



ActronAir

R32 LOW GWP REFRIGERANT



GENESIS Package 15-19kW

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.



GENESIS 15 ~ 19kW PACKAGE

Engineered to Perform, Built to Last.

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

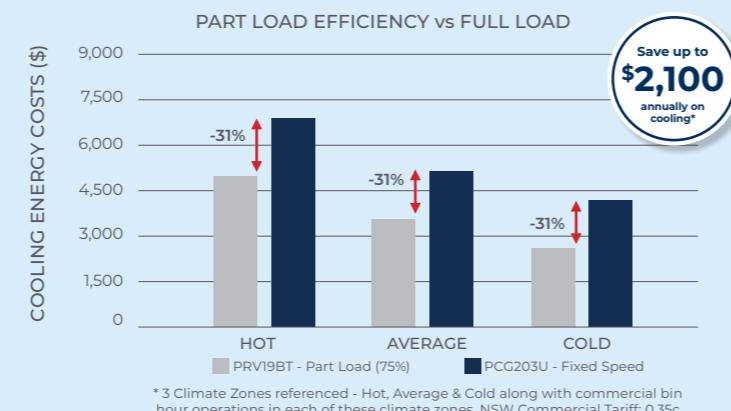
| Features | Group Controller | NEO | LC7 |
|--------------------------------------------------------|----------------------|----------------|---------------|
| Colour Options | Black | White or Black | White or Grey |
| Touch Screen | ✓ | ✓ | ✗ |
| Commercial Dashboards | ✓ | ✓ | ✗ |
| Multiple System 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



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.



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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) | Outdoor (Quiet / Rated / Tru-Max) | 47.3 / 56.0 / 56.1 | 47.5 / 56.0 / 56.1 | 51.0 / 59.4 / 59.4 | | | |
| ⁶ Sound Power Level (dBA) | 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.

