CLASSIC SERIES 2

Tried, tested and trusted performance.

Built to last, for over two decades the Classic series has earned a reputation for providing easy to use, reliable comfort.

Unlike conventional inverter systems, which can take between 5 and 10 minutes to get to full capacity, the Classic can get to maximum capacity almost immediately, helping get your comfy fast.

And with 85% more capacity at 46°C than conventional inverter systems, the Classic is engineered to withstand that most extreme conditions that Australia can throw at it.

Guaranteed to perform up to 50°C

From zero to comfort – instantly

Operates with 85% more capacity at 46°C

Nett (Rated) Capacity - Cooling - Single Phase

10.16 kW CRA100S/EVA100S	12.24 kW CRA130S/EVA130S	14.97 kW CRA150S/EVA150S
16.80 kW CRA170S/EVA170S		

Nett (Rated) Capacity - Cooling - Three Phase

12.40 kW CRA130T/EVA130S	14.68 kW CRA150T/EVA150S	16.99 kW CRA170T/EVA170S
19.06 kW CRA200T/EVA200S	22.35 kW CRA230T/EVA230S	

That's better. That's Actron.

ActronAir

CLASSIC SERIES 2

Features

» Vertical Discharge
» Blue fin epoxy coated indoor + outdoor coil protection
» BMS Option
» Sound Reduction System
» Efficient EC Inverter Indoor Fan
» R410A refrigerant
» 8 zones integrated as standard
» Up to 6 temperature sensing points
» Low ambient cooling^

Compressor

» Compliant Scroll

Power

» Single phase – 230V + N / 50Hz
» Three phase – 400V + N / 50Hz

Controller Options

» LC7
» Group Control
» LR7
» NEO

Connectivity & Sensor Options

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

Additional Options

» Economy Cycle*
» Vertical Evaporator
» 2 Piece Evaporator
» Horizontal Condenser Fan
» 3 Phase Soft Starter†
» Phase Sequence Protection Relay
» Coil Coat Indoor & Outdoor

Zoning

» Day Night
» Individual Room (no Variable Fan Technology)

** Requires Group Control.*
† All models except "Single Phase" models.
^ All models except the CRA100S/EVA100S.

CLASSIC SERIES 2

Technical Specifications - Classic Split Ducted Standard Cycling 10.16-22.35kW

Technical Information

		Single Phase				Three Phase				
OUTDOOR MODEL		CRA100S	CRA130S	CRA150S	CRA170S	CRA130T	CRA150T	CRA170T	CRA200T	CRA230T
INDOOR MODEL		EVA100S	EVA130S	EVA150S	EVA170S	EVA130S	EVA150S	EVA170S	EVA200S	EVA230S
[1]Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Rated)	10.56	12.75	15.29	17.38	13.00	15.27	17.56	19.69	22.95
	Heating (Rated)	10.12	11.69	14.84	17.02	11.85	14.45	17.38	18.75	22.30
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling	10.16	12.24	14.97	16.80	12.40	14.68	16.99	19.06	22.35
	Heating	10.62	12.17	15.12	17.57	12.30	15.00	17.92	19.34	23.00
Input Power (kW) (AS/NZS3823.1.2)	Cooling	3.08	3.75	4.56	5.15	3.68	4.43	5.04	5.86	6.59
	Heating	2.96	3.34	4.16	4.76	3.24	3.95	4.58	5.23	6.15
[2]EER Rated (AS/NZS3823.1.2)	Cooling	3.30	3.26	3.28	3.26	3.37	3.31	3.37	3.25	3.39
[3]COP Rated (AS/NZS3823.1.2)	Heating	3.59	3.64	3.63	3.69	3.80	3.80	3.91	3.70	3.74
Power Supply (V/Ph/Hz)	Outdoor	230V/1Ph + N/50Hz				400V / 3Ph + N / 50Hz				
	Indoor	230V/1Ph + N/50Hz				230V / 1Ph + N / 50Hz				
Rated Load Amps (AS/NZS3823.1.2)	Outdoor/Indoor/ Total	10.9/2.8/13.7	13.9/3.8/17.7	17.7/2.5/20.2	19.7/4.3/24.0	6.3/4.2/10.5	7.1/4.2/11.3	8.7/4.1/12.8	9.0/4.5/13.5	12.0/4.8/16.8
Full Load Amps (AS/NZS3823.1.2)	Outdoor/Indoor/ Total	20.5/3.5/24.0	23.1/4.3/27.4	24.0/4.3/28.3	30.7/4.3/35.0	8.3/4.3/12.6	11.7/4.3/16.0	12.3/4.3/16.6	13.9/5.9/19.8	15.9/6.4/22.3
[4]Circuit Breaker Amps		25.0	32.0	32.0	40.0	16.0	20.0	20.0	20.0	25.0
IP Rating	Outdoor	IP44								
	Indoor	IP20								
Compressor	Type/No. per Unit	Compliant Scroll/1								
	Starting Method	Soft Starter				D.O.L.				
No. Refrigeration Circuits/No. Capacity Stages (Capacity range)		1/1 (100% capacity)								
Refrigerant		R410A								
Fans (Type x Number per unit)	Outdoor	Axial/6 Pole External Rotor/Direct Drive x 2								
	Indoor	Single Deck Centrifugal / ECM Direct Drive x 1	Twin Deck Centrifugal/ECM Direct Drive x 1							
Airflow Range Indoor (l/s)	Maximum	575	750	880	900	750	880	900	1150	1380
	Nominal	500	650	770	850	650	770	850	1000	1200
	Minimum	425	590	690	770	590	690	770	900	1020
External Static Pressure (Pa) at:	Maximum Airflow	62	120	120	116	120	120	116	146	139
	Nominal Airflow	141	206	218	164	206	218	164	188	225
Outdoor Dimensions (mm)	Depth	535	580	580	580	580		580		685
	Height	940	990	990	1045	990		1045		1105
	Width	1245	1320	1320	1460	1320		1460		1685
Indoor Dimensions (mm)	Depth	595	615	615	615	615			680	695
	Height	410	412	412	412	412			435	485
	Width	850	1090	1290	1290	1090	1290		1420	1470
[5]Nominal Weight (kgs)	Outdoor	121	132	133	156	130	132	155	158	195
	Indoor	37	49	53	56	49	53	56	72	78
[6]Sound Pressure Level (dBA)	Outdoor (low/med/high fan)	48.0/ - /50.8	45.3/48.5/52.0		50.4/51.3/53.1	45.3/48.5/52.0		50.4/51.3/53.1		44.4/48.3/58.4
[7]Sound Power Level (dBA)	Outdoor (low/med/high fan)	68.6/ - /70.5	66.3/68.4/71.5		69.8/70.7/73.1	66.3/68.4/71.5		69.8/70.7/73.1		65.6/68.9/78.5
MEPS Compliant		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
[8]Demand Response Capability (AS4755.3)		Capable	Capable	Capable	Capable	Capable	Capable	Capable	Capable	Capable

Foot Notes 1-8

1. Based on unit rating excluding indoor fan kW.
2. EER Rated = Energy Efficiency Ratio (Rated Capacity Cooling / Rated Input Cooling).
3. COP Rated = Coefficient of Performance (Rated Capacity Heating / Rated Input Heating).
4. Refer to AS/NZS 3000 "Australian/New Zealand Wiring Rules" for more details.
5. Refer to Catalogue Unit Weight Distribution Guide section for details of weight points.
6. 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.
7. Measured based on ISO 3743-1, Determination of Sound Power Levels and Sound Energy Levels of Noise Sources Using Sound Pressure.
8. Third party inputs and Remote ON/OFF functions will be lost if Demand Response outdoor board is installed.

CLASSIC SERIES 2

Controller Specifications

Control Options	
L Series Wall Controller - LR7-1W (White) or LR7-1G (Grey)	Up to 3
NEO Touch Wall Controller - NTW-1000 (White) or NTB-1000 (Black)	Up to 2
Remote Sensors	Up to 3
BMS and Home Automation Compatibility (ICUNO-MOD)	Optional

L Series

Specifications	
Compatible with ActronAir Series	Advance Series, Classic Series 2, Variable Capacity Commercial
Screen	Enhanced LED backlight, segment display
Temperature Sensor	Yes
Dimensions (mm)	130mm x 130mm x 14.4mm (HxWxD)

NEO Touch Wall Controller

Specifications	
Compatible with ActronAir Models	Advance Series, Classic Series 2, Variable Capacity Commercial
Screen	7" Touchscreen, 1024x600, IPS - Wide viewing angle, enhanced backlight
Wi-Fi compatibility	802.11 b/g/n 2.4 GHz
Temperature Sensor	Yes
Humidity Sensor	Yes
Proximity/Light Sensor	Yes
Dimensions (mm)	118mm x 212mm x 17mm (HxWxD)

NEO Connect Mobile App

Specifications	
Compatible with ActronAir Models	NTW-1000, NTB-1000
Platform	iOS and Android
OS Requirements	**iOS** 9 or later – **Android** Version 6 Marshmallow or later
Connection Requirements	Wi-Fi or Mobile Data with Internet access

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

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