

# GENESIS COMMERCIAL PACKAGE (R32) 96kW

Redefining the Future of Commercial Comfort

## GENESIS: A NEW ERA IN COMMERCIAL COMFORT

Step into the future with GENESIS, where innovation meets purpose. Designed for today's challenges and tomorrow's possibilities, GENESIS is more than a product—it's a promise to deliver smarter, more efficient solutions for Australia's commercial spaces. Built on a foundation of sustainability and engineered for performance, GENESIS marks the beginning of a new chapter in air conditioning.

## DRIVING EFFICIENCY, DELIVERING POWER WITH EC PLUG FANS

The NEW GENESIS 96kW Packaged unit is equipped with high-static EC Plug fans, designed to support applications up to 500Pa while achieving impressive energy savings. These fans deliver up to 50% greater efficiency compared to belt-driven alternatives and 20% more efficiency than AC fans, setting a new standard in performance and sustainability.

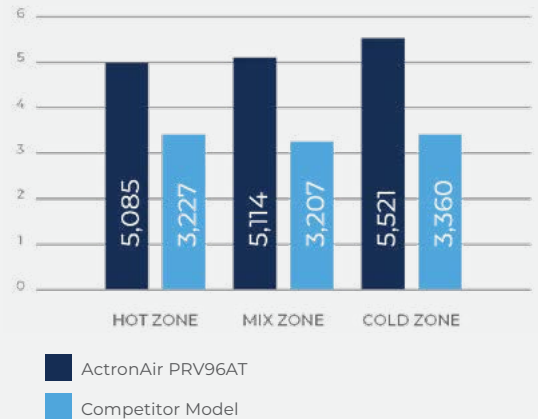
## REDEFINING EFFICIENCY, OUTPERFORMING THE REST

Raising the bar for performance, the NEW GENESIS 96kW Packaged units outperform competitors with significantly higher Seasonal Energy Efficiency Ratios (SEER). By consuming less energy, these units deliver outstanding overall efficiency while helping to lower energy usage.

R32 LOW GWP REFRIGERANT



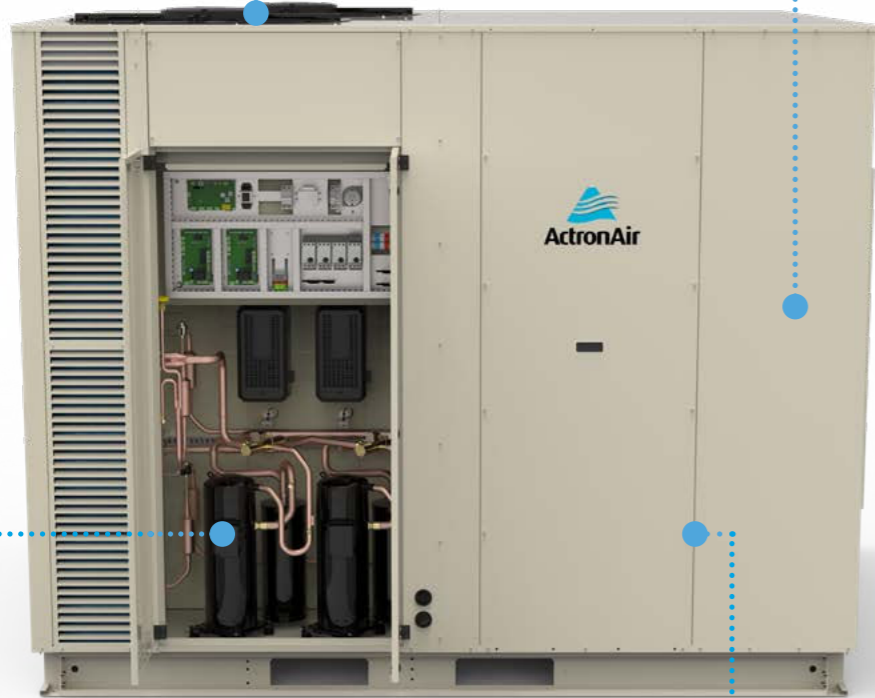
TOTAL COOLING SEASONAL PERFORMANCE FACTOR [TCSPF] COOLING



## PRODUCT FEATURES

### HIGH STATIC CONDENSER EC FANS

Not only do these high static EC fans offer exceptional efficiency, but they also deliver a quieter performance. They are specifically designed to provide the rated outdoor airflow up to 90Pa, with the convenience of selectable increments of 10Pa.



### 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.

### 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.

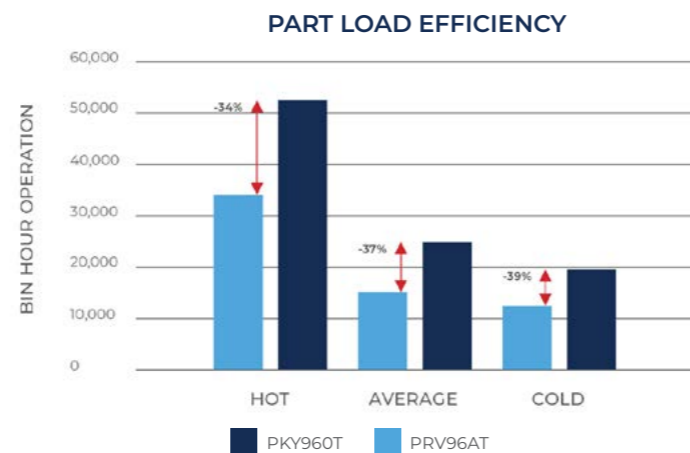
### COATED SCREWS

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

## EFFICIENCY THAT ADAPTS TO EVERY DEMAND

The GENESIS series offers significant energy savings, reducing power consumption by up to **39%** when operating at partial load.

Partial load efficiency highlights the ability of air conditioning units to perform efficiently when running below full capacity - a common scenario for commercial systems designed to handle peak demand but frequently operating at lower loads during off-peak times.



\*We have referenced 3 climate zones, Hot, Average & Cold along with bin hour operation in each of the climate zones, providing us data on two variables - different climates and part load vs full load.

## PRODUCT FEATURES

### 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.

### PULL OUT FILTER TRAY

Pull-out Filter Tray, maintenance made effortless with its hassle-free removal. Simply pull out the tray, and maintenance becomes a breeze.

\*filters not included

### 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.



### INSULATED PERFORMANCE

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

### ACCESS MADE EASY

These units prioritise hassle-free maintenance. With a strong focus on accessibility, they feature up to seven access points, allowing for effortless servicing and maintenance.

## 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		
		PACKAGE UNIT
PACKAGE OUTDOOR / INDOOR MODEL		PRV96AT
Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Rated)	96.00
	Heating (Rated)	97.00
Net (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Min / Rated / TruMax)	17.48 / 96.00 / 106.20
	Heating (Min / Rated / TruMax)	16.57 / 97.00 / 109.00
Input Power (kW) (AS/NZS3823.1.2)	Cooling (Rated)	25.90
	Heating (Rated)	25.05
EER Rated (AS/NZS3823.1.2) COP Rated (AS/NZS3823.1.2)	Cooling (Rated)	3.71
	Heating (Rated)	3.87
EER Tru-Max	Cooling (Tru-Max)	3.33
COP Tru-Max	Heating (Tru-Max)	3.34
Seasonal Performance Factor Commercial	TCSPF (Hot / Mixed / Cold)	5.085 / 5.114 / 5.521
	HSPF (Hot / Mixed / Cold)	4.331 / 3.809 / 3.172
Power Supply - (V / Ph / Hz)	Package / Outdoor	400V / 3Ph + N / 50h
Rated Amps (AS/NZS3823.1.2)		40
Full Load Amps (AS/NZS3823.1.2) Outdoor / Indoor / Total		52.69 / 8.71 / 61.4
Circuit Breaker Amps (Suggested)		63.00
IP Rating	Outdoor	IP44
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 x2
Airflow Indoor (l/s)	Maximum	6000
	Nominal	5000
	Minimum	2250
Package Dimensions (mm)	Depth	2960
	Height	2400
	Width	2260
Nominal Weight (kgs)	Package	1473
Sound Pressure Level (dBA)	Outdoor (Quiet / Rated / Tru-Max)	61.0 / 68.0 / 69.0
Sound Power Level	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
- Economiser with Spill Air
- Economiser without Spill Air
- 3rd Party Economiser Control
- Condensate Indoor Overflow Sensor
- Supply Air Temperature Sensor
- Variable Fan Technology
- Weather Hood
- Compressor Jacket
- CO2 Sensor (CCO2-MOD)
- Duct Sensor (AERSS)
- Wall Mount Remote Sensor (LM-RS)
- Humidity Sensor Surface/Duct Mount
- Up to 32 handing options

### 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.