

Air Conditioning

Split System



Emerald.

Designing a sustainable, safer future.



Designed by Emerald, an Australian company with 18 years of manufacturing experience, this air conditioning split system combines efficiency and reliability.

Ideal for both residential and commercial use, it delivers peak performance in any setting.



“ At Emerald, we want our customers to gain the most out of technology. We focus our energies on creating products that are technologically superior, last longer and perform better. ”

STUART EDGLEY EMERALD MANAGING DIRECTOR

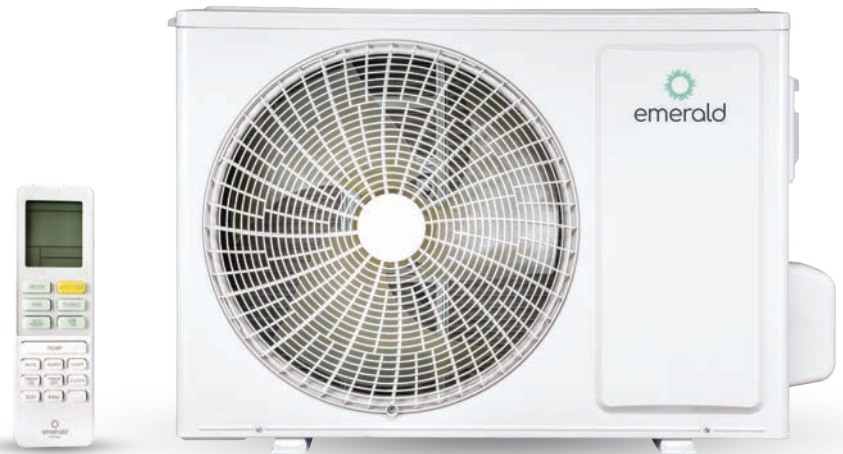
Stuart Edgley

Why Choose an Emerald Air Conditioning Split System?

Emerald's 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 hot summers.

This air conditioning unit is exceptionally energy-efficient, thanks to its advanced refrigerant cycling technology, which leads to significant energy savings.

With a range of models, including 2.5kW, 3.5kW, 7.2kW and 7.6kW, you can find the perfect fit for any sized room on your property.



Control your air conditioner - anytime, anywhere

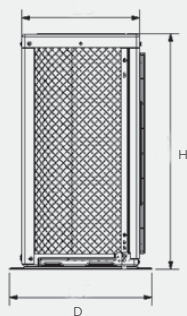
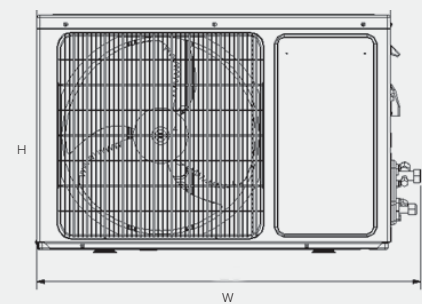
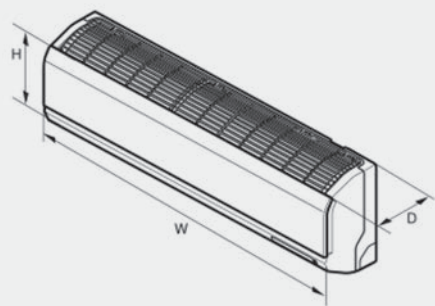
Compatible with Emerald's Smart Thermostat.



Features.

- DC Inverter Technology
- ECO Mode
- I FEEL Mode
- Quiet Mode
- Silver Ion Filter
- Self Cleaning
- Fast Cooling
- Anti-Corrosion Design
- This product is Demand Response compliant (DRM1, DRM3 & DRM3).

Available in a range of sizes to suit every room



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

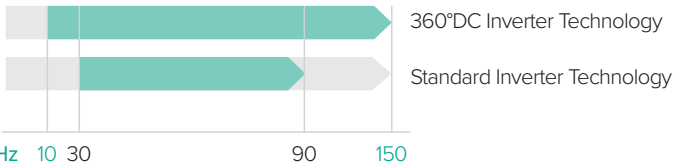
RECOMMENDED SIZES		
Room size	Example room	Recommended heating output
Small (up to 20m²)	Bedroom, study	2.5 to 3kW
Medium (21-40m²)	Bedroom with ensuite, small lounge	3 to 5kW
Large (41-60m²)	Lounge, large kitchen	5 to 8kW
Very large (more than 60m²)	Open plan areas, large lounges	+8kW



INVERTER TECHNOLOGY

High energy, low cost

Keep cool and avoid unexpected high energy bills! Emerald's Air Conditioning Split System utilises 360° full DC inverter technology, an inner air duct, and an advanced louvre fin to enhance energy efficiency significantly and decrease power consumption.



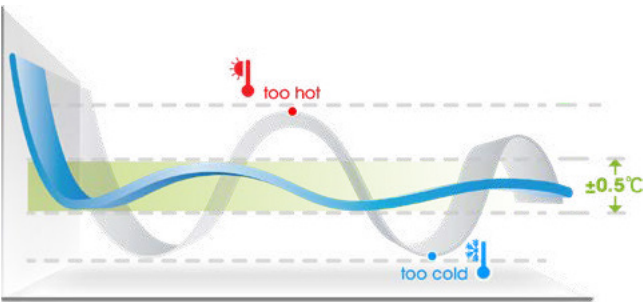
Fast cooling

The compressor can reach the highest frequency quickly through advanced inverter technology to achieve fast cooling.

The Emerald Air Conditioning Split System also has powerful fans and efficient heat exchange systems to achieve three times the rapid cooling of the non-inverter air conditioners, allowing users to cool down quickly after turning the unit on.

± 0.5°C Inverter

Emerald's air conditioner will quickly increase the operating frequency to reach the set temperature and then operate at a low frequency to keep the room temperature constant.



■ Inverter Air Conditioner ■ Temperature Setting ■ Normal Conditioner



ECO MODE

Up to 30% more efficient

Minimise power consumption with the push of a button. Activate Eco Mode to reduce power usage and save up to 30% more energy than a standard inverter AC.



I FEEL MODE

Control your comfort

Emerald Air Conditioning Split System units are intuitive and intelligent. With I FEEL Mode, you'll never have to adjust the temperature yourself. The Emerald air conditioning remote control features a built-in digital thermometer that adjusts the room's temperature based on where the remote control is located.



QUIET MODE

Peace and quiet

Quiet Mode allows the unit to operate silently without compromising power output or effectiveness.

The silent motor achieves superb airflow distribution while creating a cool, quiet and comfortable environment.



OPTIONAL

Emerald smart thermostat

Turn your air conditioner into a smart air conditioner with Emerald's Smart Thermostat.

Control the climate of the property anytime, anywhere with AC Link and the Emerald app on your mobile phone.





SMART SELF CLEANING

Cleans the air and cleans itself

Self-clean technology reduces the need for cleaning and maintenance and extends the life of your air conditioning unit, allowing you to enjoy superb air quality for longer. Select the function from the remote control and let the unit do the rest.



SILVER ION FILTER

Clean, safe air

Every Emerald Air Conditioning Split System unit has a Silver Ion Filter, an antibacterial device designed to keep the air clean from bacteria and impurities. This filter effectively prevents mould build-up and boasts a 99.99% efficacy in preventing E. coli and a 97.14% efficacy in preventing S. aureus, commonly known as Staph.





ANTI-CORROSION DESIGN

Durable design

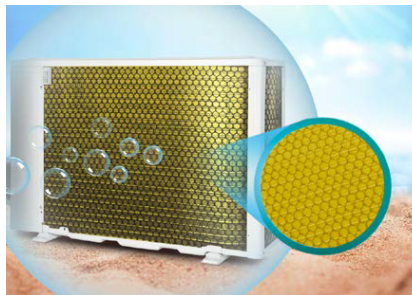
Emerald's Air Conditioning Split System units are engineered for durability and longevity, boasting outstanding anti-corrosion capabilities.

Anti-Corrosion Golden Fin

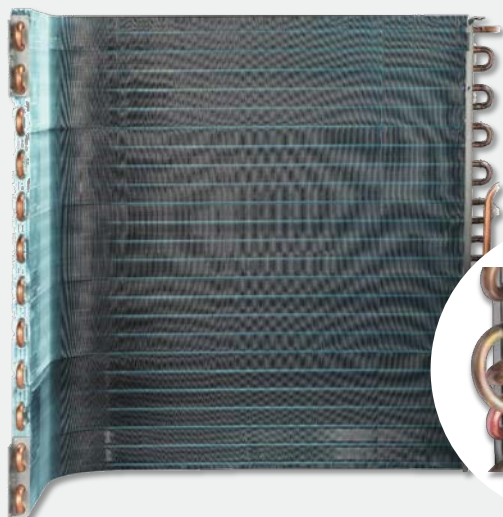
Emerald's unique Anti-Corrosive Golden Fin can withstand all sorts of weather conditions, from salty air to rain and other corrosive elements.

7-layer Anti-Corrosion Protection

The 7-Layer Anti-Corrosion Protection greatly extends the service life of outdoor units due to increased strength and durability.



1500 hour of anti-salt spray

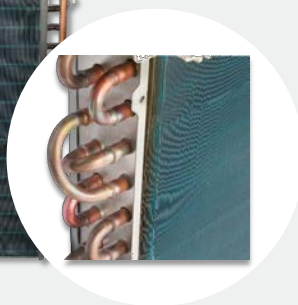


Anti-corrosion fin

1500hr

Normal fin

500hr



Special coating on both ends of the evaporator and condenser

Protection level >9.8 significantly higher than regular fins

Specifications

MODEL NO.		ACSS25	ACSS35	ACSS72	ACSS76
Description		Emerald 2.5kW AC Split System	Emerald 3.5kW AC Split System	Emerald 7.2kW AC Split System	Emerald 7.6kW AC Split System
Ratings					
Cooling Capacity	W	2500	3500	7200	7600
Heating Capacity	W	3200	3700	7500	9600
Rated Input-Cooling	W	520	810	1840	1760
Rated Input-Heating	W	670	830	1910	2350
Moisture Removal	L/H.r	0.9	0.9	2.5	2.5
Air Circulation	m³/h	620	620	1200	1800
EER	W/W	4.81	4.32	3.91	4.318
COP	W/W	4.78	4.46	3.93	4.085
AEER	W/W	4.76	4.29	3.90	4.289
ACOP	W/W	4.74	4.42	3.91	4.065
TCSPF (HOT)	W/W	6.63	6.12	5.64	7.036
HSPF (HOT)	W/W	5.27	5.36	4.90	5.068
TCSPF (in Average)	W/W	6.08	5.67	5.31	6.371
HSPF (in Average)	W/W	4.88	4.74	4.31	4.313
TCSPF (Cold)	W/W	6.26	5.89	5.57	6.692
HSPF (Cold)	W/W	4.41	4.24	3.80	3.601
Energy star rating for Cooling New-HOT		5	4.5	4	5.5
Energy star rating for Heating New-HOT		3.5	3.5	3.0	3.5
Energy star rating for Cooling New-Average		4.5	4	3.5	4.5
Energy star rating for Heating New-Average		3	3	2.5	2.5
Energy star rating for Cooling New-Cold		4.5	4	4	5
Energy star rating for Heating New-Cold		2.5	2.5	2	2
Refrigerant (Type / kg)		R32/0.8	R32/0.92	R32/1.58	R32/1.8
Indoor Unit Sound Level (High)	dB(A)	39	46	47	54
Indoor Unit Sound Level (Silent)	dB(A)	25	32	32	56
Indoor Unit Sound Power Level	dB(A)	59	59	65	70
Outdoor Unit Sound Power Level	dB(A)	59	60	69	70
Power Supply					
Voltage, Frequency, Phase		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)	7.9 (2.8~16)
	Heating (A)	3.0 (0.8~5.8)	4.4 (1.5~8.4)	11.0 (3.3~18.5)	10.5 (3.3~18)
Max	W	850/950	1250/1400	3400/4000	2900/3100
	A	5.1/5.8	7.5/8.4	16.5/18.5	16/18
System					
Compressor Type		Rotary			
Expansion Device		EEV			
Evaporator		Copper tube and Aluminium Fin			
Condenser		Copper tube and Aluminium Fin			
Connecting Pipe Diameter					
Liquid Pipe	inch	1/4	1/4	3/8	3/8
Gas Pipe	inch	3/8	3/8	5/8	5/8
Features					
3DC (Indoor motor+outdoor motor+compressor)		Yes	Yes	Yes	Yes
Vertical Auto Swing Louver		Yes	Yes	Yes	Yes
Horizontal Auto Swing Louver		Yes	Yes	Yes	Yes
Hidden Display		Yes	Yes	Yes	Yes
LCD Wireless Remote Controller		Yes	Yes	Yes	Yes
Removable and Washable Panel		Yes	Yes	Yes	Yes
Washable PP Filter		Yes	Yes	Yes	Yes
24 Hours Timer		Yes	Yes	Yes	Yes
5 Speed and Auto Indoor Fan Control		Yes	Yes	Yes	Yes
Dimmer		Yes	Yes	Yes	Yes
Sleep Operation		Yes	Yes	Yes	Yes
Smart Function		Yes	Yes	Yes	Yes
Super Function		Yes	Yes	Yes	Yes
Auto Restart		Yes	Yes	Yes	Yes
Other					
Net Dimensions WxHxD (mm)	Indoor Unit	850×270×208	850×270×208	1131×315×238	1323×363×276
	Outdoor Unit	780×540×260	810×585×280	900×750×340	900×750×340
Net Weight (kg)	Indoor Unit	9	9	13	18.5
	Outdoor Unit	30	33	52	52
Packing Dimensions WxHxD (mm)	Indoor Unit	900×335×260	900×335×260	1220×400×310	1425×460×395
	Outdoor Unit	910×600×360	940×630×385	1060×820×450	1060×820×450
Gross Weight (kg)	Indoor Unit	11	11	16	22.8
	Outdoor Unit	33	36	56	56
Loading Capacity (40"HC)		264	228	125	60