



CASCADE CASSETTE

Perfectly suited for every ceiling design

R32 LOW GWP
REFRIGERANT

Sleek Comfort. Discreet Performance.

Ideal for high-end offices, retail outlets, and boutique hospitality spaces, ActronAir's CASCADE Cassette delivers whisper-quiet 360° airflow for consistent comfort throughout the room. Its sleek design blends effortlessly into suspended ceilings, maintaining a clean, modern aesthetic.



Comfort that Reaches Every Corner.

Designed for ceilings up to 4 metres high and with up to 5 metres of horizontal air distribution, CASCADE delivers powerful, even airflow across expansive open-plan workspaces, retail floors, and communal areas. No more hot or cold pockets—just consistent, balanced comfort from wall to wall, helping to create a more productive, welcoming environment for staff and visitors alike.



Designed for Aussie Conditions

Built to handle our country's toughest weather extremes, CASCADE delivers reliable comfort from -20°C to 50°C.



Smarter Indoor Design

Delivers even airflow from all four sides and corners—ensuring balanced temperatures across the entire space.



Smarter Performance. Lower Costs

CASCADE's DC inverter technology adjusts output to match demand—minimising energy use and reducing running costs.

Effortless Operation, Everyday.

Feature-rich WC-03 wired controller puts precision control at your fingertips. With easy scheduling, mode selection, and temperature adjustment, it helps optimise comfort and energy efficiency—making day-to-day operation simple for staff, tenants, or facility managers.



Specification Tables

Technical Specifications				
Model	Outdoor	URC-100DS	URC-125DS	URC-140DS
	Indoor	CRE-100DS	CRE-125DS	CRE-140DS
Operating Capacity	⁽¹⁾⁽²⁾ Cooling Capacity (kW)	10.00	12.90	14.10
	⁽¹⁾⁽²⁾ Cooling Capacity Range (kW)	2.90 ~ 11.72	3.60 ~ 16.09	3.60 ~ 16.09
	⁽¹⁾⁽³⁾ Heating Capacity (kW)	10.50	13.30	14.50
	⁽¹⁾⁽³⁾ Heating Capacity Range (kW)	2.66 ~ 12.60	3.85 ~ 17.58	3.65 ~ 18.90
Electrical Characteristics	⁽¹⁾⁽⁴⁾ Cooling Input Power (kW)	3.040	3.710	4.245
	⁽¹⁾⁽⁴⁾ Heating Input Power (kW)	2.565	3.420	4.000
	Standby Power (w)	9.50	8.20	8.50
Efficiency	⁽¹⁾⁽²⁾ EER / AEER	3.2895 / 3.2551	3.4771 / 3.4513	3.3216 / 3.2992
	⁽¹⁾⁽³⁾ COP / ACOP	4.0936 / 4.043	3.8889 / 3.8576	3.6250 / 3.5991
	TCSPF Residential (Hot / Avg. / Cold)	5.680 / 5.074 / 5.330	5.859 / 5.314 / 5.569	5.627 / 5.128 / 5.427
	HSPF Residential (Hot / Avg. / Cold)	4.826 / 4.364 / 3.948	5.120 / 4.401 / 3.907	5.082 / 4.301 / 3.840
Power Supply		220 - 240V / 1Ph / 50Hz		
Interconnecting Wire (mm ²)		1.5 x 4	1.5 x 4	1.5 x 4
⁽⁷⁾ Maximum Running Current (Full Load Amps)		21	31	31
⁽⁸⁾ Rated Load Amps	Cooling	13.2	16.1	18.5
	Heating	11.2	14.9	17.5
⁽⁹⁾ Circuit Breaker (A)		25	32	32
IP Rating	Outdoor	IPX0		
	Indoor	IPX4		
Indoor Unit Dimensions	Height (mm)	287	287	287
	Width (mm)	830	830	830
	Depth (mm)	830	830	830
Indoor Weight	Net (kg)	29.3	29.3	29.3
Panel Dimensions	Height (mm)	55	55	55
	Width (mm)	950	950	950
	Depth (mm)	950	950	950
Airflow Volume	Turbo (l/s)	611	611	611
	High (l/s)	556	556	556
	Medium (l/s)	514	514	514
	Low (l/s)	458	458	458
	Silence (l/s)	347	347	347
Outdoor Unit Dimensions	Height (mm)	810	975	1333
	Width (mm)	946	980	952
	Depth (mm)	410	415	415
Outdoor Weight	Net (kg)	75.2	89	93
Compressor Type		Twin Inverter Rotary		
Refrigerant Type		R32		
Pre-Charge	Amount (g)	2600	3500	3600
	Length (m)	20	20	20
Connections	Connection Type	Flared		
	Liquid	Ø9.52	Ø9.52	Ø9.52
	Gas	Ø15.90	Ø15.90	Ø15.90
Maximum Piping	Length (m)	75	75	75
	Height (m)	30	30	30
Minimum Piping	Length (m)	3	3	3
⁽⁵⁾ Outdoor Sound Pressure Level @ 1m dB(A)		63	64	63
⁽⁶⁾ Outdoor Sound Power Level dB(A)		70.6	71	70.2
Operating Range	Cooling °C	-15 ~ 50°		
	Heating °C	-20 ~ 24°		
	Dry °C	0 ~ 50°		
Controller Supplied in Box		WC-03		
Available Control Options (Sold Separately)		RC-03		



CASCADE

Designed to Disappear. Built to Perform.

Specification Tables

Features	
Twin Inverter Rotary Compressor	Fresh Air Port
Powder Coated Panels - Outdoor	I-Clean Feature
Hydrophilic Gold Coating Indoor & Outdoor Coils	Turbo Mode
Self-Diagnosis & Auto Protection	Follow Me
Fire Proof Electrical Box - Indoor & Outdoor	Dry Mode
Incorporated Drain Pump with 1000mm lift	Dual Control Capability
360° Airflow Direction	Remote ON/OFF Switch (Optional)
Independent Louvre Control	Demand Response Ready

Controls



Features	WC-03	RC-03
Colour Options	White	White
Touch Screen	✗	✗
Onboard Temperature Sensor	✓	✗
Independent Louvre Control	✓	✗
Turbo Mode	✓	✓
Auto Heat / Cool Change Over	✓	✓
Error Code Display	✓	✗
24 Hour Timer	✓	✓
7 Day Scheduling	✓	✗
Turbo Mode	✓	✓
Eco Mode	✓	✓
Dry Mode	✓	✗
Follow Me	✓	✓
Dual Control Capability - Optional (Using Mimic Logic)	✓	✗
Filter Clean Reminder	✓	✗
Memory for Auto Restart after Power Failure	✓	✗
Set Temperature Lock	✓	✗
Child Lock	✓	✓
i-Clean	✓	✗
In Built Wi-Fi	✓	✗
Mobile App Connectivity	✓	✗

Legend:

✓ = Available ✗ = Not Available

Foot Notes

- ⁽¹⁾ Measured and tested in accordance with AS/NZS 3823.1.4. Rated Load Amps shown above is based on MEPS representative outdoor and indoor unit combinations.
- ⁽²⁾ At 27°C DB / 19°C WB entering air temperatures and 35°C ambient.
- ⁽³⁾ At 20°C DB entering air temperature and 7°C DB / 6°C WB ambient.
- ⁽⁴⁾ Input power includes indoor fan kW.
- ⁽⁵⁾ Outdoor sound pressure level is determined in an anechoic chamber and may differ once the unit is installed due to environment conditions.
- ⁽⁶⁾ Determination of Sound Power Levels of Noise Sources per AS1217.2.
- ⁽⁷⁾ Full Load Amps (FLA) shown above is based on maximum possible outdoor and indoor unit combinations. FLA are based on compressor and fan motors' maximum expected current. Final FLA will be based on installed combination. See wiring section of installation guide for more details.
- ⁽⁸⁾ Rated Load Amps shown above is based on MEPS representative outdoor and indoor unit combinations. Rated Load Amps are measured and tested in accordance with AS/NZS3823.1.4.
- ⁽⁹⁾ Based on FLA of largest possible outdoor and indoor combination. See specifications sheet for cable size details.

Important Notes:

- The Local Electricity 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.
- EasyConnect App will need to be downloaded from the Google Playstore or IOS App Store prior to the pairing process.

Disclaimer

Specifications and product details are subject to change without notice. The manufacturer reserves the right to update or modify features, dimensions, or performance at any time due to ongoing improvements or technological advancements.

Warranty:

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

