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

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 and 7.2kW, you can find the perfect fit for any sized room on your property.

EMERALD AC LINK
EEMS-AIR-RF-WIFI
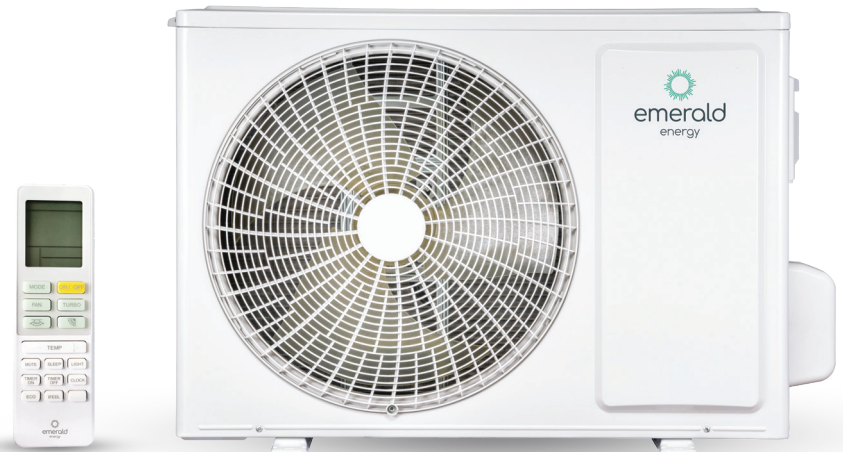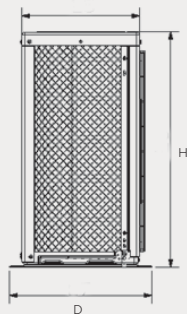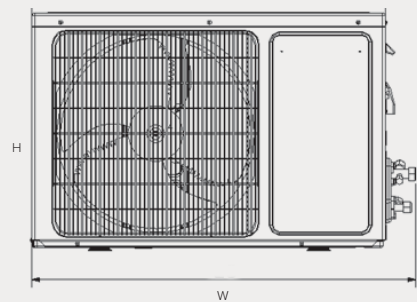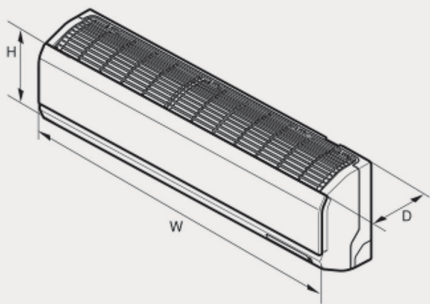
Control your air conditioner - anytime, anywhere
Compatible with Emerald's Smart Thermostat.

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
ACSS72	1131×315×238	900x750x340

RECOMMENDED SIZES		
Room size	Example room	Recommended heating output
Small (up to 20m²)	Bedroom, study	2.5kW
Medium (21-28m²)	Bedroom with ensuite, small lounge	3.5kW
Large (up to 60m²)	Lounge, large kitchen	7.2kW

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.


360°DC Inverter Technology

Standard Inverter Technology

Hz 10 30 90 150
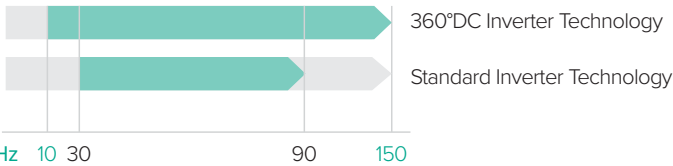
Fast cooling

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.

too hot

±0.5℃

too cold

■ Inverter Air Conditioner   ■ Temperature Setting   ■ Normal Conditioner
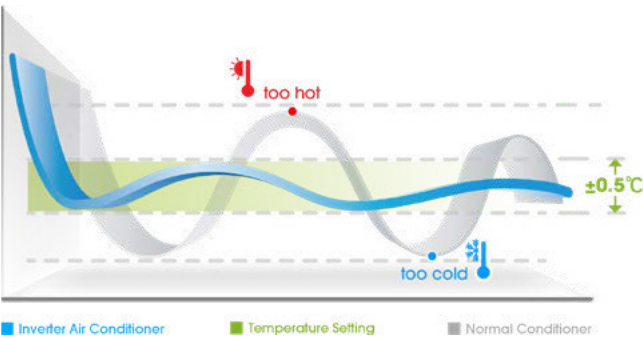
ECO MODE

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.

Golden

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.
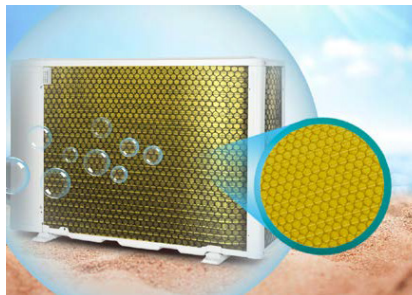
1500 hour of anti-salt spray
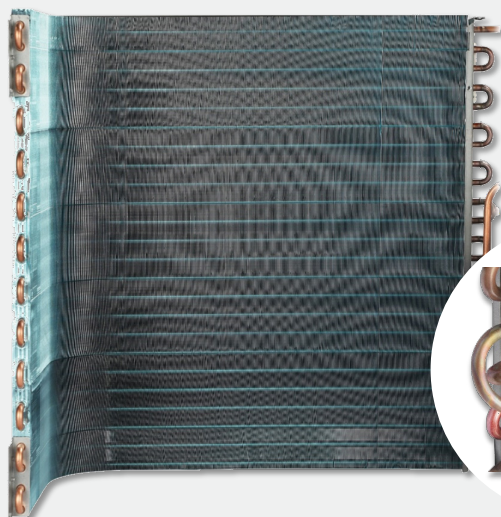
Anti-corrosion fin	1500hr
Normal fin	500hr
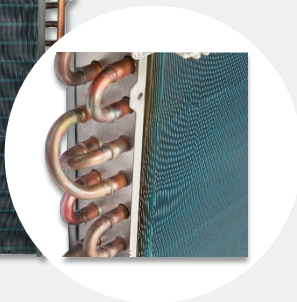
Special coating on both ends of the evaporator and condenser

Protection level >9.8 significantly higher than regular fins

Specifications

MODEL NO.		ACSS25	ACSS35	ACSS72
Description		Emerald 2.5kW AC Split System	Emerald 3.5kW AC Split System	Emerald 7.2kW AC Split System
Ratings				
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	m³/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
Power Supply				
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	5.1/5.8	7.5/8.4	16.5/18.5
System				
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
Connecting Pipe Diameter				
Liquid Pipe	inch	1/4	1/4	3/8
Gas Pipe	inch	3/8	3/8	5/8
Features				
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
Other				
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
Loading Capacity (40'HC)		103/220/264	96/198/228	54/110/125