

# GENESIS COMMERCIAL SPLIT DUCTED 96kW

Tailored Comfort, Built for Business

## EFFICIENCY, FLEXIBILITY, AND PERFORMANCE REDEFINED

We're proud to introduce the GENESIS 96kW Commercial Split Ducted system - a solution designed to balance performance, flexibility, and energy efficiency. Built with thoughtful innovation and backed by our deep understanding of Australian conditions, GENESIS is here to provide reliable comfort while helping businesses manage their energy use with care. It's not just about air conditioning; it's about creating spaces where people can thrive.

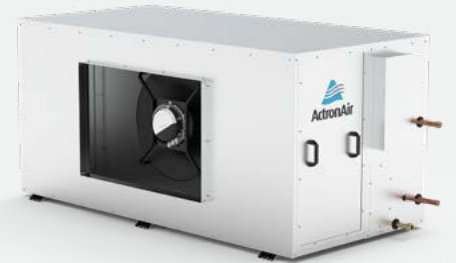
## DESIGNED FOR PERFORMANCE AND EFFICIENCY

The NEW GENESIS 96kW Split Ducted unit is equipped with high static EC Plug fans. Engineered to support applications up to 500Pa, these fans deliver outstanding energy savings with up to 50% greater efficiency compared to belt-driven alternatives and 20% more efficiency than traditional AC fans. It's a thoughtful combination of performance and energy-conscious design to meet the demands of modern commercial spaces.

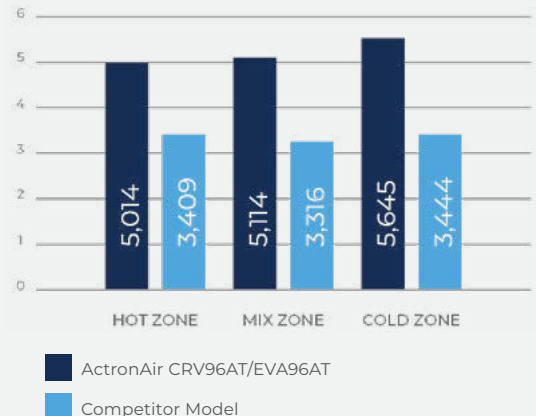
## RAISING THE BAR IN ENERGY EFFICIENCY

The NEW GENESIS 96kW Split Ducted unit raises the standard for performance, offering up to **39%** greater efficiency than competitor models. With significantly higher Seasonal Energy Efficiency Ratios (SEER), it reduces energy consumption while maintaining reliable performance. This means businesses can benefit from lower operating costs and potentially faster returns on investment, all without compromising on comfort or capability.

R32 LOW GWP REFRIGERANT



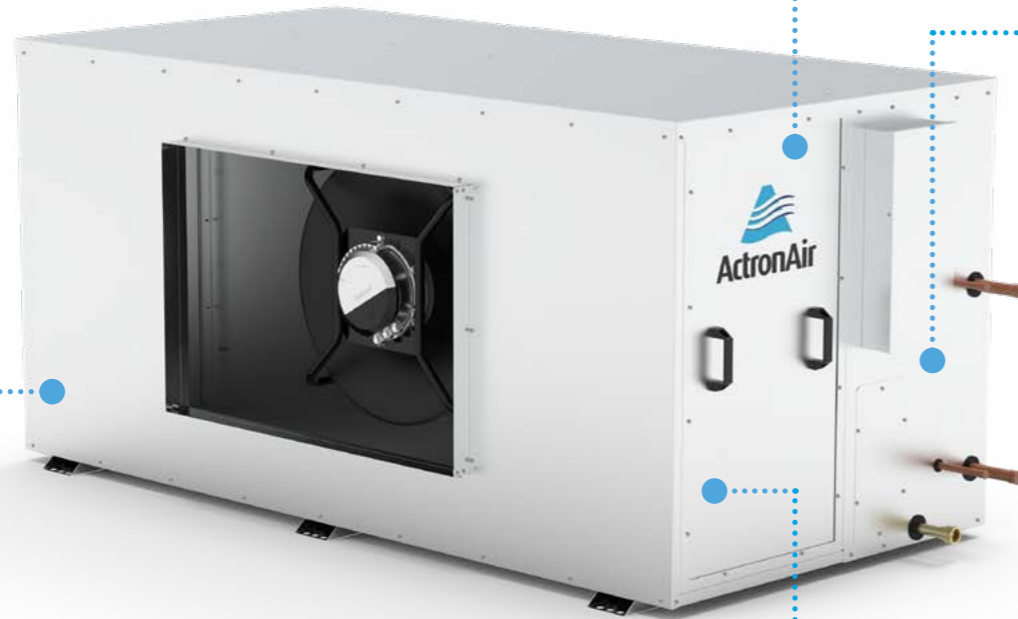
TOTAL COOLING SEASONAL PERFORMANCE FACTOR [TCSPF] COOLING



## PRODUCT FEATURES

### INDUSTRY FIRST-PRESSURISED DOORS

Our pioneering pressurised doors surpass the performance of conventional negative doors by creating a positive pressure system, incorporating enhanced sealing mechanisms, improving airflow, minimizing energy waste, and enhancing comfort and air quality.



### R32 LEAK DETECTION SENSOR

The Built-In R32 Leak Detection Sensor takes safety and peace of mind to the next level, swiftly and accurately detecting refrigerant leaks to create a safer environment for businesses. The sensor is designed for long-term reliability, and its self-monitoring capabilities ensure seamless performance for up to 15 years—delivering continuous protection and confidence, day after day.

### ACCESS MADE EASY

Meticulously crafted with utmost attention, these units are thoughtfully designed to provide hassle-free maintenance. With a remarkable focus on accessibility, they are equipped with up to Four access points, ensuring effortless reach for all service and maintenance tasks.

### DOUBLE-SLOPED MAIN DRAIN TRAY

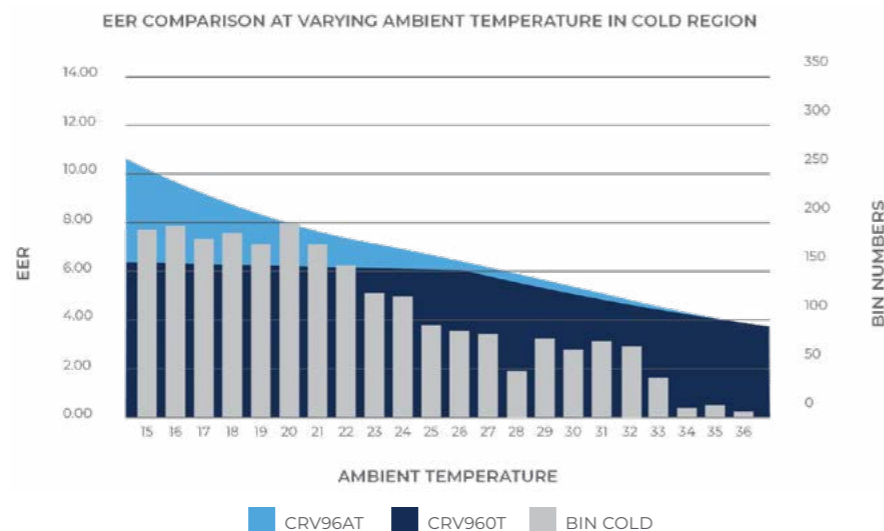
The main drain tray has been ingeniously engineered with a double-slope design, significantly enhancing the unit's drainage capabilities.

## MAXIMISING EFFICIENCY, MINIMISING ENERGY

The GENESIS series is thoughtfully designed to deliver meaningful energy savings, reducing power consumption by up to 10% compared to its predecessor the Variable Capacity Commercial R410a unit.

The importance of partial load efficiency provides the ability for air conditioning systems to maintain high performance even when running below full capacity.

This efficiency is particularly valuable in commercial applications, where systems are built for peak demand but often operate at reduced loads during off-peak periods.



## PRODUCT FEATURES

### COATED SCREWS

Aids in extending the lifespan of the cabinets. The screws feature salt-resistant properties, offering enhanced protection against corrosive elements.

### HIGH STATIC EC FANS

These high static EC fans are not only efficient but also provide a quieter performance, delivering up to 90Pa.

### DUAL INVERTER COMPRESSORS

Offering precise temperature control to maintain consistently comfortable indoor conditions. By dynamically adjusting to demand, they minimise energy consumption while maximising efficiency, reducing running costs without compromising on comfort.



### COATED COIL PROTECTION

Hydrophilic Blue Fin Coil Coat Protection is employed to safeguard both indoor and outdoor coils. This solution effectively mitigates corrosion caused by the challenging Australian climate.

### ENHANCED DRAINAGE & MAINTENANCE SYSTEM

The enhanced outdoor base panel is designed to prevent water pooling, ensuring efficient drainage and reducing the risk of rust formation. Complementing this, the upgraded drain tray features maintenance hatches for easy access and strategically positioned cut-outs for proactive water management, making maintenance more convenient and effective.

## APPLICABLE CONTROLS



### NEO

Award winning controls for award winning comfort. NEO is ActronAir's latest entry in a line of award-winning control products.

- 7 day time clock
- Auto, Heat, Cool, Fan, Dry /Turbo Modes
- Commercial Dashboards - Economiser, Supply Temperature, Variable Fan Technology & System Operation Monitoring
- After hours operation
- NCC 2022 Compliant



### LC7-2

The LC7-2 boasts a sleek and sophisticated design, complemented by a user-friendly interface that allows for effortless navigation.

- 7 day programmable
- 24 hr ON/OFF Timer
- Auto, Heat, Cool, Fan and Turbo Modes
- Filter change light indicator
- NCC 2022 Compliant



### Group Control

Designed with simplicity in mind, the Group Control enables easy utilisation of advanced scheduling functions.

- Expansion module required
- Control up to 15 units
- 7 day & multi event scheduling
- Web Interface
- Organise units in up to 4 groups
- NCC 2022 Compliant



### 3rd Party Controls

Simple terminals for compressor control on/off and modulation, fan speed and operating modes.



### ActronAir BMS Gateway

- BACnet / IP
- BACnet MS / TP
- Modbus TCP / IP

## TECHNICAL SPECIFICATIONS

Scan to find out more  
on our website



| Technical Information                               |                                   |   |
|---|-----------------------------------|---|
|   |                                   | <b>SPLIT UNIT</b>   |
| OUTDOOR MODEL                                       |                                   | CRV96AT   |
| INDOOR MODEL  |                                   | EVA96AT   |
| Total (Gross) Capacity (kW)<br>(AS/NZS3823.1.2)     | Cooling (Rated)                   | 96.00   |
|   | Heating (Rated)                   | 97.00   |
| Net (Rated) Capacity (kW)<br>(AS/NZS3823.1.2)       | Cooling (Min / Rated / TruMax)    | 17.48 / 96.00 / 107.00  |
|   | Heating (Min / Rated / TruMax)    | 16.57 / 97.00 / 108.00  |
| Input Power (kW)<br>(AS/NZS3823.1.2)                | Cooling (Rated)                   | 27.25   |
|   | Heating (Rated)                   | 24.23   |
| <sup>1</sup> EER Rated (AS/NZS3823.1.2)             | Cooling (Rated)                   | 3.52  |
| <sup>2</sup> COP Rated (AS/NZS3823.1.2)             | Heating (Rated)                   | 4.00  |
| Seasonal Performance Factor Commercial              | TCSPF (Hot / Mixed / Cold)        | 5.014 / 5.114 / 5.645   |
|   | HSPF (Hot / Mixed / Cold)         | 4.570 / 3.655 / 3.045   |
| Power Supply - (V / Ph / Hz)                        | Outdoor                           | 400V / 3Ph + N / 50h  |
|   | Indoor                            | 400V / 3Ph + N / 50h  |
| IP Rating   | Outdoor                           | IP44  |
|   | Indoor                            | IP20  |
| Compressor  | Type / No. per Unit               | Inverter Variable Speed Scroll / 2                            |
|   | Starting Method                   | Inbuilt Soft Starting   |
| No. of refrigeration Circuits / No. Capacity Stages |                                   | 2 / Variable Capacity   |
| Refrigerant   |                                   | R32   |
| Fans (Type x Number per units)                      | Outdoor                           | Variable Speed ECM / Direct Drive Axial Fan x 2               |
|   | Indoor                            | Variable Speed ECM / Direct Drive Backward Curve Plug Fan x 2 |
| Airflow Indoor (l/s)                                | Maximum                           | 6000  |
|   | Nominal                           | 5000  |
|   | Minimum                           | 2250  |
| Outdoor Dimensions (mm)                             | Depth                             | 1505  |
|   | Height                            | 2345  |
|   | Width                             | 2290  |
| Indoor Dimensions (mm)                              | Depth                             | 1190  |
|   | Height                            | 1520  |
|   | Width                             | 2425  |
| Nominal Weight (kgs)                                | Outdoor                           | 900   |
|   | Indoor                            | 387   |
| Sound Pressure Level (dBA)                          | Outdoor (Quiet / Rated / Tru-Max) | 61.0 / 68.0 / 69.0  |
| Sound Power Level (dBA)                             | Outdoor (Quiet / Rated / Tru-Max) | 77.5 / 84.5 / 85.6  |
| MEPS Certified                                      |                                   | Yes   |

## STANDARD FEATURES

| Feature  |
|--|
| TruMax Inverter Variable Speed Compressor & Drive Technology |
| Pre-Charged with R32 Refrigerant                             |
| Variable Speed Outdoor Fans                                  |
| 17-100% Variable Refrigeration Capacity                      |
| Bi-Flow Electronic Expansion Valves                          |
| Low Ambient Cooling Operation to (+5°C)                      |
| Phase Protection   |
| Hydrophilic Blue Fin Coat Coil Protection - Indoor & Outdoor |
| Removable Louvered Outdoor Coil Guard                        |
| Adaptive Demand Defrost                                      |
| EC Variable Speed Indoor Fan + Reduce Fan Airflow Feature    |
| Adjustable Indoor Airflow                                    |
| Foil Faced Polyethylene Insulation - Indoor Unit             |
| High Static Outdoor Fans - Selectable Up to 90Pa             |
| Dry Mode via NEO Controller                                  |
| Built-In Leak Detection Sensor                               |
| Bluetooth Commissioning Tool (BCT)                           |

## OPTIONS / ACCESSORIES

- Additional Coil Coat Protection - Indoor and Outdoor
- 3rd Party Economiser Control
- Condensate Indoor Overflow Sensor
- Supply Air Temperature Sensor
- Variable Fan Technology
- Compressor Jacket
- CO2 Sensor (CCO2-MOD)
- Duct Sensor (AERSS)
- Wall Mount Remote Sensor (LM-RS)
- Humidity Sensor Surface/Duct Mount
- Indoor Front/Top Discharge

### DISCLAIMER:

Please note that the specifications of this page are subject to change without prior notice. The manufacturer may update or modify the product's features, dimensions, or performance at any time due to various reasons, including technological advancements, changes in market demand, or component availability.