Whole of Home

ESP PLATINUM

Unequalled performance and efficiencies.

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.

Made with a superior operating range of -15°C to 50°C, and a host of innovative features, ActronAir's ESP Platinum 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 ESP Platinum will be there for you when you need it most.

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

Unequalled performance and efficiencies through Tru-Inverter technology

ActronAir's range of energy efficient air conditioners feature ESP technology. That stands for Energy Smart Performance. Combined with our Platinum's world leading Tru-Inverter technology, it delivers the perfect amount of heating or cooling, right down to a fraction of a degree. It reaches your desired comfort level quickly and keeps it there with unequalled control.

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 ESP Platinum 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.

ESP Platinum 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
2015 V8 Supercars Champion

Better Features

Smarter outside

Vertical discharge

The ESP Platinum's clever outdoor unit features a vertical, rather than horizontal, discharge of air. Unlike foreign 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 ESP Platinum to release hot air upwards, rather than pushing air straight into the neighbour's fence.

Aussie tough

Louvered grille

The powder coated louvered grille guard allows for better airflow and protection in Australia's extreme weather conditions. It's mighty tough – engineered to withstand over 1,000 hours of salt spray exposure under stringent Australian testing standards.

Here for the long haul

Coated coil protection

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

Unheard of technology

Quieter operation

Clever design, technology and choice of materials led to SRS, ActronAir's Sound Reduction System, in the ESP Platinum's outdoor unit.

Sound is reduced inside as well thanks to ESP Platinum's highly efficient EC fan technology, which provides incremental airflow adjustments when zones are turned off. That way you won't be struggling to make yourself heard over the air conditioning.

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. ESP Platinum 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 ESP Platinum 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 Energy Efficiency

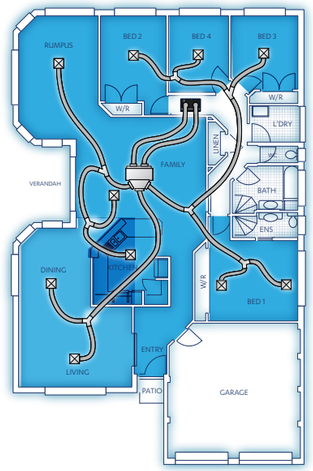
What's zoning and why do I need it?

When you're fast asleep tucked up in bed, you simply don't need the rest of your house air conditioned. That's where Energy Smart Zoning comes in. Your home can be split into different zones and air conditioned accordingly, right down to a single room.

Light's out - Energy Smart Zoning **delivers better energy savings**

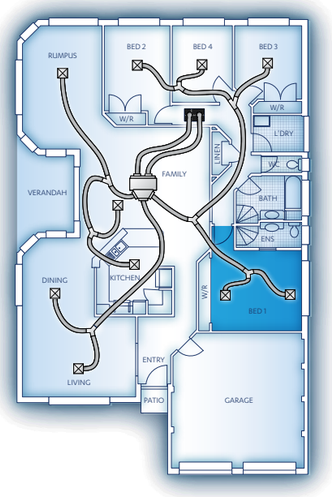
When you leave a room you turn off the light to save electricity, right? With ESP Platinum's Energy Smart Zoning you do exactly the same thing with your zones, only there's added benefits.

Aussie homes usually have large living areas that are split into zones when air conditioning is installed. Individual rooms are zones as well. The problem with conventional inverter systems is that even when you shut off a zone, they still deliver more air than is required. So for the zones still on, you get an 'air dump' effect that's noisy, inefficient and a real curtain blower.



No more **billowing curtains**

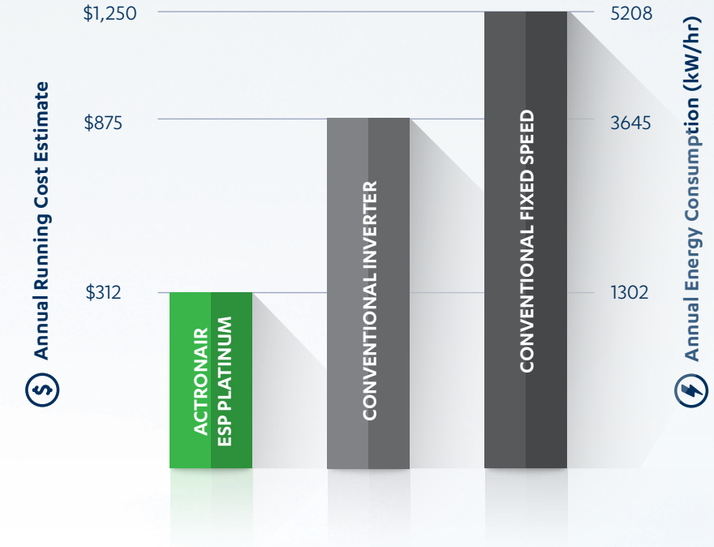
ESP Platinum has Variable Fan Technology that delivers just the right amount of conditioned air to the zones you want – right down to 20% of its total airflow volume. So on that hot summer evening you get a better, quieter night's sleep, without the billowing curtains, and wasted energy.



UP TO 75% MORE EFFICIENT THAN CONVENTIONAL FIXED SPEED AIR CONDITIONERS

Energy Modelling

Typical 14kW Unit - Cooling Only



Based on electricity price of 24c per kW/H and the cooling energy consumption, this translates to a saving of up to $900 per annum compared to conventional fixed speed systems.

Savings that pay for themselves

The energy saving features in an ESP Platinum system can make a huge difference. Over 5 years you could **save up to $4,500** on your electricity costs for cooling alone, compared with other air conditioning technology. When heating is taken into consideration that could be even more.

In fact, ESP Platinum's Tru-Inverter technology is **up to 75% more efficient** than conventional fixed speed air conditioners, and **50% more efficient** than a conventional inverter system.

SAVE UP TO $4,500 ON YOUR ENERGY BILLS OVER 5 YEARS

Better Technology

What's Inverter and **what's Tru-Inverter?**

An inverter controls the speed of an air conditioner's motor, allowing the temperature to be continuously regulated. Before inverters, air conditioners were either on or off – there was no in-between. Conventional inverters use 'step, rest and stop' cycles, so the temperature 'jumps' up and down to each step. Because of that, they use more power as they work harder to reach the desired level.

Tru-Inverter was first introduced to the air conditioning industry by ActronAir and the name says it all. A vastly more precise inverter technology, it gets to the desired temperature faster, smoother and maintains it to within ±0.3°C at the sensor location. That means more comfort and a more comfortable electricity bill.

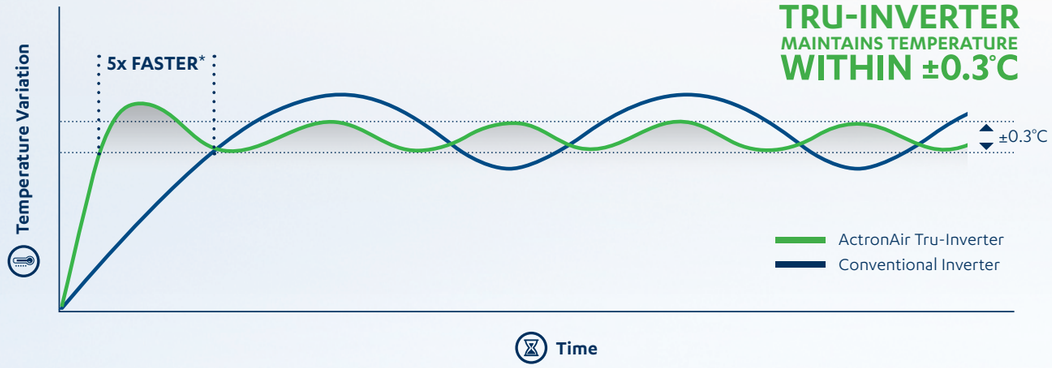
It's ***Tru -*** the best ***Inverter*** on the market.

Stopping the start-stop, start-stop

When you've been out and about on a scorching hot day, it's nice to come home to cool comfort. So apply a little ESP to the situation. Thanks to ActronAir's Tru-Inverter technology, ESP Platinum can get up to maximum capacity a phenomenal five times faster than conventional 'step and rest' inverter systems, which means it can get to heating and cooling your space faster.

ESP PLATINUM HEATS & COOLS 5x FASTER THAN CONVENTIONAL INVERTER SYSTEMS

TRU-INVERTER
MAINTAINS TEMPERATURE
WITHIN ±0.3°C



**Subject to room size and conditions.*

Why 'capacity' can be **an air 'con' job**

Unlike other inverters on the market, ActronAir's Tru-Inverter can operate right down to 20% of its total capacity, whereas a number of leading brands can operate only down to 40% of their capacity, resulting in a lot of unnecessary energy wastage at lower power levels. An ActronAir Tru-Inverter uses just what it needs, and nothing more. You get meaningful energy savings and more attuned comfort settings.

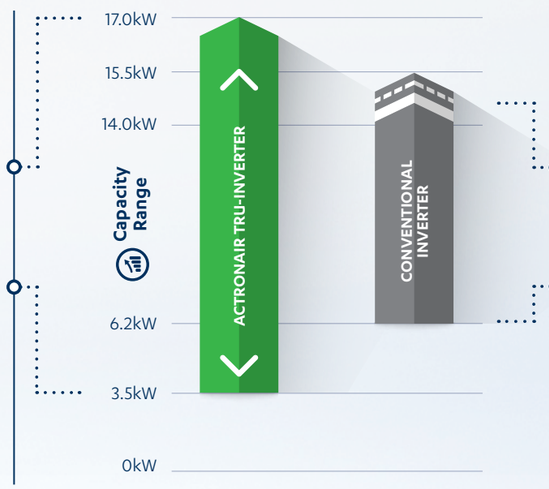
At the other end of the scale, when the temperature outside soars or plummets, the ESP Platinum's TruMax functionality allows it to run at top capacity all day and all night. Competitors might claim a high capacity, but in reality can only reach it for short bursts. Then they have to slow down for a breather, and that's no good on a 40°C day. The better-engineered ESP Platinum just keeps powering on.

Tru-Inverter vs Conventional Inverters

TRU-INVERTER
HAS A WIDER CAPACITY RANGE
VS
CONVENTIONAL INVERTERS

TruMax Technology allows for powerful heating and cooling and continues to perform at maximum capacity

Tru-Inverter can operate down to 20% capacity for improved comfort and efficiency



CONVENTIONAL INVERTER
CONVENTIONAL PERFORMANCE

Conventional Inverters can only operate at maximum capacity temporarily

Most conventional inverters can only operate down to 40% capacity

Example of ActronAir ESP Platinum CRV/ERV3-17AS vs. Conventional Inverter.

Better Control

4 or 8 zones under your control

ActronAir builds its own controls in Australia to ensure they integrate well with your ESP Platinum 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 increments.

ESP Platinum does provide an optional secondary controller with mimic logic. It's ideal for those who live in large double storey houses. Rather than having to trounce up and down every time you want to change the settings. ESP Platinum allows you to setup a controller on each floor for absolute convenience.

Master Controller

Set your comfort remotely

The optional ActronConnect allows you to control your ESP Platinum ducted system wirelessly via smartphone or computer. Cool your house down on your way home, warm up the baby's room or check you've turned off the air conditioning. It's all in the palm of your hand.

Optional ActronConnect

Master Controller – **Features and benefits**

Features	Benefits
Easy to use 8-zone integrated touch pad	Eliminates the need to install a second device on your wall to control zones
On board temperature sensor	Eliminates the need to install a second device on your wall to sense temperature
7 day programmable time clocks	'Set and forget' weekly scheduler allows you to set your air conditioner to turn on and off to suit your lifestyle
24 hour programmable timer	Quick and convenient way to turn your system on before you wake up or off after you've gone to sleep
Smart defrost function	Improves heating performance in extremely cold weather
Preheat delay function	Eliminates cold drafts in Winter
Optional secondary temperature sensor	Allows for better comfort and temperature control
ESP function	Learns your zoning and adjusts airflow automatically when zones are turned off

Better Design

Smarter comfort

We understand that for most people their air conditioner's outdoor unit is a box best forgotten. But with ActronAir it's here that hundreds of technological innovations, design improvements and quality material choices add up to better comfort, better energy savings and a family air conditioner you can trust to last season after season, year after year.

High efficiency fan technology, noise reduction, high performance heat exchangers, seamless system controls – the list goes on and on, just like an ActronAir.

Better Service

Local service you can count on

ESP Platinum 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.

OPTIONAL UPGRADE

The Ultimate in Home Comfort Control

Different temperatures in different rooms at the same time

With ESP Platinum's optional Ultima upgrade, you can set different temperatures in different zones, all at the same time. In fact, you can have up to 8 different zones in your home all individually comfort-controlled to suit everyone's precise needs.

Controlling comfort and energy

As a result of the sun's position in the sky, different areas of the home have different temperature loads at different times of the day. However, with sensors in each zone, the Ultima functionality ensures the set temperature is maintained across the home and rooms are not over conditioned, further minimising energy usage.

Master Controller

This stylish slimline controller is your home's comfort-control centre. With an easy to use touch pad, you can set the temperature, fan speeds and timers as it communicates with sensors in each zone of your home.

Individual Zone Controller

Want things a touch warmer or cooler without leaving the zone? No problem. With individual zone controls you can simply adjust the temperature right then and there, or if you prefer, turn it off completely.

Zone Sensor

Zone sensors can be used in areas where you want the Master Controller to control the temperature of that zone as an alternative to an individual Zone Controller. It's ideal for kids' bedrooms and playrooms where you'd rather not let the little fingers do the controlling.

OPTIONAL UPGRADE

Control without compromise

The most advanced integrated home air conditioning control platform yet.

The world is constantly evolving, and we need to evolve with it. Why should controlling your comfort be any different?

QUE is the most advanced integrated home air conditioning control platform yet. QUE's high quality components, sleek modern design, and easy to use interface brings home air conditioning controls into the 21st century.

However, at ActronAir we believe that it's not enough to simply dress up the same old features with a nice new design. That's why QUE is so much more than just a pretty face.

It's also a control platform packed full of innovations and features, a platform that will evolve with you and continue to adapt and grow long into the future.

Master Controller

The brains of the system

- Colour touch screen
- Wi-Fi connectivity
- Full system control
- Control up to 8 zones
- Light and proximity sensor
- Away and quiet mode
- Advanced 7 day scheduler
- Humidity and temperature sensor
- Master timer
- Over The Air (OTA) updates

Zone Controller

Get in the zone

- Reversible graphical display background
- Individual zone control
- Battery or wired power
- Wireless communication
- Zone and system ON/OFF
- Individual zone timer
- System mode
- System fan speed

Remote Sensor

Precise temperature control

- Individual zone temperature control
- Battery or wired power
- Wireless communication
- Can be used as secondary sensor in large spaces to maintain precise temperature control

Mobile App

Connect to comfort, wherever you are.

These days, great connectivity and easy access is as much a part of being comfortable as anything else. That's why the QUE control platform comes complete with a mobile app, QUE Connect.

With QUE Connect, you are able to control your system from anywhere – in your car, on the couch, at the office – all you need is an internet connected mobile device, and a Wi-Fi internet connection synched to your QUE system.

Why choose QUE?

Modern design. Classic good looks.

Air conditioning controllers are very visible products, usually installed in full view of the household. We believe that a control should be something you are proud to display, not something you would prefer to hide. That's why QUE features a beautiful, timeless design that has been specifically developed to match well with a variety of wall colours and textures.

Smarty Pants.

Who says a smart device can only be a phone or tablet? QUE has brought the high standards found in today's smart mobile devices to the world of air conditioning, including a 5.7", 1080x720 pixel, full colour touch screen and powerful dual core processor with 1GB RAM.

Individual temperature control, built in.

If you want to have different temperatures in different rooms at the same time, we've got good news - QUE comes with the ability for individual temperature control built in as standard.

Life is wireless. Now your controls can be too.

With QUE, you can now connect your QUE Zone Controller and QUE Sense Remote Sensor wirelessly. This allows for a simple installation that minimises intrusions on your house, and can save time and money. And because QUE can go where wires can't, you will love the flexibility regarding installation locations.

Complete control at your fingertips.

QUE provides you with a level of control never before possible in home air conditioning, with features like Energy History, a Scheduling function, and the simple to use Master Timer.

What's under the hood?

QUE is the only control system on the market with a dedicated Dashboard feature. Accessed via the QUE Touch Master Controller, the Dashboard has an easy to read interface which allows you to easily view the status of your air conditioning system.

GOOD DESIGN AWARDS

Good Design Award Winner

QUE system available in black or white.

To find out more about QUE, please refer to the QUE brochure.

Note: Only available on Platinum QUE systems: CRQ2-14AS/ERQ2-14AS, CRQ3-17AS/ERQ3-17AS and CRQ4-19AS/ERQ4-19AS.

Technical Specifications

ESP Platinum Plus Split Ducted Variable Capacity (Single Phase)

Technical Information				
		Single Phase		
OUTDOOR MODEL		CRV2-14AS	CRV3-17AS	CRV4-19AS
INDOOR MODEL		ERV2-14AS	ERV3-17AS	ERV4-19AS
[1]Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Rated)	12.77	14.45	17.55
	Heating (Rated)	13.60	16.55	18.50
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Min/Rated/TRU-MAX*)	2.85 / 12.50 / 14.40	3.50 / 14.00 / 17.00	4.00 / 17.00 / 19.00
	Heating (Min/Rated/TRU-MAX*)	2.70 / 14.00 / 15.40	3.60 / 17.00 / 19.00	3.75 /19.00 / 20.00
Input Power (kW) (AS/NZS3823.1.2)	Cooling (Rated)	3.79	4.17	5.10
	Heating (Rated)	3.64	4.72	5.14
[2] EER Rated (AS/NZS3823.1.2) [3] COP Rated (AS/NZS3823.1.2)	Cooling (Rated)	3.30	3.36	3.33
	Heating (Rated)	3.85	3.60	3.70
Power Supply (V / Ph / Hz)	Outdoor	230V / 1Ph + N / 50Hz		
	Indoor	230V / 1Ph + N / 50Hz		
Rated Load Amps (AS/NZS3823.1.2) Full Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	14.3 / 2.8 / 17.1	15.4 / 3.5 / 18.9	18.9 / 4.0 / 22.9
	Outdoor / Indoor / Total	21.6 / 2.9 / 24.5	26.2 / 3.5 / 29.7	26.9 / 4.0 / 30.9
[4] Circuit Breaker Amps		25.0	32.0	32.0
IP Rating	Outdoor	IP44		
	Indoor	IP20		
Compressor	Type / No. per Unit	Tru-Inverter Variable Speed Scroll / 1		
	Starting Method	In-built Soft Starting		
No. Refrigeration Circuits/No. Capacity Stages (Capacity range)		1 / Variable Capacity (20-100%)		
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	900	1000	1150
	Nominal	660	750	900
	Minimum	170	200	240
Outdoor Dimensions (mm)	Depth	580	580	580
	Height	990	1045	1045
	Width	1320	1460	1460
Indoor Dimensions (mm)	Depth	615	615	680
	Height	412	412	435
	Width	1290	1290	1420
[5] Nominal Weight (kgs)	Outdoor	136	150	160
	Indoor	59	62	76
Field Pipe Size	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)
[6] Sound Pressure Level (dBA) [7] Sound Power Level (dBA)	Outdoor (low/high fan)	47 / 52	48 / 54	48 / 54
	Outdoor (low/high fan)	64 / 69	65 / 71	65 / 71
MEPS Compliant		Yes	Yes	Yes
[8] Demand Response		Capable		

Control Features			
LM7-D Wall Controller (8 Zone)	Included	Included	Included
LM24W Wall Controller (8 Zone) - Secondary Master Controller	Optional	Optional	Optional
Blue Epoxy Coat Coil Fin Protection (Indoor & Outdoor Coils)	Standard	Standard	Standard
Compressor Soft Start Via Variable Speed Drive Control	Standard	Standard	Standard
Remote Temperature Sensor	Optional	Optional	Optional
Home/Building Automation ON/OFF Capability	Yes	Yes	Yes
ActronConnect module for wireless control	Optional	Optional	Optional
Maximum Number of Zones	8	8	8

*TRU-MAX™ continual operation at maximum capacity, for more information refer to Controls and Accessories section of the ActronAir Product Range Brochure.

Foot Notes 1-7

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.
7. Determination of Sound Power Levels of Noise Sources, AS1217.2 - Precision Methods for Broad-Band Sources in Reverberation Rooms.
8. When Demand Response capability option is chosen, the air conditioner will be fully compliant with AS4755.3 in the following modes: DRM 1, 2, 3.

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

ESP Platinum Ultima Split Ducted Variable Capacity (Single Phase)

Technical Information				
		Single Phase		
OUTDOOR MODEL		CRV2-14AS	CRV3-17AS	CRV4-19AS
INDOOR MODEL		ERM2-14AS	ERM3-17AS	ERM4-19AS
[1]Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Rated)	12.77	14.45	17.55
	Heating (Rated)	13.60	16.55	18.50
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	Heating (Min/Rated/TRU-MAX*)	2.70 / 14.00 / 15.40	3.60 / 17.00 / 19.00	3.75 /19.00 / 20.00
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	Heating (Rated)	3.85	3.60	3.70
Power Supply (V / Ph / Hz)	Outdoor	230V / 1Ph + N / 50Hz		
	Indoor	230V / 1Ph + N / 50Hz		
Rated Load Amps (AS/NZS3823.1.2) Full Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	14.3 / 2.8 / 17.1	15.4 / 3.5 / 18.9	18.9 / 4.0 / 22.9
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[4] Circuit Breaker Amps		25.0	32.0	32.0
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Compressor	Type / No. per Unit	Tru-Inverter Variable Speed Scroll / 1		
	Starting Method	In-built Soft Starting		
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	Outdoor (low/high fan)	64 / 69	65 / 71	65 / 71
MEPS Compliant		Yes	Yes	Yes

Control Features			
LM7-D Wall Controller (8 Zone)	Included	Included	Included
LM24W Wall Controller (8 Zone) - Secondary Master Controller	Optional	Optional	Optional
LM-ZC Controller	Optional	Optional	Optional
LM-ZS Zone Sensor	Optional	Optional	Optional
Blue Epoxy Coat Coil Fin Protection (Indoor & Outdoor Coils)	Standard	Standard	Standard
Compressor Soft Start via Variable Speed Drive Control	Standard	Standard	Standard
Home /Building Automation ON/OFF Capability	Yes	Yes	Yes
ActronConnect module for wireless control	Optional	Optional	Optional
Maximum Number of Zones	8	8	8

*TRU-MAX™ continual operation at maximum capacity, for more information refer to Controls and Accessories section of the ActronAir Product Range Brochure.

5 YEAR Warranty Conditions Apply

Quality Endorsed Company

ARC Refrigerant Trading Authorisation No.: AU06394

MEPS COMPLIANT

AUSTRALIAN DESIGNED & BUILT

Technical Specifications

ESP Platinum QUE Split Ducted Variable Capacity (Single Phase)

Technical Information				
		Single Phase		
OUTDOOR MODEL		CRQ2-14AS	CRQ3-17AS	CRQ4-19AS
INDOOR MODEL		ERQ2-14AS	ERQ3-17AS	ERQ4-19AS
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Input Power (kW) (AS/NZS3823.1.2)	Cooling (Rated)	3.79	4.17	5.10
	Heating (Rated)	3.64	4.72	5.14
[2] EER Rated (AS/NZS3823.1.2) [3] COP Rated (AS/NZS3823.1.2)	Cooling (Rated)	3.30	3.36	3.33
	Heating (Rated)	3.85	3.60	3.70
Power Supply (V / Ph / Hz)	Outdoor	230V / 1Ph + N / 50Hz		
	Indoor	230V / 1Ph + N / 50Hz		
Rated Load Amps (AS/NZS3823.1.2) Full Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	14.3 / 2.8 / 17.1	15.4 / 3.5 / 18.9	18.9 / 4.0 / 22.9
	Outdoor / Indoor / Total	21.6 / 2.9 / 24.5	26.2 / 3.5 / 29.7	26.9 / 4.0 / 30.9
[4] Circuit Breaker Amps		25.0	32.0	32.0
IP Rating	Outdoor	IP44		
	Indoor	IP20		
Compressor	Type / No. per Unit	Tru-Inverter Variable Speed Scroll / 1		
	Starting Method	In-built Soft Starting		
No. Refrigeration Circuits/No. Capacity Stages (Capacity range)		1 / Variable Capacity (20-100%)		
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	900	1000	1150
	Nominal	660	750	900
	Minimum	170	200	240
Outdoor Dimensions (mm)	Depth	580	580	580
	Height	990	1045	1045
	Width	1320	1460	1460
Indoor Dimensions (mm)	Depth	615	615	680
	Height	412	412	435
	Width	1290	1290	1420
[5] Nominal Weight (kgs)	Outdoor	136	150	160
	Indoor	59	62	76
Field Pipe Size	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)
[6] Sound Pressure Level (dBA) [7] Sound Power Level (dBA)	Outdoor (low/high fan)	47 / 52	48 / 54	48 / 54
	Outdoor (low/high fan)	64 / 69	65 / 71	65 / 71
MEPS Compliant		Yes	Yes	Yes
[8] Demand Response		Capable		

Control Features			
QUE Touch Controller QTB-1000 (Black) †	Required	Required	Required
QUE Touch Controller QTW-1000 (White) †	Required	Required	Required
QUE Zone Controller QZB-100 (Black)	Optional	Optional	Optional
QUE Zone Controller QZW-100 (White)	Optional	Optional	Optional
QUE Remote Sensor QSB-10 (Black)	Optional	Optional	Optional
QUE Remote Sensor QSW-10 (White)	Optional	Optional	Optional
Blue Epoxy Coat Coil Fin Protection (Indoor & Outdoor Coils)	Standard	Standard	Standard
Compressor Soft Start via Variable Speed Drive Control	Standard	Standard	Standard
Home /Building Automation ON/OFF Capability	No	No	No
QUE Connect for wireless control ^	Standard	Standard	Standard
Maximum Number of Zones	8	8	8

* TRU-MAX™ continual operation at maximum capacity, for more information refer to Controls and Accessories section of the ActronAir Product Range Brochure.
^ Requires Wi-Fi connection at home and QUE Connect App to be downloaded on a smart device.
† At least one QUE Touch Controller is required to operate Platinum QUE systems.

Foot Notes 1-7

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.
7. Determination of Sound Power Levels of Noise Sources, AS1217.2 - Precision Methods for Broad-Band Sources in Reverberation Rooms.
8. When Demand Response capability option is chosen, the air conditioner will be fully compliant with AS4755.3 in the following modes: DRM 1, 2, 3.

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

QUE System – Specifications

QUE Touch Master Controller	
Compatible with ActronAir Model	ESP Platinum: CRQ2-14AS/ERQ2-14AS, CRQ3-17AS/ERQ3-17AS and CRQ4-19AS/ERQ4-19AS
Power Supply	12VDC ±5%
Screen Display	5.72" LCD capacitive touch screen
Wi-Fi Compatibility	802.11 b/g/n 2.4 Ghz
Temperature Sensor	Yes
Humidity Sensor	Yes
Proximity/Light Sensor	Yes
Operating Temperature	0°C to +50°C
Storage Temperature	-20°C to +55°C
Dimensions (mm)	154 x 122 x 22 (W x H x D)
Weight (grams)	290
Build	Aluminium/plastic/stainless steel
Colour	Black/silver or white/silver
Maximum Zones	8 zones

QUE Zone Controller	
Compatible with ActronAir Model	QTB-1000, QTW-1000
Power Supply	12VDC±5% or 4xAAA (Estimated 2 year battery life, based on standard testing)
Screen Display	2.7" graphic display
Operating Temperature	0°C to +50°C
Storage Temperature	-20°C to +55°C
Temperature Sensor	Yes
Light Sensor	Yes
Dimensions (mm)	85 x 106 x 19 (W x H x D)
Weight (grams)	110
Build	Aluminium/plastic/stainless steel
Colour	Black/silver or white/silver

QUE Sense Remote Sensor	
Compatible with ActronAir Model	QTB-1000, QTW-1000
Power Supply	12VDC±5% or 2xAAA (Estimated 2 year battery life, based on standard testing)
Operating Temperature	0°C to +50°C
Storage Temperature	-20°C to +55°C
Temperature Sensor	Yes
Dimensions (mm)	74 x 74 x 19 (W x H x D)
Weight (grams)	70
Build	Aluminium/plastic/stainless steel
Colour	Black/silver or white/silver

QUE Connect Mobile App	
Compatible with ActronAir Model	QTB-1000, QTW-1000
Platform	iOS and Android
OS Requirements	iOS 9 or later, Android 5.0 Lollipop or later
Mobile Device Resolution	**iOS:** Minimum of 1136 x 640 screen resolution **Android:** Minimum 1920 x 1080 screen resolution
Connection Requirements	Wi-Fi or mobile data with internet access

ActronAir

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AIR CONDITIONING & REFRIGERATION

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