

ADVANCE



Powerful performance
with complete control.



actronair.com.au



Because Australia needs **Australian air conditioning.**

Ah, the nostalgic year of 1984—'Advance Australia Fair' became our National Anthem, the beloved one-dollar coin started circulating, and a small family air conditioning business opened its doors.

Fast forward to today, and ActronAir stands tall as an example of Australian excellence, renowned for creating air conditioners that are truly in a class apart. And why wouldn't we be? After all, our passionate team at ActronAir lives and breathes the very same harsh Australian conditions that put our air conditioning to the test.

Our climate has a knack for throwing challenges at us that others simply can't fathom. That's why ActronAir's engineers have taken up the challenge, developing the most advanced air conditioning systems with intelligent zoning and control solutions specifically crafted to conquer the unique demands of our harsh Australian environment.

DESIGNED.

Millions of Aussies
take comfort
in **ActronAir.**

A superior design, made in Australia, for Australia.

Most overseas air conditioners are only designed with a maximum temperature range of 43°C to 46°C. The made-in-Australia for Australia **Advance** operates up to 54°C*. Big deal? Yes. The temperature around the outdoor unit can reach far higher than what they're saying on the weather report due to direct sun or heat radiating off the ground. They're often located against the wall or fence where there's low air circulation.

That's why ActronAir's **Advance** is designed with Vertical Discharge. Expelling the air to the space above the unit avoids recirculation which reduces performance and increases operating costs. It's a simple solution but has a big impact. Better comfort, more performance, and greater reliability. Vertical Discharge is just one of the ways **Advance** is designed to perform better in Australian conditions than any other brand.

See our Vertical
Discharge in
Action!



* Operating range based on air temperature entering the outdoor unit heat exchanger.



FEATURES.

Maintain comfort without breaking the bank

With Tru-Inverter and Variable fan technology, the **Advance** system can automatically adjust its capacity and airflow to provide only the conditioning that is required, thereby reducing your running costs by up to \$5,500 over 5 years.*

* Based on electricity price of 30c per kW/H and the cooling energy consumption, this translates to a saving of up to \$1100 per annum compared to conventional fixed speed systems.

Save up to
\$5,500
 on energy bills
 over 5 years*

Australian Made Comfort

Enjoy the peace of mind that comes with our Australian owned, designed, and manufactured product. Innovative controls, a thoughtfully designed indoor unit, intelligent zoning, and a robust vertical discharge outdoor unit are all tailored for the way Australians truly live.

R32 Refrigerant

ActronAir is environmentally aware and considers the potential impact of the refrigerants it uses. That's why **Advance** utilises R32*, with a substantially lower Global Warming Potential than some alternative refrigerants, while enjoying the benefits of optimised energy efficiency.

*R32 available in 13.00 - 17.00kW.

Variable Fan Technology

Unlike other systems who typically can only ramp down to 60% at best, forcing you to pay for conditioned air you are not using, the **Advance** series can ramp its indoor fan speed down as low as 30%*, allowing it to deliver just the right amount of conditioned air - no more dump zones, no more soaring power bills.

Smarter Startup

In heating, the **Advance** indoor unit heats up to a preset temperature before the fan turns on, making sure warm air is delivered, avoiding cold drafts.



Built Aussie Tough

The **Advance** systems is designed to last in our uniquely challenging climate. Powder coated to provide a tough durable finish that is highly resistant to corrosion, with a louvered grille, protecting it from the elements like direct sunlight and hail, or stray balls kicked by children playing in the backyard, as well as Hydrophilic blue fin coil coat providing additional protection to reduce corrosion and increase durability in high temperature and coastal environments. Advance is built Aussie tough.

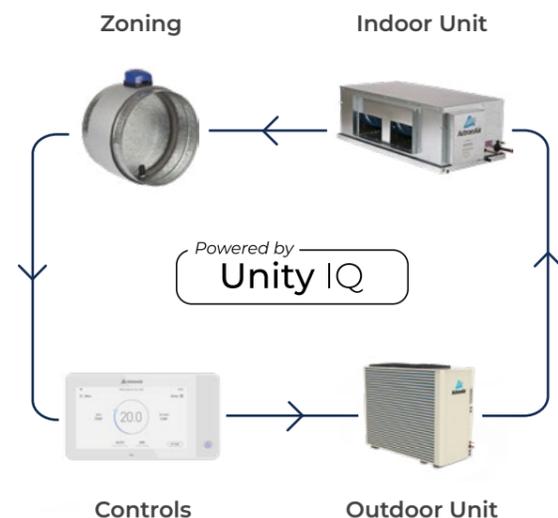
Quiet Operation

We believe in keeping you comfortable inside and outside of your home. That's why **Advance** uses the latest technologies such as inverter compressors, modulating EC indoor and outdoor fans and compressor jacket consisting of high performance acoustic cotton to absorb noise and vibration from the compressor, all designed to keep noise to a minimum.



Better Together with Unity IQ.

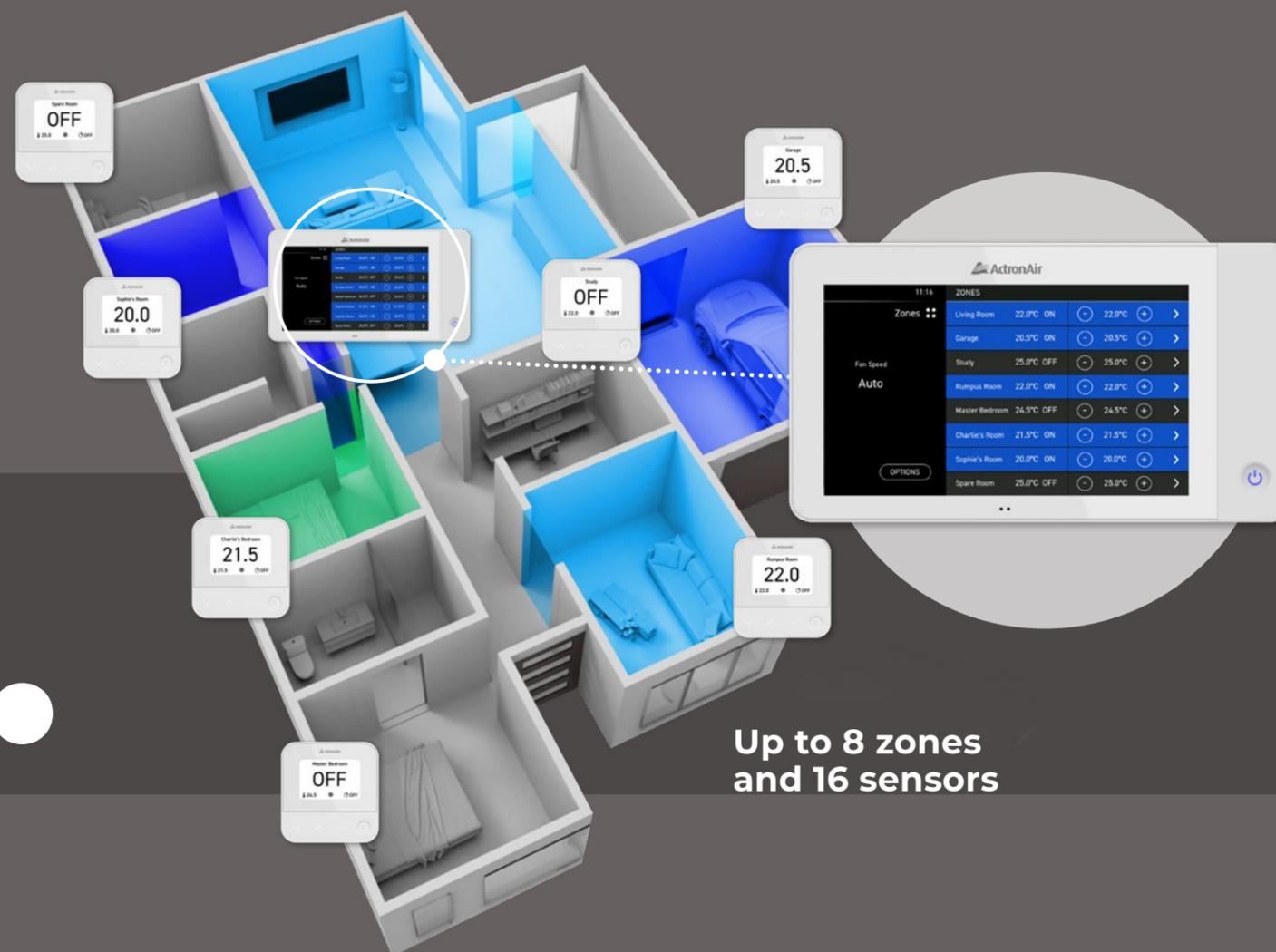
Advance seamlessly operates using sophisticated **Unity IQ** control logic. This unique harmonious combination ensures that our variable speed compressor and variable indoor fan, along with our zoning and control solutions operate in perfect synergy, delivering the precise comfort you desire.



Individual Zoning

Individual room zoning is a premium zoning option that allows you to divide your home into multiple individual zones, each of which can be conditioned separately from one another, giving you precise control over your comfort and better energy savings. Operating with Variable Fan Technology, you can condition as little as one room, delivering savings that pay for themselves!

Find out how much individual zoning can save you



Up to 8 zones and 16 sensors

ZoneAware™ Technology

Discover a new level of comfort control with **Advance**. Install up to 16 discreet remote temperature sensors around your house. Sensors intuitively activate based on zones you operate, delivering more precise temperature measurements for enhanced comfort and efficiency. Makes Sense!

Air Conditioning tailored to suit you

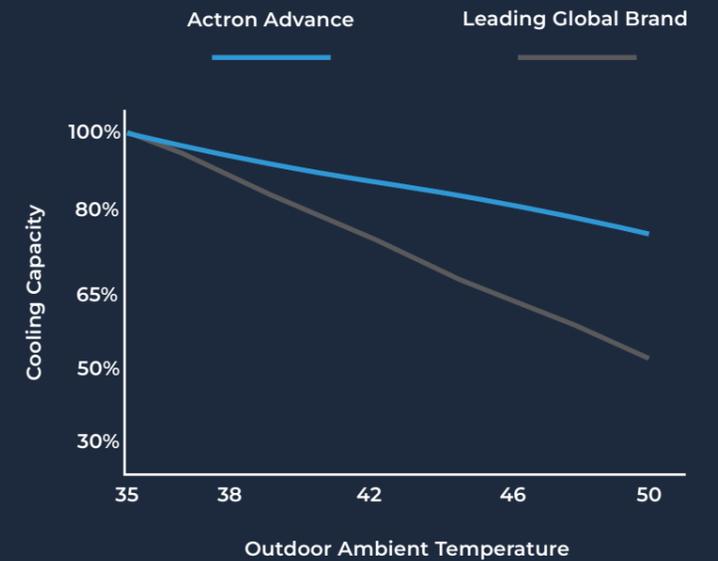
Say Goodbye to battles over temperature set points with the ultimate zoning option. With individual temperature control, coupled with individual zoning, you can set different temperatures in different rooms at the same time, for the best in comfort and efficiency. All made possible with ActronAir's unique **Unit IQ** featuring inverter compressor, variable fan & Sense More technology.



PERFORMANCE.

Power Cooling Technology

The funny thing with air conditioners is that the amount of cooling they can provide you, known as their capacity, gets worse as the temperature around the outdoor unit gets hotter. Unique Power Cooling technology means that our systems maintain their ability to keep you comfortable far better, with our **Advance** being able to provide almost 80% of its cooling capacity when its 50°C while some others barely manage 55%, or worse, just call it quits.



Turbocharge your comfort

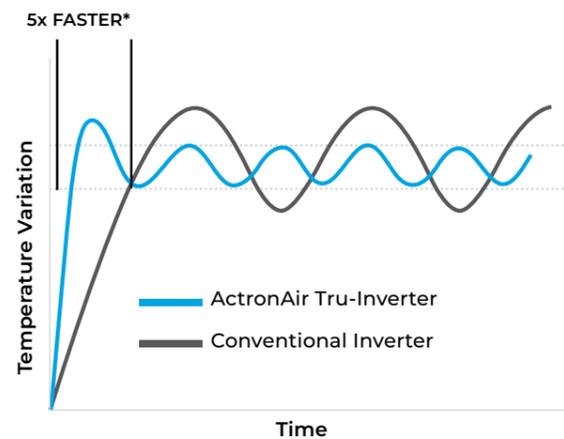
If you're in a rush to get comfortable, Turbo mode will get you there fast, allowing **Advance** to run at a higher capacity for a short period to reach your desired temperature as quickly as possible.*

* Turbo mode operates for a period of 30 minutes

* The above illustration showcases Power Cooling Technology in action in high ambient temperatures. ActronAir Advance VS a Leading Global Brand

TRU-Inverter Technology

Introduced to the air conditioning by ActronAir, the name says it all. A vastly more precise inverter technology, it gets to the desired temperature faster, smoother and maintains tighter temperature control. That means more comfort and a more comfortable electricity bill.



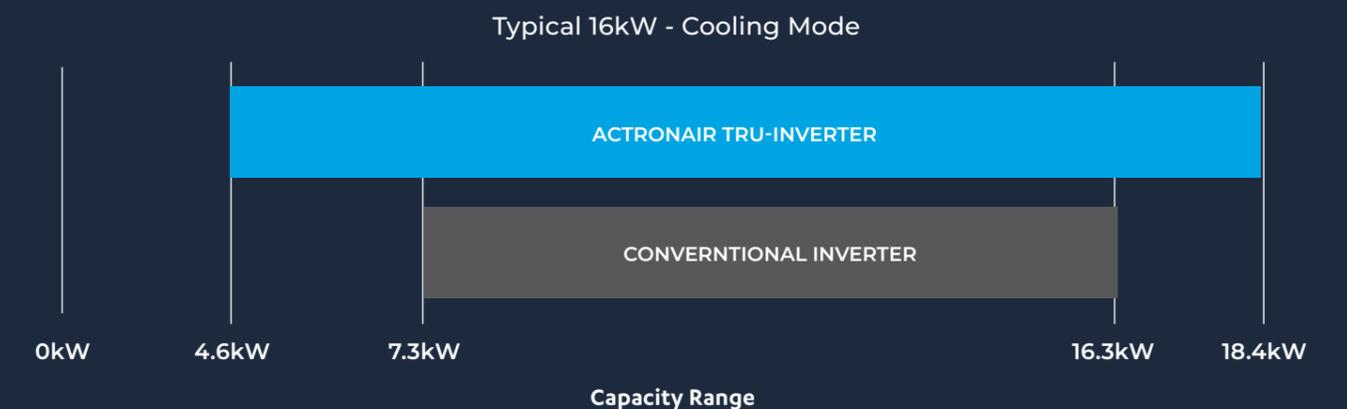
*Subject to room size and conditions.

Wide Capacity Range

The **Advances** Tru-Inverter compressor has a wide capacity range, operating as low as 30% of its rated capacity, reducing its operating cost and sound levels at the same time.

Tru Max Technology

Advance systems come with TruMax technology which allows for powerful heating and cooling in extreme conditions, right when you need it most.



Example of Advance CRV17AS / EVV17AS vs Conventional inverter



CONTROL.

Award Winning NEO. It Truly is control in style.

NEO is ActronAir's latest entry in a line of award-winning control products. Building on the unique design and superior performance that ActronAir controls are known for, NEO brings the best in premium control technology to more people than ever before.



Intuitive Interface

Control your entire system with a touch of a finger. Whether changing the temperature or adjusting the 7-day time clock, the NEO's 7" backlit screen displays an interface that is simple, intuitive, and easy to use.

Integrated Zoning

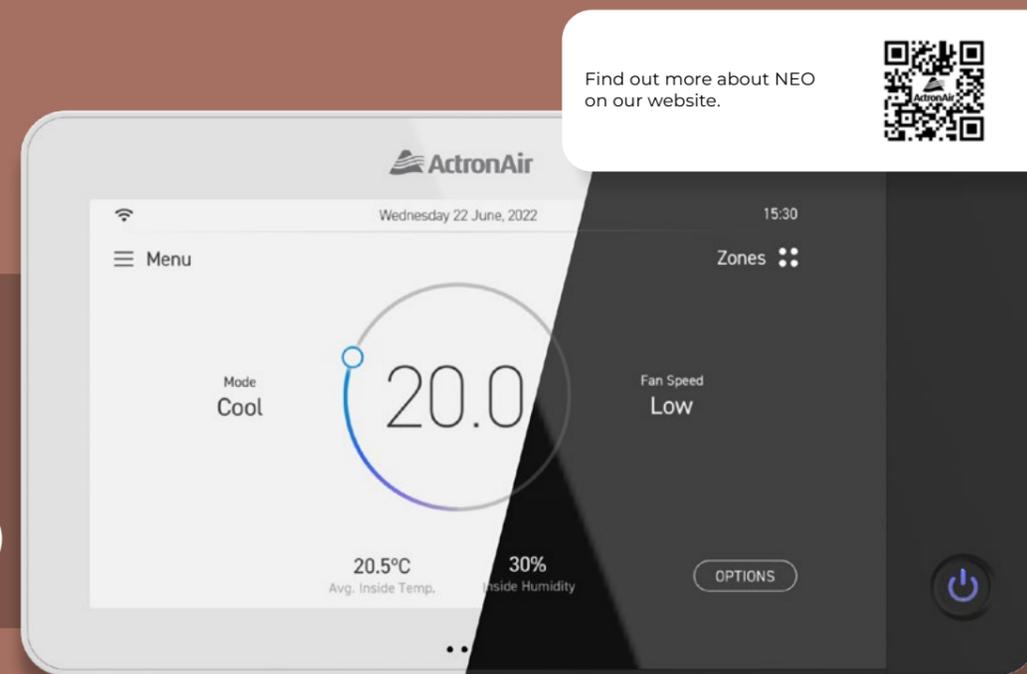
No need for clunky bolt-on zoning modules - NEO comes with zoning integrated as standard, allowing you to control all of your zones from the NEO Touch Controller. Best of all, each zone can easily be updated with a custom name that suits you best.

Easy Operating

The master controller comes with Near Field Communication (NFC) included as standard, providing quick and easy access to operating instructions on your smartphone or device.

Temperature/Humidity Sensor

On-board temperature and humidity sensors mean the NEO Touch Controller displays precise indoor room temperature and humidity levels.



Find out more about NEO on our website.



NEO TOUCH
Physical Dimensions (H x W x D): 118mm x 212mm x 17mm

LED Wall Glow

Unique color-coded LED Wall Glow means you always know when your system's on and what mode it's in.

Precise Comfort Control

Set your temperature in 0.5°C increments, allowing you to choose the temperature that suits you best.

Stay up to date with Over-the-air updates

Software updates happen securely and effortlessly via Wi-Fi, ensuring your controller and system always have the most recent software version.

Configurable Proximity Sensor

When you approach the NEO controller, it automatically comes to life, waiting for your next command.



SMART.

Come home to comfort with the **NEO Connect mobile app.**

NEO Connect app, revolutionising the way you interact with your air conditioner! Now, you can effortlessly access and take full control of your ActronAir system using your smartphone or tablet, no matter where you are.

Geo-Fencing

With our innovative Geo-Fencing feature, your ActronAir system seamlessly adapts to your movements. As you approach or leave your home, the app triggers your AC to turn on or off accordingly. Experience unparalleled comfort and enjoy the peace of mind that comes with knowing your air conditioner is always in sync with your lifestyle.



Connect to comfort from **anywhere.**

Requires internet access

available on:



Home Connectivity

Home connectivity with Google Home and Amazon Alexa is making your life simpler and more convenient, so you can now control your air conditioner with the simple sound of your voice.



"Hey Google, set NEO to cool"

"Hey Google, set NEO to 22°C"

"Hey Google, what is the temperature on NEO"



PRECISE.

Wireless Convenience

NEO Zone and NEO Sense remote temperature sensors, available in Ceramic White and Jet Black, are not hindered by cables thanks to long-range Bluetooth technology and their ability to be powered by a battery. Enjoy the freedom to install the devices where you need it most.

Precise Temperature Control

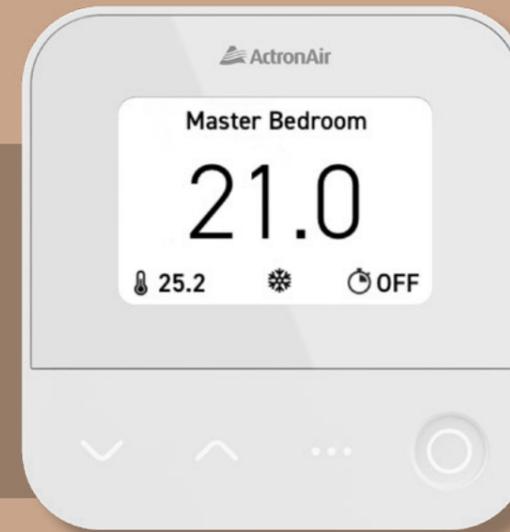
Advance with Sense More Technology allows for up to 16 temperature sensing points, which allows them to maintain consistent temperature throughout your home no matter the time of day.

Take Control of Your Comfort

With the NEO Zone, turn the zone on and off, adjust the set point and even set your own personalised timer allowing you to take complete control of the comfort and efficiency of your zone.

Control your comfort easily with NFC Connectivity

With NFC connectivity you can manage the temperature of the whole home or a specific zone by simply swiping your compatible smart phone or tablet over NEO Sense.



NEO ZONE
Physical Dimensions (H x W x D):
90mm x 93mm x 19mm



NEO SENSE
Physical Dimensions (H x W x D):
80mm x 83mm x 19mm



NEO Comfort Stand

The NEO Comfort Stand allows for any connected zone device to be placed in a location that matters most to you. Providing you a better option to sense and operate your zone, whether it be at your study desk, or next to your bed, NEO Zone or NEO Sense will sense and perform, delivering comfort more accurately and effectively.

CONTROL.

Choose the colour that suits your home.

Choose between sleek grey or white options and enjoy the attractive, user-friendly design of the **L Series**. Packed with features like NFC and integrated zoning, it seamlessly integrates with the **Advance** series for optimal control and performance. Experience the perfect harmony between controller and air conditioner with the **L Series**.

Intuitive Interface

The **L Series** controller combines an appealing design with user-friendly functionality. Its intuitive interface employs clear, understandable language for effortless control, offering a seamless user experience.

Simple Functions

The convenience of scheduling up to 2 events per day with the 7-Day time clock and/or the use of a 24-hour program, allowing you to schedule your preference and then simply 'set and forget'.

Integrated Zoning

An 8-zone touchpad is conveniently integrated into the master controller, removing the need for you to install a standalone zoning control on your wall.

Easy Operating

The master controller comes with Near Field Communication (NFC) included as standard, providing quick and easy access to operating instructions on your smartphone or device.



LR7
Physical Dimensions (H x W x D): 130mm x 130mm x 14.4mm

Operates with over 40 home systems

The **Advance** also has the ability to operate with a bridging platform that, when used in conjunction with an ActronAir BMS card, can assist in integrating with over 40 home automation systems, including:



Technical Specifications



Advance System Single Phase (13.00-17.00kW)

Technical Information				
Model	Outdoor	CRV13BS	CRV15BS	CRV17BS
⁽¹⁾ Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Indoor	EVV13BS	EVV15BS	EVV17BS
	Cooling (Rated)	13.25	15.10	17.40
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Heating (Rated)	12.60	14.70	16.80
	Cooling (Min/Rated/Max)	4.10 / 13.00 / 14.50	4.35 / 14.80 / 16.50	4.65 / 17.00 / 18.50
Input Power (kW) (AS/NZS3823.1.2)	Heating (Min/Rated/Max)	3.80 / 12.85 / 15.00	4.48 / 15.00 / 17.50	5.30 / 17.20 / 19.20
	Cooling (Rated)	3.84	4.46	5.10
⁽²⁾ EER Rated (AS/NZS3823.1.2)	Heating (Rated)	3.37	4.09	4.74
	Cooling (Rated)	3.38	3.32	3.33
⁽³⁾ COP Rated (AS/NZS3823.1.2)	Heating (Rated)	3.81	3.67	3.63
	Power Supply - (V/Ph/Hz)	230V / 1PH + N / 50Hz		
Rated Amps (AS/NZS3823.1.2)	Indoor	230V / 1PH + N / 50Hz		
	Total	16.90	19.24	21.90
Full Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	27.30 / 4.30 / 31.60	27.40 / 3.80 / 31.20	30.30 / 4.20 / 34.50
	⁽⁴⁾ Circuit Breaker Amps (Suggested)	32		
IP Rating	Outdoor	IP44		
	Indoor	IP20		
Compressor	Type / No. Unit	Inverter Variable Speed Scroll / 1		
	Starting Method	Inbuilt Soft Starting		
No. of Refrigeration Circuits / No. of Capacity Stages	1 / Variable			
Refrigerant	R32			
Fans (Type x Number per Unit)	Outdoor	Axial / EC Motor x 2		
	Indoor	Twin Centrifugal / EC Motor x 1		
Airflow Indoor (l/s)	Maximum	780	920	1060
	Nominal	650	770	890
	Minimum	230	260	300
Outdoor Dimensions (mm)	Depth	530		
	Height	1110		
	Width	1365		
Indoor Dimensions (mm)	Depth	615	680	
	Height	412	435	
	Width	1090	1290	1420
⁽⁵⁾ Nominal Weights (kgs)	Outdoor	148		155
	Indoor	44	53	61
⁽⁶⁾ Sound Pressure Level (dBA) @ 1m	Outdoor (quiet/rated/max)	50.90 / 58.00 / 60.50	52.80 / 58.80 / 62.00	52.90 / 62.00 / 62.00
⁽⁷⁾ Sound Power Level (dBA)	Outdoor (quiet/rated/max)	64.10 / 71.30 / 73.60	66.00 / 75.10 / 75.10	65.70 / 75.10 / 75.10
MEPS Compliant	Yes			
Demand Response Capability (AS4755.3)	Yes			
BMS and Home Automation Compatibility (ICUNO-MOD)	Yes			
Hydrophilic Blue Fin Coil Coat Protection - Indoor & Outdoor Coils	Yes			
Home Automation / Remote On / Off Capability	Yes			
Manual Inputs Capable for Third party Control	Yes			
Maximum Number of Zones	8			
Run & Fault Indication	Yes			
Two Piece Indoor Option	Yes			
Operating Range	-15°C up to 52°C			

Technical Specifications



Advance System Three Phase (13.00-25.00kW)

Technical Information							
Model	Outdoor	CRV13BT	CRV15BT	CRV17BT	CRV19BT	CRV210T	CRV240T
⁽¹⁾ Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Indoor	EVV13BS	EVV15BS	EVV17BS	EVV19BS	EVV210S	EVV240S
	Cooling (Rated)	13.25	15.10	17.40	19.36	19.40	22.06
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Heating (Rated)	12.60	14.70	16.80	18.64	19.60	22.50
	Cooling (Min/Rated/Max)	4.10 / 13.00 / 14.50	4.35 / 14.80 / 16.50	4.65 / 17.00 / 18.50	6.48 / 19.00 / 21.00	5.20 / 19.00 / 21.00	5.20 / 21.50 / 23.75
Input Power (kW) (AS/NZS3823.1.2)	Heating (Min/Rated/Max)	3.80 / 12.85 / 15.00	4.48 / 15.00 / 17.50	5.30 / 17.20 / 19.20	5.58 / 19.00 / 20.00	4.60 / 20.00 / 23.00	5.00 / 23.00 / 24.50
	Cooling (Rated)	3.77	4.33	5.06	5.54	5.70	6.10
⁽²⁾ EER Rated (AS/NZS3823.1.2)	Heating (Rated)	3.08	3.93	4.58	5.08	5.50	6.57
	Cooling (Rated)	3.44	3.42	3.36	3.43	3.33	3.52
⁽³⁾ COP Rated (AS/NZS3823.1.2)	Heating (Rated)	4.18	3.82	3.75	3.74	3.64	3.50
	Power Supply - (V/Ph/Hz)	400V / 3Ph + N / 50Hz					
Rated Amps (AS/NZS3823.1.2)	Indoor	230V / 1PH + N / 50Hz					
	Total	7.20	8.80	11.50	11.00	11.40	12.20
Full Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	7.89 / 3.90 / 11.70	10.10 / 3.90 / 14.00	10.80 / 4.20 / 15.00	12.48 / 4.63 / 17.11	16.40 / 5.50 / 21.90	16.60 / 6.00 / 22.60
	⁽⁴⁾ Circuit Breaker Amps (Suggested)	16					
IP Rating	Outdoor	IP44					
	Indoor	IP20					
Compressor	Type / No. Unit	Inverter Variable Speed Scroll / 1					
	Starting Method	Inbuilt Soft Starting					
No. of Refrigeration Circuits / No. of Capacity Stages	1 / Variable Capacity						
Refrigerant	R32				R410a		
Fans (Type x Number per Unit)	Outdoor	Axial / EC Motor x 2					
	Indoor	Twin Centrifugal / EC Motor x 1					
Airflow Indoor (l/s)	Maximum	780	920	1060	1200	1230	1360
	Nominal	650	770	890	1000	1020	1130
	Minimum	230	260	300	375	350	400
Outdoor Dimensions (mm)	Depth	530				685	
	Height	1110				1105	
	Width	1365				1685	
Indoor Dimensions (mm)	Depth	615	680	645	695		
	Height	412	435	485	485		
	Width	1090	1290	1420	1470	1470	
⁽⁵⁾ Nominal Weights (kgs)	Outdoor	148		155	142	200	209
	Indoor	44	53	61	75	75	78
⁽⁶⁾ Sound Pressure Level (dBA) @ 1m	Outdoor (quiet/rated/max)	50.50 / 57.50 / 60.10	52.70 / 58.30 / 61.70	52.90 / 61.70 / 61.70	57.70 / 65.60 / 65.60	46.90 / 51.30 / 65.00	49.30 / 51.90 / 65.00
⁽⁷⁾ Sound Power Level (dBA)	Outdoor (quiet/rated/max)	63.60 / 70.50 / 72.90	65.50 / 71.40 / 74.60	65.70 / 74.60 / 74.60	69.00 / 77.50 / 77.50	61.30 / 65.70 / 79.60	63.70 / 65.80 / 79.60
MEPS Compliant	Yes						
Demand Response Capability (AS4755.3)	Yes						
BMS and Home Automation Compatibility (ICUNO-MOD)	Yes						
Hydrophilic Blue Fin Coil Coat Protection - Indoor & Outdoor Coils	Yes						
Home Automation / Remote On / Off Capability	Yes						
Manual Inputs Capable for Third party Control	Yes						
Maximum Number of Zones	8						
Run & Fault Indication	Yes						
Two Piece Indoor Option	Yes						
Operating Range	-15°C up to 52°C					-15°C up to 54°C	



Find out more
actronair.com.au/advance

Australian made products includes controls outdoor and indoor unit





ActronAir

Australian family owned
and operated since 1984

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