MULTIELITE
SERIES 2

Flexible and economical multi room comfort.

ActronAir

ActronAir. Because Australia needs Australian air conditioning.

The year 1984 saw Advance 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 the 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.

Engineered with a superior operating range from -25°C to 50°C, and a host of innovative features, ActronAir's MultiElite multi split system is engineered to withstand the most extreme conditions Australia can throw at it.

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.

SUPERIOR OPERATING RANGE
50°C
-25°C

A superior operating range **suited for Australia**

Most overseas air conditioners are only designed with a maximum temperature range of 43°C to 46°C. The MultiElite multi split system operates up to 50°C. Big deal? Well yes.

The temperature around the outdoor unit can reach far higher than what they're saying on the weather report due to direct sun or heat radiating off the ground. They're often located against a wall or fence where there's low air circulation.

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

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

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

Celebrate differences

Different temperatures in different rooms

In a multiple room environment not everyone's preferred temperature is the same. Our MultiElite allows for different temperatures in different rooms at the same time.

Engineered with you in mind

Easy installation and commissioning

The MultiElite comes standard with a number of features to ensure installation is carried out with ease and accuracy. An additional service valve allows for quicker commissioning, while auto wiring and piping correction eliminates any wiring errors, allowing your ActronAir installer to have you in superb comfort in a flash, saving time and money.

Choice and convenience

Capacity to suit your needs

The MultiElite has outdoor capacities ranging from 7.5kW to 12.0kW*. The 7.5kW can connect up to 3 heads while the 12.0kW can connect up to 5 heads. These all connect to a single outdoor unit allowing for a better use of energy and space.

(*Approximate Capacities)

Flexible Design

Installation Flexibility

ActronAir's MultiElite boasts up to 80 meters of allowable pipe run, increasing installation flexibility.

Here for the long haul

Protect your investment

ActronAir now uses gold fin epoxy coated protection on both indoor and outdoor coils as standard. This is to further reduce corrosion from the harsh Australian conditions, as well as assisting the defrosting process, thus improving heating efficiency.

Pick up where you left off

Auto-restart

Blackout? No problem. MultiElite's auto-restart function means it restarts automatically in its last programmed setting once power is restored, which means you don't have to spend unnecessary time reprogramming your system.

MultiElite indoor unit options

Bulkhead Series 2

Serene Series 2 Wall Hung Split

Mini-Cassette Series 2

Better Control

Better control in your hand...

MultiElite's remote controllers; RC-02 (available for Serene Series 2) and RC-03 (available for Mini-Cassette Series 2) features a large screen and buttons for more logical and legible daily use.

White backlight · Weekly timer · Large, easy to read display · Simple, easy to read buttons · Onboard sensor

Wired wall controller

...and on the wall

For those who like a little more control, or who just keep losing the remote, MultiElite can also use a wall mounted wired controller that delivers precise temperature control.

White backlight · Favourite setting · Timer · Large, easy to read display · Sleep mode · Follow Me · Turbo mode

Optional remote controller

Set your comfort remotely

The optional EasyConnect upgrade allows you to control your Cascade cassette system wirelessly via your smart device. Start the day in comfort, turn on your office air conditioning system before you leave home for work, it's all in the palm of your hand.

Works with Google Home & Amazon Alexa

Experience the ultimate in-home automation with Actron Easy Connect* and the seamless integration of Google Home or Amazon Alexa. With hands-free voice control, you can adjust your air conditioning system with ease, from anywhere in your home.

"Hey Google, set NEO to cool"

"Hey Google, set NEO to 22°C"

"Hey Google, what is the temperature on NEO"

easyconnect

Download on the App Store · GET IT ON Google Play · works with alexa · works with Google Home

*To use the EasyConnect feature, it is necessary to purchase a WiFi Kit and download the EasyConnect app from either the Apple Store or Google Play. Please note that this is an optional add-on.

*Google Home and Alexa devices are not sold by ActronAir.

Better Comfort

Follow me for a more attuned temperature

In most air conditioners, the temperature sensor is in the indoor unit. With MultiElite, we have put additional sensors inside the remote controller and wired wall controller. With the remote controller, when you press the Follow Me button you'll have the temperature you want, wherever you are in the room. When it comes to the wired wall controller, you'll have more precise temperature control and comfort at its location.

One of the great things with MultiElite is that you can pre-set your favourite comfort levels. This means that you can simply select these settings with the touch of a button on your remote.

Shhh. Quiet mode in operation

For a good night's sleep, or if you simply seek silence, the MultiElite system has a quiet mode* that reduces indoor unit noise to a whisper-quiet level (between 20 and 30 decibels).#

Better Efficiency

R32 for efficient energy performance

Multi-Elite uses R32 refrigerant - a gas that offers a low Global Warming Potential (GWP) - reducing its impact on our environment.

R32 REFRIGERANT

Better Engineered

AC vs DC for rockin' efficiency and performance

The MultiElite system uses ultra-energy-efficient DC, or direct current, inverter technology in its inverter compressor, indoor fans and outdoor fans. Some companies use less efficient AC technology, or combinations of both. This can make a significant difference to your electricity bill.

With an impressive 25 frequency stages, our inverter compressor is up to 35% more efficient than AC technology, while our upgraded DC outdoor fan with five speed settings is up to 40% more efficient. The result is improved efficiencies overall, as well as optimal cooling performance.

35% MORE EFFICIENT THAN AC TECHNOLOGY

INDOOR & OUTDOOR FANS 40% MORE EFFICIENT

Better Choice

The answer's easier **with multiple choice**

When there's more than one room and more than one configuration to consider, the MultiElite simply provides more solutions to meet your needs.

Our MultiElite multi-split system allows you to run up to five indoor units through a single outdoor unit. That's smart, because it can save not only space, but also energy. And while its powerful enough to keep the whole home in air conditioned comfort, MultiElite's DC inverter can also ramp right down to power a single room. MultiElite also allows you to pick the best solution for specific rooms, whether it's a concealed bulkhead system, Mini-Cassette or the ever popular wall mounted systems.

With its choice of multiple indoor units, MultiElite also minimises those family fights over the thermostat, as you can have different temperatures in different rooms at the same time. Now that's better living!

CONNECT UP TO 5 HEADS TO **1 OUTDOOR UNIT**

MultiElite Combination Matrix

MRC-075CS-3 — 7.50 kW

One Unit	Two Units	Three Units	Four Units	Five Units
2.6*	2.6 + 2.6	2.6 + 2.6 + 2.6	-	-
3.5*	2.6 + 3.5	2.6 + 2.6 + 3.5	-	-
5.0*	2.6 + 5.0	2.6 + 2.6 + 5.0	-	-
7.1*	2.6 + 7.1	2.6 + 3.5 + 3.5	-	-
-	3.5 + 3.5	2.6 + 3.5 + 5.0	-	-
-	3.5 + 5.0	3.5 + 3.5 + 3.5	-	-
-	3.5 + 7.1	-	-	-
-	5.0 + 5.0	-	-	-

MRC-100CS-4 — 9.4 kW

One Unit	Two Units	Three Units	Four Units	Five Units
2.6*	2.6 + 2.6	2.6 + 2.6 + 2.6	2.6 + 2.6 + 2.6 + 2.6	-
3.5*	2.6 + 3.5	2.6 + 2.6 + 3.5	2.6 + 2.6 + 2.6 + 3.5	-
5.0*	2.6 + 5.0	2.6 + 2.6 + 5.0	2.6 + 2.6 + 3.5 + 3.5	-
7.1*	2.6 + 7.1	2.6 + 3.5 + 3.5	-	-
8.5*	3.5 + 3.5	2.6 + 3.5 + 5.0	-	-
-	3.5 + 5.0	3.5 + 3.5 + 3.5	-	-
-	3.5 + 7.1	3.5 + 3.5 + 5.0	-	-
-	3.5 + 8.5	-	-	-
-	5.0 + 5.0	-	-	-
-	5.0 + 7.1	-	-	-

MRC-120CS-5 — 11.85 kW

One Unit	Two Units	Three Units	Four Units	Five Units
2.6*	2.6 + 2.6	2.6 + 2.6 + 2.6	2.6 + 2.6 + 2.6 + 2.6	2.6 + 2.6 + 2.6 + 2.6 + 2.6
3.5*	2.6 + 3.5	2.6 + 2.6 + 3.5	2.6 + 2.6 + 2.6 + 3.5	2.6 + 2.6 + 2.6 + 2.6 + 3.5
5.0*	2.6 + 5.0	2.6 + 2.6 + 5.0	2.6 + 2.6 + 2.6 + 5.0	2.6 + 2.6 + 2.6 + 2.6 + 5.0
7.1*	2.6 + 7.1	2.6 + 2.6 + 7.1	2.6 + 2.6 + 2.6 + 7.1	2.6 + 2.6 + 2.6 + 3.5 + 3.5
8.5*	3.5 + 3.5	2.6 + 2.6 + 8.5	2.6 + 2.6 + 3.5 + 3.5	-
-	3.5 + 5.0	2.6 + 3.5 + 3.5	2.6 + 2.6 + 3.5 + 5.0	-
-	3.5 + 7.1	2.6 + 3.5 + 5.0	2.6 + 2.6 + 5.0 + 5.0	-
-	3.5 + 8.5	2.6 + 3.5 + 7.1	2.6 + 3.5 + 3.5 + 3.5	-
-	5.0 + 5.0	2.6 + 3.5 + 8.5	2.6 + 3.5 + 3.5 + 5.0	-
-	5.0 + 7.1	2.6 + 5.0 + 5.0	3.5 + 3.5 + 3.5 + 3.5	-
-	5.0 + 8.5	2.6 + 5.0 + 7.1	3.5 + 3.5 + 5.0 + 5.0	-
-	7.1 + 7.1	3.5 + 3.5 + 3.5	-	-
-	-	3.5 + 3.5 + 5.0	-	-
-	-	3.5 + 3.5 + 7.1	-	-
-	-	3.5 + 3.5 + 8.5	-	-
-	-	3.5 + 5.0 + 5.0	-	-
-	-	5.0 + 5.0 + 5.0	-	-

Outdoor Unit Models

Better Service

Local service you can count on

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

NOTE: Where the chart references 7.1 in product combinations, Serene Series 2 '7.2kW' systems are compatible in place.
For actual capacities on the above combinations, please refer to the ActronAir technical catalogue. * One unit connection applicable with Serene High Wall indoors only.

Technical Specifications

Multi Split System 7.5-11.85kW (Single Phase)

Technical Information

OUTDOOR MODEL		MRC-075CS-3	MRC-100CS-4	MRC-120CS-5
APPLICABLE INDOOR MODEL/S	Wall Hung	WRE-026CS	WRE-026CS	WRE-026CS
		WRE-035CS	WRE-035CS	WRE-035CS
		WRE-050CS	WRE-050CS	WRE-050CS
		WRE-072CS	WRE-072CS	WRE-072CS
		-	WRE-085CS	WRE-085CS
	Bulkhead	BRE-026CS	BRE-026CS	BRE-026CS
		BRE-035CS	BRE-035CS	BRE-035CS
		BRE-050CS	BRE-050CS	BRE-050CS
		BRE-070CS	BRE-070CS	BRE-070CS
	Mini-Cassette	MRE-035CS	MRE-035CS	MRE-035CS
		MRE-050CS	MRE-050CS	MRE-050CS
Nett (Rated) Capacity (kW) (AS/NZS3823.1.4)	Cooling (min - max)	7.50	9.40	11.85
	Heating (min - max)	7.60	9.50	12.50
Input Power (kW) (AS/NZS3823.1.4)	Cooling Rated	1.90	2.11	3.15
	Heating Rated	1.60	1.98	3.25
[1] EER Rated (AS/NZS3823.1.4)	Cooling Rated	3.95	4.45	3.76
[2] COP Rated (AS/NZS3823.1.4)	Heating Rated	4.75	4.80	3.85
Power Supply - (V / Ph / Hz)	Outdoor	220 - 240 V / 1Ph+N / 50Hz		
Rated Load Amps (AS/NZS3823.1.4)	Cooling	8.4	9.5	14.7
	Heating	7.0	9.3	15.8
Full Load Amps	[3] Maximum possible combination	21.0	23.6	26.4
	Outdoor Unit Only	17.5	19.0	19.0
[4] Circuit Breaker Amps and Main Cable Amps		25.0	25.0	32.0
[5] Suggested Minimum Indoor to Outdoor Cable Size & Type		1.0mm² 3 Core + Earth		
IP Rating	Outdoor	IP24	IPX4	IPX4
Compressor Type		Inverter Twin-Rotary		
Refrigerant		R32		
Outdoor Dimensions (mm)	Depth	342	410	410
	Height	673	810	810
	Width	890	946	946
[6] Nominal Weight (kgs)	Outdoor	48.1	66.2	75.9
[7] Outdoor Sound Pressure Level (dBA) 1m		58.7	58.8	62.6
[8] Outdoor Sound Power Level (dBA)		65	72	73
Outdoor Operating Range (°C)	Cooling	-15°C to 50°C		
	Heating	-25°C to 30°C		
MEPS Compliant		Yes		

Technical Information

Refrigerant Charge	Factory Charge - (g)	1850	2400	2950
	Pre-Charge Length - (m)	3 x 10m	4 x 10m	5 x 10m
	Additional Refrigerant Charge - (g/m)	12	12	12
Minimum Field Pipe Length - (m)	1 indoor unit	9	12	12
Maximum Field Pipe Length - (m)	For all rooms	60	80	80
	For 1 indoor unit	30	35	35
Maximum Vertical Height Differential (m) included in max length	From OD unit to ID unit	15	15	15
	From ID unit to ID unit	15	15	15
Outdoor Unit Connections	Liquid Pipe - mm (inch)	3 x 6.35 (1/4)	4 x 6.35 (1/4)	5 x 6.35 (1/4)
	Gas Pipe - mm (inch)	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)
Adaptors to connect field pipe are supplied with outdoor (MRC) unit		STD	STD	STD
Wiring Method		Hardwire to Outdoor		

Foot Notes 1-9

1. EER Rated = Energy Efficiency Ratio (Rated Capacity Cooling, Rated Input Power Cooling)
2. COP Rated = Coefficient of Performance (Rated Capacity Heating, Rated Power Heating)
3. Maximum FLA based on the following combination:
   MRC-075CS-3 + BRE-035CS + BRE-050CS + BRE-050CS
   MRC-100CS-4 + BRE-035CS + BRE-035CS + BRE-035CS + BRE-050CS
   MRC-120CS-5 + BRE-035CS + BRE-035CS + BRE-050CS + BRE-050CS + BRE-050CS
   Each installation will require calculation of selected combination (Outdoor + Indoor/s) for correct Full Load Amps.
4. Based on MEPS registered combination.
5. Refer to AS/NZS 3000 'Australian/New Zealand Wiring Rules' for more details.

6. Refer to Catalogue Unit Weight Distribution Guide section for details of weight points.
7. Sound Pressure Level at 1m distance is determined as the measured sound pressure at 1m perpendicular to the coil side of the condenser.
8. Determination of Sound Power Levels of Noise Sources, AS1217.2 - Precision Methods for Broad-Band Sources in Reverberation Rooms.
9. When Demand Response capability option is chosen, the air conditioner will be fully compliant with AS4755.3 in the following modes: DRM 1, 2, 3

Important Notes:
- The Local Electricity Supply Authority may require limits on - starting current, running current and voltage drop, please check prior to purchase.
- When the outdoor temperature exceeds the rated conditions, the cooling/heating capacities may decrease the rated nett values.
- Specifications subject to change without notice.

Technical Information (Applicable Indoor Models)

INDOOR MODEL		WRE-026CS	WRE-035CS	WRE-050CS	WRE-072CS	WRE-085CS	BRE-026CS	BRE-035CS	BRE-050CS	BRE-070CS	MRE-035CS	MRE-050CS
			Wall Hung Split					Bulkhead			Mini-Cassette	
IP Rating		IPX0					IPX0				IPX0	
Airflow Range (l/s)	High	180	180	201	320	320	139	167	253	253	171	189
	Medium	120	120	172	230	230	94	133	196	196	140	156
	Low	100	100	120	190	190	64	83	143	143	115	139
Indoor Dimensions	Depth	225	225	239	297	297	506	506	674	774	570	570
	Height	295	295	315	370	370	200	200	210	249	260	260
	Width	795	795	965	1140	1140	700	700	880	1100	570	570
Full Load Amps (AS/NZS3823.1.2)- Indoor Unit		0.24	0.275	0.275	0.4	0.4	1.1	1.1	1.3	1.3	0.57	0.57
Nominal Weight		10.3	10.3	12.3	19.7	19.7	18.0	18.0	24.4	32.3	16.2	16.2
Indoor Sound Pressure Level (dBA) (Low / Med / High)		30 / 32 / 38	30 / 32 / 38	30 / 34 / 40	36 / 42 / 47	38 / 42 / 47	27.5 / 34.5 / 40	30 / 32 / 34.5	35 / 39 / 42	41 / 46 / 49	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)	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)	9.52 (3/8)	12.7 (1/2)	15.9 (5/8)	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)	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)	9.52 (3/8)	12.7 (1/2)	15.9 (5/8)	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

		WRE-026CS	WRE-035CS	WRE-050CS	WRE-072CS	WRE-085CS	BRE-026CS	BRE-035CS	BRE-050CS	BRE-070CS	MRE-035CS	MRE-050CS
Remote Controller - RC-02		Yes	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
Remote Controller - RC-03		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Optional	Optional
Wired Wall Controller - WC-02		Optional	Optional	Optional	Optional	Optional	Yes	Yes	Yes	Yes	Yes	Yes
EasyConnect Wi-Fi	WUK-WH1	Optional	Optional	Optional	Optional	Optional	N/A	N/A	N/A	N/A	N/A	N/A
	WUK-CAC1	N/A	N/A	N/A	N/A	N/A	Optional	Optional	Optional	Optional	Optional	Optional
Follow Me Function		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sleep		Yes	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	Yes	Yes
Turbo		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Auto Defrost Function		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Timer On/Off		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7-Day Scheduler / Weekly timer		Optional	Optional	Optional	Optional	Optional	Yes	Yes	Yes	Yes	Yes	Yes
Dehumidification		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Easy Lift Filter		Yes	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
Ionizer		Yes	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
Return Air Sensor		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
External Static Pressure Settings		N/A	N/A	N/A	N/A	N/A	Yes	Yes	Yes	Yes	N/A	N/A
Drain Pump		N/A	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	N/A	Optional	Optional	Optional	N/A	N/A	N/A
Outside Air Intake		N/A	N/A	N/A	N/A	N/A	Optional	Optional	Optional	Optional	Optional	Optional
Hanging Brackets		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Multi Directional Airflow	Up - Down	Automatic	Automatic	Automatic	Automatic	Automatic	N/A	N/A	N/A	N/A	N/A	N/A
	Left - Right	Automatic	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	Yes
	Outdoor	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Louvre Memory		Yes	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	Yes	Yes
[9] Demand Response Capability (AS4755.3)		Ready	Ready	Ready	Ready	Ready	Ready	Ready	Ready	Ready	Ready	Ready
Indoor Fan Speed		12-Speed					3-Speed				3-Speed	
Quiet Mode		Yes	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
Auto Restart Function		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fault Alarm Output Port		Optional	Optional	Optional	Optional	Optional	Yes	Yes	Yes	Yes	Yes	Yes
Remote On/Off		Yes	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	Yes
Mute Operation		Yes	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A

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

5 YEAR Warranty Conditions Apply

Quality ISO 9001 Certified System SAI GLOBAL

ARC Refrigerant Trading Authorisation No.: AU06394

MEPS COMPLIANT

ActronAir

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