

PRODUCT RANGE

From 2.6kW to 196kW, our award winning product range ensures we have the solution to suit every lifestyle.



That's better. That's Actron.



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.



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

Mark 'Frosty' Winterbottom
Professional V8 Supercars Driver

Industry Recognition

Don't just take our word for it

When we design our products, we don't do it with the goal of receiving awards in mind. Instead we choose to focus on producing the best product possible, designed to suit our unique conditions while delivering reliable, energy efficient performance.

However, we are always pleased when any of our products achieve industry recognition. We believe in our products and the performance they provide and it's always nice when those who know our industry best agree with us.



ActronAir Industry Awards:

- 2007 AIRAH Achievement Award Winner – ESP Plus
- 2008 CoolWorld Award Winner – ESP Plus
- 2012 ARBS Industry Award Finalist – ESP Ultima
- 2012 AIRAH Award Finalist for Excellence in innovation – Tri-Capacity
- 2013 AIRAH Award Finalist for Excellence in Sustainability – Tri-Capacity
- 2013 AIRAH Award Finalist for Excellence in Refrigeration Research – Hercules
- 2014 Endeavour Award Finalist – Hercules
- 2014 ARBS Industry Award Winner for Product Excellence – Hercules
- 2014 AIRAH Award Winner for Excellence in Sustainability – ESP Platinum Series
- 2016 Good Design Award Winner – QUE
- 2017 Family Business Australia Hall of Fame - ActronAir
- 2017 AIRAH Award Finalist for Product of the Year - QUE



2008
CoolWorld Award Winner
ESP Plus



2014
ARBS Industry Award Winner
Hercules



2014
AIRAH Award Winner
ESP Platinum Series



2016
Good Design Award Winner
QUE





















2017
Family Business Australia Hall of Fame

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Technology Overview

Tru-Inverter

Variable speed compressor and drive technology

- Delivers faster heating & cooling
- Step-less inverter
- Variable capacity 20-100%
- Tru-Max operation for powerful heating and cooling
- Best in class seasonal energy efficiency for lowest running costs
- Four times quieter at part load operation
- Delivers precise temperature control within $\pm 0.3^\circ$ of the set point
- Superior operating range:
Cooling: up to 50°C DB
Heating: down to -15°C DB
- In built active power factor correction and minimal in-rush current reduces load on the power grid, stress on compressor and eliminates the need for a soft starter.



Inverter Drive and DC Compressor

Variable speed compressor and inverter drive technology

- Turn down ratio up to 4:1, capacity range 25-100%
- Unique compressor start up program reduces start-up noise and mechanical stress and improves reliability
- Optimised algorithms improves part-load energy efficiency
- Full compressor operation at 50°C ambient conditions
- In built compressor run-time equalisation
- In built compressor protection reduces downtime
- In built active power factor correction and minimal in-rush current reduces load on the power grid, stress on compressor and eliminates the need for a soft starter
- Two stage system allows for a 50% redundancy



High efficiency EON Neo EC fan

Variable flow technology

- Variable fan automatically adjusts to deliver just the right amount of airflow to different zones
- Significantly reduces energy consumption
- 20% more efficient than a DC motor
- Learns ducting and zoning System
- One zone operation without a dump zone
- Quiet and smooth operation transition
- No start up or stopping noise
- 85% more efficient when operating at a minimum speed



EC Plug Fan

Indoor Fan

- Variable airflow for improved efficiency and comfort
- Program control feature for exact airflow requirements
- High static easily achieved (up to 500Pa)
- Significant time saved for on-site commissioning
- Eliminates belt dust and belt adjustment providing a cleaner environment and lowers operational maintenance cost
- Automatic compensation for loaded filters to deliver constant airflow requirements
- Improved occupant comfort



QUE

The most advanced integrated home air conditioning control platform yet

- 5.7" – 1080x720 pixel full colour capacitive touch screen
- Dual core processor 1GB RAM
- Proximity and light sensor
- Temperature and humidity sensor
- White LED backlit home button
- Anodized aluminium and brushed stainless steel build



EC Axial Fan

Outdoor Fan

- EC outdoor fans deliver improved performance and efficiency when compared to AC technology
- EC motors perform with an efficiency of up to 90%
- Delivers low ambient cooling, ducted discharge with up to 125Pa and full performance operation at 50°C



Product Line Up & Total Capacity kW

3kW 5kW 7kW 9kW 12kW 15kW 17kW 20kW 23kW 25kW 30kW 40kW 47kW 62kW 70kW 85kW 96kW 140kW 170kW 200kW

Room Type	Product Name	Image	Description	Phase	Capacity Range (kW)
Single Room	SERENE Wall hung split		With full DC Inverter technology, the Serene wall split system delivers improved energy efficiency and reduced running costs.	Single Phase	3kW - 7kW
	CASCADE Cassette		A perfect fit for suspended or 'floating' ceilings, the ceiling mounted Cascade cassette system covers a wide range of applications	Single Phase	5kW - 15kW
Multi Room	MULTIELITE Multi-split		MultiElite multi-split system allows you to run up to five indoor units through a single outdoor unit.	Single Phase	5kW - 15kW
	BULKHEAD		A convenient compact design making it ideal for a large range of applications. It features a wall control and drain pump as standard.	Single Phase	3kW - 7kW
	MINI CASSETTE		A convenient compact design making it ideal for a large range of applications. It features drain pump as standard but also gives you the choice of either a wireless remote or wall control for your convenience.	Single Phase	3kW - 5kW
Split Ducted	ULTRASLIM Low profile system		Lowest heights of any ducted unit in its category with a host of state-of-the-art features, including DC fan motors, DC rotary compressors, and programmable timers	Single Phase	7kW - 12kW
	ADD ON		Designed for use with gas ducted heating systems.	Single Phase	15kW - 20kW
				Three Phase	20kW - 30kW
	CLASSIC		The SRA range operates at 100% capacity to deliver maximum performance in all seasons.	Single Phase	9kW - 15kW
				Three Phase	12kW - 25kW
	ESP+ PLUS		ESP Plus incorporates digital variable capacity (10-100%) operation for improved temperature control and energy efficiency, along with Variable Fan Technology (VFT) to deliver further energy efficiency.	Single Phase	12kW - 17kW
				Three Phase	15kW - 20kW
	ESP ULTIMA		ESP Ultima combines the energy efficiency of VFT with Variable Air Volume (VAV) technology for individual temperature control of up to 8 zones.	Single Phase	15kW - 20kW
				Three Phase	17kW - 23kW
	ESP+ PLATINUM		ESP Platinum Plus incorporates Tru-Inverter™ variable capacity (20-100%) operation for improved temperature control and energy efficiency, along with Variable Fan Technology (VFT) to deliver further energy efficiency.	Single Phase	15kW - 20kW
	ESP PLATINUM ULTIMA		ESP Platinum Ultima combines all the benefits of ESP Platinum Plus with Variable Air Volume (VAV) technology for individual temperature control of up to 8 zones.	Single Phase	15kW - 20kW
	ESP PLATINUM QUE		ESP Platinum QUE combines all the benefits of ESP Platinum Plus with QUE, the most advanced integrated home air conditioning control platform yet.	Single Phase	15kW - 20kW
	COMMERCIAL DUCTED		Incorporating scroll compressor technology in single stage (100% capacity) or two stage (50 & 100% capacity) operation for improved comfort, performance and reliability.	Three Phase	30kW - 40kW
TRI-CAPACITY		This unique technology delivers 3 capacity stages (~33, 66, 100% capacity) for improved efficiency, performance and reliability. Designed with 'dial-up' airflow features for ease of commissioning.	Three Phase	47kW - 62kW	
Packaged	COMMERCIAL DUCTED		Incorporating scroll compressor technology in single stage (100% capacity) or two stage (50 & 100% capacity) operation for improved comfort, performance and reliability.	Three Phase	15kW - 30kW
	TRI-CAPACITY		This unique technology delivers 3 capacity stages (~33, 66, 100% capacity) for improved efficiency, performance and reliability. Designed with 'dial-up' airflow features for ease of commissioning.	Three Phase	47kW - 70kW
	HERCULES		Hercules delivers world class seasonal efficiency, performance, comfort and control. In an Australian first, Hercules® incorporates variable capacity inverter technology, EC fan technology and a state of the art controls platform to high capacity packaged units.	Three Phase	140kW - 200kW

Serene style and substance.

With its sleek form and clever features, Serene will keep your home warm and cosy in winter, cool and fresh in summer and stylish all year round. It's perfect for apartments, living areas or single rooms and with the greatest temperature operating range on the market, you can take comfort that the Serene will be there for you in those sizzling heat waves, or Arctic cold snaps.



1 PHASE

Wall Hung Split System 2.65-8.2kW

Technical Information						
OUTDOOR MODEL		WRC-026AS	WRC-035AS	WRC-050AS	WRC-071AS	WRC-080AS
INDOOR MODEL		WRE-026AS	WRE-035AS	WRE-050AS	WRE-071AS	WRE-080AS
Nett (Rated) Capacity (kW) (AS/NZS3823.1.1)	Cooling (min-max)	2.65 (1.06 - 3.45)	3.55 (1.42 - 4.62)	5.00 (2.00 - 6.00)	7.10 (3.55 - 7.81)	8.00 (4.00 - 8.80)
	Heating (min-max)	2.85 (0.86 - 3.71)	3.75 (1.13 - 4.88)	5.15 (1.55 - 6.18)	7.65 (2.68 - 8.42)	8.15 (2.85 - 8.97)
Input Power (kW) (AS/NZS3823.1.1)	Cooling Rated	0.59	0.86	1.32	1.98	2.30
	Heating Rated	0.63	0.84	1.32	2.06	2.37
² EER Rated (AS/NZS3823.1.1)	Cooling Rated	4.49	4.13	3.79	3.59	3.48
³ COP Rated (AS/NZS3823.1.1)	Heating Rated	4.52	4.46	3.90	3.71	3.44
Star Rating (AS/NZS3823.1)	Cooling	4.0★	3.5★	2.5★	2.5★	2.0★
	Heating	4.0★	4.0★	3.0★	2.5★	2.0★
Power Supply (V / Ph / Hz)	Outdoor	220-240V / 1Ph + N / 50Hz				
Rated Load Amps (AS/NZS3823.1.1)	Cooling	2.75	3.94	5.91	8.77	10.16
	Heating	2.79	3.74	5.89	9.12	10.44
Full Load Amps (AS/NZS3823.1.1)		7.0	7.0	8.5	13.5	13.5
Circuit Breaker Amps		10.0	10.0	10.0	16.0	16.0
⁴ Suggested Minimum Mains Cable Size		1.5mm ⁽²⁾	1.5mm ⁽²⁾	1.5mm ⁽²⁾	2.5mm ⁽²⁾	2.5mm ⁽²⁾
⁴ Suggested Minimum Indoor to Outdoor Cable Size & Type		1.0mm ² 3 Core + Earth				
IP Rating	Outdoor	IP24				
	Indoor	IP20				
Moisture Removal (L/hr)		1.0	1.2	1.8	2.6	3.0
Compressor		Inverter Rotary				
Refrigerant		R410A				
Airflow Range Indoor (l/s)	Turbo	167	194	333	403	403
	High	161	181	306	386	386
	Medium	133	158	264	356	356
	Low	106	117	211	242	242
	Quiet	78	97	158	144	208
Outdoor Dimensions (mm)	Depth	333	333	363	410	410
	Height	554	554	702	810	810
	Width	800	800	845	946	946
Indoor Dimensions (mm)	Depth	193	222	222	232	232
	Height	302	325	325	342	342
	Width	805	964	964	1106	1106
⁵ Nominal Weight (kgs)	Outdoor	33.2	32.1	40.5	59.2	62.7
	Indoor	8.5	10.3	10.4	13.7	13.6
Indoor Sound Pressure Level (dBA)	(Quiet/low/med/high/turbo)	28/32/37/42/43	28/31/38/43/45	29/37/42/44/45	32/36/44/47/49	34/38/44/47/49
⁶ Outdoor Sound Pressure Level (dBA) 1m		52	52	55	56	62
⁷ Outdoor Sound Power Level (dBA)		60	60	63	64	70
Outdoor Operating Range (°C)	Cooling	-15°C to 50°C				
	Heating	-25°C to 30°C				
MEPS Compliant		Yes	Yes	Yes	Yes	Yes
⁹ Demand Response Capability (AS4755.3)		Capable				

Better Features

- Quiet operation
- Auto restart function
- Turbo mode
- 24 hour timer on/off
- Multi-directional airflow
- Remote on/off
- Dry mode operation
- Sleep program
- Fan speed - Auto, Low, Medium, High
- Follow me function
- Powder coated panels
- Hydrophilic aluminium coated coil protection to evaporator and condenser
- Self clean function
- Demand response capable

Single Room



Control Features						
OUTDOOR MODEL		WRC-026AS	WRC-035AS	WRC-050AS	WRC-071AS	WRC-080AS
INDOOR MODEL		WRE-026AS	WRE-035AS	WRE-050AS	WRE-071AS	WRE-080AS
Remote Controller		RC-01	RC-01	RC-01	RC-01	RC-01
Wired Controller - Optional		WC-02	WC-02	WC-02	WC-02	WC-02
Follow Me Function		Yes	Yes	Yes	Yes	Yes
Sleep		Yes	Yes	Yes	Yes	Yes
Turbo		Yes	Yes	Yes	Yes	Yes
Auto Defrost Function		Yes	Yes	Yes	Yes	Yes
Self Clean Function		Yes	Yes	Yes	Yes	Yes
Timer On/Off		Yes	Yes	Yes	Yes	Yes
7-Day Scheduler / Weekly timer		Optional	Optional	Optional	Optional	Optional
Dehumidification		Yes	Yes	Yes	Yes	Yes
Multi-directional Airflow	Up - Down	Automatic	Automatic	Automatic	Automatic	Automatic
	Left - Right	Automatic	Automatic	Automatic	Automatic	Automatic
Hydrophilic Aluminium Coil Protection	Indoor	Yes	Yes	Yes	Yes	Yes
	Outdoor	Yes	Yes	Yes	Yes	Yes
		Yes	Yes	Yes	Yes	Yes
Louvre Memory		Yes	Yes	Yes	Yes	Yes
Indoor Fan Speed		12 Grades	12 Grades	12 Grades	12 Grades	12 Grades
Outdoor Fan Speed		5 Grades	5 Grades	5 Grades	5 Grades	5 Grades
Quiet Mode		Yes	Yes	Yes	Yes	Yes
Auto Restart Function		Yes	Yes	Yes	Yes	Yes
Fault Alarm Output Port		Yes	Yes	Yes	Yes	Yes
Remote On/Off		Yes	Yes	Yes	Yes	Yes
Left-Right Hand Drain Connection		Yes	Yes	Yes	Yes	Yes
Mute Operation		Yes	Yes	Yes	Yes	Yes

Field Piping and Connections						
		1175	1175	1575	2150	2300
Refrigerant Charge	Factory Charge - (g)	1175	1175	1575	2150	2300
	Pre-Charge Length - (m)	10	10	10	10	10
	Additional Refrigerant Charge - (g/m)	15	15	15	30	30
Minimum Field Pipe Length - (m)		3	3	3	3	3
Maximum Field Pipe Length - (m)		25	25	30	50	50
Maximum Vertical Height Differential (m) included in max length		10	10	20	25	25
Field Pipe Size	Liquid Pipe - mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	Gas Pipe - mm (inch)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)	15.9 (5/8)	15.9 (5/8)
Outdoor Unit Connections	Liquid Pipe - mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	Gas Pipe - mm (inch)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)	15.9 (5/8)	15.9 (5/8)
Indoor Unit Connections	Liquid Pipe - mm (inch)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)	15.9 (5/8)	15.9 (5/8)
	Gas Pipe - mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
Wiring Method		Hardwire to Outdoor				
Interconnect Cables		3 Core + Earth				

* For more information please refer to Controls and Accessories section on pages 44-47. For footnotes 0-12, please see page 48.



The Cascade cassette system – style that’s through the roof.

A perfect fit for suspended or ‘floating’ ceilings, the ceiling mounted Cascade cassette system covers a wide range of applications, such as residential, retail and commercial spaces.

The Cascade has many state-of-the-art features, including 360° airflow, which delivers air from not only all four sides but from all four corners as well. It’s also stylishly attractive, with a discrete design that complements any surrounding.



1 PHASE

Cassette System 5.30-13.75kW

		Technical Information				
OUTDOOR MODEL		URC-053AS	URC-071AS	URC-100AS	URC-125AS	URC-140AS
INDOOR MODEL		CRE-053AS	CRE-071AS	CRE-100AS	CRE-125AS	CRE-140AS
Nett (Rated) Capacity (kW) (AS/NZS3823.1.1)	Cooling (min - max)	5.30 (2.10 - 6.36)	7.10 (2.80 - 8.40)	10.50 (4.20 - 12.60)	12.50 (5.00 - 15.00)	13.75 (5.60 - 16.80)
	Heating (min - max)	5.95 (2.32 - 6.96)	7.85 (3.00 - 9.00)	10.70 (4.32 - 12.95)	14.50 (5.20 - 15.60)	15.30 (5.80 - 17.50)
Input Power (kW) (AS/NZS3823.1.1)	Cooling Rated	1.44	2.11	3.11	3.70	4.08
	Heating Rated	1.63	2.25	2.88	4.03	4.41
² EER Rated (AS/NZS3823.1.1)	Cooling	3.68	3.36	3.38	3.38	3.37
³ COP Rated (AS/NZS3823.1.1)	Heating	3.65	3.49	3.72	3.60	3.47
Star Rating (AS/NZS3823.1.1)	Cooling	2.5 ★	2.0 ★	2.0 ★	2.0 ★	2.0 ★
	Heating	2.5 ★	2.0 ★	2.5 ★	2.0 ★	2.0 ★
Power Supply - (V / Ph / Hz)	Outdoor	220 - 240 V / 1Ph+N / 50Hz				
Rated Load Amps (AS/NZS3823.1.1)	Cooling	6.4	9.4	13.7	16.1	17.8
	Heating	7.3	10.0	12.7	17.7	19.2
Full Load Amps (AS/NZS3823.1.1)		15.5	17.5	21.5	26.5	26.5
Circuit Breaker Amps		20.0	20.0	25.0	32.0	32.0
⁴ Suggested Minimum Mains Cable Size		2.5mm ²	2.5mm ²	4.0mm ²	6.0mm ²	6.0mm ²
⁴ Suggested Minimum Indoor to Outdoor Power Cable Size & Type		1.0mm ² 2 Core + Earth	1.0mm ² 2 Core + Earth	1.0mm ² 2 Core + Earth	1.0mm ² 2 Core + Earth	1.0mm ² 2 Core + Earth
IP Rating	Outdoor	IP24				
	Indoor	IP20				
Moisture Removal (L/hr)		1.4	1.5	1.7	3.0	4.0
Compressor Type		Inverter Twin-Rotary				
Refrigerant		R410A				
Airflow Range Indoor (l/s)	High	269	369	444	511	511
	Medium	248	322	408	467	467
	Low	219	386	361	414	414
Outdoor Dimensions (mm)	Depth	363	410	410	415	415
	Height	702	810	810	1333	1333
	Width	845	946	946	952	952
Indoor Dimensions (mm)	Depth	840	840	840	840	840
	Height	205	245	287	287	287
	Width	840	840	840	840	840
Indoor Panel Dimensions (mm)	Depth	950	950	950	950	950
	Height	55	55	55	55	55
	Width	950	950	950	950	950
⁵ Nominal Weight (kgs)	Outdoor	42	61	69	98.5	101
	Indoor	28	31	36	36	36
Indoor Sound Pressure Level (dBA) (Low / Med / High)		37 / 41 / 45	40 / 44 / 47	44 / 48 / 51	47 / 50 / 53	47 / 50 / 53
⁶ Outdoor Sound Pressure Level (dBA) 1m		61	61	62	63	63
⁷ Outdoor Sound Power Level (dBA)		69	69	70	71	71
Outdoor Operating Range (°C)	Cooling	-15°C to 50°C				
	Heating	-25°C to 30°C				
MEPS Compliant		Yes	Yes	Yes	Yes	Yes
⁹ Demand Response Capability (AS4755.3)		Capable				

Better Features

- Aesthetically pleasing and unobtrusive, while providing maximum comfort without attracting attention
- 360° airflow from not only its four sides, but also from its four corners
- Independent vane control gives you the flexibility to set different angles
- Turbo mode

- Hydrophilic aluminium coated coil protection to evaporator and condenser
- Auto restart function
- Digital display and external on/off button
- Extras - Remote on/off and fault alarm ports, drain pump and supply air and outside air connections
- Demand response capable



Single Room

		Features				
OUTDOOR MODEL		URC-053AS	URC-071AS	URC-100AS	URC-125AS	URC-140AS
INDOOR MODEL		CRE-053AS	CRE-071AS	CRE-100AS	CRE-125AS	CRE-140AS
Wired Wall Controller		WC-02	WC-02	WC-02	WC-02	WC-02
Remote Controller - Optional		RC-01	RC-01	RC-01	RC-01	RC-01
Follow Me Function		Yes	Yes	Yes	Yes	Yes
Sleep		Yes	Yes	Yes	Yes	Yes
Turbo		Yes	Yes	Yes	Yes	Yes
Auto Defrost Function		Yes	Yes	Yes	Yes	Yes
Timer On/Off		Yes	Yes	Yes	Yes	Yes
7-Day Scheduler / Weekly timer		Yes	Yes	Yes	Yes	Yes
Dehumidification		Yes	Yes	Yes	Yes	Yes
Drain Pump		Yes	Yes	Yes	Yes	Yes
Hanging Brackets		Yes	Yes	Yes	Yes	Yes
360° Airflow		Yes	Yes	Yes	Yes	Yes
Independent Louvre Control		Yes	Yes	Yes	Yes	Yes
Twin System Operation		N/A	N/A	Optional	N/A	Optional
Supply Duct Outlet		Optional	Optional	Optional	Optional	Optional
Outside Air Intake		Optional	Optional	Optional	Optional	Optional
Hydrophilic Aluminium Coil Protection	Indoor	Yes	Yes	Yes	Yes	Yes
	Outdoor	Yes	Yes	Yes	Yes	Yes
Louvre Memory		Yes	Yes	Yes	Yes	Yes
Indoor Fan Speed		4	4	4	4	4
Outdoor Fan Speed		5 Grades	5 Grades	5 Grades	5 Grades	5 Grades
Auto Restart Function		Yes	Yes	Yes	Yes	Yes
Fault Alarm Output Port		Yes	Yes	Yes	Yes	Yes
Remote On/Off		Yes	Yes	Yes	Yes	Yes

		Field Piping and Connections				
Refrigerant	Factory Charge - (g)	1850	2900	3800	4500	4900
	Pre-Charge Length - (m)	15	15	15	15	15
	Additional Refrigerant Charge - (g/m)	15	30	30	30	30
Minimum Field Pipe Length - (m)		5	5	5	5	5
Maximum Field Pipe Length - (m)		30	50	65	65	65
Maximum Vertical Height Differential (m) included in max length		20	25	30	30	30
Field Pipe Size	Liquid Pipe - mm (inch)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas Pipe - mm (inch)	12.7 (1/2)	15.9 (5/8)	15.9 (5/8)	19.05 (3/4)	19.05 (3/4)
Outdoor Unit	Liquid Pipe - mm (inch)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas Pipe - mm (inch)	12.7 (1/2)	15.9 (5/8)	15.9 (5/8)	19.05 (3/4)	19.05 (3/4)
Indoor Unit	Gas Pipe - mm (inch)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Liquid Pipe - mm (inch)	12.7 (1/2)	15.9 (5/8)	15.9 (5/8)	19.05 (3/4)	19.05 (3/4)
Wiring Method		Hardwire to Outdoor				
Interconnect Data Cable		2 Core 14/0.20 (0.44m ²) Shielded				
Interconnect Power Cable		2 Core + Earth				

* For more information please refer to Controls and Accessories section on pages 44-47. For footnotes 0-12, please see page 48.



MULTIELITE

Share the comfort with the MultiElite multi split system.

A single wall split air conditioning unit is great for a single room, however, if you need multiple rooms air conditioned, then you need to consider the MultiElite multi split system.

The beauty of our MultiElite is that it allows up to five individual air conditioning heads to be installed throughout your home, office or retail space, using just the one outdoor unit.



1 PHASE

Multi Split System 5.20-13.50kW

Technical Information							
OUTDOOR MODEL		MRC-052AS-2	MRC-071AS-3	MRC-100AS-4	MRC-110AS-5	MRC-135AS-5	
APPLICABLE INDOOR MODEL/S	Wall Hung	WRE-026AS	WRE-026AS	WRE-026AS	WRE-026AS	WRE-026AS	
		WRE-035AS	WRE-035AS	WRE-035AS	WRE-035AS	WRE-035AS	
		WRE-050AS	WRE-050AS	WRE-050AS	WRE-050AS	WRE-050AS	
	Bulkhead	-	WRE-071AS	WRE-071AS	WRE-071AS	WRE-071AS	WRE-071AS
		BRE-026AS	BRE-026BS	BRE-026BS	BRE-026BS	BRE-026BS	
		BRE-035AS	BRE-035BS	BRE-035BS	BRE-035BS	BRE-035BS	
		BRE-052AS	BRE-052BS	BRE-052BS	BRE-052BS	BRE-052BS	
	Mini-Cassette	-	BRE-071BS	BRE-071BS	BRE-071BS	BRE-071BS	
		MRE-035AS	MRE-035AS	MRE-035AS	MRE-035AS	MRE-035AS	
			MRE-050AS	MRE-050AS	MRE-050AS	MRE-050AS	
	Nett (Rated) Capacity (kW) (AS/NZS3823.1.4)	Cooling (min - max)	5.20	7.10	9.85	10.95	13.50
		Heating (min - max)	5.80	7.75	9.90	11.20	14.80
Input Power (kW) (AS/NZS3823.1.4)	Cooling Rated	1.43	1.99	2.48	3.00	3.82	
	Heating Rated	1.58	1.92	2.58	2.80	4.17	
² EER Rated (AS/NZS3823.1.4)	Cooling Rated	3.64	3.57	3.97	3.65	3.53	
³ COP Rated (AS/NZS3823.1.4)	Heating Rated	3.67	4.04	3.84	4.00	3.55	
Power Supply - (V / Ph / Hz)	Outdoor	220 - 240 V / 1Ph+N / 50Hz					
Rated Load Amps (AS/NZS3823.1.4)	Cooling	6.6	8.8	10.9	13.2	16.8	
	Heating	7.2	8.5	11.4	12.4	18.3	
Full Load Amps	³ Maximum possible combination	16.1	18.4	20.8	27.0	32.1	
	Outdoor Unit Only	14.0	14.5	16.0	21.0	25.8	
⁴ Circuit Breaker Amps and Main Cable Amps	Calculate based on installed combination and refer to AS/NZS3000 for correct size						
⁴ Suggested Minimum Indoor to Outdoor Cable Size & Type		1.0mm ² 3 Core + Earth	1.0mm ² 3 Core + Earth	1.0mm ² 3 Core + Earth	1.0mm ² 3 Core + Earth	1.0mm ² 3 Core + Earth	
IP Rating	Outdoor	IP24	IP24	IP24	IP24	IP24	
Compressor Type	Inverter Twin-Rotary						
Refrigerant	R410A						
Outdoor Dimensions (mm)	Depth	363	410	410	410	415	
	Height	702	810	810	810	1333	
	Width	845	946	946	946	952	
⁵ Nominal Weight (kgs)	Outdoor	48	67	71	77	102	
⁶ Outdoor Sound Pressure Level (dBA) 1m		60	61	61	65	65	
⁷ Outdoor Sound Power Level (dBA)		67	69	69	73	73	
Outdoor Operating Range (°C)	Cooling	-15°C to 50°C					
	Heating	-25°C to 30°C					
MEPS Compliant		Yes	Yes	Yes	Yes	Yes	
⁹ Demand Response Capability (AS4755.3)		Capable					

Field Piping and Connections						
Refrigerant Charge	Factory Charge - (g)	2150	2620	3300	3980	4980
	Pre-Charge Length - (m)	2 x 10	3 x 10m	4 x 10m	5 x 10m	5 x 10m
	Additional Refrigerant Charge - (g/m)	15	15	15	15	15
Minimum Field Pipe Length - (m)	1 indoor unit	6	9	12	15	15
	For all rooms	30	45	60	60	60
Maximum Field Pipe Length - (m)	For 1 indoor unit	25	30	35	35	35
	From OD unit to ID unit	15	15	15	15	15
Maximum Vertical Height Differential (m) included in max length	From ID unit to ID unit	10	10	10	10	10
	Liquid Pipe - mm (inch)	2 x 6.35 (1/4)	3 x 6.35 (1/4)	4 x 6.35 (1/4)	5 x 6.35 (1/4)	5 x 6.35 (1/4)
Outdoor Unit Connections	Gas Pipe - mm (inch)	2 x 9.52 (3/8)	3 x 9.52 (3/8)	3 x 9.52 (3/8) + 1 x 12.7 (1/2)	4 x 9.52 (3/8) + 1 x 12.7 (1/2)	3 x 9.52 (3/8) + 2 x 12.7 (1/2)
	Adaptors to connect field pipe are supplied with outdoor (MRC) unit	Yes	Yes	Yes	Yes	Yes
Wiring Method		Hardwire to Outdoor				

Better Features

- 🌡️ Different temperatures in different rooms at the same time
- 🔧 Easy installation and commissioning - Additional service valve allows for quicker commissioning, while auto wiring correction eliminates any wiring errors
- 🔒 Hydrophilic aluminium coated coil protection to evaporator and condenser
- 🏠 Outdoor capacities ranging from 5kW to 14kW. The 5kW can connect up to 2 heads while the 14kW can connect up to 5 heads
- 🔄 Auto restart function
- 🔌 Demand response capable

Multi Room



Technical Information (Applicable Indoor Models)											
		Wall Hung Split				Bulkhead				Mini-Cassette	
INDOOR MODEL		WRE-026AS	WRE-035AS	WRE-050AS	WRE-071AS	BRE-026BS	BRE-035BS	BRE-052BS	BRE-071BS	MRE-035AS	MRE-050AS
Moisture Removal (L/hr)		1.0	1.2	1.8	2.6	N/A	N/A	N/A	N/A	N/A	N/A
IP Rating		IP20									
Airflow Range	High	161	181	306	386	167	172	236	361	181	189
	Medium	133	158	264	356	150	156	219	333	147	156
	Low	106	117	211	242	128	139	180	250	125	139
Indoor Dimensions	Depth	193	222	222	232	506	506	674	774	570	570
	Height	302	325	325	342	200	200	210	249	260	260
	Width	805	964	964	1106	700	700	880	1100	570	570
Full Load Amps (AS/NZS3823.1.2) - Indoor Unit		0.240	0.275	0.275	0.400	1.200	1.200	1.500	1.500	0.570	0.570
Nominal Weight		8.5	10.3	10.4	13.7	18.0	18.0	23.0	30.2	16.0	16.0
Indoor Sound Pressure Level (dBA) (Low / Med / High)		32 / 37 / 42	31 / 38 / 43	37 / 42 / 44	36 / 44 / 47	25 / 33 / 38	25 / 33 / 38	37 / 39 / 40	38 / 40 / 43	34 / 37 / 41	41 / 42 / 44
Indoor Unit Connections	Liquid Pipe - mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe - mm (inch)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)	15.9 (5/8)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.9 (5/8)	9.52 (3/8)	12.7 (1/2)
Field Pipe Size	Liquid Pipe - mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe - mm (inch)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)	15.9 (5/8)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.9 (5/8)	9.52 (3/8)	12.7 (1/2)

Features											
Remote Controller - RC-01 (NOT compatible with Bulkhead)		Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	Optional	Optional
Wired Wall Controller - WC-02		Optional	Optional	Optional	Optional	Yes	Yes	Yes	Yes	Yes	Yes
Follow Me Function		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sleep		Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	Yes	Yes
Turbo		Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	Yes	Yes
Auto Defrost Function		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Timer On/Off		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7-Day Scheduler / Weekly timer		Optional	Optional	Optional	Optional	Yes	Yes	Yes	Yes	Yes	Yes
Dehumidification		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Return Air Sensor		N/A	N/A	N/A	N/A	Yes	Yes	Yes	Yes	Yes	Yes
External Static Pressure Settings		N/A	N/A	N/A	N/A	Yes	Yes	Yes	Yes	Yes	Yes
Drain Pump		N/A	N/A	N/A	N/A	Yes	Yes	Yes	Yes	Yes	Yes
Bottom Return Air connection		N/A	N/A	N/A	N/A	Optional	Optional	Optional	Optional	Optional	Optional
Outside Air Intake		N/A	N/A	N/A	N/A	Optional	Optional	Optional	Optional	Optional	Optional
Hanging Brackets		N/A	N/A	N/A	N/A	Yes	Yes	Yes	Yes	Yes	Yes
Multi Directional Airflow	Up - Down	Automatic	Automatic	Automatic	Automatic	N/A	N/A	N/A	N/A	N/A	N/A
	Left - Right	Automatic	Automatic	Automatic	Automatic	N/A	N/A	N/A	N/A	N/A	N/A
Hydrophilic Aluminium Coil Protection	Indoor	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Outdoor	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Louvre Memory		Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
Indoor Fan Speed		12-Speed	12-Speed	12-Speed	12-Speed	3-Speed	3-Speed	3-Speed	3-Speed	3-Speed	3-Speed
Quiet Mode		Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	Yes	Yes
Auto Restart Function		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fault Alarm Output Port		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Remote On/Off		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Left-Right Hand Drain Connection		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Mute Operation		Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A

* For more information please refer to Controls and Accessories section on pages 44-47. For footnotes 0-12, please see page 48.



ULTRASLIM

Ducted comfort, for when space is at a premium.

With one of the lowest heights of any ducted unit in its category, ActronAir's UltraSlim low profile ducted system not only gives you more flexibility when it comes to installation, but ensures optimal comfort without compromise.

And with a host of state-of-the-art features, including DC fan motors, DC rotary compressors, and programmable timers, our new UltraSlim ducted split system uses less power than ever before.



1 PHASE

UltraSlim Low Profile Split Ducted Variable Capacity 7.10-12.50kW

Technical Information				
OUTDOOR MODEL		URC-071AS	URC-100AS	URC-140AS
INDOOR MODEL		LRE-071AS	LRE-100AS	LRE-130AS
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling (min - max)	7.10 (2.80 - 8.40)	10.00 (4.00 - 12.00)	12.50 (5.00 - 15.00)
	Heating (min - max)	8.40 (3.00 - 9.00)	10.90 (4.20 - 12.50)	14.30 (5.72 - 17.16)
Input Power (kW) (AS/NZS3823.1.2)	Cooling Rated	2.07	3.02	3.61
	Heating Rated	2.38	3.05	3.58
² EER Rated (AS/NZS3823.1.2)	Cooling Rated	3.43	3.31	3.46
	³ COP Rated (AS/NZS3823.1.2)	3.53	3.57	3.99
Power Supply - (V / Ph / Hz)	Outdoor	220 - 240 V / 1Ph+N / 50Hz		
Rated Load Amps (AS/NZS3823.1.2)	Cooling	10.0	14.1	15.8
	Heating	11.3	13.7	15.6
Full Load Amps (AS/NZS3823.1.2)		17.5	21.5	26.5
Circuit Breaker Amps		20.0	25.0	32.0
⁴ Suggested Minimum Mains Cable Size		2.5mm ²	4.0mm ²	6.0mm ²
⁴ Suggested Minimum Indoor to Outdoor Power Cable Size & Type		1.0mm ² 2 Core + Earth	1.0mm ² 2 Core + Earth	1.0mm ² 2 Core + Earth
IP Rating	Outdoor	IP24	IP24	IP24
	Indoor	IP20	IP20	IP20
Moisture Removal (L/hr)		1.5	1.7	4.0
Compressor Type		Inverter Twin-Rotary	Inverter Twin-Rotary	Inverter Twin-Rotary
Refrigerant		R410A		
Airflow Range Indoor (l/s)	High	425	600	750
	Medium	368	520	650
	Low	315	440	550
External Static Pressure (Pa) at:	Maximum Airflow (SP1 / SP2 / SP3 / SP4)	13 / 45 / 77 / 117	4 / 48 / 85 / 131	- / 52 / 122 / 167
	Nominal Airflow (SP1 / SP2 / SP3 / SP4)	28 / 58 / 88 / 128	24 / 67 / 104 / 145	29 / 84 / 136 / 180
Outdoor Dimensions (mm)	Depth	410	410	415
	Height	810	810	1333
	Width	946	946	952
Indoor Dimensions (mm)	Depth	774	774	874
	Height	249	249	300
	Width	1100	1360	1200
⁵ Nominal Weight (kgs)	Outdoor	61	69	101
	Indoor	31	40	46.1
Indoor Sound Pressure Level (dBA)	(Low / Med / High)	39 / 42 / 45	40 / 46 / 48	43 / 45 / 48
⁶ Outdoor Sound Pressure Level (dBA) 1m		61	62	64
⁷ Outdoor Sound Power Level (dBA)		69	70	71
Outdoor Operating Range (°C)	Cooling	-15°C to 50°C		
	Heating	-25°C to 30°C		
MEPS Compliant		Yes	Yes	Yes
⁹ Demand Response Capability (AS4755.3)		Capable		

Better Features

- Tailored for tight spaces while providing maximum comfort with minimal footprint
- High static design delivering precise airflow
- Turbo mode allows UltraSlim to run over-capacity for a short period to reach your desired temperature fast
- Ability to change the return air intake from rear to bottom and drain connections from left to right
- Auto-restart function
- Hydrophilic aluminium coated coil protection to evaporator and condenser
- Innovative indoor fan design produces quieter, smoother airflow for absolute comfort
- The extras count - built-in drain pump, remote on/off and fault alarm outputs for installation ease and efficiency.
- Demand response capable

Split Ducted



Features				
OUTDOOR MODEL		URC-071AS	URC-100AS	URC-140AS
INDOOR MODEL		LRE-071AS	LRE-100AS	LRE-130AS
Wired Wall Controller		WC-02	WC-02	WC-02
Follow Me Function		Yes	Yes	Yes
Sleep		Yes	Yes	Yes
Turbo		Yes	Yes	Yes
Auto Defrost Function		Yes	Yes	Yes
Timer On/Off		Yes	Yes	Yes
7-Day Scheduler / Weekly timer		Yes	Yes	Yes
Dehumidification		Yes	Yes	Yes
Return Air Sensor		Yes	Yes	Yes
External Static Pressure Settings		Yes	Yes	Yes
Drain Pump		Yes	Yes	Yes
Bottom Return Air Connection		Optional	Optional	Optional
Outside Air Intake		Optional	Optional	Optional
Hanging Brackets		Yes	Yes	Yes
Hydrophilic Aluminium Coil Protection	Indoor	Yes	Yes	Yes
	Outdoor	Yes	Yes	Yes
Indoor Fan Speed		4-Speed	4-Speed	4-Speed
Outdoor Fan Speed		5-Speed	5-Speed	5-Speed
Auto Restart Function		Yes	Yes	Yes
Fault Alarm Output Port		Yes	Yes	Yes
Remote On/Off		Yes	Yes	Yes
Left-Right Hand Drain Connection – Gravity Fed		Yes	Yes	Yes

Field Piping and Connections					
Refrigerant Charge		Factory Charge - (g)	2900	3800	4900
Pre-Charge Length - (m)	Pre-Charge Length - (m)	15	15	15	15
	Additional Refrigerant Charge - (g/m)	30	30	30	30
		Minimum Field Pipe Length - (m)	5	5	5
Maximum Field Pipe Length - (m)		50	65	65	65
Maximum Vertical Height Differential (m) included in max length		25	30	30	30
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)	15.9 (5/8)	15.9 (5/8)	15.9 (5/8)	19.05 (3/4)
Outdoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas Pipe - mm (inch)	15.9 (5/8)	15.9 (5/8)	15.9 (5/8)	19.05 (3/4)
Indoor Unit	Gas Pipe - mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Liquid Pipe - mm (inch)	15.9 (5/8)	15.9 (5/8)	15.9 (5/8)	19.05 (3/4)
Wiring Method		Hardwire to Outdoor			
Interconnect Data Cable		2 Core 14/0.20 (0.44m ²) Shielded			
Interconnect Power Cable		2 Core + Earth			

* For more information please refer to Controls and Accessories section on pages 44-47. For footnotes 0-12, please see page 48.



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.



Add On Air Conditioning 12.33-23.22kW

1 PHASE **3 PHASE**

Technical Information							
		Single Phase			Three Phase		
OUTDOOR MODEL		SRC131C	SRC151C	SRC171C	SRC173C	SRC203C	SRC233C
INDOOR MODEL		SRA131A	SRA151A	SRA171A	SRA171A	SRA201A	SRA231A
° Nominal Capacity (kW)	(low/med/high)	12.28/12.33/12.82	14.94/15.36/15.78	16.65/16.96/17.49	16.85/17.26/17.68	18.77/19.09/19.70	22.28/23.22/23.89
° Nominal Input Power	(low/med/high)	3.21/3.22/3.23	4.00/4.02/4.04	4.55/4.57/4.59	4.37/4.44/4.49	5.25/5.26/5.27	5.95/6.00/6.03
° Nominal EER	(low/med/high)	3.82/3.83/3.97	3.74/3.82/3.91	3.66/3.71/3.81	3.86/3.89/3.94	3.58/3.63/3.74	3.74/3.87/3.96
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	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)	3.34/3.35 ⁽²⁾ /3.40	4.14 ⁽²⁾ /4.18/4.22	4.70 ⁽²⁾ /4.73/4.77	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)	3.64/3.64 ⁽²⁾ /3.72	3.57 ⁽²⁾ /3.64/3.70	3.51 ⁽²⁾ /3.55/3.63	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)	590/640/850	690/810/950	765/840/980	765/840/980	900/985/1120	980/1200/1400
Coil Static Pressure Drop (Wet/Dry) Pa		100/71	77/55	102/73	102/73	102/73	105/74
Power Supply - (V/Ph/Hz)		230V / 1Ph+N / 50Hz			400V / 3Ph+N / 50Hz		
Outdoor Unit Rated Amps (AS/NZS3823.1.2)		14.4	14.4	20.2	8.6	10.4	12.0
Outdoor Unit Full Load Amps (AS/NZS3823.1.2)		23.1	23.9	30.7	12.3	13.9	15.9
4 Circuit Breaker Amps		32.0	32.0	40.0	20.0	20.0	25.0
IP Rating	Outdoor Unit	IP44					
Compressor	Type/No. per Unit	Compliant Scroll / 1					
	Starting Method	Soft Starter			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	580	580	580	685
	Height	990	990	1045	1045	1045	1105
	Width	1320	1320	1460	1460	1460	1685
Indoor Dimensions (mm)	Depth	342	342	342	342	342	342
	Height	409	409	409	409	436	486
	Width	1054	1252	1252	1252	1360	1410
5 Nominal Weight (kgs)	Outdoor	135	136	176	174	185	200
	Indoor	27	30	32	32	38	41
6 Sound Pressure Level (dBA)	Outdoor (low/high fan)	50 / 52	50 / 52	52 / 54	52 / 54	52 / 54	55 / 59
7 Sound Power Level (dBA)	Outdoor (low/high fan)	67 / 69	67 / 69	69 / 71	69 / 71	69 / 71	71 / 75
MEPS Compliant		Yes	Yes	Yes	Yes	Yes	Yes
12 Demand Response Capability (AS4755.3)		Potentially capable if alternate outdoor board is purchased					

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

Better Features

- Flexible range of duct adaptor options available to suit most duct works
- Zoning capability – up to 8 zones
- Louvered grille guard
- Auto restart function
- IP44 rating
- Hydrophilic aluminium coated coil protection to evaporator and condenser
- Powder coated outdoor panels for additional protection
- Vertical discharge
- Manual inputs available for 3rd party control

Split Ducted

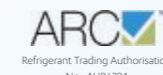


Options & Accessories						
		Single Phase			Three Phase	
OUTDOOR MODEL		SRC131C	SRC151C	SRC171C	SRA173C	SRC203C
INDOOR MODEL		SRA131A	SRA151A	SRA171A	SRA171A	SRA201A
Compressor Soft Start - Included		Yes	Yes	Yes	Optional	Optional
Indoor Drain Kit (ADRKT) - Included		Yes	Yes	Yes	Yes	No
Indoor Unit Integral Fan Coil Safety Tray - Included		Yes	Yes	Yes	Yes	Yes
Optional Outdoor Drain Tray - Model		CDT20	CDT20	CDT22	CDT22	CDT35
Hanging Kit (AHKFC)		Optional				
Duct Plates*		PLDP-2/350	PLDP-2/400		PLDS-2/400	
		PLDP-2/400			PLDT-2/450	
Supply Air Plenum*	1 - Way	PL18S-1/40S			n/a	n/a
	2 - Way	PL18S - 2/35S			n/a	n/a
		PL20S - 2/40S			n/a	n/a
	3 - Way	PL13S - 3/30S			n/a	n/a
		PL18S - 3/35S			n/a	n/a
		PL20S - 3/SPS			n/a	n/a

Variations						
D - Fault Detection (Outdoor Unit)	n/a	n/a	n/a	Optional	Optional	Optional
H - Horizontal Discharge Fan (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional	Optional
K - Coil Protection (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional	Optional
Z - Compressor Soft Starter (Outdoor Unit)	* Standard	* Standard	* Standard	Optional	Optional	Optional

Field Piping and Connections							
Refrigerant Charge	Factory Charge - (g)	5450	4650	6650	7350	7450	8050
	Pre-Charge Length - (m)	15	15	15	15	15	10
	Additional Refrigerant Charge - (g/m)	50	50	50	50	50	100
Maximum Field Pipe Length Range - (m)		0 - 60	0 - 60	0 - 60	0 - 60	0 - 20	20 - 60
Maximum Vertical Height Differential - (m) included in max length		20	20	20	20	20	20
Field Pipe Size	Liquid Pipe - mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)
	Gas Pipe - mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	22.22 (7/8)	25.40 (1)
Outdoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	12.70 (1/2) swaged
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	22.22 (7/8) swaged	25.40 (1) swaged to fit 25.4 (1")
Indoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	12.70 (1/2) swaged
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	22.22 (7/8) swaged	25.40 (1) to be swaged in field
Condensate Drain Connection - Size		20mm OD			20mm ID		25mm ID
Safety Tray Connection - Size		20mm ID			25mm ID		
Air Duct (Opening only, no flange)	Supply Duct H x W - (mm)	345 x 900			365 x 1095		410 x 1095
	Return Duct H x W - (mm)	345 x 900			365 x 1095		410 x 1095

* For more information please refer to Controls and Accessories section on pages 44-47. For footnotes 0-12, please see page 48.



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Classic Split Ducted Standard Cycling 9-16.80kW

1 PHASE

Technical Information						
		Single Phase				
OUTDOOR MODEL		SRE091C	SRA101C	SRA131C	SRA151C	SRA171C
INDOOR MODEL		SRG091E	SRG101E	SRG131E	SRG151E	SRG171E
1 Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Rated)	9.40	10.56	12.75	15.29	17.38
	Heating (Rated)	8.00	10.12	11.69	14.84	17.02
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling	9.00	10.16	12.24	14.97	16.80
	Heating	8.50	10.62	12.17	15.12	17.57
Input Power (kW) (AS/NZS3823.1.2)	Cooling	2.77	3.08	3.75	4.56	5.15
	Heating	2.43	2.96	3.34	4.16	4.76
2 EER Rated (AS/NZS3823.1.2)	Cooling	3.25	3.30	3.26	3.28	3.26
3 COP Rated (AS/NZS3823.1.2)	Heating	3.50	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	9.5 / 2.8 / 12.3	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)	14.2 / 3.5 / 17.7	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		20.0	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 x1	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	520	575	750	880	900
	Nominal	450	500	650	770	850
	Minimum	380	425	590	690	770
External Static Pressure (Pa) at:	Maximum Airflow	108	62	120	120	116
	Nominal Airflow	153	141	206	218	164
Outdoor Dimensions (mm)	Depth	370	535	580	580	580
	Height	805	940	990	990	1045
	Width	1000	1245	1320	1320	1460
Indoor Dimensions (mm)	Depth	595	595	615	615	615
	Height	410	410	412	412	412
	Width	850	850	1090	1290	1290
5 Nominal Weight (kgs)	Outdoor	83	119	135	136	176
	Indoor	41	41	56	59	60
6 Sound Pressure Level (dBA)	Outdoor (low/high fan)	50 / 52	47 / 50	50 / 52	50 / 52	52 / 54
7 Sound Power Level (dBA)	Outdoor (low/high fan)	67 / 69	64 / 67	67 / 69	67 / 69	69 / 71
MEPS Compliant		Yes	Yes	Yes	Yes	Yes
12 Demand Response Capability (AS4755.3)		Potentially capable if alternate outdoor board is purchased				

Control Features					
LM7 Wall Controller (8 Zone)	Included	Included	Included	Included	Included
LM24W Wall Controller (8 Zone) - Secondary Master Controller	Optional	Optional	Optional	Optional	Optional
Remote Temperature Sensor	Optional	Optional	Optional	Optional	Optional
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
ActronConnect Module for Wireless Control	Optional	Optional	Optional	Optional	Optional
BMS Compatibility	Optional	Optional	Optional	Optional	Optional

Better Features

- Zoning capability – up to 8 zones
- Fixed speed – 100% capacity operation
- Louvered grille guard
- Hydrophilic aluminium coated coil protection to evaporator and condenser

- IP44 rating
- Powder coated outdoor panels for additional protection
- Vertical discharge
- Manual inputs available for 3rd party control

Split Ducted



Options & Accessories						
OUTDOOR MODEL		SRE091C	SRA101C	SRA131C	SRA151C	SRA171C
INDOOR MODEL		SRG091E	SRG101E	SRG131E	SRG151E	SRG171E
Two Piece Fan Coil	Coil Section Model	–	–	SRA131A	SRA151A	SRA171A
	Fan Section Model	–	–	SRG131F	SRG151F	SRG171F
	Duct Plates*	–	–	PLDP - 2/350 PLDP - 2/400	PLDP - 2/400	
Compressor Soft Start - Included		Yes	Yes	Yes	Yes	Yes
Indoor Drain Kit (ADRKT) - Included		Yes	Yes	Yes	Yes	Yes
Indoor Unit Integral Fan Coil Safety Tray - Included		Yes	Yes	Yes	Yes	Yes
Optional Outdoor Drain Tray - Model		CDT11	CDT20	CDT20	CDT20	CDT22
Hanging Kits (AHKFC)		Optional				
Return Air Plenum*		PL11R - 1/40S	PL11R - 1/40S	PL13R - 2/35S	PL18R - 2/35S PL20R - 2/40S	
Air Plenum*	1-Way	PL11S - 1/35S		–		
	2-Way	PL11S - 2/30S		PL18S - 2/35S PL20S - 2/40S		
	3-Way	PL11S - 2/35S		PL13S - 3/30S PL18S - 3/35S PL20S - 3/SPS		

Variations					
B - 3rd Party Manual Input (Indoor Unit)	Optional	Optional	Optional	Optional	Optional
H - Horizontal Discharge Fan (Outdoor Unit)	Standard	Optional	Optional	Optional	Optional
K - Coil Protection (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional
V - Upright Fan Coil Vertical Discharge (Fan Coil Unit)	Optional	Optional	Optional	Optional	Optional
Z - Compressor Soft Starter (Outdoor Unit)	10 Standard	10 Standard	10 Standard	10 Standard	10 Standard

Field Piping and Connections						
Refrigerant Charge	Factory Charge - (g)	not pre-charged ^a	4175	5450	4650	6650
	Pre-Charge Length - (m)	0	10	15	15	15
	Additional Refrigerant Charge - (g/m)	50	50	50	50	50
Maximum Field Pipe Length Range - (m)		0 - 25	0 - 60	0 - 60	0 - 60	0 - 60
Maximum Vertical Height Differential - (m) included in max length		20	20	20	20	20
Field Pipe Size	Liquid Pipe - mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas Pipe - mm (inch)	15.90 (5/8)	15.90 (5/8)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
Outdoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged
	Gas Pipe - mm (inch)	15.90 (5/8) swaged	19.05 (3/4) cut swage end	19.05 (3/4)	19.05 (3/4) swaged	19.05 (3/4) swaged
Indoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) to be cut and swaged in the field	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged
	Gas Pipe - mm (inch)	15.90 (5/8) swaged	15.90 (5/8) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged
Condensate Drain Connection - Size		20mm OD				
Safety Tray Connection - Size		20mm ID				
Air Duct (Flange Connection)	Supply Duct H x W - (mm)	175 x 235 (no flange)	175 x 235 (no flange)	300 x 715		
	Return Duct H x W - (mm)	340 x 660	340 x 660	340 x 900	340 x 1100	

^a ADD base charge of 3175 grams in the field. For field pipe length more than 10m, additional 50 grams per metre of pipe length is required.
*For more information refer to Controls and Accessories section on pages 44-47. For footnotes 0-12, please see page 48.



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Classic Split Ducted Standard Cycling 12.40-39.20kW

3 PHASE

Technical Information							
		Three Phase					
OUTDOOR MODEL		SRA133C	SRA153C	SRA173C	SRA203C	SRA233C	SRA260C
INDOOR MODEL		SRG131E	SRG151E	SRG171E	SRG201E	SRG231E	SRA260E
¹ Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Rated)	13.00	15.27	17.56	19.69	22.95	25.15
	Heating (Rated)	11.85	14.45	17.38	18.75	22.30	24.30
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling	12.40	14.68	16.99	19.06	22.35	24.00
	Heating	12.30	15.00	17.92	19.34	23.00	25.50
Input Power (kW) (AS/NZS3823.1.2)	Cooling	3.68	4.43	5.04	5.86	6.59	7.65
	Heating	3.24	3.95	4.58	5.23	6.15	7.55
² EER Rated (AS/NZS3823.1.2)	Cooling	3.37	3.31	3.37	3.25	3.39	3.14
	Heating	3.80	3.80	3.91	3.70	3.74	3.38
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	13.7 / 4.6 / 18.3
	Full Load Amps (AS/NZS3823.1.2)	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	18.6 / 4.9 / 23.5
⁴ Circuit Breaker Amps		16.0	20.0	20.0	20.0	25.0	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					Twin Deck Centrifugal / 4 Pole Direct Drive x 1
Airflow Range Indoor (l/s)	Maximum	750	880	900	1150	1380	1452
	Nominal	650	770	850	1000	1200	1320
	Minimum	590	690	770	900	1020	1122
External Static Pressure (Pa) at:	Maximum Airflow	120	120	116	146	139	135
	Nominal Airflow	206	218	164	188	225	200
Outdoor Dimensions (mm)	Depth	580	580	580	580	685	685
	Height	990	990	1045	1045	1105	1105
	Width	1320	1320	1460	1460	1685	1685
Indoor Dimensions (mm)	Depth	615	615	615	680	695	695
	Height	412	412	412	435	485	485
	Width	1090	1290	1290	1420	1470	1470
⁵ Nominal Weight (kgs)	Outdoor	133	135	174	185	200	245
	Indoor	56	59	60	76	90	90
⁶ Sound Pressure Level (dBA)	Outdoor (low/high fan)	50 / 52	50 / 52	52 / 54	52 / 54	55 / 59	55 / 59
⁷ Sound Power Level (dBA)	Outdoor (low/high fan)	67 / 69	67 / 69	69 / 71	69 / 71	71 / 75	71 / 75
MEPS Compliant		Yes	Yes	Yes	Yes	Yes	Yes
¹² Demand Response Capability (AS4755.3)		Potentially capable if alternate outdoor board is purchased					

Control Features							
LM7 Wall Controller (8 Zone)	Included	Included	Included	Included	Included	Included	Included
LM24W Wall Controller (8 Zone) - Secondary Master Controller	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Remote Temperature Sensor	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Home/Building Automation Remote ON / OFF Capability	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Manual Inputs Capable for Third Party Control	Optional	Optional	Optional	Optional	Optional	Optional	Standard
Maximum Number of Zones	8	8	8	8	8	8	8
ActronConnect Module for Wireless Control	Optional	Optional	Optional	Optional	Optional	Optional	-
BMS Compatibility	Optional	Optional	Optional	Optional	Optional	Optional	n/a

Better Features

- Zoning capability – up to 8 zones
- Fixed speed – 100% capacity operation
- Louvered grille guard
- Hydrophilic aluminium coated coil protection to evaporator and condenser
- IP44 rating
- Powder coated outdoor panels for additional protection
- Vertical discharge
- Manual inputs available for 3rd party control

Split Ducted

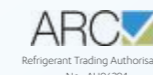


Options & Accessories							
OUTDOOR MODEL		SRA133C	SRA153C	SRA173C	SRA203C	SRA233C	SRA260C
INDOOR MODEL		SRG131E	SRG151E	SRG171E	SRG201E	SRG231E	SRA260E
Two Piece Fan Coil	Coil Section Model	SRA131A	SRA151A	SRA171A	SRA201A	SRA231A	-
	Fan Section Model	SRG131F	SRG151F	SRG171F	SRG201F	SRG231F	-
	Duct Plates*	PLDP - 2/350 PLDP - 2/400	PLDP - 2/400		PLDS - 2/400	PLDT - 2/450	-
Compressor Soft Start - Included	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Indoor Drain Kit (ADRKT) - Included	Yes	Yes	Yes	Yes	No	No	No
Indoor Unit Integral Fan Coil Safety Tray - Included	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Optional Outdoor Drain Tray - Model	CDT20	CDT20	CDT22	CDT22	CDT35	CDT35	CDT35
Hanging Kit (AHKFC)		Optional				Standard	
Return Air Plenum*		PL13R - 2/355	PL18R - 2/355 PL20R - 2/405	PL19R - 2/405 PL19R - 2/455	PL25R - 2/455		
	2-Way		PL18S - 2/355 PL20S - 2/405		PL34S - 2/455		
Supply Air Plenum*	3-Way		PL13S - 3/305 PL18S - 3/355 PL20S - 3/SP5		PL30S - 3/405 PL34S - 3/455		

Variations							
B - 3rd Party Manual Input (Indoor Unit)	Optional	Optional	Optional	Optional	Optional	Optional	-
D - Fault Detection (Outdoor Unit)	-	-	-	-	-	-	Optional
H - Horizontal Discharge Fan (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional	Optional	Optional
K - Coil Protection (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional	Optional	Optional
V - Upright Fan Coil Vertical Discharge (Fan Coil Unit)	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Z - Compressor Soft Starter (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional	Optional	Optional

Field Piping and Connections							
Refrigerant Charge	Factory Charge - (g)	5250	4650	7350	7450	7600	10100
	Pre-Charge Length - (m)	15	15	15	15	10	10
	Additional Refrigerant Charge - (g/m)	50	50	50	50	100	100
Maximum Field Pipe Length Range - (m)	0 - 60	0 - 60	0 - 60	0 - 20	20 - 60	0 - 60	0 - 60
Maximum Vertical Height Differential - (m) included in max length	20	20	20	20	20	20	20
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)	22.22 (7/8)	25.40 (1)	25.40 (1)
Outdoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) cut swage end	12.70 (1/2) swaged
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	22.22 (7/8) swaged	22.22 (7/8) swaged	28.6 (1-1/8) ID to fit field pipe
Indoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) cut swage end	12.70 (1/2) swaged
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	22.22 (7/8) swaged	22.22 (7/8) swaged	25.40 (1) to be swaged in field
Condensate Drain Connection - Size		20mm OD		20mm ID		25mm ID	
Safety Tray Connection - Size		20mm ID			25mm ID		
Air Duct (Flange Connection)	Supply Duct H x W - (mm)	300 x 715			380 x 715		
	Return Duct H x W - (mm)	340 x 900	340 x 1100	360 x 1140		410 x 1190	

* For more information please refer to Controls and Accessories section on pages 44-47. For footnotes 0-12, please see page 48.



Superb comfort and energy savings through digital technology.

ESP stands for Energy Smart Performance and it's how our ESP Plus ducted system keeps you superbly comfortable all year round without wasting energy. Our ESP Plus delivers comfort with such precision you'll forget you even have air conditioning, and because of that precise control you'll also save some serious cash when the electricity bill arrives.



1 PHASE 3 PHASE

ESP Plus Split Ducted Variable Capacity 12.29-23kW

Technical Information							
		Single Phase			Three Phase		
OUTDOOR MODEL		SRD131C	SRD151C	SRD191C	SRD173C	SRD203C	SRD233C
INDOOR MODEL		SRV131E	SRV151E	SRV191E	SRV171E	SRV201E	SRV231E
¹ Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Rated)	12.75	14.67	19.33	17.45	20.10	23.59
	Heating (Rated)	11.71	14.64	17.90	17.39	19.38	22.97
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling (min - max)	12.27 (1.23-12.27)	14.37 (1.44-14.37)	18.64 (1.86-18.64)	16.88 (1.69-16.88)	19.32 (1.93-19.32)	23.00 (2.30-23.00)
	Heating (min - max)	12.16 (2.31-12.16)	15.00 (2.85-15.00)	18.52 (3.52-18.52)	17.93 (3.41-17.93)	20.09 (3.82-20.09)	23.50 (4.47-23.50)
Input Power (kW) (AS/NZS3823.1.2)	Cooling	3.68	4.29	5.73	5.02	5.78	6.76
	Heating	3.30	4.49	5.33	4.81	5.24	6.91
² EER Rated (AS/NZS3823.1.2)	Cooling	3.33	3.35	3.25	3.36	3.34	3.40
	Heating	3.68	3.34	3.47	3.73	3.83	3.40
Power Supply (V / Ph / Hz)	Outdoor	230V / 1Ph + N / 50Hz			400V / 3Ph + N / 50Hz		
	Indoor	230V / 1Ph + N / 50Hz					
Rated Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	13.5 / 3.6 / 17.1	17.5 / 2.3 / 19.8	20.8 / 5.1 / 25.9	8.7 / 4.1 / 12.8 ^{ww}	9.2 / 5.4 / 14.6	14.0 / 4.0 / 18.0
	Full Load Amps (AS/NZS3823.1.2)	23.6 / 4.3 / 27.9	27.1 / 4.3 / 31.4	32.5 / 5.4 / 37.9	12.3 / 4.3 / 16.6	13.5 / 5.9 / 19.4	16.2 / 4.9 / 21.1
⁴ Circuit Breaker Amps		32.0	32.0	40.0	20.0	20.0	25.0
IP Rating	Outdoor	IP44					
	Indoor	IP20					
Compressor	Type / No. per Unit	Digital Scroll / 1					
	Starting Method	Soft Starter					
No. of refrigeration Circuits/No of capacity stages (Capacity range)		1/ Variable (10-100% 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	780	880	1180	900	1200	1440
	Nominal	650	770	980	850	1000	1200
	Minimum	130	155	195	170	200	240
External Static Pressure (Pa) at:	Maximum Airflow	120	120	128	116	120	80
	Nominal Airflow	225	218	192	164	188	170
Outdoor Dimensions (mm)	Depth	580	580	580	580	580	685
	Height	990	990	1045	1045	1045	1105
	Width	1320	1320	1460	1460	1460	1685
Indoor Dimensions (mm)	Depth	615	615	680	615	680	695
	Height	412	412	435	412	435	485
	Width	1090	1290	1420	1290	1420	1470
⁵ Nominal Weight (kgs)	Outdoor	135	136	190	176	185	220
	Indoor	58	61	76	62	76	90
Field Pipe Size	Liquid Pipe - mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	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)	19.05 (3/4)	⁸ 22.22 (7/8)	25.40 (1)
⁶ Sound Pressure Level (dBA)	Outdoor (low/high fan)	47 / 50	50 / 52	52 / 54	52 / 54	52 / 54	54 / 59
	Outdoor (low/high fan)	64 / 67	67 / 69	69 / 71	69 / 71	69 / 71	70 / 75
⁷ Sound Power Level (dBA)	Outdoor (low/high fan)	64 / 67	67 / 69	69 / 71	69 / 71	69 / 71	70 / 75
MEPS Compliant		Yes	Yes	Yes	Yes	Yes	Yes
¹² Demand Response Capability (AS4755.3)		Potentially capable if alternate outdoor board is purchased					

Control Features							
LM7-D Wall Controller (8 Zone)	Included	Included	Included	Included	Included	Included	Included
LM24W Wall Controller (8 Zone) - Secondary Master Controller	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Remote Temperature Sensor	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Home Automation / Remote ON / OFF Capability	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Maximum Number of Zones	8	8	8	8	8	8	8
ActronConnect module for wireless control	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Phase Protection	N/A	N/A	N/A	Standard	Standard	Standard	Standard
Soft Starter	Standard	Standard	Standard	Standard	Standard	Standard	Standard
BMS Compatibility	Optional	Optional	Optional	Optional	Optional	Optional	Optional

Better Features

- Award winning reverse cycle ducted split system
- Variable capacity digital compressor 10 to 100% operation
- Zoning capability – up to 8 zones
- Efficient EC inverter indoor fan
- Louvered grille guard
- IP44 rating
- Hydrophilic aluminium coated coil protection to evaporator and condenser
- Powder coated outdoor panels for additional protection
- Vertical discharge
- Manual inputs available for 3rd party control

Split Ducted



Options & Accessories								
		Single Phase			Three Phase			
OUTDOOR MODEL		SRD131C	SRD151C	SRD191C	SRD173C	SRD203C	SRD233C	
INDOOR MODEL		SRV131E	SRV151E	SRV191E	SRV171E	SRV201E	SRV231E	
Two Piece Fan Coil	Coil Section Model	-	-	SRV191A	-	SRV201A	-	
	Fan Section Model	-	-	SRV191F	-	SRV201F	-	
	Duct Plates*	-	-	PLDS - 2/400	-	PLDS - 2/400	-	
Compressor Soft Start - Included		Yes	Yes	Yes	Optional	Optional	Optional	
Indoor Drain Kit (ADRKT) - Included		Yes	Yes	Yes	Yes	Yes	No	
Indoor Unit Integral Fan Coil Safety Tray - Included		Yes	Yes	Yes	Yes	Yes	Yes	
Optional Outdoor Drain Tray - Model		CDT20	CDT20	CDT22	CDT22	CDT22	CDT35	
Hanging Kit (AHKFC)		Optional						Standard
Return Air Plenum*	2-Way	PL13R - 2/35S	PL18R - 2/35S	PL19R - 2/40S	PL18R - 2/35S	PL19R - 2/40S	PL25R - 2/45S	
			PL20R - 2/40S	PL19R - 2/45S	PL20R - 2/40S	PL19R - 2/45S		
Supply Air Plenum*	2-Way	PL18S - 2/35S					PL34S - 2/45S	
		PL20S - 2/40S					PL22S - 3/35S	
	3-Way	PL13S - 3/30S					PL30S - 3/40S	
		PL18S - 3/35S					PL34S - 3/45S	

Variations						
H - Horizontal Discharge Fan (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional	Optional
K - Coil Protection (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional	Optional
V - Upright Fan Coil Vertical Discharge (Indoor Unit)	Optional	Optional	Optional	Optional	Optional	Optional

Field Piping and Connections							
Refrigerant Charge	Factory Charge - (g)	5150	4850	7950	7050	7450	10050
	Pre-Charge Length - (m)	15	15	15	15	15	10
	Additional Refrigerant Charge - (g/m)	50	50	50	50	50	100
Maximum Field Pipe Length Range - (m)	0 - 60	0 - 60	0 - 60	0 - 60	0 - 20	20 - 60	0 - 60
Maximum Vertical Height Differential - (m) included in max length	20	20	20	20	20	20	20
Field Pipe Size	Liquid Pipe - mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)
	Gas Pipe - mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	¹¹ 22.22 (7/8)	25.40 (1)
Outdoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	12.70 (1/2) cut swage end
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	22.22 (7/8) swaged	28.6 (1-1/8) ID to fit field pipe
Indoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	12.70 (1/2) cut swage end
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	22.22 (7/8) cut swage end	19.05 (3/4) swaged	22.22 (7/8) swaged	25.40 (1) swaged
Condensate Drain Connection - Size		20mm OD		20mm ID	20mm OD	20mm ID	25mm ID
Safety Tray Connection - Size		20mm ID					
Air Duct	Supply Duct H x W - (mm)	300 x 715					
	Return Duct H x W - (mm)	340 x 900	340 x 1100	360 x 1140	340 x 1100	360 x 1140	410 x 1190

* For more information please refer to Controls and Accessories section on pages 44-47. For footnotes 0-12, please see page 48.



Different temperatures in different rooms at the same time

With ESP Plus' and 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.



1 PHASE **3 PHASE**

ESP Ultima Split Ducted Variable Capacity 14.67-23kW

Technical Information						
		Single Phase		Three Phase		
OUTDOOR MODEL		SRD151C	SRD191C	SRD173C	SRD203C	SRD233C
INDOOR MODEL		SRM151E	SRM191E	SRM171E	SRM201E	SRM231E
¹ Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Rated)	14.67	19.33	17.45	20.10	23.59
	Heating (Rated)	14.64	17.90	17.39	19.38	22.97
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling (min - max)	14.37 (1.44-14.37)	18.64 (1.86-18.64)	16.88 (1.69-16.88)	19.32 (1.93-19.32)	23.00 (2.30-23.00)
	Heating (min - max)	15.00 (2.85-15.00)	18.52 (3.52-18.52)	17.93 (3.41-17.93)	20.09 (3.82-20.09)	23.50 (4.47-23.50)
Input Power (kW) (AS/NZS3823.1.2)	Cooling	4.29	5.73	5.02	5.78	6.76
	Heating	4.49	5.33	4.81	5.24	6.91
² EER Rated (AS/NZS3823.1.2)	Cooling	3.35	3.25	3.36	3.34	3.40
	Heating	3.34	3.47	3.73	3.83	3.40
Power Supply (V / Ph / Hz)	Outdoor	230V / 1Ph + N / 50Hz		400V / 3Ph + N / 50Hz		
	Indoor	230V / 1Ph + N / 50Hz				
Rated Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	17.5 / 2.3 / 19.8	20.8 / 5.1 / 25.9	8.7 / 4.1 / 12.8	9.2 / 5.4 / 14.6	14.0 / 4.0 / 18.0
	Full Load Amps (AS/NZS3823.1.2)	27.1 / 4.3 / 31.4	32.5 / 5.4 / 37.9	12.3 / 4.3 / 16.6	13.5 / 5.9 / 19.4	16.2 / 4.9 / 21.1
⁴ Circuit Breaker Amps		32.0	40.0	20.0	20.0	25.0
IP Rating	Outdoor	IP44				
	Indoor	IP20				
Compressor	Type / No. per Unit	Digital Scroll / 1				
	Starting Method	Soft Starter				
No. Refrigeration Circuits/No. Capacity Stages (Capacity range)		1/Variable (10-100% 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	880	1180	900	1200	1440
	Nominal	770	980	850	1000	1200
	Minimum	155	195	170	200	240
External Static Pressure (Pa) at:	Maximum Airflow	120	128	116	120	80
	Nominal Airflow	218	192	164	188	170
Outdoor Dimensions (mm)	Depth	580	580	580	580	685
	Height	990	1045	1045	1045	1105
	Width	1320	1460	1460	1460	1685
Indoor Dimensions (mm)	Depth	615	680	615	680	695
	Height	412	435	412	435	485
	Width	1290	1420	1290	1420	1470
⁵ Nominal Weight (kgs)	Outdoor	136	190	176	185	220
	Indoor	61	76	62	76	90
Field Pipe Size	Liquid Pipe - mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	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)	25.40 (1)
⁶ Sound Pressure Level (dBA)	Outdoor (low/high fan)	50 / 52	52 / 54	52 / 54	52 / 54	54 / 59
	Outdoor (low/high fan)	67 / 69	69 / 71	69 / 71	69 / 71	70 / 75
⁷ Sound Power Level (dBA)	Outdoor (low/high fan)	67 / 69	69 / 71	69 / 71	69 / 71	70 / 75
MEPS Compliant		Yes	Yes	Yes	Yes	Yes
¹² Demand Response Capability (AS4755.3)		Potentially capable if alternate outdoor board is purchased				

Control Features						
LM7-D Wall Controller (8 Zone)	Included	Included	Included	Included	Included	Included
LM24W Wall Controller (8 Zone) - Secondary Master Controller	Optional	Optional	Optional	Optional	Optional	Optional
Remote Temperature Sensor	Optional	Optional	Optional	Optional	Optional	Optional
Home Automation / Remote ON / OFF Capability	Yes	Yes	Yes	Yes	Yes	Yes
Maximum Number of Zones	8	8	8	8	8	8
ActronConnect module for wireless control	Optional	Optional	Optional	Optional	Optional	Optional
Phase Protection	N/A	N/A	N/A	Standard	Standard	Standard
Soft Starter	Standard	Standard	Standard	Standard	Standard	Standard
BMS Compatibility	Optional	Optional	Optional	Optional	Optional	Optional

Better Features

- Award winning reverse cycle ducted split system
- Variable capacity digital compressor 10 to 100% operation
- Zoning capability – up to 8 zones
- Efficient EC inverter indoor fan
- Louvered grille guard
- IP44 rating
- Hydrophilic aluminium coated coil protection to evaporator and condenser
- Powder coated outdoor panels for additional protection
- Vertical discharge
- Manual inputs available for 3rd party control
- Individual room temperature control

Split Ducted



Options & Accessories						
		Single Phase		Three Phase		
OUTDOOR MODEL		SRD151C	SRD191C	SRD173C	SRD203C	SRD233C
INDOOR MODEL		SRM151E	SRM191E	SRM171E	SRM201E	SRM231E
Compressor Soft Start - Included		Yes	Yes	Optional	Optional	Optional
Indoor Drain Kit (ADRKT) - Included		Yes	Yes	Yes	Yes	No
Indoor Unit Integral Fan Coil Safety Tray - Included		Yes	Yes	Yes	Yes	Yes
Optional Outdoor Drain Tray - Model		CDT20	CDT22	CDT22	CDT22	CDT35
Hanging Kit (AHKFC)		Optional				Standard
Return Air Plenum*		PL18R - 2/35S	PL19R - 2/40S	PL18R - 2/35S	PL19R - 2/40S	PL25R - 2/45S
		PL20R - 2/40S	PL19R - 2/45S	PL20R - 2/40S	PL19R - 2/45S	
Supply Air Plenum*	2-Way	PL18S - 2/35S				PL34S - 2/45S
		PL20S - 2/40S				
	3-Way	PL13S - 3/30S				PL22S - 3/35S
		PL18S - 3/35S				
	PL20S - 3/5PS				PL30S - 3/40S	
					PL34S - 3/45S	

Variations					
H - Horizontal Discharge Fan (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional
K - Coil Protection (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional

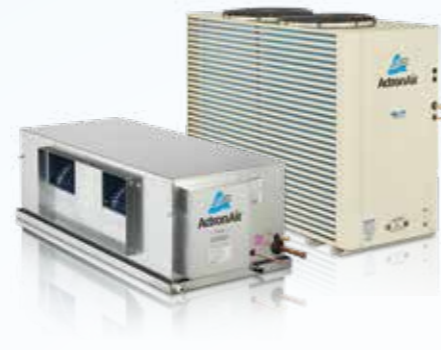
Field Piping and Connections						
Refrigerant Charge	Factory Charge - (g)	4850	7950	7050	7450	10050
	Pre-Charge Length - (m)	15	15	15	15	10
	Additional Refrigerant Charge - (g/m)	50	50	50	50	100
Maximum Field Pipe Length Range - (m)	0 - 60	0 - 60	0 - 60	0 - 20	20 - 60	0 - 60
Maximum Vertical Height Differential - (m) included in max length	20	20	20	20	20	20
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)
	Gas Pipe - mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	⁸ 22.22 (7/8)	22.22 (7/8)
Outdoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) cut swaged end
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	22.22 (7/8) swaged	22.22 (7/8) swaged
Indoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) cut swage end
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	22.22 (7/8) cut swage end	19.05 (3/4) swaged	22.22 (7/8) swaged	22.22 (7/8) swaged
Condensate Drain Connection - Size		20mm OD	20mm ID	20mm OD	20mm ID	25mm ID
Safety Tray Connection - Size		20mm ID				25mm ID
Air Duct	Supply Duct H x W - (mm)	300 x 715				
	Return Duct H x W - (mm)	340 x 1100	360 x 1140	340 x 1100	360 x 1140	410 x 1190

* For more information please refer to Controls and Accessories section on pages 44-47. For footnotes 0-12, please see page 48.



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.



ESP Platinum Plus Split Ducted Variable Capacity 12.5-17kW

1 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/TRUEMAX*)	2.85 / 12.50 / 14.40	3.50 / 14.00 / 17.00	4.00 / 17.00 / 19.00
	Heating (Min/Rated/TRUEMAX*)	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)	Cooling (Rated)	3.30	3.36	3.33
	3 COP Rated (AS/NZS3823.1.2)	Heating (Rated)	3.85	3.60
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	14.3 / 2.8 / 17.1	15.4 / 3.5 / 18.9	18.9 / 4.0 / 22.9
Full Load Amps (AS/NZS3823.1.2)	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)	Outdoor (low/high fan)	47 / 52	48 / 54	48 / 54
7 Sound Power Level (dBA)	Outdoor (low/high fan)	64 / 69	65 / 71	65 / 71
MEPS Compliant		Yes	Yes	Yes
9 Demand Response Capability (AS4755.3)		Capable		

Control Features				
LM7-D Wall Controller (8 Zone)	Included	Included	Included	Included
LM24W Wall Controller (8 Zone) - Secondary Master Controller	Optional	Optional	Optional	Optional
Compressor Soft Start Via Variable Speed Drive Control	Standard	Standard	Standard	Standard
Remote Temperature Sensor	Optional	Optional	Optional	Optional
Home/Building Automation ON/OFF Capability	Yes	Yes	Yes	Yes
ActronConnect module for wireless control	Optional	Optional	Optional	Optional
Maximum Number of Zones	8	8	8	8
BMS Compatibility	Optional	Optional	Optional	Optional

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

Better Features

- The most comfortable ducted split system with lowest running costs in its class
- Tru-Inverter™ compressor and drive technology with variable capacity
- Zoning capability – up to 8 zones
- Efficient EC inverter indoor fan
- Louvered grille guard
- IP44 rating
- Hydrophilic aluminium coated coil protection to evaporator and condenser
- Powder coated outdoor panels for additional protection
- Vertical discharge
- Manual inputs available for 3rd party control
- Demand response capable

Split Ducted



Options & Accessories				
		Single Phase		
OUTDOOR MODEL		CRV2-14AS	CRV3-17AS	CRV4-19AS
INDOOR MODEL		ERV2-14AS	ERV3-17AS	ERV4-19AS
Two Piece Fan Coil	Coil Section Model	-	-	ARV4-19AS
	Fan Section Model	-	-	FRV4-19AS
	Duct Plates*	-	-	PLDS-2/400
Compressor Soft Start		Yes	Yes	Yes
Indoor Drain Kit (ADRKT) - Included		Yes	Yes	Yes
Indoor Unit Integral Fan Coil Safety Tray - Included		Yes	Yes	Yes
Optional Outdoor Drain Tray - Model		CDT20	CDT22	CDT22
Hanging Kit (AHKFC)		Optional	Optional	Optional
Return Air Plenum*		PL18R-2/35S	PL18R-2/35S	PL19R-2/40S
		PL20R-2/40S	PL20R-2/40S	PL19R-2/45S
Supply Air Plenum*	2 - Way	PL18S-2/35S	PL18S-2/35S	PL18S-2/35S
		PL20S-2/40S	PL20S-2/40S	PL20S-2/40S
	3 - Way	PL13S-3/30S	PL13S-3/30S	PL13S-3/30S
		PL18S-3/35S	PL18S-3/35S	PL18S-3/35S
	PL20S-3/SPS	PL20S-3/SPS	PL20S-3/SPS	

Variations				
K- Additional Full Coil Coat Protection (Outdoor Unit)	Optional	Optional	Optional	Optional

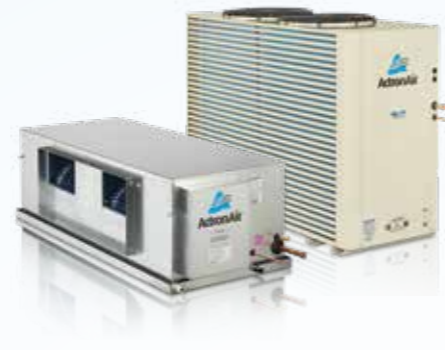
Field Piping and Connections				
Refrigerant Charge	Factory Charge - (g)	5425	6225	7775
	Pre-Charge Length - (m)	15	15	15
	Additional Refrigerant Charge - (g/m)	50	50	50
Maximum Field Pipe Length Range - (m)	60	60	60	60
Maximum Vertical Height Differential - (m) included in max length	20	20	20	20
Field 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)
Outdoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged
Indoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/4) swaged	9.52 (3/4) swaged
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	22.22 (7/8) cut swaged end
Condensate Drain Connection - Size		20mm OD	20mm OD	20mm ID
Safety Tray Connection - Size		20mm ID	20mm ID	20mm ID
Air Duct	Supply Duct H x W - (mm)	300 x 715	300 x 715	300 x 715
	Return Duct H x W - (mm)	340 x 1100	340 x 1100	360 x 1140

* For more information please refer to Controls and Accessories section on pages 44-47. For footnotes 0-12, please see page 48.



Different temperatures in different rooms at the same time

With ESP Plus' and 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.



ESP Platinum Ultima Split Ducted Variable Capacity 12.5-17kW

1 PHASE

Technical Information				
		Single Phase		
OUTDOOR MODEL		CRV2-14AS	CRV3-17AS	CRV4-19AS
INDOOR MODEL		ERM2-14AS	ERM3-17AS	ERM4-19AS
Two Piece Fan Coil	Coil Section Model	-	-	ARV4-19AS
	Fan Section Model	-	-	FRQ4-19AS
	Duct Plates*	-	-	PLD5-2/400 PLD5-2/400
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)	Cooling (Rated)	3.30	3.36	3.33
³ COP Rated (AS/NZS3823.1.2)	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)	Outdoor / Indoor / Total	14.3 / 2.8 / 17.1	15.4 / 3.5 / 18.9	18.9 / 4.0 / 22.9
Full Load Amps (AS/NZS3823.1.2)	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
⁶ Sound Pressure Level (dBA)	Outdoor (low/high fan)	47 / 52	48 / 54	48 / 54
⁷ Sound Power Level (dBA)	Outdoor (low/high fan)	64 / 69	65 / 71	65 / 71
MEPS Compliant		Yes	Yes	Yes
⁹ Demand Response Capability (AS4755.3)			Capable	

Control Features				
LM7-D Wall Controller (8 Zone)	Included	Included	Included	Included
LM24W Wall Controller (8 Zone) - Secondary Master Controller	Optional	Optional	Optional	Optional
LM-ZC Controller	Optional	Optional	Optional	Optional
LM-ZS Zone Sensor	Optional	Optional	Optional	Optional
Compressor Soft Start via Variable Speed Drive Control	Standard	Standard	Standard	Standard
Home / Building Automation ON/OFF Capability	Yes	Yes	Yes	Yes
ActronConnect module for wireless control	Optional	Optional	Optional	Optional
Maximum Number of Zones	8	8	8	8
BMS Compatibility	Optional	Optional	Optional	Optional

*TRU-MAX™ continual operation at maximum capacity, for more information please refer to Controls and Accessories section on pages 44-47.

Better Features

- The most comfortable ducted split system with lowest running costs in its class
- Tru-Inverter™ compressor and drive technology with variable capacity
- Zoning capability – up to 8 zones
- Efficient EC inverter indoor fan
- Louvered grille guard
- IP44 rating
- Hydrophilic aluminium coated coil protection to evaporator and condenser
- Powder coated outdoor panels for additional protection
- Vertical discharge
- Manual inputs available for 3rd party control
- Demand response capable

Split Ducted



Options & Accessories				
		Single Phase		
OUTDOOR MODEL		CRV2-14AS	CRV3-17AS	CRV4-19AS
INDOOR MODEL		ERM2-14AS	ERM3-17AS	ERM4-19AS
Compressor Soft Start		Yes	Yes	Yes
Indoor Drain Kit (ADRKT) - Included		Yes	Yes	Yes
Indoor Unit Integral Fan Coil Safety Tray - Included		Yes	Yes	Yes
Optional Outdoor Drain Tray - Model		CDT20	CDT22	CDT22
Hanging Kit (AHKFC)		Optional	Optional	Optional
Return Air Plenum*		PL18R-2/35S	PL18R-2/35S	PL19R-2/40S
		PL20R-2/40S	PL20R-2/40S	PL19R-2/45S
	2 - Way	PL18S-2/35S	PL18S-2/35S	PL18S-2/35S
Supply Air Plenum*		PL20S-2/40S	PL20S-2/40S	PL20S-2/40S
		PL13S-3/30S	PL13S-3/30S	PL13S-3/30S
	3 - Way	PL18S-3/35S	PL18S-3/35S	PL18S-3/35S
	PL20S-3/SPS	PL20S-3/SPS	PL20S-3/SPS	

Variations			
K- Additional Full Coil Coat Protection (Outdoor Unit)	Optional	Optional	Optional

Field Piping and Connections				
Refrigerant Charge	Factory Charge - (g)	5425	6225	7775
	Pre-Charge Length - (m)	15	15	15
	Additional Refrigerant Charge - (g/m)	50	50	50
Maximum Field Pipe Length Range - (m)	60	60	60	60
Maximum Vertical Height Differential - (m) included in max length	20	20	20	20
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)
Outdoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged
Indoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/4) swaged	9.52 (3/4) swaged
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	22.22 (7/8) cut swaged end
Condensate Drain Connection - Size		20mm OD	20mm OD	20mm ID
Safety Tray Connection - Size		20mm ID	20mm ID	20mm ID
Air Duct	Supply Duct H x W - (mm)	300 x 715	300 x 715	300 x 715
	Return Duct H x W - (mm)	340 x 1100	340 x 1100	360 x 1140

* For more information please refer to Controls and Accessories section on pages 44-47. For footnotes 0-12, please see page 48.



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.

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.



1 PHASE

ESP Platinum QUE Split Ducted Variable Capacity 12.5-17kW

Technical Information				
OUTDOOR MODEL		CRQ2-14AS	CRQ3-17AS	CRQ4-19AS
INDOOR MODEL		ERQ2-14AS	ERQ3-17AS	ERQ4-19AS
Two Piece Fan Coil	Coil Section Model	-	-	ARV4-19AS
	Fan Section Model	-	-	FRQ4-19AS
	Duct Plates*	-	-	PLDS-2/400
		-	-	PLDS-2/400
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/ TRULIMAX) ²	2.85 / 12.50 / 14.40	3.50 / 14.00 / 17.00	4.00 / 17.00 / 19.00
	Heating (Min/Rated/ TRULIMAX) ²	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)	Cooling (Rated)	3.30	3.36	3.33
³ COP Rated (AS/NZS3823.1.2)	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)	Outdoor / Indoor / Total	14.3 / 2.8 / 17.1	15.4 / 3.5 / 18.9	18.9 / 4.0 / 22.9
	Full Load Amps (AS/NZS3823.1.2)	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)	Outdoor (low/high fan)	47 / 52	48 / 54	48 / 54
⁷ Sound Power Level (dBA)	Outdoor (low/high fan)	64 / 69	65 / 71	65 / 71
MEPS Compliant		Yes	Yes	Yes
⁹ Demand Response Capability (AS4755.3)		Capable		

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

Better Features

- The most comfortable ducted split system with lowest running costs in its class
- Tru-Inverter™ compressor and drive technology with variable capacity
- Zoning capability – up to 8 zones
- Efficient EC inverter indoor fan
- Louvered grille guard
- IP44 rating
- Hydrophilic aluminium coated coil protection to evaporator and condenser
- Powder coated outdoor panels for additional protection
- Vertical discharge
- Manual inputs available for 3rd party control
- Demand response capable

Split Ducted



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

* For more information please refer to Controls and Accessories section on pages 44-47. For footnotes 0-12, please see page 48.



COMMERCIAL DUCTED

The trusted commercial solution engineered to exceed Australian standards.

Our Commercial Ducted air conditioning system is the perfect solution for retail and light commercial installations. That could be anything from doctor's surgeries to restaurants to classrooms to offices.

Offering robust performance, energy efficiency, installation flexibility and the levels of service ActronAir is renowned for, the Commercial Ducted range provides an overall value package that can't be beaten in the marketplace.



3 PHASE

Commercial Split Ducted 29-40kW

Technical Information						
OUTDOOR MODEL		SCA290C	SCA330C	SCA300C	SCA340C	SCA400C
INDOOR MODEL		SCG290E	SCA330E	SCA300E	SCA340E	SCG400E
¹ Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling	29.50	34.66	28.90	35.22	40.80
	Heating	27.40	32.73	27.30	33.78	37.85
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling	28.30	33.00	27.70	33.50	39.20
	Heating	28.60	34.50	28.50	35.50	39.50
Input Power (kW) (AS/NZS3823.1.2)	Cooling	8.45	10.48	8.50	10.55	12.76
	Heating	7.97	10.30	8.72	10.37	11.97
² EER Rated (AS/NZS3823.1.2)	Cooling	3.35	3.15	3.26	3.18	3.07
³ COP Rated (AS/NZS3823.1.2)	Heating	3.59	3.35	3.27	3.42	3.30
Power Supply (V / Ph / Hz)	Outdoor	400 - 415V / 3Ph + N / 50Hz				
	Indoor	230 - 240V / 1Ph + N / 50Hz				
Rated Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	16.1 / 8.4 / 24.5	16.7 / 6.6 / 23.3	14.6 / 5.5 / 20.1	16.5 / 6.9 / 23.4	25.7 / 10.5 / 36.2
Full Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	19.5 / 11.4 / 30.9	22.6 / 7.1 / 29.7	21.0 / 7.1 / 27.1	24.3 / 7.1 / 31.4	31.9 / 14.5 / 46.4
⁴ Circuit Breaker Amps		32.0	32.0	32.0	32.0	50.0
IP Rating	Outdoor	IP44				
	Indoor	IP20				
Compressor	Type / No. per Unit	Scroll / 1		Scroll / 2		
	Starting Method	D.O.L.		D.O.L.		
No. Refrigeration Circuits/No. Capacity Stages (Capacity range)		1/1(100%)		2/2(50%, 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	Twin Deck Centrifugal / 4 Pole / Direct Drive x 1		Twin Deck Centrifugal / ECM Direct Drive x 1	
Airflow Range Indoor (l/s)	Maximum	1650	1892	1650	1892	2250
	Nominal	1500	1720	1500	1720	2050
	Minimum	1275	1462	1275	1462	1750
External Static Pressure (Pa) at:	Maximum Airflow	266	132	185	132	170
	Nominal Airflow	285	205	240	205	236
	Depth	875				
Outdoor Dimensions (mm)	Height	1330				1315
	Width	1875				
	Depth	770				795
Indoor Dimensions (mm)	Height	535	620	535	620	680
	Width	1530	1735	1530	1735	1910
	Depth	290	305	300	335	332
⁵ Nominal Weight (kgs)	Outdoor	110	125	115	130	125
	Indoor	110	125	115	130	125
⁶ Sound Pressure Level (dBA)	Outdoor (low/high fan)	55.9 / 59.9	57.8 / 61.8	55.9 / 59.9	57.8 / 61.8	61.0 / 64.0
⁷ Sound Power Level (dBA)	Outdoor (low/high fan)	72.9 / 76.9	74.8 / 78.8	72.9 / 76.9	74.8 / 78.8	78.0 / 81.0
MEPS Compliant		Yes	Yes	Yes	Yes	Yes

Control Features						
C7-4 Wall Controller (BCA Compliant)		Optional	Optional	Optional	Optional	Optional
Remote Temperature Sensor		Optional	Optional	Optional	Optional	Optional
Home Automation / Remote ON / OFF Capability		Optional	Optional	Optional	Optional	Optional
Manual Inputs Capable for Third Party Control		Optional	Optional	Optional	Optional	Optional
BMS Compatibility		Optional	Optional	Optional	Optional	Optional
Secondary Master Controller		No	No	No	No	No
Maximum Number of Zones		4	4	4	4	4

Better Features

- Built-in secondary drain that carries water away if the primary drain blocks
- Refrigerants come topped up and ready for use
- Louvered grille guard
- Hydrophilic aluminium coated coil protection to evaporator and condenser

- IP44 rating
- Powder coated outdoor panels for additional protection
- Vertical discharge
- Manual inputs available for 3rd party control

Split Ducted



Variations						
OUTDOOR MODEL		SCA290C	SCA330C	SCA300C	SCA340C	SCA400C
INDOOR MODEL		SCG290E	SCA330E	SCA300E	SCA340E	SCG400E
OUTDOOR MODEL	D - Fault Detection (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional
	H - Horizontal Discharge Fan (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional
	K - Coil Protection (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional
	S - Low Ambient +5°C	Optional	Optional	Optional	Optional	Optional
	W - Phase Sequence Protection	Optional	Optional	Optional	Optional	Optional
INDOOR MODEL	Z - Compressor 3-Phase Soft Starter (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional
	P - Coil Protection (Indoor Unit)	Optional	Optional	Optional	Optional	Optional
	V - Upright Fan Coil Vertical Discharge (Indoor Unit)	Optional	Optional	Optional	Optional	Optional

Field Piping and Connections						
Refrigerant Charge	Factory Charge - (g)	11,050	12,800	2 x 4,725	2 x 7,050	2 x 7,850
	Pre-Charge Length - (m)	5	5	5	5	5
	Additional Refrigerant Charge - (g/m)	165	165	50 per stage	50 per stage	100 per stage
Maximum Field Pipe Length Range - (m)		0 - 60	0 - 60	0 - 60	0 - 60	0 - 60
Maximum Vertical Height Differential - (m) included in max length		20	20	20	20	20
Field Pipe Size	Liquid Pipe - mm (inch)	15.9 (5/8)	15.9 (5/8)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)
	Gas Pipe - mm (inch)	28.6 (1-1/8)	28.6 (1-1/8)	19.05 (3/4)	19.05 (3/4)	22.22 (7/8)
Outdoor Unit	Liquid Pipe - mm (inch)	15.9 (5/8) swaged	15.9 (5/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	12.70 (1/2) swaged
	Gas Pipe - mm (inch)	28.6 (1-1/8) swaged	28.6 (1-1/8) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	22.22 (7/8) swaged
Indoor Unit	Liquid Pipe - mm (inch)	15.9 (5/8) swaged	15.9 (5/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	12.70 (1/2) swaged
	Gas Pipe - mm (inch)	28.6 (1-1/8) swaged	28.6 (1-1/8) swaged	22.22 (7/8) cut-off swaged	22.22 (7/8) cut-off swaged	22.22 (7/8) swaged
Condensate Drain Connection - Size		25mm ID				25.4mm ID BSP Female Thread
Safety Tray Connection - Size		25mm ID				25.4mm ID BSP Socket
Air Duct (Flange Connection)	Supply Duct H x W - (mm)	370 x 1065				
	Return Duct H x W - (mm)	435 x 1200	520 x 1440	435 x 1200	520 x 1440	575 x 1595

* For more information please refer to Controls and Accessories section on pages 44-47. For footnotes 0-12, please see page 48.



TRI-CAPACITY

Better energy efficiency, better performance, better reliability.

ActronAir's unique Tri-Capacity technology, is designed and engineered specifically for Australian conditions. Ideal for medium to large sized applications such as restaurants, banks, conference spaces, two-storey offices and cinemas, our Tri-Capacity delivers demonstrable benefits in energy efficiency, performance and ease of installation.



3 PHASE

Split Ducted Tri-Capacity 47-71kW

Technical Information									
OUTDOOR MODEL		CAY470T	CAY470T	CAY540T	CAY540T	CAY620T	CAY620T	CAY700T	CAY700T
INDOOR MODEL		EVY470T	ELY470T	EVY540T	ELY540T	EVY620T	ELY620T	EVY700T	ELY700T
		Std Profile	Low Profile	Std Profile	Low Profile	Std Profile	Low Profile	Std Profile	Low Profile
1 Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling	47.00	47.00	53.50	53.50	63.00	63.00	71.00	71.00
	Heating	46.00	46.00	51.50	51.50	60.00	60.00	67.00	67.00
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling	45.77	46.00	51.85	52.20	60.80	61.00	68.17	68.30
	Heating	47.37	47.20	53.20	52.96	62.47	62.30	70.20	70.00
Input Power (kW) (AS/NZS3823.1.2)	Cooling	15.40	15.42	17.57	17.57	20.50	20.35	24.12	23.94
	Heating	14.16	14.02	16.20	16.03	20.15	19.98	22.32	22.12
2 EER Rated (AS/NZS3823.1.2)	Cooling	2.97	2.98	2.95	2.97	2.97	3.00	2.83	2.85
3 COP Rated (AS/NZS3823.1.2)	Heating	3.35	3.37	3.28	3.30	3.10	3.12	3.15	3.16
Power Supply (V / Ph / Hz)	Outdoor	415V / 3Ph + N / 50Hz							
	Indoor	415V / 3Ph + N / 50Hz							
Rated Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	25.9 / 2.1 / 28.0	25.9 / 1.7 / 27.6	28.3 / 2.7 / 31.0	28.3 / 2.2 / 30.5	35.7 / 3.5 / 39.2	35.7 / 3.2 / 38.9	40.6 / 4.5 / 45.1	40.6 / 4.2 / 44.8
Full Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	36.4 / 4.4 / 40.8	36.4 / 5.2 / 41.6	39.9 / 4.4 / 44.3	39.9 / 5.2 / 45.1	47.9 / 4.2 / 52.1	47.9 / 5.8 / 53.7	54.5 / 4.5 / 59.0	54.5 / 5.8 / 60.3
4 Circuit Breaker Amps		50.0			63.0			80.0	
IP Rating	Outdoor	IP44							
	Indoor	IP20							
Compressor	Type / No. per Unit	Compliant Scroll / 2							
	Starting Method	D.O.L.							
No. Refrigerant Circuits/No. Capacity Stages (Capacity range)		2 / Tri-Capacity (-33% 66% 100%)							
Refrigerant		R410A							
Fans (Type x Number per unit)	Outdoor	Axial Low Noise / 6 Pole External Rotor / Direct Drive x 3							
	Indoor	Variable Speed EC Motor Direct Drive Backward Curve Plug Fan x1 (EVY Models), 2 (ELY Models)							
Airflow Range Indoor (l/s)	Maximum	2900		3300		3900		4100	
	Nominal	2400		2700		3200		3600	
	Minimum	1900		2100		2500		2800	
External Static Pressure (Pa) at:	Maximum Airflow	305	325	125	75	155	175	75	
	Nominal Airflow	500		390	450	410	500	270	340
Nominal Outdoor Dimensions (mm)	Depth	1195			1195				
	Height	1465			1695				
	Width	2305			2305				
Nominal Indoor Dimensions (mm)	Depth	1450	1160	1450	1160	1450	1160	1450	1160
	Height	1280	770	1280	770	1510	895	1510	895
	Width	1590	2410	1590	2410	1590	2410	1590	2410
5 Nominal Weight (kgs)	Outdoor	532		542		577		604	
	Indoor	292	268	298	277	340	318	340	318
6 Sound Pressure Level (dBA)	Outdoor (low/high fan)	58 / 63			59 / 64				
7 Sound Power Level (dBA)	Outdoor (low/high fan)	75 / 80			76 / 81				
MEPS Compliant		Yes	Yes	Yes	Yes	Yes	Yes	BCA Compliant	
9 Demand Response Capability (AS4755.3)		Capable							

Unit Features and Options									
Tri-Capacity 33% 66% 100% Capacity Stages	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Pre-Charged with R410A Refrigerant	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Louvered Outdoor Coil Guard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
External Stainless Steel Screws (Outdoor Unit Only)	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Blue Epoxy Coated Coil Fin Protection (Indoor & Outdoor Coils)	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
25mm Foil Faced Polyethylene insulation (Indoor Unit)	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Indoor Unit Integral Fan Coil Safety Tray (Included)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Lockable Three Phase Load Break Isolator	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard

Air Handling									
F - Front Discharge (EVY & ELY Models Only)	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
T - Top Discharge (CAY Models Only)	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
T- Top Discharge (EVY Models Only)	Optional	-	Optional	-	Optional	-	Optional	-	-

Better Features

- Unique Tri-Capacity Operation: Delivers 3 steps of cooling/heating (-33%, 66% or 100% capacity)
- High efficiency EC plug fan for improved energy efficiency
- Programmable indoor fan speed settings for faster & more accurate commissioning
- High static evaporator fan (up to 500pa)
- Lockable 3 Phase Load Break Isolation Switch
- IP44 rating

- Hyblade™ condenser fan
- Flexibility in supply and return air configurations
- Hydrophilic aluminium coated coil protection to evaporator and condenser
- Powder coated outdoor panels for additional protection
- Vertical discharge
- Manual inputs available for 3rd party control
- Demand response capable



Control Options and Features									
OUTDOOR MODEL		CAY470T	CAY470T	CAY540T	CAY540T	CAY620T	CAY620T	CAY700T	CAY700T
INDOOR MODEL		EVY470T	ELY470T	EVY540T	ELY540T	EVY620T	ELY620T	EVY700T	ELY700T
		Std Profile	Low Profile	Std Profile	Low Profile	Std Profile	Low Profile	Std Profile	Low Profile
CP05 Control Interface with LCD-Included for System Operation		Included	Included	Included	Included	Included	Included	Included	Included
Automatic / Manual Operation		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7 Day Programmable Time-Clock		Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
365 Day Time-Clock With 12 Special Days		Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Compressor Discharge Temperature Protection		Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Adjustable Indoor Fan Speed Setpoint		Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Indoor Coil Anti-Freeze Protection		Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Return Air Offset		Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
High and Low Pressure Protection		Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Alarm Fault Data Logger		Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
BMS Compatibility		Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
CP05 / CP10 Control Interface (Available as Dual Option)		Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
CL01 7-Day Programmable Control Interface (BCA Compliant)		Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
CO2 Sensor		Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional

Options & Accessories									
Low Ambient / High Static Outdoor Fans		Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Indoor Unit Integral Fan Coil Safety Tray - Included		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Variations									
OUTDOOR MODEL	F - Economy Control Access 3rd Party Controls	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	K - Additional Full Coil Coat Protection	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	U - Low Ambient +5°C	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	W - Three-Phase Sequence Protection Relay	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	TV/SV - EC Motor Low Ambient / High Static Condenser Fan (Up to 150Pa)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
INDOOR MODEL	Z - Compressor 3-Phase Soft Starter	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	L - Additional Full Coil Coat Protection	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	T - Vertical Discharge (EVY Models Only)	Optional	-	Optional	-	Optional	-	Optional	-
	Y - Powder Coating	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional

Field Piping and Connections									
Refrigerant Charge (Crt #1 & Crt #2)	Factory Charge - (g)	5200 & 10,900	7100 & 13,600	7900 & 15,400	9200 & 15,500				
	Pre-Charge Length - (m)	5	5	5	5				
	Additional Refrigerant Charge - (g/m)	50 & 165	50 & 165	100 & 165	100 & 165				
Maximum Field Pipe Length Range - (m)	75								
Maximum Vertical Height Differential - (m) included in max length	20								
Field Pipe Size (Crt #1 & Crt #2)	Liquid Pipe - mm (inch)	9.52 (3/8) & 15.90 (5/8)	9.52 (3/8) & 15.90 (5/8)	12.70 (1/2) & 15.90 (5/8)	12.70 (1/2) & 15.90 (5/8)				
	Gas Pipe - mm (inch)	19.05 (3/4) & 28.6 (1-1/8)	22.22 (7/8) & 28.6 (1-1/8)	25.40 (1) & 28.6 (1-1/8)	25.40 (1) & 28.6 (1-1/8)				
Outdoor Unit Connection (Crt #1 & Crt #2)	Liquid Pipe - mm (inch)	9.52 (3/8) & 15.90 (5/8)	9.52 (3/8) & 15.90 (5/8)	12.70 (1/2) & 15.90 (5/8)	12.70 (1/2) & 15.90 (5/8)				
	Gas Pipe - mm (inch)	19.05 (3/4) & 28.6 (1-1/8)	22.22 (7/8) & 28.6 (1-1/8)	25.40 (1) & 28.6 (1-1/8)	25.40 (1) & 28.6 (1-1/8)				
Indoor Unit Connection (Crt #1 & Crt #2)	Liquid Pipe - mm (inch)	9.52 (3/8) & 15.90 (5/8)	9.52 (3/8) & 15.90 (5/8)	12.70 (1/2) & 15.90 (5/8)	12.70 (1/2) & 15.90 (5/8)				
	Gas Pipe - mm (inch)	19.05 (3/4) & 28.6 (1-1/8)	22.22 (7/8) & 28.6 (1-1/8)	25.40 (1) & 28.6 (1-1/8)	25.40 (1) & 28.6 (1-1/8)				
Condensate Drain Connection - (Size / Type)	25.4 mm (1") Ø/BSP Female Thread								
Safety Tray Connection - Size/Type	25.4 mm (1") Ø/BSP Socket								
Air Duct	Supply Duct H x W - (mm)	580 x 650	380 x 1000	580 x 650	380 x 1000	580 x 650	380 x 1000	580 x 650	380 x 1000
	Return Duct H x W - (mm)	1130 x 1135	620 x 2000	1130 x 1135	620 x 2000	1360 x 1135	745 x 2000	1360 x 1135	745 x 2000

* For more information please refer to Controls and Accessories section on pages 44-47. For footnotes 0-12, please see page 48.



COMMERCIAL DUCTED

ActronAir's Commercial Ducted. It's the whole package.

Our Commercial Ducted air conditioning system is the perfect solution for retail and light commercial installations. That could be anything from doctor's surgeries to restaurants to classrooms to offices.



Commercial Package Unit 15-40kW – Under/Over Configuration

3 PHASE

Technical Information											
		PCG153U	PCG173U	PCG203U	PCG233U	PCA260U	PCG290U	PCA330U	PCA300U	PCA340U	PCG400U
1 Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling	15.27	17.56	19.69	22.95	25.15	29.50	34.66	28.90	35.22	40.80
	Heating	14.45	17.38	18.75	22.30	24.30	27.40	32.73	27.30	33.78	37.85
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling	14.68	16.99	19.06	22.35	24.00	28.30	33.00	27.70	33.50	39.20
	Heating	15.00	17.92	19.34	23.00	25.50	28.60	34.50	28.50	35.50	39.50
Input Power (kW) (AS/NZS3823.1.2)	Cooling	4.43	5.04	5.86	6.59	7.65	8.45	10.48	8.50	10.55	12.76
	Heating	3.95	4.58	5.23	6.15	7.55	7.97	10.30	8.72	10.37	11.97
2 EER Rated (AS/NZS3823.1.2)	Cooling	3.31	3.37	3.25	3.39	3.14	3.35	3.15	3.26	3.18	3.07
3 COP Rated (AS/NZS3823.1.2)	Heating	3.80	3.91	3.70	3.74	3.38	3.59	3.35	3.27	3.42	3.30
Power Supply (V / Ph / Hz)		400 - 415V / 3Ph + N / 50Hz									
Rated Load Amps (AS/NZS3823.1.2)		11.3	12.8	13.5	16.8	18.3	24.5	23.3	20.1	23.4	36.2
Full Load Amps (AS/NZS3823.1.2)		16.0	16.6	19.8	22.3	23.5	30.9	29.7	27.1	31.4	46.4
4 Circuit Breaker Amps		20.0	20.0	20.0	25.0	25.0	32.0	32.0	32.0	32.0	50.0
IP Rating		IP44									
Compressor	Type / No. per Unit	Compliant Scroll / 1					Compliant Scroll / 2				
	Starting Method	D.O.L.					D.O.L.				
No. Refrigeration Circuits/No. Capacity Stages (Capacity range)		1 / 1 (100% capacity)					2 / 2 (50%, 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					Twin Deck Centrifugal / 4 Pole / Direct Drive x 1		Twin Deck Centrifugal / ECM Direct Drive x 1		Twin Deck Centrifugal / ECM Direct Drive x 1
Airflow Range Indoor (l/s)	Maximum	880	900	1150	1380	1452	1650	1892	1650	1892	2250
	Nominal	770	850	1000	1200	1320	1500	1720	1500	1720	2050
	Minimum	690	770	900	1020	1122	1275	1462	1275	1462	1750
External Static Pressure (Pa) at:	Maximum Airflow	81	116	140	178	135	266	132	185	132	170
	Nominal Airflow	178	164	186	110	200	285	205	240	205	236
Unit Dimensions (mm)	Depth	1175	1185		1265		1590				
	Height	995	1050		1115		1330				1315
	Width	1320	1460		1685		1875				
		227	236	283	310	355	450	470	460	500	510
5 Nominal Weight (kgs)		227	236	283	310	355	450	470	460	500	510
6 Sound Pressure Level (dBA)	Outdoor (low/high fan)	51.0 / 53.0	52.0 / 54.0	52.0 / 54.0	55.0 / 59.0	55.0 / 59.0	56.9 / 60.9	58.8 / 62.8	56.9 / 60.9	58.8 / 62.8	62.0 / 65.0
	Indoor (low/high fan)	68.0 / 70.0	69.0 / 71.0	69.0 / 71.0	71.0 / 75.0	72.0 / 76.0	73.9 / 77.9	75.8 / 79.8	73.9 / 77.9	75.8 / 79.8	79.0 / 82.0
7 Sound Power Level (dBA)	Outdoor (low/high fan)	68.0 / 70.0	69.0 / 71.0	69.0 / 71.0	71.0 / 75.0	72.0 / 76.0	73.9 / 77.9	75.8 / 79.8	73.9 / 77.9	75.8 / 79.8	79.0 / 82.0
	Indoor (low/high fan)	68.0 / 70.0	69.0 / 71.0	69.0 / 71.0	71.0 / 75.0	72.0 / 76.0	73.9 / 77.9	75.8 / 79.8	73.9 / 77.9	75.8 / 79.8	79.0 / 82.0
MEPS Compliant		Yes									
12 Demand Response Capability (AS4755.3)		Potentially capable if alternate outdoor board is purchased									

Control Features											
C7-4 Wall Controller (BCA Compliant)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Home Automation / Remote ON / OFF Capability	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Manual Inputs Capable for Third Party Control	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Remote Temperature Sensor	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Secondary Master Controller	No	No	No	No	No	No	No	No	No	No	No
Maximum Number of Zones	4	4	4	4	4	4	4	4	4	4	4

Variations											
D - Fault Detection	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
K- Coil Protection (Fan Coil & Outdoor Unit)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
P- Coil Protection (Indoor Coil)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
S - Low Ambient +5°C	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
W - Phase Sequence Protection Relay	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Z - Compressor Soft Starter	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional

Installation Information											
Refrigerant Factory Charge - (g)	4050	6750	6850	6800	9310	10,430	12,320	2 x 4525	2 x 6910	2 x 7625	
Condensate Drain Connection - Size	20mm OD					25mm ID					25.4mm ID BSP Female Thread and 25.4mm ID BSP Socket
Air Duct	Supply Duct H x W - (mm)	300 x 715			300 x 740	300 x 850	300 x 1065				
	Return Duct H x W - (mm)	340 x 1100	350 x 1150	400 x 1200	400 x 1200	450 x 1250	525 x 1450	450 x 1250	525 x 1450	575 x 1595	

Better Features

- Filled with features - Built-in secondary drain that carries water away if the primary drain blocks and refrigerants come topped up and ready for use
- Louvered grille guard
- Hydrophilic aluminium coated coil protection to evaporator and condenser

- IP44 rating
- Powder coated outdoor panels for additional protection
- Vertical discharge
- Manual inputs available for 3rd party control

Packaged



Commercial Package Unit 29-40kW (Three Phase) – Side by Side Configuration

Technical Information						
		PCG290L/R	PCG330L/R	PCG300L/R	PCG340L/R	PCG400L/R
1 Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling	29.50	33.94	29.40	34.16	40.80
	Heating	27.40	31.53	27.20	31.82	37.85
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling	28.30	32.50	28.20	33.00	39.20
	Heating	28.60	32.90	28.30	32.90	39.50
Input Power (kW) (AS/NZS3823.1.2)	Cooling	8.45	9.94	8.55	9.96	12.76
	Heating	7.97	10.13	8.15	9.82	11.97
2 EER Rated (AS/NZS3823.1.2)	Cooling	3.35	3.27	3.30	3.31	3.07
3 COP Rated (AS/NZS3823.1.2)	Heating	3.59	3.25	3.47	3.36	3.30
Power Supply (V / Ph / Hz)		400V / 3Ph + N / 50Hz				
Rated Amps (AS/NZS3823.1.2)		24.5	27.6	22.2	25.5	36.2
Full Load Amps (AS/NZS3823.1.2)		30.9	34.4	31.4	36.1	46.4
4 Circuit Breaker Amps		32.0	40.0	32.0	40.0	50.0
IP Rating		IP44				
Compressor	Type / No. per Unit	Compliant Scroll / 1		Compliant Scroll / 2		
	Starting Method	D.O.L.		D.O.L.		
No. Refrigeration Circuits/No. Capacity Stages (Capacity range)		1 / 1 (100% capacity)		2 / 2 (50%, 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 2				
Airflow Range Indoor (l/s)	Maximum	1650	1900	1650	1900	2250
	Nominal	1500	1720	1500	1720	2050
	Minimum	1275	1450	1275	1450	1750
External Static Pressure (Pa) at:	Maximum Airflow	266	233	266	233	170
	Nominal Airflow	285	296	285	296	236
Unit Dimensions (mm)	Depth	1590				
	Height	1330				
	Width	1875				
5 Nominal Weight (kgs)	450	480	470	500	510	
6 Sound Pressure Level (dBA)	Outdoor (low/high fan)	56.9 / 60.9	58.8 / 62.8	56.9 / 60.9	58.8 / 62.8	62.0 / 65.0
	Indoor (low/high fan)	73.9 / 77.9	75.8 / 79.8	73.9 / 77.9	75.8 / 79.8	79.0 / 82.0
MEPS Compliant		Yes				

Control Features					
C7-4 Wall Controller (BCA Compliant)	Optional	Optional	Optional	Optional	Optional
Home Automation / Remote ON / OFF Capability	Optional	Optional	Optional	Optional	Optional
Manual Inputs Capable for Third Party Control	Optional	Optional	Optional	Optional	Optional
Remote Temperature Sensor	Optional	Optional	Optional	Optional	Optional
BMS Compatibility	Optional	Optional	Optional	Optional	Optional

Variations					
D - Fault Detection	Optional	Optional	Optional	Optional	Optional
K- Coil Protection (Outdoor Coil)	Optional	Optional	Optional	Optional	Optional
P- Coil Protection (Indoor Coil)	Optional	Optional	Optional	Optional	Optional
S - Low Ambient +5°C	Optional	Optional	Optional	Optional	Optional
W - Phase Sequence Protection Relay	Optional	Optional	Optional	Optional	Optional
Z - Compressor Soft Starter	Optional	Optional	Optional	Optional	Optional

Field Information					
Refrigerant Factory Charge - (g)	10,475	12,600	2 x 4525	2 x 6000	2 x 7625
Condensate Drain Connection - Size	25mm ID (2 Drain per unit)				25.4mm ID BSP Female Thread and 25.4mm ID BSP Socket
Air Duct	Supply Duct H x W - (mm)	830 x 400			
	Return Duct H x W - (mm)	850 x 670	850 x 900	850 x 670	850 x 900

* For more information please refer to Controls and Accessories section on pages 44-47. For footnotes 0-12, please see page 48.



Better energy efficiency, better performance, better reliability.

ActronAir's unique Tri-Capacity technology, is designed and engineered in-house in our Sydney headquarters specifically for Australian conditions.

Ideal for medium to large sized applications such as restaurants, banks, conference spaces, two-storey offices and cinemas, our Tri-Capacity delivers demonstrable benefits in energy efficiency, performance and ease of installation.



Package Unit Tri-Capacity 47-96kW

3 PHASE

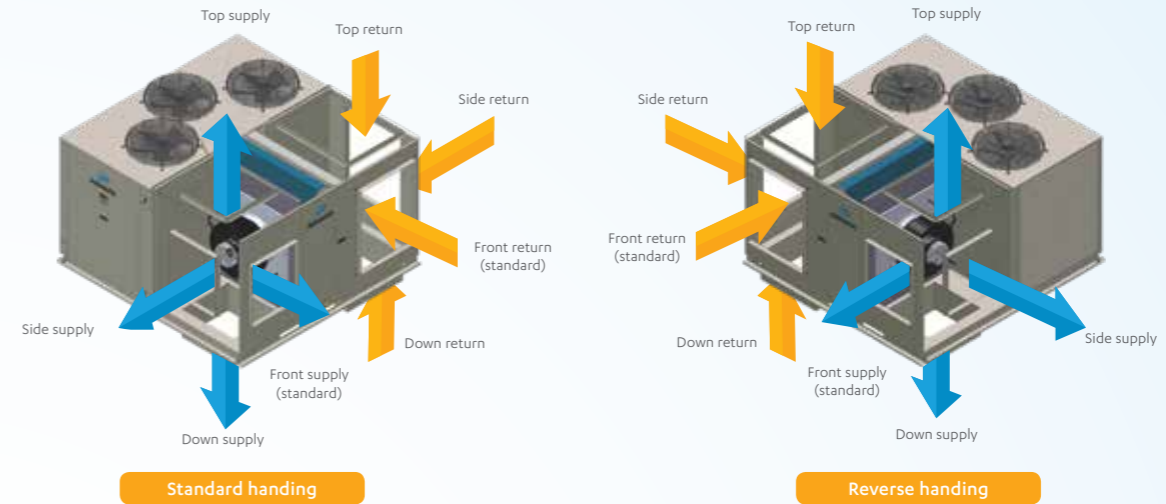
Technical Information							
PACKAGE MODEL		PKY470T	PKY540T	PKY620T	PKY700T	PKY820T	PKY960T
¹ Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling	47.00	53.50	63.00	71.00	82.50	96.00
	Heating	46.00	51.50	60.00	67.00	80.00	92.00
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling	45.77	51.85	60.80	68.17	80.04	92.96
	Heating	47.37	53.20	62.47	70.20	82.75	95.40
Input Power (kW) (AS/NZS3823.1.2)	Cooling	15.40	17.57	20.50	24.12	27.21	32.54
	Heating	14.16	16.20	20.15	22.32	24.55	27.20
² EER Rated (AS/NZS3823.1.2)	Cooling	2.97	2.95	2.97	2.83	2.94	2.86
³ COP Rated (AS/NZS3823.1.2)	Heating	3.35	3.28	3.10	3.15	3.37	3.51
Power Supply (V / Ph / Hz)		400 - 415V / 3Ph + N / 50Hz					
Rated Load Amps (AS/NZS3823.1.2)		28.0	31.0	39.2	45.1	50.6	60.0
Full Load Amps (AS/NZS3823.1.2)		40.8	44.3	52.1	58.7	67	79.9
⁴ Circuit Breaker Amps		50.0	50.0	63.0	80.0	80.0	100.0
IP Rating		IP44					
Compressor	Type / No. per Unit	Compliant Scroll / 2 (470-700 Models), 3 (820-960 Models)					
	Starting Method	D.O.L.					
No. Refrigeration Circuits/No. Capacity Stages (Capacity range)		2 (470-700 Models), 3 (820-960 Models) / Tri-Capacity (~33% 66% 100%) All Models					
Refrigerant		R410A					
Fans (Type x Number per unit)	Outdoor	Axial Low Noise / 6 Pole External Rotor / Direct Drive x 3					
	Indoor	Variable Speed ECM Direct Drive Backward Curve Plug Fan					
Airflow Range Indoor (l/s)	Maximum	2900	3300	3900	4100	4800	6000
	Nominal	2400	2700	3200	3600	4000	5000
	Minimum	1900	2100	2500	2800	3200	4000
External Static Pressure (Pa) at:	Maximum Airflow	305	125	155	75	410	100
	Nominal Airflow	500	390	410	270	500	365
Nominal Unit Dimensions (mm)	Depth	2305				2250	
	Height	1465		1695		2155	
	Width	2365				2920	
⁵ Nominal Weight (kgs)		836	853	937	964	1263	1350
⁶ Sound Pressure Level (dBA)	Outdoor (low/high fan)	59 / 64		60 / 65		61 / 66	
	Outdoor (low/high fan)	76 / 81		77 / 82		78 / 83	
⁷ Sound Power Level (dBA)		76 / 81		77 / 82		78 / 83	
MEPS Compliant		Yes	Yes	Yes	BCA Compliant	BCA Compliant	BCA Compliant
⁹ Demand Response Capability (AS4755.3)		Capable					

Unit Features							
Tri-Capacity 33% 66% 100% Capacity	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Full Factory Charged with R410A Refrigerant	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Louvred Outdoor Coil Guard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
External Stainless Steel Screws (Outdoor Unit Only)	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Blue Epoxy Coated Coil Fin Protection (Indoor & Outdoor Coils)	Standard	Standard	Standard	Standard	Standard	Standard	Standard
25mm Foil Faced Polyethylene Insulation (Indoor Unit)	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Lockable Three Phase Load Break Isolator	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Return Air Filter Rails Fitted	Standard	Standard	Standard	Standard	Standard	Standard	Standard

Air Handling Configurations							
F- Front Discharge	Standard	Standard	Standard	Standard	Standard	Standard	Standard
T- Top Discharge	Optional	Optional	Optional	Optional	Optional	Optional	Optional
S- Side Discharge	Optional	Optional	Optional	Optional	Optional	Optional	Optional
D- Down Discharge	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Reverse Air Handling	Optional	Optional	Optional	Optional	Optional	Optional	Optional

Features – See page 37

Air Handling Options



Control Options and Features							
PACKAGE MODEL	PKY470T	PKY540T	PKY620T	PKY700T	PKY820T	PKY960T	
CP05 Control Interface with LCD-Included for System Operation	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Automatic / Manual Operation	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7 Day Programmable Time-Clock	Standard	Standard	Standard	Standard	Standard	Standard	Standard
365 Day Time-Clock With 12 Special Days	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Compressor Discharge Temperature Protection	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Adjustable Indoor Fan Speed Setpoint	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Indoor Coil Anti-Freeze Protection	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Return Air Offset	Standard	Standard	Standard	Standard	Standard	Standard	Standard
High and Low Pressure Protection	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Alarm Fault Data Logger	Standard	Standard	Standard	Standard	Standard	Standard	Standard
BMS Compatibility	Optional	Optional	Optional	Optional	Optional	Optional	Optional
CP05/CP10 Control Interface (Available as Dual Control Option)	Optional	Optional	Optional	Optional	Optional	Optional	Optional
CL01 7-Day Programmable Control Interface (BCA Compliant)	Optional	Optional	Optional	Optional	Optional	Optional	Optional
CO2 Sensor	Optional	Optional	Optional	Optional	Optional	Optional	Optional

Variations							
E- Economy Starter Kit*	Optional	Optional	Optional	Optional	Optional	Optional	Optional
G- Auto Outside Air Kit	Optional	Optional	Optional	Optional	Optional	Optional	Optional
H- Manual Outside Air Kit	Optional	Optional	Optional	Optional	Optional	Optional	Optional
K- Additional Full Coil Coat Protection (Outdoor Coil)	Optional	Optional	Optional	Optional	Optional	Optional	Optional
L- Additional Full Coil Coat Protection (Indoor Coil)	Optional	Optional	Optional	Optional	Optional	Optional	Optional
N- Hot Water Heating	Optional	Optional	Optional	Optional	Optional	Optional	Optional
U- Low Ambient +5°C	Optional	Optional	Optional	Optional	Optional	Optional	Optional
V- EC Motor Low Ambient/High Static Condenser Fans - Up to 150Pa	Optional	Optional	Optional	Optional	Optional	Optional	Optional
W- Three-Phase Sequence Protection Relay	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Z- Compressor 3-Phase Soft Starter	Optional	Optional	Optional	Optional	Optional	Optional	Optional

Field Information							
Refrigerant Factory Charge -(g) For 6Q2 Models - (Crt #1 & Crt #2), For 3Q2 Models (each Compressor)	4600 & 8800	5800 & 12,000	7200 & 12,700	8300 & 12,800	8,300 (each)	11,000 (each)	
Condensate Drain Connection - Size/Type	Indoor Section	25.4 mm (1") Ø BSP Female Thread				31.8 mm (1-1/4") Ø BSP Female Thread	
	Outdoor Section	25.4 mm (1") Ø BSP Socket				31.8 mm (1-1/4") Ø BSP Socket	
Air Duct	Supply Duct H x W - (mm)	650 x 580				1200 x 600	
	Return Duct H x W - (mm)	900 x 700				1200 x 600	

* Outside Air Damper available on the LHS or RHS only. Return Air Damper available on the front LHS or RHS only.

For footnotes 0-12, please see page 48.



Hercules - big on performance, big on thinking.

Hercules is the most advanced, energy efficient packaged unit ever made in Australia. The first packaged system to have twin inverter compressors, it's big in lots of ways.

Rated to a superior operating range, Hercules can handle the most extreme conditions Australia can throw at it, designed for large spaces such as warehouse stores, shopping centres, airport terminals, and car showrooms. But along with all that brawn comes some very brainy, energy efficient thinking.



Package Unit Variable Capacity 140-195kW

3 PHASE

PACKAGE MODEL		Technical Information					
		PKV1400T		PKV1700T		PKV2000T	
1 Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Min - Max)	110.00 (35.50 -140.00)	140.00 (35.50 -140.00)	140.00 (42.50 -169.11)	169.11 (42.50 -169.11)	155.00 (49.00 -195.50)	195.50 (49.00 -195.50)
	Heating	113.50	147.00	138.50	177.92	162.30	202.10
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling	106.68	135.00	137.12	163.31	150.50	187.50
	Heating	116.58	152.50	141.50	184.32	166.90	210.00
Total Input Power (kW) (AS/NZS3823.1.2)	Cooling	28.28	39.84	38.05	52.22	37.55	53.75
	Heating	24.82	34.00	31.90	48.03	38.40	51.70
Nett (Rated) Input Power (kW) (AS/NZS3823.1.2)	Cooling	31.60	44.84	40.93	58.02	42.05	61.75
	Heating	27.90	39.50	34.90	54.43	43.00	59.60
EER Total (AS/NZS3823.1.2)	Cooling	3.89	3.51	3.68	3.24	4.13	3.64
	Heating	4.57	4.32	4.34	3.70	4.23	3.91
2 EER Rated (AS/NZS3823.1.2)	Cooling	3.38	3.01	3.35	2.81	3.58	3.04
	Heating	4.18	3.86	4.05	3.39	3.88	3.52
Power Supply (V / Ph / Hz)		400V / 3Ph + N / 50Hz					
Rated Amps (AS/NZS3823.1.2)		52.9	71.6	63.7	92.1	66.7	86.0
Full Load Amps (AS/NZS3823.1.2)		89.9		114.1		117.0	
4 Circuit Breaker Amps		100.00		125.0		125.0	
IP Rating		IP44					
Compressor	Type / No. per Unit	Variable Capacity Scroll with Inverter Drive / 2					
	Starting Method	Soft Start					
No. of Refrigeration Circuits/Capacity Range		2 / Variable (33.50kW-140.00kW)		2 / Variable (42.50kW-170.00kW)		2 / Variable (155.00kW-195.50kW)	
Refrigerant		R410A					
Fans (Type x Number per unit)	Outdoor	Variable Speed ECM / Direct Drive Axial Fan x 4					
	Indoor	Variable Speed ECM / Direct Drive Backward Curve Plug Fan x 4					
Airflow Indoor (l/s)	Maximum	6960	8880	8880	10680	9480	11200
	Nominal	5800	7400	7400	8900	7900	9900
	Minimum	4640	5920	5920	7120	6320	7920
External Static Pressure (Pa) at:	Maximum Airflow	500	210	500	410	500	420
	Nominal Airflow	500	465	500	500	500	500
Unit Dimensions (mm)	Depth	5250					
	Height	2360					
	Width	2300					
5 Nominal Weight (kgs)		2716		2993		3012	
6 Sound Pressure Level (dBA)	Outdoor (high/maximum)	54.4 / 66.2	59.1 / 66.2	59.1 / 66.2	61.9 / 66.2	60.7 / 66.2	66.2 / 66.2
7 Sound Power Level (dBA)	Outdoor (high/maximum)	71.5 / 83.2	76.1 / 83.2	76.1 / 83.2	78.9 / 83.2	77.7 / 83.2	83.2 / 83.2
BCA Compliant		Yes	Yes	Yes	Yes	Yes	Yes
9 Demand Response Capability (AS4755.3)		Capable					

Control Options and Features		PKV1400T	PKV1700T	PKV2000T
PACKAGE MODEL				
CP10 Control Interface with LCD Display for System Operation		Included	Included	Included
Automatic / Manual Operation		Yes	Yes	Yes
7 Day Programmable Time-Clock		Standard	Standard	Standard
Bi-Flow Electronic Expansion Valve (EEV)		Standard	Standard	Standard
Compressor Discharge Temperature Control		Standard	Standard	Standard
Adjustable Indoor Fan Airflow Setpoint		Standard	Standard	Standard
Indoor Coil Anti-Freeze Protection		Standard	Standard	Standard
Return Air Offset		Standard	Standard	Standard
High and Low Pressure Protection		Standard	Standard	Standard
Three Phase protection on all Motors		Standard	Standard	Standard
Alarm Fault Data Logger		Standard	Standard	Standard
BMS Compatibility		Optional	Optional	Optional
CP05 / CP10 Control Interface (Available as Dual Option)		Optional	Optional	Optional
CO2 Sensor		Optional	Optional	Optional

Better Features

- Dual variable speed compressors with inverter technology
- Inbuilt compressor protection logic
- Minimal inrush current can reduce capital outlay on transformer and cables for new buildings
- Programmable air flow control for faster and more accurate commissioning
- High static evaporator fan (up to 500Pa)
- Hydrophilic aluminium coated coil protection to evaporator and condenser
- Flexibility in supply and return air configuration
- Lockable 3 phase load break isolation switch
- Factory fitted wired remote LCD Display (Remote mount up to 200m range)
- Alarm fault data logger for up to 100 events with error code display
- Reheat option for relative humidity control
- Dedicated input for remote stop/start, alarms or fire trip
- Removable louvre grille coil protection for easy cleaning
- Powder coated outdoor panels for additional protection
- Filter slides inbuilt to suit 96mm pleated filters
- 25mm Foil Face Polyethylene insulation
- Condenser fans ready for 80-120Pa plant room application
- Demand response capable
- IP44 rating

Packaged



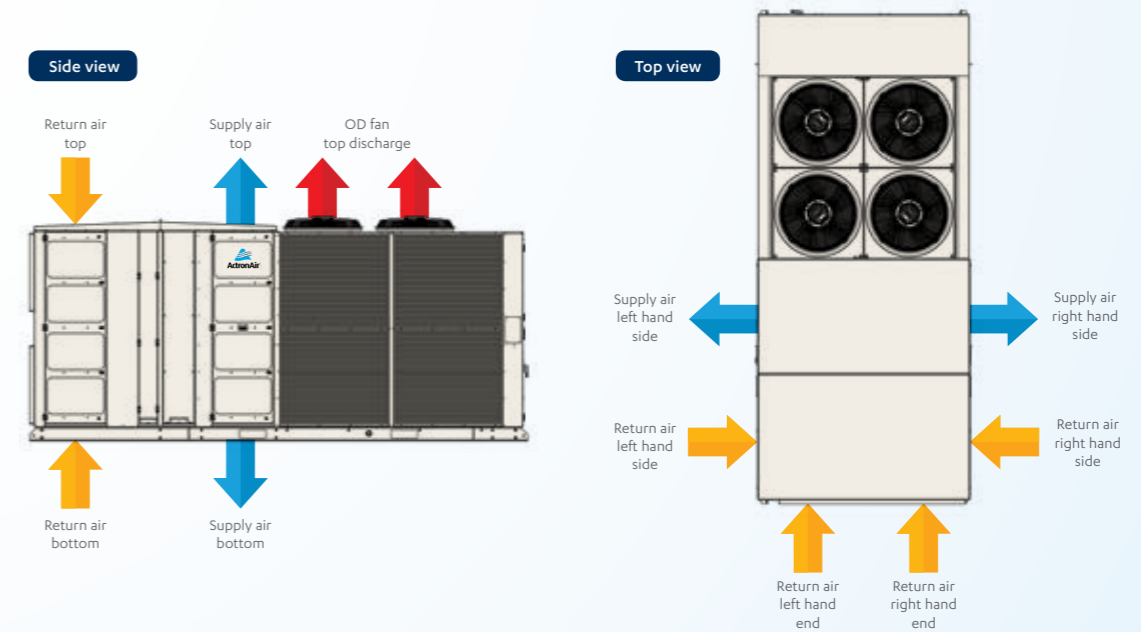
Field Information		19,500 & 19,500	28,000 & 28,000	28,000 & 28,000
Refrigerant Factory Charge - (g)		19,500 & 19,500	28,000 & 28,000	28,000 & 28,000
Condensate Drain Connection - Size/Type	Indoor Section	31.8 mm (1-1/4") Ø BSP Female Socket		
	Outdoor Section	31.8 mm (1-1/4") Ø BSP Female Socket		
Air Duct Connection	Supply Duct W x L - (mm)	553 x 1953		
	Return Duct W x L - (mm)	803 x 1953		

Variations			
B - Floor Mesh Supply Air - Down Supply Air	Optional	Optional	Optional
C - Floor Mesh Return Air - Bottom Return Air	Optional	Optional	Optional
*E - Economiser without Spill Air	Optional	Optional	Optional
F - Economy Control 3rd Party Components	Optional	Optional	Optional
*G - Outside Air Auto	Optional	Optional	Optional
*H - Outside Air Manual	Optional	Optional	Optional
K - Additional Coil Coat Protection (Outdoor Section)	Optional	Optional	Optional
L - Additional Coil Coat Protection (Indoor Section)	Optional	Optional	Optional
*M - Economy Cycle with Spill Air	Optional	Optional	Optional
W - Reheat - For RH Control*	Optional	Optional	Optional
X - IP55 Rated	Optional	Optional	Optional



















For footnotes 0-12, please see page 48.

Air Handling Options

Customised handing available on request



Controls, Sensors & Wireless Controls

Model Number	Description	Serene	Cascade	UltraSlim	Bulkhead	Mini-Cassette	Classic SR Models	ESP Plus/Platinum	ESP Ultima	ESP Platinum QUE	Classic SC/PC Models	Tri-Capacity	Hercules	7 Day On/Off Timer	24hr On/Off Timer	365 Day Timer	Auto Heat/Cool Mode	Auto Continuous Fan	Fan Setting	ESP Mode	Max. Zone Capability	On Board Sensor	Mimic Logic	Filter Indicator	Last Zone Enable/Disable	Remote ON/OFF Capable	BMS Capable
 QTB-1000 QTW-1000	QUE Master Controller	-	-	-	-	-	-	-	-	STD	-	-	-	●	●	-	●	●	●	●	8	●	●	●	-	-	-
 QZB-100 QZW-100	QUE Zone Controller	-	-	-	-	-	-	-	-	OPT	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-
 QSB-10 QSW-10	QUE Zone Sensor	-	-	-	-	-	-	-	-	OPT	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-
 RC-01	Wall Split System Remote Control	STD	OPT	-	-	OPT	-	-	-	-	-	-	-	-	●	-	●	●	●	-	-	●	-	-	-	-	-
 WC-02	Wall Split System Wall Controller	OPT	STD	STD	STD	STD	-	-	-	-	-	-	-	●	●	-	●	●	●	-	-	●	-	-	-	-	-
 LM7	7 Day Wall Controller	-	-	-	-	-	STD	-	-	-	-	-	-	●	●	-	●	●	●	-	8	●	●	●	●	●	-
 LM7-D	ESP 7 Day Wall Controller	-	-	-	-	-	-	STD	STD	-	-	-	-	●	●	-	●	●	●	●	8	●	●	●	●	●	-
 LM24W	24hr Wall Controller	-	-	-	-	-	OPT	OPT	OPT	-	-	-	-	-	●	-	●	●	●	-	8	●	●	●	●	●	-
 LM-ZC	Ultima Zone Wall Controller	-	-	-	-	-	-	-	OPT	-	-	-	-	-	-	-	-	-	-	●	-	●	-	-	-	-	-
 LM-ZS	Ultima Zone Wall Sensor	-	-	-	-	-	-	-	OPT	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-
 LM-RS	Zone Wall Sensor	-	-	-	-	-	OPT	OPT	-	-	OPT	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-
 ACM-2	ActronConnect	-	-	-	-	-	OPT	OPT	OPT	-	-	-	-	-	●	-	●	●	●	-	8	-	●	-	●	-	-
 C7-4	Commercial Wall Controller	-	-	-	-	-	-	-	-	-	OPT	OPT	-	-	●	-	●	●	●	-	4	●	●	●	-	●	-
 CP05	Commercial Controller	-	-	-	-	-	-	-	-	-	-	STD	OPT	●	●	●	●	●	●	-	-	-	●	●	-	●	●
 CP10	Commercial Controller	-	-	-	-	-	-	-	-	-	-	OPT	STD	●	●	●	●	●	●	-	-	-	●	●	-	●	●
 CGT100	Group Control	OPT	OPT	OPT	OPT	OPT	OPT	OPT	OPT	-	OPT	OPT	OPT	●	●	●	●	●	●	-	-	-	-	-	-	●	-
 CCO2-S	CO ₂ Sensor	-	-	-	-	-	-	-	-	-	-	OPT	OPT	-	-	-	-	-	-	-	-	-	-	-	-	-	-
 ICAMIB-MOD	BMS MODBUS Card	-	-	-	-	-	OPT	OPT	OPT	-	-	-	-	-	●	-	●	●	●	-	8	-	●	-	●	-	-

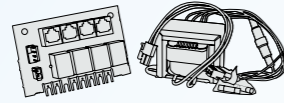
NOTE: Group Control – Auto Heat/Cool Mode, Auto Continuous Fan and Fan Settings only available on selected systems.

Accessories

Zone Cards (24V)

Features & Benefits

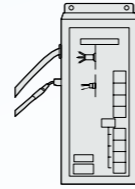
- Control up to 4-Zones Switching
- Easy to install
- Easy snap-in RJ45 plug connection
- Optional last zone enable/disable feature
- Optional to assign sensor
- Supports 24VAC ActronAir Zone Barrel Motor
- Includes 20VA, 240V to 24V transformer



4 Zones
4Z-24V

Features & Benefits

- Control up to 8-Zones Switching
- Easy to install zone module
- Easy snap-in wiring connection
- Optional last zone enable/disable feature
- Optional to assign sensor
- Supplied with 20m data and main cable looms
- Supports 24VAC ActronAir Zone Barrel Motor

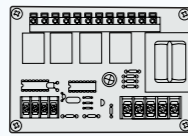


8 Zones
8Z-24V

Zone Cards (240V)

Features & Benefits

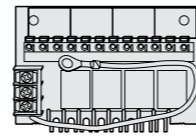
- Control up to 4-Zones Switching
- Easy to install zone kit
- Optional to assign sensor
- Supports 240VAC Third Party Zone Barrel Motor
- Compatible with C7 controllers only



4 Zones
CZ

Features & Benefits

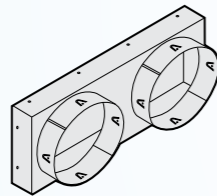
- Control up to 4-Zones Switching
- Easy to install
- Easy wiring connection
- Optional last zone enable/disable feature
- Optional to assign sensor
- Supports 240 VAC Third Party Zone Barrel Motor



8 Zones
AMZ

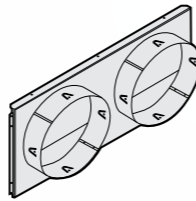
Return Air Plenums

Model Number	Size
PL11R-1/40S	1 x 400mm (16")
PL13R-2/35S	2 x 350mm (14")
PL18R-2/35S	2 x 350mm (14")
PL19R-2/40S	2 x 400mm (16")
PL19R-2/45S	2 x 450mm (18")
PL20R-2/40S	2 x 400mm (16")
PL25R-2/45S	2 x 450mm (18")



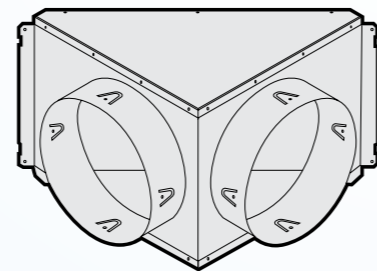
Duct Plates

Model Number	Size
PLDP-2/350	2 x 350mm (14")
PLDP-2/400	2 x 400mm (16")
PLDS-2/400	2 x 400mm (16")
PLDT-2/450	2 x 450mm (18")



Supply Air Plenums

	Model Number	Size
1 Way	PL18S-1/40S	1 x 400mm (16")
	PL11S-1/35S	1 x 350mm (14")
2 Way Plain	PL11S-2/30S	2 x 300mm (12")
	PL11S-2/35S	2 x 350mm (14")
	PL18S-2/35S	2 x 350mm (14")
	PL20S-2/40S	2 x 400mm (16")
	PL34S-2/45S	2 x 450mm (18")
	PL13S-3/30S	3 x 300mm (12")
3 Way Plain	PL18S-3/35S	3 x 350mm (14")
	PL20S-3/SPS	1 x 400mm (16") + 2 x 30mm (14")
	PL22S-3/35S	3 x 350mm (14")
	PL30S-3/40S	3 x 400mm (16")
	PL34S-3/45S	3 x 450mm (18")

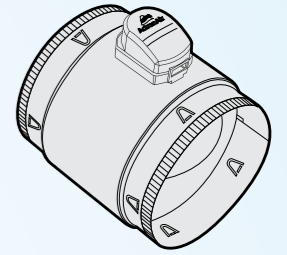


24V Zone Barrel

Features & Benefits

- Robust metal barrel construction
- 10mm fire rated polyethylene insulation
- 7m cable supplied
- Easy snap-in wiring connection
- Fast reaction time
- Safe low voltage (24VAC)

- High Torque motor (3 Nm)
- Damper position indicator
- Blade Seal Insulation
- 10", 12", 14" or 16" available
- 5 year warranty (parts only)

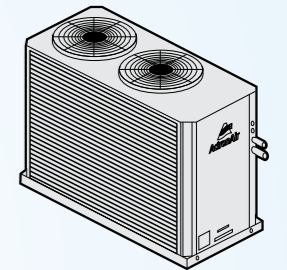


Condenser Drain Tray

Features & Benefits

- Reduces moss and mildew build-up from surrounding areas (e.g. concrete/tiles/pavers)
- Discharge point to suit site installed location
- Powder coated to match outdoor unit

- Prevent build-up of rust
- Available for all ActronAir split ducted condensers up to 25kW

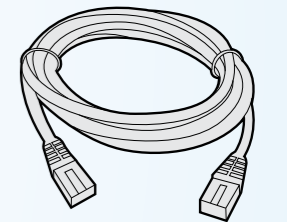


Cables & Joiners

Features & Benefits

- CAT5E With RJ45 Plug are available in 7, 12 and 20m length
- 2 & 3-Way RJ45 Joiners are available
- ActronAir CAT5E Cable with RJ45 plug must be used with ActronAir Zone Barrels to ensure system optimum operation and to ensure warranty remains valid

- Zone Cables are not to be cut or re-terminated to maintain integrity and to ensure faults or warranty issues do not occur

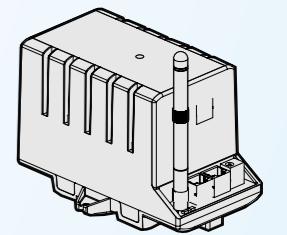


ActronConnect Module (ACM-2)

Features & Benefits

- Quick and easy to install
- Control your ActronAir ducted air conditioner from wherever you are
- Compatible with all ActronAir split ducted models up to 23kW manufactured post November 2013. It is not backward compatible with any other models

- Requires iOS operating version 6.1.3 and above or Android version 4.4 and above and an internet connection for initial set-up
- Wi-Fi router with internet connection is required

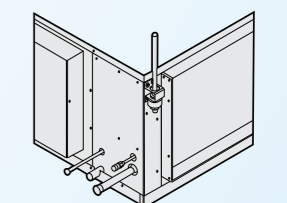


Evaporator Hanging Kit

Features & Benefits

- Quick and easy to install
- ActronAir units are pre-drilled and ready for hanging kit

- Available up to the 400 Series only
- Rod and fixing nut not supplied by ActronAir



Foot Notes

Foot Notes 0-11

0. 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)
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. Recommended circuit breaker size. This should be used as a guide only. 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. Return air sensor needs to be relocated by installer. Specific to site requirements.
9. When Demand Response capability is chosen, the air conditioner will fully comply with AS4755.3 in the following modes: DRM 1, 2, 3.
10. Supplied as Standard with 1-Phase Compressor soft starter.
11. 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.
12. 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/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

Notes



ActronAir

That's better. That's Actron.

actronair.com.au

1300 522 722