

SPLIT SYSTEM AIR CONDITIONERS

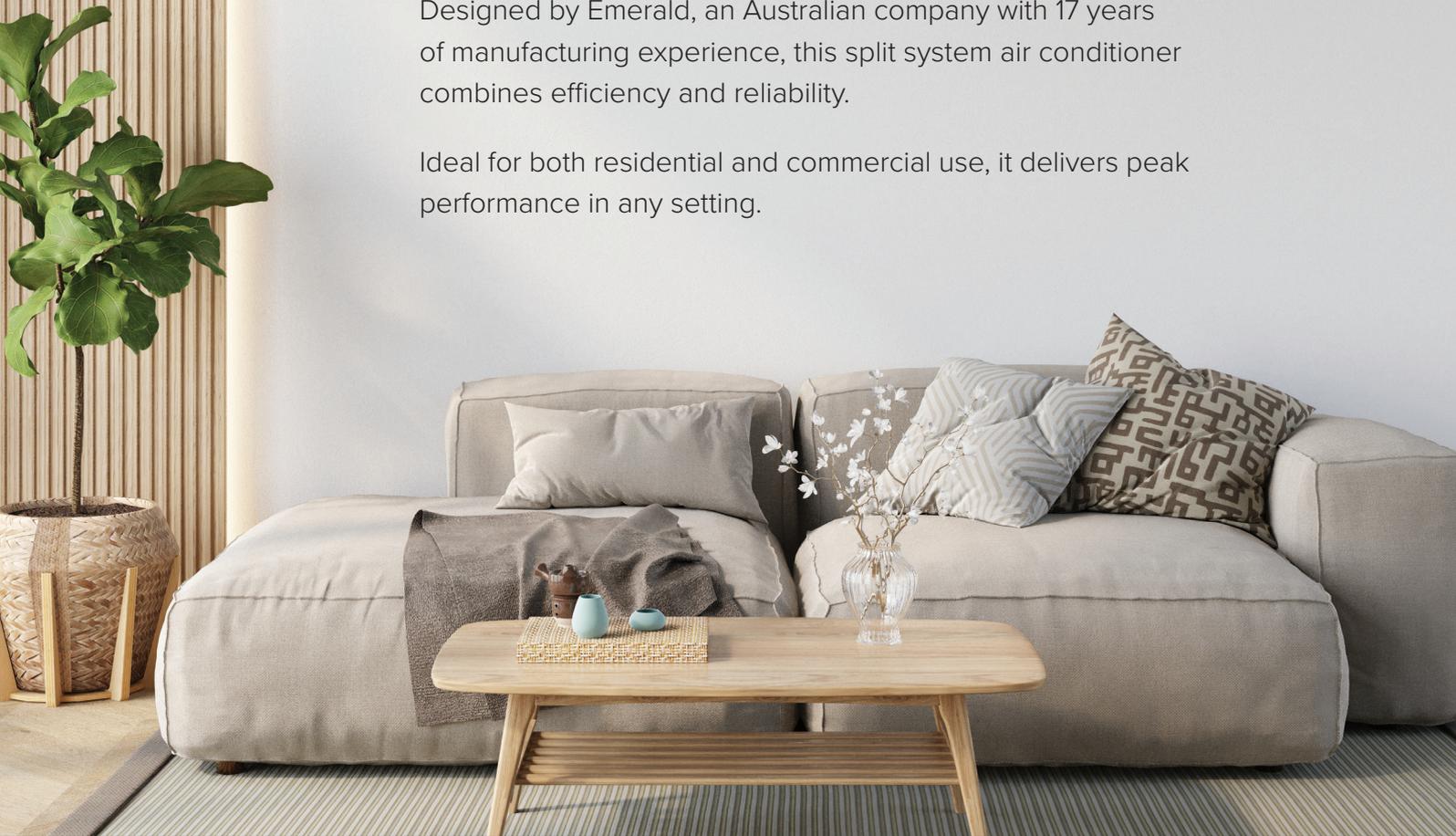
2.5kW, 3.5kW, 5.0kW, 7.2kW

Emerald. Designing a sustainable, safer future.



Designed by Emerald, an Australian company with 17 years of manufacturing experience, this split system air conditioner 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

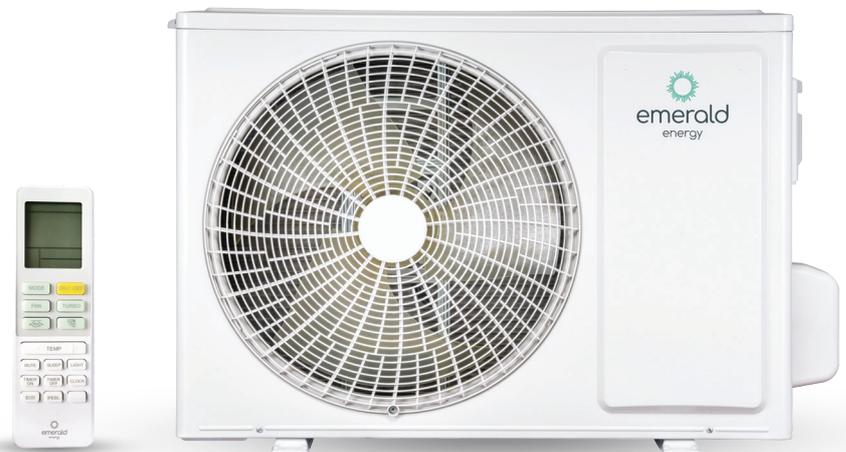
Stuart Edgley

Why choose an Emerald Split System Air Conditioner?

The Emerald split system air conditioner 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, 5.0kW, and 7.2kW, you can find the perfect fit for any sized room in your property.



EMERALD AC LINK
EEMS-AIR-RF-WIFI

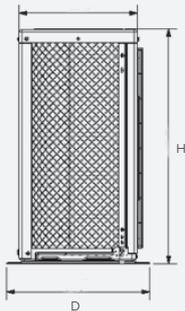
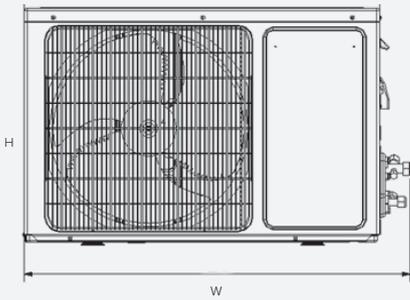
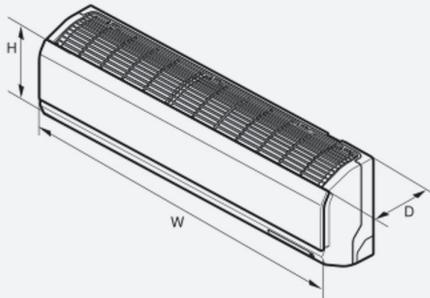
Control your air conditioner - anytime, anywhere.
Compatible with Emerald's Smart Thermostat.



FEATURES

- DC Inverter Technology
- ECO Mode
- I FEEL Mode
- Quiet Mode
- Silver Ion Filter
- Self Cleaning
- Fast Cooling
- Anti-corrosion Design

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
ACSS50	1131×315×238	860×667×310
ACSS72	1131×315×238	860×750×310

RECOMMENDED SIZES		
Room size	Example room	Recommended heating output
Small (up to 20m ²)	Bedroom, study	2.5 to 3kW
Medium (21-40m ²)	Bedroom with ensuite, small lounge	3 to 5kW
Large (41-60m ²)	Lounge, large kitchen	5 to 8kW
Very large (more than 60m ²)	Open plan areas, large lounges	+8kW



INVERTER TECHNOLOGY

High energy, low cost.

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



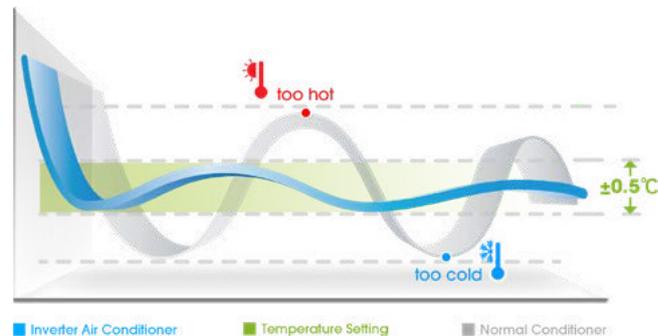
Fast cooling.

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

The Emerald split system air conditioner 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 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 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.

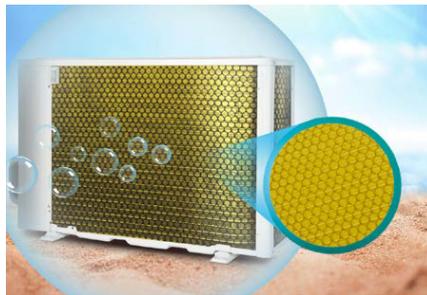
Emerald's air conditioning units are engineered for durability and longevity, boasting outstanding anti-corrosion capabilities.

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	ACSS50	ACSS72
Description		Emerald 2.5kW AC Split System	Emerald 3.5kW AC Split System	Emerald 5.0kW AC Split System	Emerald 7.2kW AC Split System
Ratings					
Cooling Capacity	W	2500	3500	5000	7200
Heating Capacity	W	3200	3700	5300	7500
Rated Input-Cooling	W	520	810	1230	1840
Rated Input-Heating	W	670	830	1240	1910
Moisture Removal	L/H.r	0.9	0.9	2.0	2.5
Air Circulation	m ³ /h	620	620	1200	1200
EER	W/W	4.81	4.32	4.07	3.91
COP	W/W	4.78	4.46	4.24	3.93
AEER	W/W	4.76	4.29	4.01	3.90
ACOP	W/W	4.74	4.42	4.22	3.91
TCSPF (HOT)	W/W	6.63	6.12	6.14	5.64
HSPF (HOT)	W/W	5.27	5.36	5.12	4.90
TCSPF (in Average)	W/W	6.08	5.67	5.51	5.31
HSPF (in Average)	W/W	4.88	4.74	4.56	4.31
TCSPF (Cold)	W/W	6.26	5.89	5.74	5.57
HSPF (Cold)	W/W	4.41	4.24	3.96	3.80
Energy star rating for Cooling New-HOT		5	4.5	4.5	4
Energy star rating for Heating New-HOT		3.5	3.5	3.5	3.0
Energy star rating for Cooling New-Average		4.5	4	4	3.5
Energy star rating for Heating New-Average		3	3	3	2.5
Energy star rating for Cooling New-Cold		4.5	4	4	4
Energy star rating for Heating New-Cold		2.5	2.5	2	2
Refrigerant (Type / kg)		R32/0.8	R32/0.92	R32/1.2	R32/1.58
Indoor Unit Sound Level (High)	dB(A)	39	46	47	47
Indoor Unit Sound Level (Silent)	dB(A)	25	32	32	32
Indoor Unit Sound Power Level	dB(A)	59	59	64	65
Outdoor Unit Sound Power Level	dB(A)	59	60	63	69
Power Supply					
Voltage, Frequency, Phase		220-240V/50Hz-1Ph	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)	5.5 (1.4~10)	11.0 (2.8~16.5)
	Heating (A)	3.0 (0.8~5.8)	4.4 (1.5~8.4)	7.3 (1.5~11)	11.0 (3.3~18.5)
Max	W	850/950	1250/1400	2100/2300	3400/4000
	A	5/1/5.8	7.5/8.4	12/13.1	16.5/18.5
System					
Compressor Type		Rotary	Rotary	Rotary	Rotary
Expansion Device		EEV	EEV	EEV	EEV
Evaporator		Copper tube and Aluminium Fin			
Condenser		Copper tube and Aluminium Fin			
Connecting Pipe Diameter					
Liquid Pipe	inch	1/4	1/4	1/4	3/8
Gas Pipe	inch	3/8	3/8	1/2	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	1131×315×238
	Outdoor Unit	780×540×260	810×585×280	860×667×310	900×750×340
Net Weight (kg)	Indoor Unit	9	9	13	13
	Outdoor Unit	30	33	51	52
Packing Dimensions WxHxD (mm)	Indoor Unit	900×335×260	900×335×260	1220×400×310	1220×400×310
		910×600×360	940×630×385	995×720×420	1060×820×450
Gross Weight (kg)	Indoor Unit	11	11	16	16
	Outdoor Unit	33	36	54	56
Loading Capacity (40°HC)		103/220/264	96/198/228	60/128/148	54/110/125