Liquid mm(in)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	Gas mm(in)	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")
Connection type		Flared	Flared	Flared
Min to max distance	Pipe length	2 to 26m	2 to 26m	2 to 46m
	Height difference	26m	26m	30m
Guaranteed operating range	Heating	-25 to +24°C	-25 to +24°C	-25 to +24°C
	DHW	-25 to +35°C	-25 to +35°C	-25 to +35°C
Maximum flow temperature		+60°C	+60°C	+60°C
Water volume (minimum water volume)	Litres	12	21	29
Flow rate (water connection from indoor unit)	L/Min	6.5-11.4	7.2-17.2	10.9-21.5
Electrical data	Electrical supply	220-240V 50Hz	220-240V 50Hz	220-240V 50Hz
	Max current	13.5 Amps	13.5 Amps	17.3 Amps
	Breaker size	16 Amps	16 Amps	20 Amps
	Starting current	1 Amp	1 Amp	1 Amp
PWL Sound pressure level (EN12102)	dBA (1M)	57	60	60
Rated heat output (ErP Cert)	kW	4.5kW	6kW	7kW
Maximum output	A+2/W35	4kW	6kW	7.5kW
Nominal output	A+7/W35	3kW	5kW	6kW
Heating efficiency ^{*1}	COP (A7/W35)	5.11	3.62	3.50
Water heating energy efficiency ^{*2}	ErP	A++	A++	A++
Seasonal space heating energy efficiency ^{*2}	ηs	135%	136%	135%
Water heating energy efficiency ^{*3}	ηwh	147%	142%	144%

*1 COP figures quoted at nominal output (A7/W35)

*2 Average climate water, water outlet 55C

*3 Combined with EHST20D-VM2D cylinder



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