ActronAir



GENESIS | 15-19kW

Package

Redefining the future of commercial comfort

A Smarter start to a Sustainable Future

GENESIS is shaped by practical innovation and a clear understanding of commercial applications. It's designed to deliver efficient, reliable air conditioning — supporting businesses today while remaining adaptable for future needs.



Designed to Adapt, Built to Endure

Engineered for consistent, everyday performance, ActronAir rooftop package units strike a practical balance between efficiency, control and durability. With smart load matching, protection against harsh Australian conditions and flexible control options, they're designed to support reliable operation across a wide range of commercial applications.

Built for Aussie Conditions

Built to handle our country's toughest weather, GENESIS Package units delivers reliable comfort from -10°C up to 52°C.

Inverter Scroll Compressor

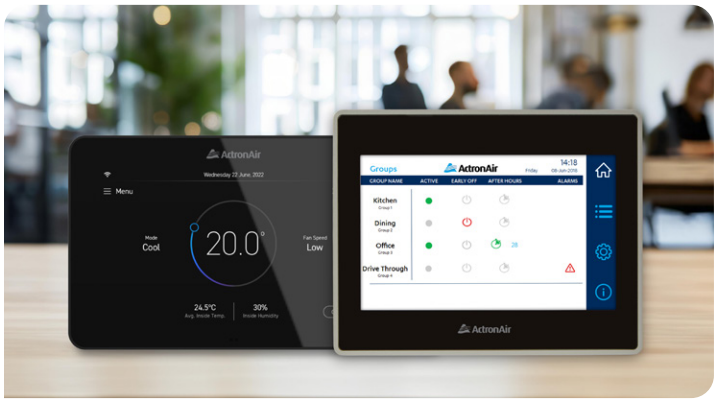
Delivering precise capacity control, greater energy efficiency, improved part-load performance, and consistent comfort across changing demands.

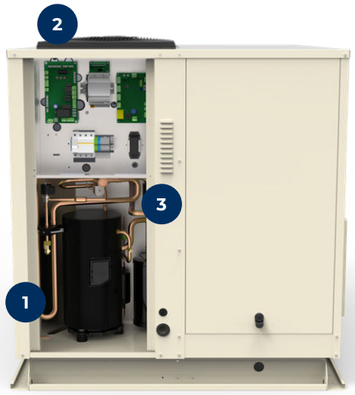
ECM Variable Speed Fans

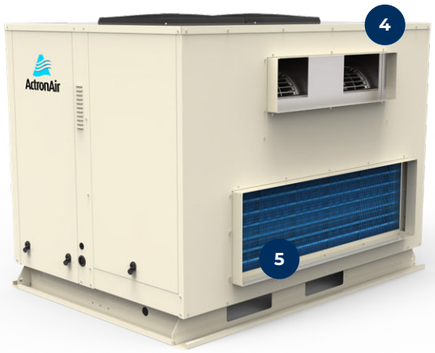
Reduces energy consumption during part-load operation and improves overall efficiency, supporting reliable, cost-effective performance in everyday commercial applications.

Seamless Control for Smarter Spaces

NEO delivers precise comfort control through an intuitive interface, featuring smart dashboards designed for seamless commercial integration. It's complemented by our controls range, including the Group Controller and LC7, offering advanced functions including after-hours operation.









1 R32 Inverter Scroll Compressor

R32 inverter scroll compressor deliver precise capacity control to closely match real-time load demands. This results in higher efficiency at part load, more stable temperature control, and reduced energy consumption across a wide range of operating conditions.

2 ECM Variable Speed Outdoor Fans

By modulating fan speed in response to load and ambient temperature, ECM outdoor fans enhance condenser efficiency and reduce unnecessary power consumption. The result is smoother operation, improved seasonal efficiency, and consistent performance.

3 Low Ambient Cooling Operation

Designed to operate in cooling mode down to +5 °C ambient, the system provides dependable temperature control even during cooler months — supporting continuous operation where cooling is required beyond the summer season.

4 ECM High Efficiency Indoor Fan Motors

Using electronically commutated motor technology, EC indoor fan motors deliver improved efficiency and smoother speed modulation. This results in lower running costs, quieter operation, and reliable performance across a wide range of operating conditions.

5 Hydrophilic Blue Fin Coil Coat

Hydrophilic Blue Fin coating enhances water run-off across the coil, minimising moisture retention and supporting efficient heat exchange. The coating also provides an additional layer of corrosion resistance, helping maintain performance in demanding outdoor environments.

6 Condensate Drain

In addition to the main drain tray, the condenser also includes an integrated condensate drain to efficiently remove excess moisture, helping prevent water build-up, protect key components and maintain reliable performance in all conditions.

7 Louvered Grille Guard

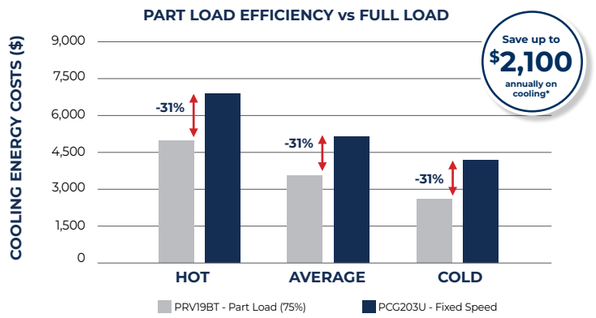
Featuring a unique powder-coated louvered grille guard, this product ensures protection against Australia's toughest conditions. From hailstorms to the relentless heat of the sun, this design is specifically engineered to provide a strong defense against the elements.

8 Insulated Performance

Comes with 25mm foil-faced insulation as a standard feature, enhancing efficiency by minimising heat transfer.

Adaptive Efficiency for Real-World Performance.

The GENESIS 15–19kW series is designed to operate efficiently under real-world conditions, delivering up to 31% energy savings at part load. As commercial systems typically run below peak capacity, GENESIS focuses on smarter off-peak operation, helping reduce energy use while maintaining consistent comfort.



* 3 Climate Zones referenced - Hot, Average & Cold along with commercial bin hour operations in each of these climate zones. NSW Commercial Tariff: 0.35c

GENESIS

Package (15.00 - 19.00kW)

Specification Tables

Features	
Tru-Inverter Variable Speed Compressor & Drive Technology	Fault and Run Indication - Relay Output
40-100% Refrigeration Operating Capacity Range	Up to 3 Wall Controllers and 2 Remote Temperature Sensors
EC High Efficiency Indoor & Outdoor Fan Motor	Compressor Soft Start via Variable Speed Drive Control
Low GWP R32 Refrigerant	Hydrophilic Blue Fin Coil Coat Protection - Indoor & Outdoor
Variable Speed ECM Axial Fan	Bi-Flow Electronic Expansion Valve
Adaptive Demand Defrost	Powder Coated Unit with Louvred Coil Guard
25mm Foil Faced Polyethylene Insulation	Adjustable Indoor Airflow plus Reduced Fan Airflow Feature
Low Ambient Cooling Operation to +5 degree	Manual Inputs Capable for Third Party Control
Quiet Mode	Dry Mode

Options & Accessories	
Additional Outdoor Coil Protection (K)	Bluetooth Commissioning Tool (BCT)
Additional Indoor Coil Protection (L)	LC7 Wall Controller
Vertical Discharge Fan Coil	NEO Touch Controller
Supply Temperature Sensor (S)	Remote Temperature Sensor
3rd Party Economiser, Control Logic (F)	BMS Compatibility
Condensate Overflow Sensor (O)	CO2 Sensor

Installation Information				
Model		PRV15BT	PRV17BT	PRV19BT
Refrigerant Factory Charge (grams)		2450	2730	4015
Condensate Drain Connection Size		25mm		
Air Duct Connection (H X W)	Supply Duct	200 x 740		280 x 740
	Return Duct	348 x 1100		398 x 1154

Controls







Features	Group Controller	NEO	LC7
Colour Options	Black	White or Black	White or Grey
Touch Screen	✓	✓	✕
Commercial Dashboards	✓	✓	✕
Multiple System Connectivity / Group Control	✓	✕	✕
Onboard Temperature Sensor	✕	✓	✓
Optional Remote Sensor	✓	✓	✓
Set Point Displayed	✓	✓	✓
One Touch Temporary Room Temperature Display	✕	✓	✓
Optional Temperature Set Point and Time Display	✓	✓	✓
Auto Heat / Cool Change Over	✓	✓	✓
Self Diagnostic Fault Code Display	Fault Indicator Only	✓	✓
24 Hour Timer	✓	✓	✓
7 Day Time Clock	✓	✓	✓
Set Back / Away Temperature	✕	✓	✓
Adjustable Dead Band	✓	✓	✓
Adjustable Set Point in 0.5C Increments	✓	✓	✓
Dual Control Capability - Optional (Using Mimic Logic)	✕	✓	✓
Return Air Filter Indicator	✓	✓	✓
After Hours Timer Function (NCC Compliant)	✓	✓	✓
Damper Settings	✓	✓	✕
NFC Technology	✕	✓	✓
Set Temperature Lock	✓	✓	✓
Controller Lock	✓	✓	✓
Diagnostic Dashboard	✓	✓	✕
Built-In Wi-Fi	✕	✓	✕
Over The Air Updates	✕	✓	✕
NCC Compliant	✓	✓	✓

Legend: ✓ = Available ✕ = Not Available

GENESIS

Package (15.00 - 19.00kW)

Specification Table

Technical Specifications				
		PRV15BT	PRV17BT	PRV19BT
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Min/Rated/ Tru-Max)	4.49 / 14.80 / 16.50	4.65 / 17.00 / 18.80	6.48 / 19.00 / 21.00
	Heating (Min/Rated/Tru-Max)	4.48 / 15.00 / 17.50	5.30 / 17.60 / 19.10	5.58 / 19.00 / 20.50
Input Power (kW) (AS/NZS3823.1.2)	Cooling	4.42	4.99	5.60
	Heating	4.08	4.69	4.90
[1] EER	Rated	3.34	3.40	3.39
	Tru-Max	3.03	3.05	3.26
[2] COP	Rated	3.67	3.75	3.88
	Tru-Max	3.28	3.41	3.66
Power Supply		400V / 3Ph+N / 50Hz		
Seasonal Performance - Commercial	TCSPF - Cold / Avg. / Hot	9.672 / 7.003 / 6.414	5.656 / 5.174 / 5.090	7.661 / 6.110 / 5.729
	HSPF - Cold / Avg. / Hot	3.649 / 4.040 / 4.294	3.655 / 4.097 / 4.429	3.693 / 4.069 / 4.292
Rated Amps (AS/NZS3823.1.2)		9.0	9.9	10.5
Full Load Amps (AS/NZS3823.1.2) Total		13.8	15.2	17.1
[3] Circuit Breaker Amps (Suggested)		16.0	16.0	20.0
IP Rating		IP44		
Compressor	Type / No. per Unit	Inverter Variable Speed Scroll / 1		
	Starting Method	Inbuilt Soft Starting		
No. of refrigeration Circuits / No. Capacity Stages (Capacity range)		1 / Variable Capacity		
Refrigerant		R32		
Fans (Type x Number per unit)	Outdoor	Variable Speed EC Axial Fans x 2		
	Indoor	Twin Deck Centrifugal x 1		
Airflow Range Indoor (l/s)	Maximum	920	1060	1200
	Nominal	770	890	1000
	Minimum	620	710	800
Unit Dimensions (mm)	Depth	1136		
	Height	1166		
	Width	1523		
[4] Nominal Weight (kgs)		233	242	265
[5] Sound Pressure Level (dBA) [6] Sound Power Level (dBA)	Outdoor (Quiet / Rated / Tru-Max)	47.3 / 56.0 / 56.1	47.5 / 56.0 / 56.1	51.0 / 59.4 / 59.4
	Outdoor (Quiet / Rated / Tru-Max)	65.5 / 74.6 / 74.6	65.7 / 74.6 / 74.6	68.2 / 76.5 / 76.5
Operating Range	Cooling °C	5°C ~ 52°C		
	Heating °C	-10°C ~ 20°C		
MEPS Certified		Yes		
[7] Demand Response Capability (AS4755.3)		Capable		

Foot Notes

1. EER Rated = Energy Efficiency Ratio (Rated Capacity Cooling / Rated Input Cooling). Measured and tested in accordance with AS/NZS3823.1.2.
2. COP Rated = Coefficient of Performance (Rated Capacity Heating / Rated Input Heating). Measured and tested in accordance with AS/NZS3823.1.2.
3. Suggested minimum cable size. This should be used as a guide only. Refer to AS/NZS 3000 "Australian/New Zealand Wiring Rules" for more details.
4. Refer to Catalogue Unit Weight Distribution Guide section for details of weight points.
5. Sound Pressure Level at 3m distance is determined based on sound power level.
6. Measured based on ISO 3743-1, Determination of Sound Power Levels and Sound Energy Levels of Noise Sources Using Sound Pressure.
7. When Demand Response capability is chosen, the air conditioner will fully comply.

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

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 net values.
- Specifications subject to change without notice.

Warranty:

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

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.