

GENESIS: A Smarter Start to a Sustainable Future

Where innovation and purpose come together to elevate air conditioning for Australia's commercial spaces. Designed to meet today's needs and tomorrow's opportunities, GENESIS offers more than just a product—it's a commitment to delivering smarter, more efficient solutions. Grounded in sustainability and built for reliable performance, GENESIS ushers in a new era of practical, forward-thinking air conditioning.



-10°C up to 52°C
OPERATING RANGE



**HIGH
EFFICIENCY**



**TRU-INVERTER
TECHNOLOGY**



**EC
FANS**



**SMART
LOGIC**

Rated Cooling Capacity - Three Phase - Tru-Inverter

14.80 kW 17.00 kW

PRV15BT-T

PRV17BT-T



*Image of PRV17BT-T GENESIS

Features

- » Tru-Inverter™ Variable Speed Compressor and Drive Technology
- » 40-100% Superior Refrigeration Operating Capacity Range
- » EC High Efficiency Indoor and Outdoor Fan Motor
- » Pre-charged with Low GWP R-32 Refrigerant
- » ECM Variable Speed Outdoor Fans
- » Adaptive Demand Defrost
- » 25mm Foil Faced Polyethylene Insulation
- » Low ambient cooling operation to +5 degree
- » Fault and Run Indication - Relay Output
- » Up to 3 Wall Controllers and 2 Remote Temperature Sensors
- » Compressor Soft Start via Variable Speed Drive Control
- » Hydrophilic Blue Fin Coil Coat Protection - Indoor and Outdoor Coils
- » Bi-Flow Electronic Expansion Valve
- » Powder Coated Outdoor Unit with Louvred Coil Guard
- » Adjustable Indoor Airflow plus Reduce Fan Airflow Feature

Compressor

- » True-Inverter Variable Speed Compressor

Power

- » Three phase – 400V / 3Ph + N / 50Hz

Controller Options

- » LC7-2
- » Group Control
- » NEO

Connectivity & Sensor Options

- » BMS Compatible – Modbus
- » CO2 Sensor*
- » Temperature Sensor – Bead or Surface Mount

Additional Options

- » Vertical Discharge Evaporator
- » Coil Coat Indoor & Outdoor

*Requires Group Control.

Technical Specifications

Technical Information			
		Three Phase	
		PRV15BT-T	PRV17BT-T
¹ Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling	14.80	17.00
	Heating	15.00	17.60
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Min/Rated/ TRUMAX)	4.49 / 14.80 / 16.50	4.65 / 17.00 / 18.80
	Heating (Min/Rated/ TRUMAX)	4.48 / 15.00 / 17.50	5.30 / 17.60 / 19.10
Input Power (kW) (AS/NZS3823.1.2)	Cooling	4.42	4.99
	Heating	4.08	4.69
² EER Rated (AS/NZS3823.1.2)	Cooling	3.34	3.40
³ COP Rated (AS/NZS3823.1.2)	Heating	3.67	3.75
Power Supply - (V / Ph / Hz)		400V / 3Ph + N / 50Hz	
Rated Amps (AS/NZS3823.1.2)		9.0	9.9
Full Load Amps (AS/NZS3823.1.2)		13.8	15.2
⁴ Circuit Breaker Amps (Suggested)		16.0	
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 Motor / Direct x 2	
	Indoor	Twin Deck Centrifugal / ECM Direct Drive x 1	
Airflow Range Indoor (l/s)	Maximum	920	1060
	Nominal	770	890
	Minimum	620	710
Unit Dimensions (mm)	Depth	1136	
	Height	1166	
	Width	1523	
⁵ Nominal Weight (kgs)		233	242
⁶ Sound Pressure Level (dBA)	Outdoor (Quiet / Rated / Tru-Max)	47.3 / 56.0 / 56.1	47.4 / 55.9 / 55.9
⁷ Sound Power Level (dBA)	Outdoor (Quiet / Rated / Tru-Max)	47.2 / 55.9 / 55.9	47.5 / 56.0 / 56.1
MEPS Certified		Yes	
⁸ Demand Response Capability (AS4755.3)		Capable	

Foot Notes 1-8

- Based on unit rating excluding indoor fan kW.
- EER Rated = Energy Efficiency Ratio (Rated Capacity Cooling / Rated Input Cooling).
- COP Rated = Coefficient of Performance (Rated Capacity Heating / Rated Input Heating).
- 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.
- Refer to Catalogue Unit Weight Distribution Guide section for details of weight points.
- Sound Pressure Level at 3m distance is determined as the measured sound pressure at 3m perpendicular to the coil side of the condenser. Sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions.
- Measured based on ISO 3743-1, Determination of Sound Power Levels and Sound Energy Levels of Noise Sources Using Sound Pressure.
- When Demand Response capability is chosen, the air conditioner will fully comply.

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 nett values.
- Specifications subject to change without notice.

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

Warranty:

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

Technical Specifications

Features		
	PRV15BT-T	PRV17BT-T
LC7-2W (White) or LC7-2G (Grey) Wall Controller	Optional	Optional
2nd and 3rd Wall Controller	Optional	Optional
NEO Touch Wall Controller (Up to 2)	Optional	Optional
Blue Epoxy Coat Coil Fin Protection - Indoor & Outdoor Coils	Standard	Standard
Remote Temperature Sensor	Optional	Optional
Remote ON / OFF Capability	Standard	Standard
Manual Inputs Capable for Third Party Control	Standard	Standard
Phase Sequence Protection	Standard	Standard
Close Cell Foil Faced Insulation	Standard	Standard
Removable louvre guard protection for easy cleaning	Standard	Standard
Fault Indication	Standard	Standard
Low Ambient Cooling (+5°C)	Standard	Standard
BMS Compatibility	Optional	Optional
Compressor Sound Jacket	Optional	Optional
Compressor Soft Start via VSD Controller	Standard	Standard
Turbo Mode	Standard	Standard

Variations		
K - Coil Protection (Outdoor)	Optional	Optional
L - Coil Protection (Indoor)	Optional	Optional
Z - Compressor 3-Phase Soft Starter (Outdoor Unit)	N/A	N/A
V - Vertical Discharge Fan Coil	Optional	Optional

Installation Information		
Refrigerant Factory Charge - (g)	2450	2730
Condensate Drain Connection - Size	25 mm ID BSP	
Air Duct Connection	Supply Duct H x W - (mm)	200 x 740 mm
	Return Duct H x W - (mm)	348 x 1100 mm