CLASSIC
SERIES 2

Tried, tested, and trusted performance.

That's better. That's Actron.

ActronAir

ActronAir. Because Australia needs Australian air conditioning.

The year 1984 saw Advanced Australia Fair become our National Anthem, the 1 dollar coin come into circulation and a small family air conditioning business open its doors. Today, ActronAir is a proud Australian company recognised for making world-class air conditioners. Well, it stands to reason. The team at ActronAir experience our harsh Australian conditions first hand, and our climate places demands on air conditioning not found in other parts of the world.

And that's why ActronAir's engineers have developed the most advanced air conditioning systems specifically for the unique and harsh Australian environment.

Classic by name, classic by nature. ActronAir's Classic is tried, tested and trusted for Australia.

Live better year round with Classic comfort

Stay cool in summer and warm in winter, live better all year round with Classic comfort control. ActronAir's Classic ducted system is engineered to deliver better comfort with better control, to heat or cool your whole house, or just a few areas.

SUPERIOR OPERATING RANGE
50°C
-10°C

A superior operating range **made 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 Classic operates up to 50°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 a wall or fence where there's low air circulation.

Classic not only operates at higher temperatures, it also performs at a higher capacity leading up to that peak temperature.

More than a quarter of a million Aussies take comfort in ActronAir

"Nothing beats performing under extremes. Engineered for Australia, you can trust ActronAir to be there when you need it most."

Mark 'Frosty' Winterbottom
V8 Supercars Champion & ActronAir Brand Ambassador

Better Features

Smarter outside

Vertical discharge

The Classic's clever outdoor unit features a vertical, rather than horizontal, discharge of air. Unlike most overseas brands, we're well aware that the side of the Australian home is not only a handy space for an outdoor unit, but is also often tight. And we know if you don't let hot air escape it will surround the unit, reducing its performance and in turn lead to higher energy consumption. That's why we've engineered the Classic to release hot air upwards, rather than pushing air straight into the neighbour's fence.

Aussie tough

Louvered grille

The Classic range is engineered using only the very best quality components. With its unique powder coated, louvered grille guard, it ensures better airflow and protection against Australia's toughest conditions.

Here for the long haul

Coated coil protection

ActronAir uses blue fin epoxy coated protection on the Classic's indoor and outdoor coils. It reduces corrosion from the harsh Australian conditions, as well as assisting the defrosting process, thus improving heating efficiency.

Unheard of technology

Efficient EC fan

The highly efficient EC fan used in our Classic range delivers superior airflow, with quieter starting and stopping, making it perfect for sleeping babies or shift workers.

Quieter operation

3 speed outdoor fan

The Classic features a 3 speed outdoor fan,* allowing for smoother, quieter operation.

Turn on, bliss out

A smarter start-up

In winter, some air conditioners when turned on blast out unheated air until the indoor heating coil catches up. ActronAir engineers developed a better way. Classic has a smart preheat delay function so that the coil heats up before the fan comes on. That's better - simple and smart.

Pick up where you left off

Auto-restart

Blackout? No problem. Our Classic restarts automatically in its last programmed setting once the power is restored, which means you don't have to take the time to reprogram your system.

*Excludes CRA100S.

Better Control

SERIES 2

CLASSIC

8 zones under your control

ActronAir builds its own controls in Australia to ensure they integrate well with your Classic and operate together seamlessly. An 8-zone touch pad is conveniently integrated into our master controller, avoiding the need for a second device on your wall to control zones. Importantly, the slimline controller is logical and user-friendly, with controls in easy to read 'plain English'. And with a 7 day 24 hour programmable timer, it's completely 'set and forget'.

And for precise comfort control, our system allows you to set the temperature in 0.5°C degree increments.

Master Controller

Three times the control

Our Classic system can support up to 3 x 7 Day Wall Controllers, allowing for more convenience, superior control, and improved comfort, with their in-built temperature sensors allowing you to add more temperature sensing points. It's ideal for those who live in large or double storey houses. Rather than having to trounce up and down every time you want to change the settings, our Classic allows you to have a controller on each floor for absolute convenience.

Plus, with your choice of white or grey controllers and sensors, the Classic allows you to select a colour to match your environment.

3 x 7 Day Wall Controllers

Three times the comfort

The Classic can also support up to 3 Remote Sensors, each of which can be assigned to a zone* to provide better temperature control for improved comfort.

This means that when used in conjunction with 3 Master Controllers, you can have up to 6 temperature sensing points for superior comfort control.

3 x Remote Sensors

Make a smart **connection to comfort**

The Classic 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:

Control4   SAVANT   ELAN   VANTAGE   push   KNX

*Max. 2 sensors per zone.

No operating manual? No problem.

Classic's range of Master Wall Controllers come with Near Field Communication (NFC) included as standard. This feature allows for quick and easy access to operating instructions from your NFC supported smart phone.

Just follow these 4 simple steps:

1. Enable NFC on your smart device through your settings.

2. Tap your phone at the location of the **NFC** Logo on the controller.

3. Your internet connected smart phone will open a browser displaying the 'Operation Manuals' webpage.

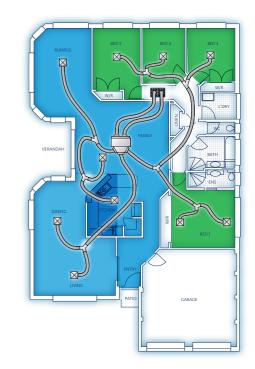4. Navigate to the 'LR7 Operating Manual'. Tap to open the PDF.

Classic zoning **can save you money**

With Classic Zoning, you can separate your house in up to 8 zones to maximise energy efficiency. Put simply, the more zones you have the more savings you can achieve. As long as you have your main or 'common' zone on to handle excess air flow, Classic zoning allows you to turn off other zones when they're not needed, which can save you money.

Zoned to suit you

You can also use Classic Zoning to design an air conditioning solution based on how you want to use it.

For example, if you only ever need to comfort half of your house at any one time - say a 'Day Zone' that covers your living areas throughout the day, and a 'Night Zone' that comforts your bedrooms overnight – then with Classic Zoning you can size your air conditioning unit based on only half the size of your house. That way you don't waste energy cooling rooms that aren't in use, and thanks to using a smaller unit you can live in comfort whilst also being extremely energy efficient.
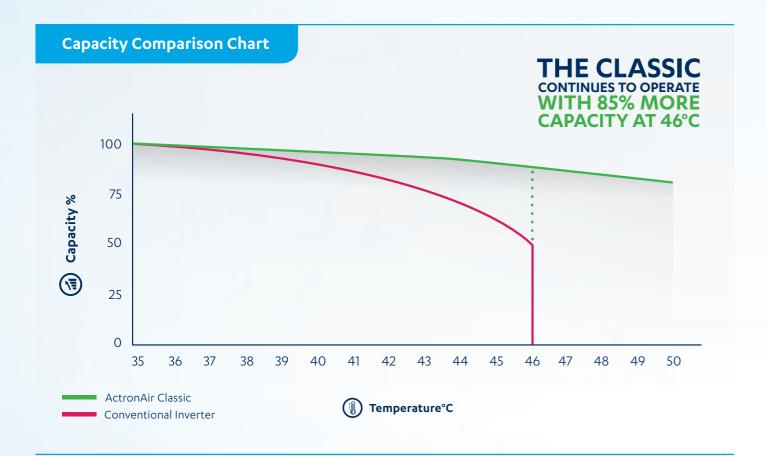
6   7

Better Performance

Engineered for Australia

Made with a superior operating range of -10°C to 50°C, and a host of innovative features, ActronAir's Classic ducted system is engineered to withstand the hottest and coldest conditions Australia can throw at it.

Where other air conditioners struggle and shut down, the Classic will be there for you when you need it most.

Capacity Comparison Chart

THE CLASSIC CONTINUES TO OPERATE **WITH 85% MORE CAPACITY AT 46°C**

Capacity % (y-axis: 0, 25, 50, 75, 100)

Temperature°C (x-axis: 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50)

— ActronAir Classic
— Conventional Inverter

From zero to comfort – quickly

Our Classic also gets up to speed much faster. It's perfect for when you arrive home on a sizzling summer's day, or freezing winter's night, and need to get comfy fast. A conventional inverter can take between 5 and 10 minutes to get up to full capacity, meaning it will take longer to cool or heat your space, whereas our Classic system can get up to maximum capacity almost immediately.

Three speeds for wider and quieter operation

Our Classic system's outdoor unit features a 3 speed fan that not only provides cooling in temperatures as low as +5°C, but also allows for quieter operation.*

*Excludes CRA100S.

Better Service

Local service you can count on

Our Classic is designed and manufactured in Australia, so you'll never have to call far or wait long for service and support.

Our National Service Network has service staff on the ground and parts on the shelves. They're friendly, reliable and prompt. Furthermore, ActronAir's 5 year warranty will keep you comfortable with absolute peace of mind.

Technical Specifications

Classic Split Ducted Standard Cycling - Single Phase (10.16-16.80kW)

Technical Information					
OUTDOOR MODEL		CRA100S	CRA130S	CRA150S	CRA170S
INDOOR MODEL		EVA100S	EVA130S	EVA150S	EVA170S
[1] Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Rated)	10.56	12.75	15.29	17.38
	Heating (Rated)	10.12	11.69	14.84	17.02
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling	10.16	12.24	14.97	16.80
	Heating	10.62	12.17	15.12	17.57
Input Power (kW) (AS/NZS3823.1.2)	Cooling	3.08	3.75	4.56	5.15
	Heating	2.96	3.34	4.16	4.76
[2] EER Rated (AS/NZS3823.1.2)	Cooling	3.30	3.26	3.28	3.26
[3] COP Rated (AS/NZS3823.1.2)	Heating	3.59	3.64	3.63	3.69
Power Supply (V / Ph / Hz)	Outdoor	230V / 1Ph + N / 50Hz			
	Indoor	230V / 1Ph + N / 50Hz			
Rated Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	10.9 / 2.8 / 13.7	13.9 / 3.8 / 17.7	17.7 / 2.5 / 20.2	19.7 / 4.3 / 24.0
Full Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	20.5 / 3.5 / 24.0	23.1 / 4.3 / 27.4	24.0 / 4.3 / 28.3	30.7 / 4.3 / 35.0
[4] Circuit Breaker Amps		25.0	32.0	32.0	40.0
IP Rating	Outdoor	IP44			
	Indoor	IP20			
Compressor	Type / No. per Unit	Compliant Scroll / 1			
	Starting Method	Soft Starter			
No. Refrigeration Circuits/No. Capacity Stages (Capacity range)		1/1 (100% capacity)			
Refrigerant		R410A			
Fans (Type x Number per unit)	Outdoor	Axial / 6 Pole External Rotor / Direct Drive x 2			
	Indoor	Single Deck Centrifugal / ECM Direct Drive x 1	Twin Deck Centrifugal / ECM Direct Drive x 1		
Airflow Range Indoor (l/s)	Maximum	575	750	880	900
	Nominal	500	650	770	850
	Minimum	425	590	690	770
External Static Pressure (Pa) at:	Maximum Airflow	62	120	120	116
	Nominal Airflow	141	206	218	164
Outdoor Dimensions (mm)	Depth	535	580	580	580
	Height	940	990	990	1045
	Width	1245	1320	1320	1460
Indoor Dimensions (mm)	Depth	595	615	615	615
	Height	410	412	412	412
	Width	850	1090	1290	1290
[5] Nominal Weight (kgs)	Outdoor	121	132	133	156
	Indoor	37	49	53	56
Field Pipe Size	Liquid Pipe - mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas Pipe - mm (inch)	15.90 (5/8)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
[6] Sound Pressure Level (dBA)	Outdoor (low / med / high fan)	48.0 / - / 50.8	45.3 / 48.5 / 52.0		50.4 / 51.3 / 53.1
[7] Sound Power Level (dBA)	Outdoor (low / med / high fan)	68.6 / - / 70.5	66.3 / 68.4 / 71.5		69.8 / 70.7 / 73.1
MEPS Compliant		Yes	Yes	Yes	Yes
[9] Demand Response Capability (AS4755.3)		Capable	Capable	Capable	Capable
8-Zone Capability		Standard	Standard	Standard	Standard

Features				
LR7-1W (White) or LR7-1G (Grey) Wall Controller	Optional	Optional	Optional	Optional
Up to 3 Wall Controllers - Mimic Logic	Optional	Optional	Optional	Optional
Up to 3 remote sensors	Optional	Optional	Optional	Optional
Blue Epoxy Coat Coil Fin Protection - Indoor & Outdoor Coils	Standard	Standard	Standard	Standard
Home/Building Automation Remote ON / OFF Capability	Yes	Yes	Yes	Yes
Manual Inputs Capable for Third Party Control	Optional	Optional	Optional	Optional
Maximum Number of Zones	8	8	8	8
Run & Fault Indication	Standard	Standard	Standard	Standard
Low Ambient Cooling (+5°C)	-	Standard	Standard	Standard
BMS Compatibility	Optional	Optional	Optional	Optional

Foot Notes 1-9

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. For short pipe run of 0-20m or average 1-storey residential dwellings, 19.05mm (3/4") Gas Field Pipe and 9.52mm (3/8") Liquid Line may be used in place of the recommended 22.22mm (7/8") gas pipe and 12.7 (1/2") liquid line. Please refer to Capacity Selection Data & see Pipe Length Correction Multiplier for the drop in refrigeration capacity as a consequence of change in Gas Field Pipe diameter. Swaged end of Indoor and Outdoor Units' gas pipe to be cut in the field to fit ID into 19.05mm (3/4") replacement Field Pipe. Swaged end to be cut-off in the field to fit into field pipe.
9. Third party inputs and Remote ON/OFF functions will be lost if Demand Response outdoor board is installed.

Classic Split Ducted Standard Cycling - Three Phase (12.40-22.35kW)

Technical Information						
OUTDOOR MODEL		CRA130T	CRA150T	CRA170T	CRA200T	CRA230T
INDOOR MODEL		EVA130S	EVA150S	EVA170S	EVA200S	EVA230S
[1] Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Rated)	13.00	15.27	17.56	19.69	22.95
	Heating (Rated)	11.85	14.45	17.38	18.75	22.30
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling	12.40	14.68	16.99	19.06	22.35
	Heating	12.30	15.00	17.92	19.34	23.00
Input Power (kW) (AS/NZS3823.1.2)	Cooling	3.68	4.43	5.04	5.86	6.59
	Heating	3.24	3.95	4.58	5.23	6.15
[2] EER Rated (AS/NZS3823.1.2)	Cooling	3.37	3.31	3.37	3.25	3.39
[3] COP Rated (AS/NZS3823.1.2)	Heating	3.80	3.80	3.91	3.70	3.74
Power Supply (V / Ph / Hz)	Outdoor	400V / 3Ph + N / 50Hz				
	Indoor	230V / 1Ph + N / 50Hz				
Rated Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	6.3 / 4.2 / 10.5	7.1 / 4.2 / 11.3	8.7 / 4.1 / 12.8	9.0 / 4.5 / 13.5	12.0 / 4.8 / 16.8
Full Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	8.3 / 4.3 / 12.6	11.7 / 4.3 / 16.0	12.3 / 4.3 / 16.6	13.9 / 5.9 / 19.8	15.9 / 6.4 / 22.3
[4] Circuit Breaker Amps		16.0	20.0	20.0	20.0	25.0
IP Rating	Outdoor	IP44				
	Indoor	IP20				
Compressor	Type / No. per Unit	Compliant Scroll / 1				
	Starting Method	D.O.L.				
No. of refrigeration Circuits/No of capacity stages (Capacity range)		1/1 (100% capacity)				
Refrigerant		R410A				
Fans (Type x Number per unit)	Outdoor	Axial / 6 Pole External Rotor / Direct Drive x 2				
	Indoor	Twin Deck Centrifugal / ECM Direct Drive x 1				
Airflow Range Indoor (l/s)	Maximum	750	880	900	1150	1380
	Nominal	650	770	850	1000	1200
	Minimum	590	690	770	900	1020
External Static Pressure (Pa) at:	Maximum Airflow	120	120	116	146	139
	Nominal Airflow	206	218	164	188	225
Outdoor Dimensions (mm)	Depth	580			580	685
	Height	990			1045	1105
	Width	1320			1460	1685
Indoor Dimensions (mm)	Depth	615			680	695
	Height	412			435	485
	Width	1090		1290	1420	1470
[5] Nominal Weight (kgs)	Outdoor	130	132	155	158	195
	Indoor	49	53	56	72	78
Field Pipe Size	Liquid Pipe - mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8) / 12.70 (1/2)	12.70 (1/2)
	Gas Pipe - mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	[8] 22.22 (7/8) / [8] 22.22 (7/8)	25.40 (1)
[6] Sound Pressure Level (dBA)	Outdoor (low / med / high fan)	45.3 / 48.5 / 52.0			50.4 / 51.3 / 53.1	44.4 / 48.3 / 58.4
[7] Sound Power Level (dBA)	Outdoor (low / med / high fan)	66.3 / 68.4 / 71.5			69.8 / 70.7 / 73.1	65.6 / 68.9 / 78.5
MEPS Compliant		Yes	Yes	Yes	Yes	Yes
[9] Demand Response Capability (AS4755.3)		Capable	Capable	Capable	Capable	Capable
8-Zone Capability		Standard	Standard	Standard	Standard	Standard

Features					
LR7-1W (White) or LR7-1G (Grey) Wall Controller	Optional	Optional	Optional	Optional	Optional
Up to 3 Wall Controllers - Mimic Logic	Optional	Optional	Optional	Optional	Optional
Up to 3 remote sensors	Optional	Optional	Optional	Optional	Optional
Blue Epoxy Coat Coil Fin Protection - Indoor & Outdoor Coils	Standard	Standard	Standard	Standard	Standard
Home/Building Automation Remote ON / OFF Capability	Yes	Yes	Yes	Yes	Yes
Manual Inputs Capable for Third Party Control	Optional	Optional	Optional	Optional	Optional
Maximum Number of Zones	8	8	8	8	8
Run & Fault Indication	Standard	Standard	Standard	Standard	Standard
Low Ambient Cooling (+5°C)	Standard	Standard	Standard	Standard	Standard
BMS Compatibility	Optional	Optional	Optional	Optional	Optional

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.

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
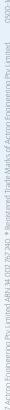
AUSTRALIAN DESIGNED & BUILT

5 YEAR Warranty Conditions Apply

Quality ISO 9001 SAI GLOBAL

ARC Refrigerant Trading Authorisation No.: AU06394

MEPS COMPLIANT

ActronAir

That's better. That's Actron.

actronair.com.au
1300 522 722