Whole of Home

ADD ON

SERIES 2

Add some cool comfort to your life.

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 refrigerated 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 refrigerated air conditioning systems specifically for the unique and harsh Australian environment.

Made with a superior operating range and a host of innovative features, ActronAir's Add On solution gives you comfort all through summer, just as your existing gas ducted system does through winter.

Just Add On for the best summer ever

ActronAir's Add On is the best add-on refrigerated air conditioning solution for Australian conditions.

It works with your existing gas ducted system to keep you exquisitely cool and comfortable all summer long, and because it's an Australian engineered ActronAir system it's made for local conditions with advanced technology, superior design and high quality materials.

Furthermore, when you install Add On you can often use the same registers as your existing gas ducted system to provide thermostatically controlled cooling.

SUPERIOR 50°C OPERATING RANGE

A superior operating range **made for Australia**

Most overseas refrigerated air conditioners are only designed with a maximum temperature range of 43°C to 46°C. The made-in-Australia for Australia Add On 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.

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

"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 Engineered

Smart inside and out

Vertical discharge

The Add On's clever outdoor unit feature a vertical, rather than horizontal, discharge of air. Instead of pushing air straight into the neighbour's fence, the outdoor unit releases hot air upwards, improving air circulation and in return performance.

It also features high performance fans, and because it's an ActronAir product, you can trust it to go on and on.

Aussie tough

Louvered grille

Add On 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

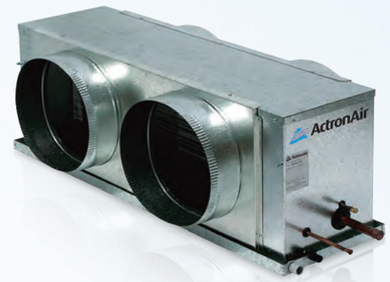
Coated coil protection

ActronAir uses blue fin epoxy coated protection on the Add On's indoor and outdoor coils. It reduces corrosion from the harsh Australian conditions.

More ducting options

Flexible yet unflinching

The Add On system's indoor unit has a range of duct adaptor options available to suit most duct works.



Quieter operation

3 speed outdoor fan

The Add On features a 3 speed outdoor fan, allowing for smoother, quieter operation.

Pick up where you left off

Auto-restart

Blackout? No problem. Our Add On 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.

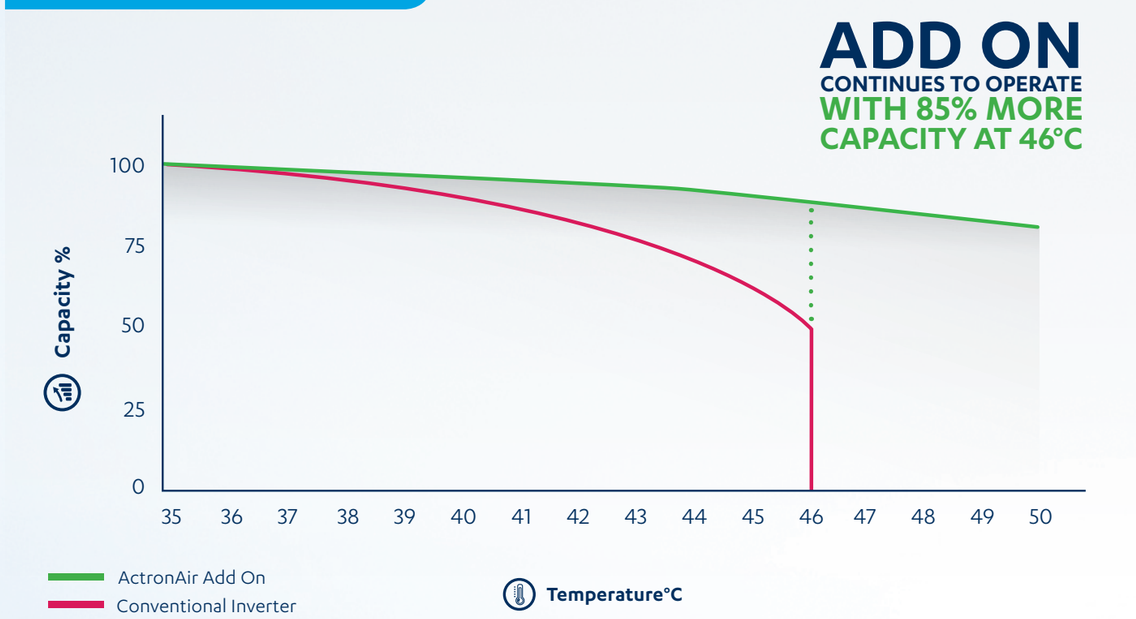
Better Performance

Engineered for Australia

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

Where other air conditioners struggle and shut down, our Add On system will be there for you when you need it most.

Capacity Comparison Chart



From zero to comfort – quickly

Our Add On also gets up to speed much faster. It's perfect for when you arrive home on a sizzling summer's day 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 your space, whereas our Add On system can get up to maximum capacity almost immediately.

It all adds up to Add On

Add On vs **Evaporative Cooling**

If you're considering evaporative cooling as a way to cool your home, there are a few things to bear in mind that you won't read in a brochure. Evaporative cooling requires separate ductwork to your existing gas ductwork. The two can't be used together in the way they can with Add On. That can mean a roof packed full of ducting and with it a separate set of vents in each room. Another issue is water usage. On a hot day, evaporative cooling can use between 50 and 70 litres of water an hour, leading to a staggering water bill.

Finally, by their very nature, an evaporative cooler struggles when humidity levels creep up, providing decreased performance just when you need it the most.

Fixed Speed vs **Conventional Inverter**

We've found that when it comes to typical usage for Add On air conditioning, a fixed speed option works just as well, and in many cases, more efficiently than a conventional inverter system. Cooler climate regions tend to have 'burst style' heat waves that require the air conditioner to work at maximum capacity, rather than needing to step up and down as conventional inverters are designed to do.

At ActronAir we know all about inverter technology, making the very best in the business. We also know our reliable Add On option works superbly at high capacity as long as you need it to.

Better Energy Efficiency

Reverse Cycle or Gas?
It may be time to reverse your thinking

A Melbourne Energy Institute study found that switching from gas heating to reverse cycle heating can save you some serious cash. While it's true that gas has been historically cheaper, rising gas prices mean that's no longer the case. The author of the report, Tim Forcey, cut heating costs in his own home by 70% by switching from gas ducted heating to reverse cycle air conditioning. The Institute, based at Melbourne University, reported that, "it is possible that in Victoria alone, households could collectively and immediately save on the order of $250 million per year by simply using the reverse-cycle air conditioners they already have in their homes for space heating."

From the Age: August 25, 2015

Better Advice

It's air conditioning, so talk to an air conditioning specialist

Just as you wouldn't get a plumber to do your electrical work, it doesn't make sense to use a gas manufacturer to provide your refrigerated air conditioning products. Gas companies are great at all things gas, but when it comes to air conditioning it's better to go with a specialist. ActronAir is a proudly Australian company that's been in the air conditioning business for over 30 years. We use Australian designed technology for the single purpose of keeping Australia cool – and helping Australians keep their cool with a system that won't let them down when they need it most.

Better Service

Local service you can count on

ActronAir's Add On 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

Add On Air Conditioning - Single Phase (12.20-16.80kW)

Technical Information				
OUTDOOR MODEL		CCA130S	CCA150S	CCA170S
INDOOR MODEL		EAA130S	EAA150S	EAA170S
[1] Nominal Capacity (kW)	(low/med/high)	12.28/12.33/12.82	14.94/15.36/15.78	16.65/16.96/17.49
[1] Nominal Input Power	(low/med/high)	3.21/3.22/3.23	4.00/4.02/4.04	4.55/4.57/4.59
[1] Nominal EER	(low/med/high)	3.82/3.83/3.97	3.74/3.82/3.91	3.66/3.71/3.81
Nett Capacity (kW)	(low/med/high)	12.15/12.20[(2)]/12.65	14.80[(2)]/15.20/15.60	16.50[(2)]/16.80/17.30
Nett Input Power (kW)	(low/med/high)	3.34/3.35[(2)]/3.40	4.14[(2)]/4.18/4.22	4.70[(2)]/4.73/4.77
Nett EER	(low/med/high)	3.64/3.64[(2)]/3.72	3.57[(2)]/3.64/3.70	3.51[(2)]/3.55/3.63
Airflow Indoor (l/s)	(low/med/high)	590/640/850	690/810/950	765/840/980
Coil Static Pressure Drop (Wet/Dry) Pa		100/71	77/55	102/73
Power Supply - (V/Ph/Hz)		230V / 1Ph+N / 50Hz		
Outdoor Unit Rated Amps (AS/NZS3823.1.2)		14.4	14.4	20.2
Outdoor Unit Full Load Amps (AS/NZS3823.1.2)		23.1	23.9	30.7
[3] Circuit Breaker Amps		32.0	32.0	40.0
IP Rating	Outdoor Unit	IP44		
Compressor	Type/No. per Unit	Compliant Scroll / 1		
	Starting Method	Soft Starter		
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		
Outdoor Dimensions (mm)	Depth	580	580	580
	Height	990	990	1045
	Width	1320	1320	1460
Indoor Dimensions (mm)	Depth	342	342	342
	Height	410	410	410
	Width	1054	1252	1252
[4] Nominal Weight (kgs)	Outdoor	132	133	156
	Indoor	24	27	29
Field Pipe Size	Maximum Field Pipe Length Range - (m)	0 - 60	0 - 60	0 - 60
	Liquid Pipe - mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas Pipe - mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
[5] Sound Pressure Level (dBA)	Outdoor (low/med/high fan)	45.3 / 48.5 / 52.0		50.4 / 51.3 / 53.1
[6] Sound Power Level (dBA)	Outdoor (low/med/high fan)	66.3 / 68.4 / 71.5		69.8 / 70.7 / 73.1
MEPS Compliant		Yes	Yes	Yes
[8] Demand Response Capability (AS4755.3)		Capable	Capable	Capable

Control Features			
Home Automation / Remote ON / OFF Capability	Yes	Yes	Yes
Manual Inputs Capable for Third Party Control	Yes	Yes	Yes
24V Relay	Yes	Yes	Yes

Foot Notes 1-8

1. Nominal Capacity = Unit kW rating excluding indoor fan kW (Add On Cooling model only).
   Nominal Input Power = Input Power of the system less Indoor Fan Power (Add On Cooling model only).
   Nominal EER = Nominal Capacity | Nominal Input Power (Add On Cooling model only).
2. Unit Rated Data (Registered).
3. Refer to AS/NZS 3000 "Australian/New Zealand Wiring Rules" for more details.
4. Refer to Catalogue Unit Weight Distribution Guide section for details of weight points.
5. 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.
6. Measured based on ISO 3743-1, Determination of Sound Power Levels and Sound Energy Levels of Noise Sources Using Sound Pressure.
7. For short pipe run of 0-20m or average 1-storey residential dwellings, 19.05mm (3/4") Gas Field Pipe may be used in place of the recommended 22.22mm (7/8") gas pipe. 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.
8. Third party inputs and Remote ON/OFF functions will be lost if Demand Response outdoor board is installed.

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 capacities may decrease the rated nett values.
- Specifications subject to change without notice.

Add On Air Conditioning - Three Phase (17.10-23.00kW)

Technical Information					
OUTDOOR MODEL		CCA170T	CCA200T		CCA230T
INDOOR MODEL		EAA170S	EAA200S		EAA230S
[1] Nominal Capacity (kW)	(low/med/high)	16.85/17.26/17.68	18.77/19.09/19.70		22.28/23.22/23.89
[1] Nominal Input Power	(low/med/high)	4.37/4.44/4.49	5.25/5.26/5.27		5.95/6.00/6.03
[1] Nominal EER	(low/med/high)	3.86/3.89/3.94	3.58/3.63/3.74		3.74/3.87/3.96
Nett Capacity (kW)	(low/med/high)	16.70[(2)]/17.10/17.50	18.60[(2)]/18.90/19.50		22.10[(2)]/23.00/23.65
Nett Input Power (kW)	(low/med/high)	4.52[(2)]/4.61/4.67	5.42[(2)]/5.45/5.47		6.14[(2)]/6.21/6.28
Nett EER	(low/med/high)	3.69[(2)]/3.71/3.75	3.43[(2)]/3.47/3.56		3.60[(2)]/3.70/3.77
Airflow Indoor (l/s)	(low/med/high)	765/840/980	900/985/1120		980/1200/1400
Coil Static Pressure Drop (Wet/Dry) Pa		102/73	102/73		105/74
Power Supply - (V/Ph/Hz)		400V / 3Ph+N / 50Hz			
Outdoor Unit Rated Amps (AS/NZS3823.1.2)		8.6	10.4		12.0
Outdoor Unit Full Load Amps (AS/NZS3823.1.2)		12.3	13.9		15.9
[3] Circuit Breaker Amps		20.0	20.0		25.0
IP Rating	Outdoor Unit	IP44			
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			
Outdoor Dimensions (mm)	Depth	580	580		685
	Height	1045	1045		1105
	Width	1460	1460		1685
Indoor Dimensions (mm)	Depth	342	342		342
	Height	410	435		485
	Width	1252	1360		1410
[4] Nominal Weight (kgs)	Outdoor	155	158		195
	Indoor	29	39		43
Field Pipe Size	Maximum Field Pipe Length Range - (m)	0 - 60	0 - 20	20 - 60	0 - 60
	Liquid Pipe - mm (inch)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)
	Gas Pipe - mm (inch)	19.05 (3/4)	22.22[(7)] (7/8)	22.22 (7/8)	25.40 (1)
[5] Sound Pressure Level (dBA)	Outdoor (low/med/high fan)	50.4 / 51.3 / 53.1			44.4 / 48.3 / 58.4
[6] Sound Power Level (dBA)	Outdoor (low/med/high fan)	69.8 / 70.7 / 73.1			65.6 / 68.9 / 78.5
MEPS Compliant		Yes	Yes		Yes
[8] Demand Response Capability (AS4755.3)		Capable	Capable		Capable

Control Features			
Home Automation / Remote ON / OFF Capability	Yes	Yes	Yes
Manual Inputs Capable for Third Party Control	Yes	Yes	Yes
24V Relay	Yes	Yes	Yes

Rated Conditions:

Cooling: 35°C DB Outdoor / Air Entering Indoor 27°C DB, 19°C WB

Warranty:

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

5 YEAR Warranty Conditions Apply

Quality ISO 9001

ARC Refrigerant Trading Authorisation No.: AU06394

MEPS COMPLIANT

AUSTRALIAN DESIGNED & BUILT

ActronAir

That's better. That's Actron.

actronair.com.au

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