

# Air Conditioning

## Split System



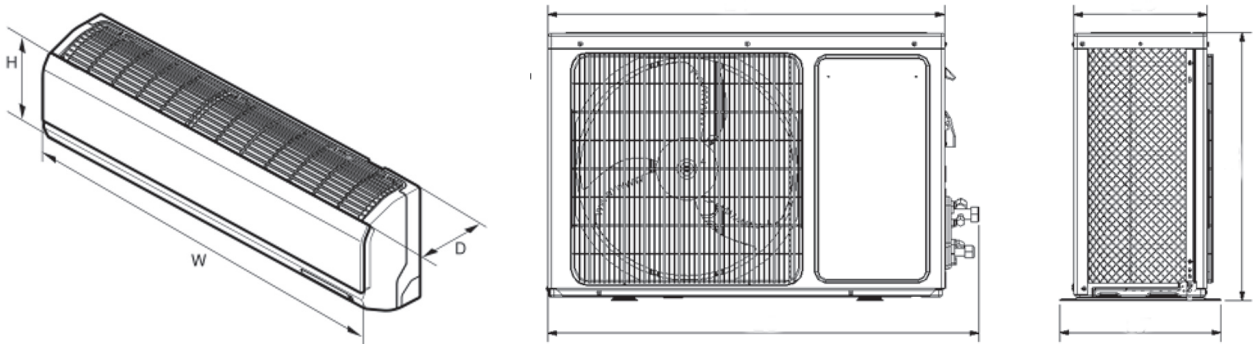
### Features.

- High efficiency DC inverter technology.
- Designed for easy installation.
- Rapid cooling with up to 40% increase in cooling capacity per minute.
- Anti-corrosion protection on the outdoor unit, evaporator, condenser and fins and fastenings.
- Breath easy with one-click smart self cleaning.
- Stylish design.
- 5 year system warranty 2 year labour and service.

The Emerald Air Conditioning Split System offers the best of both worlds – keeping your home cool in summer and warm in winter. This dual functionality makes it ideal for seasonal climates with cold winters and summers.

Thanks to its advanced heat pump technology this air conditioning unit is exceptionally energy-efficient, leading to significant energy savings.

With various models available in multiple sizes, including 2.5kW, 3.5kW and 7.2kW, you can find the perfect fit for any sized room in the home.



		ACSS25	ACSS35	ACSS72
Net Dimensions WxHxD (mm)	Indoor Unit	850×270×208	850×270×208	1131×315×238
	Outdoor Unit	780×540×260	810×585×280	900×750×340

# Specifications

MODEL NO.		ACSS25	ACSS35	ACSS72
Description		Emerald 2.5kW AC Split System	Emerald 3.5kW AC Split System	Emerald 7.2kW AC Split System
<b>Ratings</b>				
Cooling Capacity	W	2500	3500	7200
Heating Capacity	W	3200	3700	7500
Rated Input-Cooling	W	520	810	1840
Rated Input-Heating	W	670	830	1910
Moisture Removal	L/H.r	0.9	0.9	2.5
Air Circulation	m <sup>3</sup> /h	620	620	1200
EER	W/W	4.81	4.32	3.91
COP	W/W	4.78	4.46	3.93
AEER	W/W	4.76	4.29	3.90
ACOP	W/W	4.74	4.42	3.91
TCSPF (HOT)	W/W	6.63	6.12	5.64
HSPF (HOT)	W/W	5.27	5.36	4.90
TCSPF (in Average)	W/W	6.08	5.67	5.31
HSPF (in Average)	W/W	4.88	4.74	4.31
TCSPF (Cold)	W/W	6.26	5.89	5.57
HSPF (Cold)	W/W	4.41	4.24	3.80
Energy star rating for Cooling New-HOT		5	4.5	4
Energy star rating for Heating New-HOT		3.5	3.5	3.0
Energy star rating for Cooling New-Average		4.5	4	3.5
Energy star rating for Heating New-Average		3	3	2.5
Energy star rating for Cooling New-Cold		4.5	4	4
Energy star rating for Heating New-Cold		2.5	2.5	2
Refrigerant (Type / kg)		R32/0.8	R32/0.92	R32/1.58
Indoor Unit Sound Level (High)	dB(A)	39	46	47
Indoor Unit Sound Level (Silent)	dB(A)	25	32	32
Indoor Unit Sound Power Level	dB(A)	59	59	65
Outdoor Unit Sound Power Level	dB(A)	59	60	69
<b>Power Supply</b>				
Voltage, Frequency, Phase		220-240V/50Hz-1Ph	220-240V/50Hz-1Ph	220-240V/50Hz-1Ph
Rated Current	Cooling (A)	2.3 (0.5~5.1)	3.6 (1.0~7.5)	11.0 (2.8~16.5)
	Heating (A)	3.0 (0.8~5.8)	4.4 (1.5~8.4)	11.0 (3.3~18.5)
Max	W	850/950	1250/1400	3400/4000
	A	5/5.8	7.5/8.4	16.5/18.5
<b>System</b>				
Compressor Type		Rotary	Rotary	Rotary
Expansion Device		EEV	EEV	EEV
Evaporator		Copper tube and Aluminium Fin	Copper tube and Aluminium Fin	Copper tube and Aluminium Fin
Condenser		Copper tube and Aluminium Fin	Copper tube and Aluminium Fin	Copper tube and Aluminium Fin
<b>Connecting Pipe Diameter</b>				
Liquid Pipe	inch	1/4	1/4	3/8
Gas Pipe	inch	3/8	3/8	5/8
<b>Features</b>				
3DC (Indoor motor+outdoor motor+compressor)		Yes	Yes	Yes
Vertical Auto Swing Louver		Yes	Yes	Yes
Horizontal Auto Swing Louver		Yes	Yes	Yes
Hidden Display		Yes	Yes	Yes
LCD Wireless Remote Controller		Yes	Yes	Yes
Removable and Washable Panel		Yes	Yes	Yes
Washable PP Filter		Yes	Yes	Yes
24 Hours Timer		Yes	Yes	Yes
5 Speed and Auto Indoor Fan Control		Yes	Yes	Yes
Dimmer		Yes	Yes	Yes
Sleep Operation		Yes	Yes	Yes
Smart Function		Yes	Yes	Yes
Super Function		Yes	Yes	Yes
Auto Restart		Yes	Yes	Yes
<b>Other</b>				
Net Dimensions WxHxD (mm)	Indoor Unit	850×270×208	850×270×208	1131×315×238
	Outdoor Unit	780×540×260	810×585×280	900×750×340
Net Weight (kg)	Indoor Unit	9	9	13
	Outdoor Unit	30	33	52
Packing Dimensions WxHxD (mm)	Indoor Unit	900×335×260	900×335×260	1220×400×310
		910×600×360	940×630×385	1060×820×450
Gross Weight (kg)	Indoor Unit	11	11	16
	Outdoor Unit	33	36	56
<b>Loading Capacity (40'HC)</b>		103/220/264	96/198/228	54/110/125