

Genesis Package 72-96kW

Redefining the Future of Commercial Comfort

Practical Innovation for Commercial Comfort.

GENESIS isn't just another system—it's a smarter, more efficient way to keep Australian commercial spaces comfortable. Built for today's demands and tomorrow's challenges, GENESIS delivers reliable performance, energy savings, and sustainability—all in one powerful package.



Smarter Airflow, Bigger Energy Savings.

The new 72 ~ 96kW GENESIS Packaged Units feature high-static EC Plug Fans that deliver powerful airflow for demanding applications—up to 500Pa of external static pressure. Not only do they handle tough jobs with ease, they're also built for efficiency—using up to 20% less energy than AC Plug Fans and up to 50% less than traditional belt-driven fans.



Built for Aussie Conditions

Built to handle our country's toughest weather extremes, GENESIS Package units deliver reliable comfort from -15°C up to 57°C.



Inverter Scroll Compressors

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



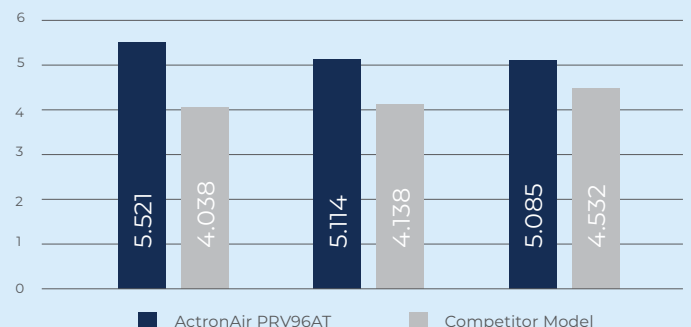
Humidity Control with Dry Mode

Enhances indoor comfort with Dry Mode, by lowering absolute humidity.

Redefining Efficiency, Outperforming the rest.

The GENESIS 72 ~ 96kW Packaged Units set a new benchmark with significantly higher Seasonal Energy Efficiency Ratios (SEER) compared to competitors. By using less energy to deliver more performance, GENESIS helps reduce operating costs while improving overall efficiency.

COMMERCIAL TOTAL COOLING SEASONAL PERFORMANCE FACTOR [TCSPF]

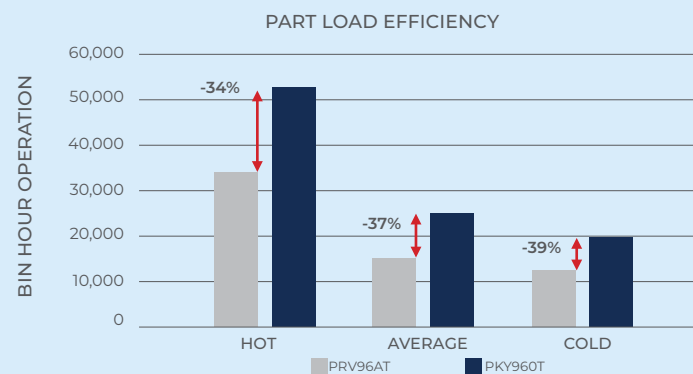




- 1 High Static Condenser EC Fans**
Not only do these high static EC fans offer exceptional efficiency, but they also deliver a quieter performance. They are specifically designed to provide the rated outdoor airflow up to 90Pa.
- 2 Dual Inverter Compressors**
Offering precise temperature control to maintain consistently comfortable indoor conditions. By dynamically adjusting to demand, they minimise energy consumption while maximising efficiency, reducing running costs without compromising on comfort.
- 3 R32 Leak Detection Sensor**
The built-in R32 Leak Detection Sensor enhances safety by quickly and accurately detecting refrigerant leaks. Designed for long-term reliability, it self-monitors for up to 15 years, providing continuous protection and peace of mind.
- 4 Double-Sloped Main Drain Tray**
The main drain tray features a clever double-slope design, which greatly improves drainage efficiency and helps prevent water buildup within the unit.
- 5 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
- 6 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.
- 7 Condensate Drain**
The outdoor unit's integrated condensate drain ensures efficient removal of excess moisture, helping to prevent water buildup, protect components, and maintain reliable performance in all conditions.
- 8 High Static EC Plug Fans**
Designed for demanding applications, High Static EC Plug Fans deliver precise airflow control up to 500Pa, offering quieter operation, improved energy efficiency, and greater flexibility for commercial installations.
- 9 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 72 ~ 96kW series is built to perform efficiently under real conditions, delivering up to 39% energy savings at partial load. Since commercial systems often operate below peak capacity, GENESIS is optimised to run smarter during off-peak times—cutting energy use without compromising comfort.



* 3 Climate Zones referenced - Hot, Average & Cold along with bin hour operations in each of these climate zones, providing us data on two variables - different climates and part load vs full load

GENESIS 72 ~ 96kW PACKAGE

Engineered to Perform, Built to Last.

Specification Tables

Features	
Tru-Inverter Variable Speed Compressor & Drive Technology	On-Site Interchangeable Panels (front & side)
Pre-charged with R32 Refrigerant	Hydrophilic Blue Fin Coat Coil Protection - Indoor & Outdoor
Variable Speed ECM Axial Fan	Powder Coated Outdoor Unit with removable Louvred Coil Guard
ECM High Efficiency Indoor & Outdoor Fan Motor	Adjustable Indoor Airflow
Bi-Flow Electronic Expansion Valves	Built-In Leak Detection Sensor
Low Ambient Cooling Operation to +5°C	Bluetooth Commissioning Tool (BCT)
Adaptive Demand Defrost	Manual Inputs Capable for Third Party Control
25mm Foil Faced Polyethylene Insulation	Dry Mode via NEO Controller

Options	
Additional Outdoor Coil Coat Protection	Variable Fan Technology
Additional Indoor Coil Coat Protection	Weather Hood
Economiser with Spill Air	Compressor Jacket
Economiser without Spill Air	CO2 Sensor (CCO2-MOD)
3rd Party Economiser Control	Duct Sensor (AERSS)
Condensate Indoor Overflow Sensor	Wall Mount Remote Sensor (LM-RS)
Supply Air Temperature Sensor	Humidity Sensor Surface/Duct Mount
Up to 32 Handing Options	BMS Compatibility
Desuperheater (Hot Water Heat Reclaim)	Controls - LC7 / NEO / Group Controller

Installation Information				
Model		PRV72AT	PRV85AT	PRV96AT
Refrigerant Factory Charge (grams)	Circuit 1	8750	10300	14250
	Circuit 2	8750	11120	14500
Condensate Drain Connection Size		25.4mm ID BSP		
Air Duct Connection (H X W)	Supply Duct	379 x 1500	464 x 1576	
	Return Duct	379 x 1500	464 x 1576	

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 72 ~ 96kW PACKAGE

Tailored Comfort, Built for Businesses

Specification Table

Technical Specifications				
		PRV72AT	PRV85AT	PRV96AT
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Min/Rated/ Tru-Max)	13.10 / 72.00 / 78.65	13.58 / 85.00 / 93.00	17.48 / 96.00 / 106.2
	Heating (Min/Rated/Tru-Max)	12.20 / 73.00 / 80.30	13.29 / 86.00 / 94.00	16.57 / 97.00 / 109.0
Input Power (kW) (AS/NZS3823.1.2)	Cooling	20.16	20.81	25.90
	Heating	19.07	23.915	25.05
¹ EER	Rated	3.57	3.29	3.71
	Tru-Max	3.46	2.91	3.33
² COP	Rated	3.83	3.59	3.87
	Tru-Max	3.81	3.73	3.34
Power Supply		400V / 3Ph + N / 50Hz		
Seasonal Performance - Commercial	TCSPF - Cold / Avg. / Hot	6.089 / 5.415 / 5.292	6.909 / 5.728 / 5.426	5.521 / 5.114 / 5.085
	HSPF - Cold / Avg. / Hot	3.181 / 3.825 / 4.343	3.330 / 3.871 / 4.184	4.331 / 3.809 / 3.172
Rated Amps (AS/NZS3823.1.2)		31.7	39.6	40
Full Load Amps (AS/NZS3823.1.2) Outdoor / Indoor / Total		48.90 / 5.00 / 48.90	61.6 / 8.33 / 61.6	52.69 / 8.71 / 61.4
³ Circuit Breaker Amps (Suggested)		63.0	63.0	63.0
IP Rating		IP44		
Compressor	Type / No. per Unit	Inverter Variable Speed Scroll / 2		
	Starting Method	Inbuilt Soft Starting		
No. of refrigeration Circuits / No. Capacity Stages (Capacity range)		2 / Variable Capacity		
Refrigerant		R32		
Fans (Type x Number per unit)	Outdoor	Variable Speed ECM Axial Fan x 2		
	Indoor	Variable Speed EC Plug Fan x1	Variable Speed EC Plug Fan x 2	
Airflow Range Indoor (l/s)	Maximum	1700	2000	6000
	Nominal	3800	4450	5000
	Minimum	4500	5350	2250
Unit Dimensions (mm)	Depth	2375	2960	2960
	Height	1910	2400	2400
	Width	2260	2260	2260
⁴ Nominal Weight (kgs)		1026	1283	1473
⁵ Sound Pressure Level (dBA)	Outdoor (Quiet / Rated / Tru-Max)	63.6 / 70.2 / 70.2	63.7 / 69 / 69	61.0 / 68.0 / 69.0
⁶ Sound Power Level (dBA)	Outdoor (Quiet / Rated / Tru-Max)	80.6 / 87.2 / 87.2	80.7 / 86 / 86	77.5 / 84.5 / 85.6
Operating Range	Cooling °C	5°C ~ 57°C		
	Heating °C	-15°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.

