AIRES

ActronAir

Revel in quality and comfort all year round.

actronair.com.au

DESIGNED.

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

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 specifically crafted to conquer the unique demands of our harsh Australian environment.

Live better all year round with **AIRES comfort**

AIRES air conditioners are specifically made for Australian weather conditions, which can exceed temperatures of 46°C. Unlike most overseas air conditioners with a maximum operating temperature range of 43°C to 46°C, AIRES units operate up to 50°C.*

Its control and zoning options are designed to support the way Australians truly live, delivering enhanced comfort and energy savings. Revel in quality and comfort all year round and experience the peace of mind that comes with a dependable and efficient comfort solution.

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

FEATURES.

Better together with Unity IQ.

AIRES seamlessly integrates with our locally designed and manufactured control systems, featuring advanced **Unity IQ** control logic. This harmonious combination ensures that every component within the system operates in perfect synergy, delivering the precise comfort you desire.

Australian Made Comfort

Experience the peace of mind that comes with Australian-made controls and a thoughtfully designed indoor unit, complete with zoning designed for how Australians truly live.

Quiet Operation

Comfort comes not only in how you feel but also in what you hear, or with the **AIRES**, what you don't hear. Using the latest technologies such as variable speed DC Inverters, modulating DC outdoor fans, and smooth operating EC indoor fans, the **AIRES** has been designed with your noise comfort in mind.

Enhanced Performance

With its DC inverter technology, which allows its compressor to modulate, the **AIRES** system is able to deliver smooth capacity transitions to meet your heating and cooling demands.

Energy Efficient

Maintain comfort without breaking the bank. Using inverter technology, the **AIRES** system will automatically adjust its capacity to provide only the conditioning that is required, thereby reducing your running costs.

Single Fan Configuration 10kW and 13kW

R32 Refrigerant

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

Compact Space Saving Outdoor Unit

The **AIRES** outdoor unit features a sleek and compact design that provides you with the flexibility to install it in a range of locations. Save valuable space while enjoying powerful cooling and heating.

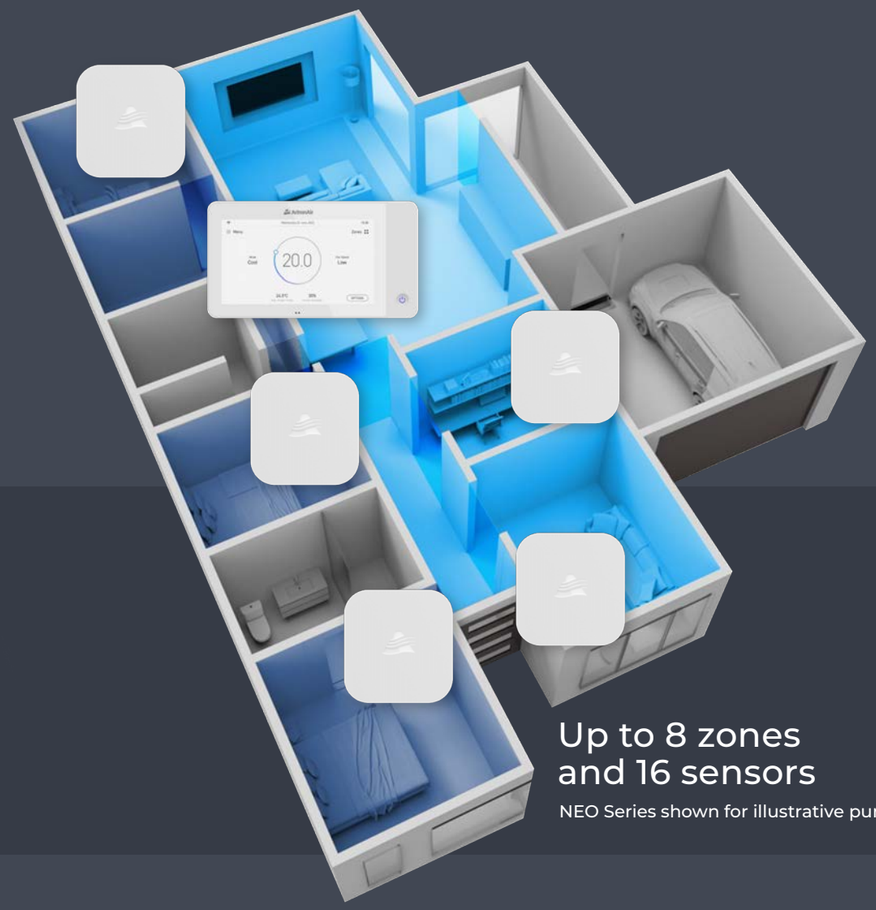
ZONING.

Achieve comfort and efficiency

By implementing zoning in your home's air conditioning system, you gain greater control over your comfort and energy expenses. Zoning involves dividing your living space into smaller areas that can be independently turned on or off.

Flexible Efficient Zoning

At ActronAir, we recognise that each home is unique, whether it has an open-plan living area or a private work-from-home space. That's why our **AIRES** control and zoning solutions are incredibly flexible, supporting a wide range of applications to deliver the comfort and efficiency you desire, tailored to your budget, ensuring the perfect balance of comfort and cost-effectiveness.



Up to 8 zones
and 16 sensors

NEO Series shown for illustrative purposes

Control Your Space

All indoor units come standard with integrated zoning ready for up to **8 zones**, providing you with the flexibility to zone your house to suit your needs. The more zones you have, the more savings you can achieve.

Better Temperature Sensing

ActronAir's best in class zoning allows you to install and assign remote temperature sensors to your zones for enhanced comfort. If that zone is not required, the intuitive control logic removes that sensor from operation.

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.

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.

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.

Physical Dimensions:
118mm x 212mm x 17mm (HxWxD)

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.

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

Contactless position transmitters detect when a person is moving towards the controller and automatically come to life.

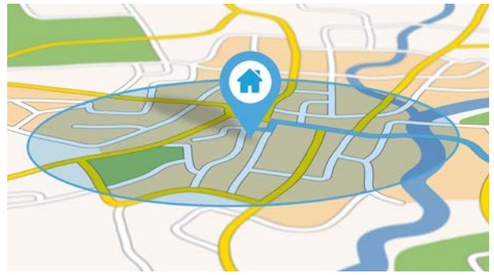
SMART.

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

NEO Connect app, revolutionizing 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.



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.

works with alexa

works with Google Home

"Hey Google, set NEO to cool"

"Hey Google, set NEO to 22°C"

"Hey Google, what is the temperature on NEO"

Connect to comfort from **anywhere.**

Requires internet access

available on:

Download on the App Store

GET IT ON Google Play

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 **AIRES** 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.

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.

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'.

Physical Dimensions 130mm x 130mm x 14.4mm (HxWxD)

Operates with over 40 home systems

The **AIRES** 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:

MyAir · VANTAGE · push · KNX · Control4 · SAVANT · ELAN

PRECISE.

Wireless Convenience

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 sensor where you need it most.

Only for NEO Sense

ZoneAware™ Technology

Discover a new level of comfort control with **AIRES**. 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!

NEO SENSE
Physical Dimensions:
80mm x 83mm x 19mm
(HxWxD)

L-Series sensor
Physical Dimensions:
63mm x 41mm x 9.4mm
(HxWxD)

NEO Comfort Stand

The **NEO Comfort Stand** allows for the **NEO Sense** to be placed in a location that matters most to you. Providing you with a portable option to sense, whether it be at your study desk or next to your bed, **NEO Sense** will sense and perform, delivering comfort more accurately and effectively.

Technical Specifications

AIRES System Single Phase (10.00-17.00kW)

Technical Information					
Model	Outdoor	CRS10AS	CRS13AS	CRS15AS	CRS17AS
	Indoor	EVA10AS	EVA13AS	EVA15AS	EVA17AS
(1)Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Rated)	10.40	13.30	15.75	17.40
	Heating (Rated)	10.15	14.70	16.40	18.90
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Min/Rated/Max)	3.89 / 10.00 / 12.34	5.55 / 13.02 / 15.01	5.94 / 15.40 / 17.26	6.54 / 17.00 / 19.32
	Heating (Min/Rated/Max)	3.13 / 10.52 / 13.57	4.69 / 15.00 / 17.03	5.10 /16.74 / 18.57	5.32 / 19.29 / 21.61
Input Power (kW) (AS/NZS3823.1.2)	Cooling (Rated)	2.97	3.89	4.41	5.02
	Heating (Rated)	3.06	4.27	4.72	5.50
(2)EER Rated (AS/NZS3823.1.2)	Cooling (Rated)	3.36	3.35	3.49	3.39
(3)COP Rated (AS/NZS3823.1.2)	Heating (Rated)	3.43	3.51	3.55	3.51
Seasonal Performance Factor Residential	TCSPF (Hot/Mixed/Cold)	4.45 / 4.10 / 4.22	4.50 / 4.21 / 4.37	4.68 / 4.39 / 4.55	4.39 / 4.14 / 4.27
	HSPF (Hot/Mixed/Cold)	3.21 / 3.64 / 4.13	3.42 / 3.86 / 4.33	3.41 / 3.86 / 4.32	3.33 / 3.84 / 4.39
Power Supply - (V/Ph/Hz)	Outdoor	230V / 1Ph + N- / 50Hz			
	Indoor	230V / 1Ph + N- / 50Hz			
Rated Amps (AS/NZS3823.1.2)	Total	13.80	18.60	20.80	24.30
Full Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	17.40 / 3.50 / 20.90	17.70 / 4.30 / 22.00	21.50 / 4.30 /25.80	24.00 / 4.30 / 28.30
(4)Circuit Breaker Amps (Suggested)		25.00		32.00	
IP Rating	Outdoor	IPX4			
	Indoor	IP20			
Compressor	Type / No. Unit	Inverter Twin Rotary/1			
	Starting Method	Variable Speed Drive			
No. of Refrigeration Circuits / No. of Capacity Stages		1/Variable Capacity			
Refrigerant		R32			
Fans (Type x Number per Unit)	Outdoor	Axial / DC Motor x 1		Axial / DC Motor x 2	
	Indoor	Single Centrifugal / EC Motor x 1	Twin Centrifugal / EC Motor x 2		
Airflow Indoor (l/s)	Maximum	600	780	920	1060
	Nominal	500	650	770	890
	Minimum	400	520	620	710
Outdoor Dimensions (mm)	Depth	388	358		
	Height	790	997	1350	
	Width	990	1020		
Indoor Dimensions (mm)	Depth	595	615		680
	Height	410	412		435
	Width	850	1090	1290	1420
(5)Nominal Weights (kgs)	Outdoor	64	85	99	110
	Indoor	36	44	53	61
(6)Sound Pressure Level (dBA) @ 3m	Outdoor (quiet/rated/max)	49.9 / 52.1 / 53.8	47.0 / 54.2 / 55.2	46.0 / 54.9 / 55.1	50.1 / 56.8 / 56.9
(7)Sound Power Level (dBA)	Outdoor (quiet/rated/max)	65.3 / 68.1 / 69.9	64.2 / 70.0 / 71.0	63.6 / 71.6 / 72.0	67.3 / 72.8 / 73.2
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		-10°C to 50°C			

Find out more
actronair.com.au/aires

Australian made products includes indoor unit and controls

Technical Specifications

AIRES System Three Phase (13.00-23.00kW)

Technical Information						
Model	Outdoor	CRS13AT	CRS15AT	CRS17AT	CRS20AT	CRS23AT
	Indoor	EVA13AS	EVA15AS	EVA17AS	EVA20AS	EVA23AS
(1)Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Rated)	13.30	15.55	17.40	20.32	23.12
	Heating (Rated)	14.70	16.35	18.70	21.48	23.98
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Min/Rated/Max)	5.49 / 13.00 / 15.32	6.00 / 15.20 / 17.21	6.48 / 17.00 / 19.16	7.72 / 19.80 / 22.60	8.97 / 22.60 / 26.00
	Heating (Min/Rated/Max)	4.74 / 15.00 / 17.29	5.05 / 16.70 / 18.59	5.27 / 19.08 / 21.18	6.60 / 22.00 / 26.10	7.50 / 24.50 / 28.40
Input Power (kW) (AS/NZS3823.1.2)	Cooling (Rated)	3.91	4.43	5.02	5.70	6.44
	Heating (Rated)	4.13	4.64	5.42	6.12	6.62
(2)EER Rated (AS/NZS3823.1.2)	Cooling (Rated)	3.33	3.43	3.39	3.47	3.51
(3)COP Rated (AS/NZS3823.1.2)	Heating (Rated)	3.63	3.60	3.52	3.60	3.70
Seasonal Performance Factor Residential	TCSPF (Hot/Mixed/Cold)	4.39 / 4.14 / 4.27	4.72 / 4.43 / 4.61	4.46 / 4.20 / 4.35	4.53 / 4.20 / 4.32	4.51 / 4.22 / 4.34
	HSPF (Hot/Mixed/Cold)	3.46 / 3.97 / 4.50	3.42 / 3.87 / 4.31	3.41 / 3.90 / 4.41	4.26 / 3.87 / 3.43	4.30 / 3.92 / 3.51
Power Supply - (V/Ph/Hz)	Outdoor	400V / 3Ph + N- / 50Hz				
	Indoor	230V / 1PH + N - / 50Hz				
Rated Amps (AS/NZS3823.1.2)	Total	6.40	7.30	8.60	12.59	12.92
Full Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	5.75 / 4.30 / 10.10	6.80 / 4.30 / 11.10	8.10 / 4.30 / 12.40	12.48 / 5.75 / 18.23	12.41 / 7.15 / 19.56
(4)Circuit Breaker Amps (Suggested)		16.00			20.00	
IP Rating	Outdoor	IPX4				
	Indoor	IP20				
Compressor	Type / No. Unit	Inverter Twin Rotary/1				
	Starting Method	Variable Speed Drive				
No. of Refrigeration Circuits / No. of Capacity Stages		1/Variable Capacity				
Refrigerant		R32				
Fans (Type x Number per Unit)	Outdoor	Axial / DC Motor x 1	Axial / DC Motor x 2			
	Indoor	Twin Centrifugal / EC Motor x 2				
Airflow Indoor (l/s)	Maximum	780	920	1060	1255	1450
	Nominal	650	770	890	1050	1200
	Minimum	520	620	710	850	950
Outdoor Dimensions (mm)	Depth	358			417	
	Height	997	1350		1536	
	Width	1020			1087	
Indoor Dimensions (mm)	Depth	615		680	695	
	Height	412		435	485	
	Width	1090	1290	1420	1470	1570
(5)Nominal Weights (kgs)	Outdoor	85	99	110	134	143
	Indoor	44	53	61	72	81
(6)Sound Pressure Level (dBA) @ 3m	Outdoor (quiet/rated/max)	46.7 / 54.0 / 54.9	45.8 / 55.1 / 55.4	50.0 / 56.9 / 57.0	48.8 / 59.4 / 59.6	51.5 / 60.3 / 60.7
(7)Sound Power Level (dBA)	Outdoor (quiet/rated/max)	64.2 / 70.3 / 71.1	63.4 / 71.8 / 72.1	66.9 / 72.8 / 73.1	66.2 / 75.4 / 75.7	71.2 / 76.2 / 76.9
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		-10°C to 50°C				

Refrigerant Trading Authorisation No.: AU06394

Controller Specifications

Wall Controller

Comparison	NEO	LR7
Maximum number of controllers	2	3
Choice of colour	Ceramic White / Jet Black	White / Grey
Screen	"7" Touchscreen, 1024 x 600, IPS - Wide viewing angle, enhanced backlight	Enhanced LED backlight, 7 segment display
Dimensions - (Hmm x Wmm x Dmm)	118 x 212 x 17	130 x 130 x 14.4
No. of supported zones	8	8
24 Hour Countdown Timer	Yes	Yes
7 Day Timeclock	Yes	Yes
Temperature Adjustment (0.5°C)	Yes	Yes
On-Board Temperature Sensor	Yes	Yes
ZoneAware Technology	Yes	Yes
Filter Timer Notification	Yes	Yes
Near Field Communication (NFC)	Yes[8]	Yes[8]
Humidity Sensor	Yes	-
Proximity Sensor / Light Sensor	Yes	-
Wi-Fi Compatibility - inbuilt	Yes[9]	-
Over-The-Air-Updates	Yes[10]	-
Service and System Dashboards	Yes	-
Child Key Lock with PIN code	Yes	-

Remote Sensor

Maximum Number of Sensors	16	3
Choice of colour	Ceramic White / Jet Black	White / Grey
L Series Wired Temperature Sensor - 63mm (H) x 41mm (W) x 9.4mm (D)	Yes	Yes
Neo Sense Wireless Temperature Sensor - 80mm (H) x 83mm (W) x 18mm (D)	Yes[11]	-
Portable Stand available in Ceramic White (NSHW-10) or Jet Black (NSHB-10)	Yes[12]	-
Near Field Communication (NFC) Compatible	Yes[13]	-

NEO Connect App

Neo Connect Mobile App	Yes[14]	-
Geo-Fencing	Yes	-
Smart Assistant Compatible (Google Home, Alexa)	Yes	-

Certified System
Quality
ISO 9001
SAI GLOBAL

ARC
Refrigerant Trading
Authorisation No.: AU06394

MEPS
COMPLIANT

Foot Notes 1-14

1. Based on unit rating excluding indoor fan kW.
2. EER Rated = Energy Efficiency Ratio (Rated Capacity Cooling / Rated Input Cooling).
3. COP Rated = Coefficient of Performance (Rated Capacity Heating / Rated Input Heating).
4. Refer to AS/NZS 3000 "Australian/New Zealand Wiring Rules" for more details.
5. Refer to Catalogue Unit Weight Distribution Guide section for details of weight points.
6. Sound Pressure Level at 3m distance is determined as the measured sound pressure at 3m perpendicular to the coil side of the condenser. Sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions.
7. Measured based on ISO 3743-1, Determination of Sound Power Levels and Sound Energy Levels of Noise Sources Using Sound Pressure.
8. Near Field Communications requires compatible device. Provide access to wall control operating instructions
9. Wi-Fi compatibility with 802.11 b/g/n 2.4 GHz
10. NEO Touch must be connected to Wi-Fi with internet and cloud access
11. NEO Sense available for us as wired or wireless. Wireless operation requires 3 x AAA batteries (up to 5 Year battery life)
12. Portable stand compatible with wireless Neo Sense only
13. Near Field Communication (NFC) requires compatible device. Provides access to NEO Connect Mobile App.
14. Compatible with ActronAir NEO Touch Controller (NTW-1000, NTB-1000). Available on iOS 9 or later / Android Version 6 Marshmallow or later.

Important Notes:

- The Local Electricity Supply Authority may require limits on - starting current, running current and voltage drop, please check prior to purchase.
- When the outdoor temperature exceeds the rated conditions, the cooling/heating capacities may decrease the rated nett values.
- Specifications subject to change without notice.
- All pictures shown are for illustration purposes only.

Rated Conditions:
Cooling: 35°C DB Outdoor / Air Entering Indoor 27°C DB, 19°C WB
Heating: 7°C DB, 6°C WB Outdoor / Air Entering Indoor 20°C DB

Warranty:
For full terms and conditions of ActronAir warranty, please refer to warranty terms document - www.actronair.com.au

Notes

ActronAir

Australian family owned
and operated since 1984

actronair.com.au
1300 522 722

® iPhone, iPod and iPad are registered trademarks of Apple Inc. ® Android is a trademark of Google Inc.
® Google, Google Play, Google Home and Nest Audio are trademarks of Google LLC.
®Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates.

ActronAir maintains an unwavering dedication to incessantly enhancing its product offerings in order to uphold the utmost standards of quality and reliability, while simultaneously adhering to local regulations and market demands. The specifications outlined within this document are subject to modification without prior notice, as ActronAir strives to integrate the most recent advancements and innovations into its product line-up for the benefit of its valued customers. It is important to note that the information provided in this brochure is purely informative in nature and should not be utilized as a substitute for the Engineering or Installation Manuals. The cooling and heating capacities referenced for the products represent nominal capacities under standard operating conditions. ActronAir, the brand, hereby absolves itself of any responsibility in the broadcast sense, for any form of damage, whether direct or indirect, that may arise from the utilization and interpretation of the recommendations provided within this document.

© Copyright 2020 Actron Engineering Pty Limited ABN 34 002 767 240. ® Registered Trade Marks of Actron Engineering Pty Limited. 06/24 v15.3