PRODUCT RANGE

ActronAir®

Australian for air conditioning™

ActronAir
Australian for air conditioning

The ActronAir range of air conditioners provides a solution for most applications.

From domestic to commercial applications, you'll find a system that is most appropriate for your needs.

And when you choose the comfort of an ActronAir system, you have the latest and the most innovative technology at your fingertips.

Variable Capacity
Wall Split System Pages 6-7

Split Ducted Standard Cycling
Classic Pages 8-13

Split Ducted Variable Capacity
ESP Plus
ESP Ultima Pages 14-17

Split Ducted Variable Capacity
ESP Platinum Plus
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Features

Variable Capacity
Ability to vary the capacity of a compressor, allowing better temperature control and operating costs, whilst reducing energy consumption.

Variable Fan Technology
Adjusts the airflow based on the requirements of each zone

Variable Air Volume Technology
Delivers individual temperature zone control in up to 8 zones

Louvre Grille
External louvre grille protection for improved durability

Coil Protection
An external coil protection for improved durability and corrosion resistance

Vertical Discharge
Enables installation in confined space & minimises re-circulated air

Multi-Directional Air Flow
4-way automatic multi-directional airflow for improved air circulation.

Follow Me
'Follow Me' function uses remote control as a secondary temperature sensor for improved temperature control.

Sleep Mode
Sleep Program automatically adjusts temperature for better comfort during sleep time.

Turbo
Turbo function delivers faster cooling or heating.

Indoor Fan Type

Centrifugal Fan
Centrifugal forward curved fan for optimum air movement

ECM Fan
Centrifugal forward curved fan that uses an EC (Electronic Commutated) motor for superior air movement control, improved energy efficiency and easier commissioning

EC Plug Fan
Centrifugal backward curved fan that uses an EC (Electronic Commutated) motor for improved energy efficiency, faster commissioning and flexibility in air handing options

Electrical

Single Phase Electrical Supply
230V Power Supply with Neutral and Earth connections

Three Phase Electrical Supply
400V Power Supply with Neutral and Earth connections

Compressors

Scroll Compressor
Axial and radial compliant scroll compressor for improved performance and durability

Digital Scroll Compressor
Variable capacity compressor ranging from 10 to 100% for improved comfort control and energy efficiency

Tri-capacity Scroll Compressors
Used in commercial air conditioners, allowing 3 capacity stages (~33%, 66% and 100% compressor capacity) for improved building load matching and efficiency

Inverter Rotary Compressor
Rotary compressor for reliable operation all year round.

Tru-Inverter Compressor
Variable capacity compressor ranging from 20-100% for improved comfort and energy efficiency.

Variable Speed
Dual Variable Speed Compressors with Inverter Technology for faster cooling or heating.

Outdoor Fan Type

Low Noise Axial Fan
Low noise Axial Fan for quieter operation

EC Outdoor Fan
Outdoor fan that uses an EC (Electronic Commutated) motor for energy efficient operation

Operating Range

Cooling up to 50°C DB
Heating down to -15ºC DB

Cooling up to 50°C DB
Heating down to -10ºC DB

Cooling up to 52°C DB
Heating down to -10ºC DB

Cooling up to 50°C DB

Tru-Inverter™

Tru-Inverter™ variable speed compressor and drive technology

- Delivers fastest heating & cooling
- Stepless inverter
- Variable capacity 20-100%
- Tru-Max™ operation for powerful heating and cooling
- Best in class seasonal energy efficiency for lowest running costs
- Four times quieter at part load operation
- Delivers precise temperature control within ±0.3º of the set point
- Superior operating range:
  Cooling: up to 50ºC DB
  Heating: down to -15ºC DB
- In built active power factor correction and minimal in-rush current reduces load on the power grid, stress on compressor and eliminates the need for a soft starter.

Next Generation Inverter Technology

Next Generation Inverter Technology

- Turn down ratio up to 4:1, capacity range 25-100%.
- Unique compressor start up program reduces start-up noise and mechanical stress and improves reliability.
- Optimised algorithms improves part-load energy efficiency.
- Full compressor operation at 50°C ambient conditions.
- In built compressor run-time equalisation.
- In built compressor protection reduces downtime.
- In built active power factor correction and minimal in-rush current reduces load on the power grid, stress on compressor and eliminates the need for a soft starter.
- Two stage system allows for a 50% redundancy.

HERCULES

Variable Air Flow Technology

High efficiency EON Neo EC fan technology

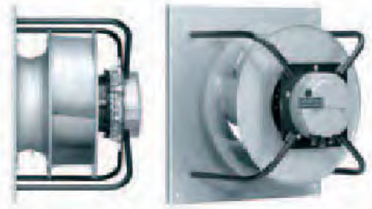
- Variable fan automatically adjusts to deliver just the right amount of airflow to different zones
- Significantly reduces energy consumption
- 20% more efficient than a DC motor
- Learns Ducting and Zoning System
- One zone operation without a dump zone
- Quiet and smooth operation transition
- No start up or stopping noise
- 85% more efficient when operating at a minimum speed

ESP ULTIMA

EC Plug Fan

Indoor Fan

- Variable air-flow for improved efficiency and comfort.
- Program control feature for exact airflow requirements.
- High Static easily achieved (up to 500Pa).
- Significant time saved for onsite commissioning.
- Eliminates belt dust and belt adjustment providing a cleaner environment and lowers operational maintenance cost.
- Automatic compensation for loaded filters to deliver constant airflow requirements.
- Improved occupant comfort.



TRI-CAPACITY HERCULES

ActronConnect™

Wireless Control of your ActronAir® ducted air conditioner

- Compatible with all ActronAir reverse cycle ducted models up to 23kW
- Internet connectivity required
- Mimic Logic with master wall controller
- Turn individual zones on or off
- Dynamic Colour Display
- 24 hour ON/OFF timer
- Mode settings
- Fan speed control

connect

EC Axial Fan

Outdoor Fan

- EC Outdoor Fans deliver improved performance and efficiency when compared to AC technology.
- EC motors perform with an efficiency of up to 90%.
- Delivers low ambient cooling,ducted discharge with up to 125Pa and full performance operation at 50°C.

HERCULES

Product Line Up & Total Capacity kW

3kW 5kW 7kW 9kW 12kW 15kW 17kW 20kW 23kW 25kW 30kW 40kW 47kW 62kW 70kW 85kW 96kW 140kW 170kW 200kW

Wall Split System Variable Capacity Inverter		INVERTER With full DC Inverter technology, the Aurora wall split system delivers improved energy efficiency and reduced running costs.	1 SINGLE PHASE
Split Ducted Standard Cycling Classic		CLASSIC The SRA range operates at 100% capacity to deliver maximum performance in all seasons. The SCA range is available in single stage (100% capacity) or two stage (50% & 100% capacity) operation for improved comfort, performance and reliability.	1 SINGLE PHASE 3 THREE PHASE
Split Ducted Variable Capacity ESP Plus®		ESP Plus® Incorporates digital variable capacity (10-100%) operation for improved temperature control and energy efficiency, along with Variable Fan Technology (VFT) to deliver further energy efficiency.	1 SINGLE PHASE 3 THREE PHASE
Split Ducted Variable Capacity ESP Ultima™		ESP ULTIMA ESP Ultima™ Combines the energy efficiency of VFT with Variable Air Volume (VAV) technology for individual temperature control of up to 8 zones.	1 SINGLE PHASE 3 THREE PHASE
Split Ducted Variable Capacity ESP Platinum Plus		ESP+ ESP Platinum Plus incorporates Tru-Inverter™ variable capacity (20-100%) operation for improved temperature control and energy efficiency, along with Variable Fan Technology (VFT) to deliver further energy efficiency.	1 SINGLE PHASE
Split Ducted Variable Capacity ESP Platinum Ultima™		ESP ULTIMA ESP Platinum Ultima™ combines all the benefits of ESP Platinum Plus with Variable Air Volume (VAV) technology for individual temperature control of up to 8 zones.	1 SINGLE PHASE
Split Ducted Tri-Capacity		TRI-CAPACITY This unique technology delivers 3 capacity stages (~33, 66, 100% capacity) for improved comfort, efficiency and performance. Designed with 'dial-up' airflow features for ease of commissioning.	3 THREE PHASE
Add On Air Conditioning		Designed for use with gas ducted heating systems.	1 SINGLE PHASE 3 THREE PHASE
Package Units Standard Cycling		Incorporating scroll compressor technology in single stage (100% capacity) or two stage (50 & 100% capacity) operation for improved comfort, performance and reliability.	3 THREE PHASE
Package Units Tri-Capacity		TRI-CAPACITY This unique technology delivers 3 capacity stages (~33, 66, 100% Capacity) for improved efficiency, performance and reliability. Designed with 'dial-up' airflow features for ease of commissioning.	3 THREE PHASE
Package Units Variable Capacity Hercules		HERCULES Hercules™ delivers world class seasonal efficiency, performance, comfort and control. In an Australian first, Hercules™ incorporates variable capacity inverter technology, EC fan technology and a state of the art controls platform to high capacity packaged units.	3 THREE PHASE
Vertical Package Units Variable Capacity		High performance units designed for high ambient operations, delivering fast and efficient temperature control.	3 THREE PHASE

ActronAir

AURORA

SINGLE PHASE · SLEEP MODE · MULTI DIRECTIONAL AIR FLOW · COIL PROTECTION · SELF CLEANING · FOLLOW ME · ROTARY COMPRESSOR · TURBO MODE · INVERTER

superior operating range 50°C -15°C

Features

- Reverse cycle wall split system
- Superior operating range:
  Cooling: up to 50ºC DB
  Heating: down to -15ºC DB
- Quiet Operation
- Auto Restart
- Turbo Mode
- 24 hour timer on/off
- 4-way multi-directional airflow (SWB52-82E)
- HEPA-BIO filter
- Demand Response Enabled
- Remote on/off
- Dry mode operation
- Sleep program
- Fan Speed Auto, Low, Med, High
- Follow Me Function
- Powder Coated Panels
- Epoxy coated coil protection to evaporator and condenser
- Self Clean Function
- Conformal Coated PCB

Technical Information

OUTDOOR MODEL		SWB26C	SWB36C	SWB52C	SWB70C	SWB82C
INDOOR MODEL		SWB26E	SWB36E	SWB52E	SWB70E	SWB82E
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling (min-max)	2.60 (1.37-2.80)	3.60 (1.90-3.90)	5.20 (2.70-5.30)	7.00 (3.80-7.40)	8.20 (4.45-8.40)
	Heating (min-max)	2.90 (1.48-3.00)	3.80 (2.14-4.20)	5.50 (3.05-5.90)	7.60 (4.00-7.80)	9.30 (5.00-9.50)
Input Power (kW) (AS/NZS3823.1.2)	Cooling Rated	0.67	0.94	1.62	2.23	2.58
	Heating Rated	0.79	1.03	1.77	1.93	2.59
[1] EER Rated (AS/NZS3823.1.2) [2] COP Rated (AS/NZS3823.1.2)	Cooling Rated	3.88	3.83	3.21	3.14	3.18
	Heating Rated	3.67	3.69	3.11	3.94	3.59
Star Rating (AS/NZS3823.2)	Cooling	★★★	★★★	★½	★½	★½
Star Rating (AS/NZS3823.2)	Heating	★★½	★★½	★½	★★★	★★½
Power Supply (V / Ph / Hz)		220-240V / 1Ph + N / 50Hz				
Rated Load Amps (AS/NZS3823.1.2)	Cooling	3.1	4.4	7.5	10.2	11.8
Rated Load Amps (AS/NZS3823.1.2)	Heating	3.7	4.8	8.2	8.8	11.8
Full Load Amps (AS/NZS3823.1.2)		9.5	12.0	13.0	13.5	15.0
Moisture Removal (L/hr)		1.0	1.2	1.8	2.6	3.0
Suggested Minimum Mains Cable Size◊		2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²
Suggested Minimum Indoor to Outdoor Cable Size		1mm² 4 Core + Earth	1mm² 4 Core + Earth	1mm² 4 Core + Earth	1mm² 4 Core + Earth	1mm² 4 Core + Earth
IP Rating	Outdoor	IP44	IP44	IP44	IP44	IP44
	Indoor	IPXO	IPXO	IPXO	IPXO	IPXO
Compressor		Rotary	Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Refrigerant		R410a				
Airflow Range Indoor (l/s)	Turbo	180	208	319	417	417
	High	167	194	306	403	403
	Medium	144	167	239	356	356
	Low	111	133	200	242	242
	Quiet	69	75	133	147	147
Outdoor Dimensions (mm)	Depth	285	285	320	315	315
	Height	590	590	700	860	860
	Width	760	760	845	900	900
Indoor Dimensions (mm)	Depth	198	198	218	258	258
	Height	280	280	315	340	340
	Width	750	835	990	1186	1186
Nominal Weight (kgs)	Outdoor	34	41	46	58	59
	Indoor	7.6	9	12	17.5	17.5
Indoor Sound Pressure Level	(quiet/low/med/high)	23/27/34/40	26/31/38/43	28/33/40/48	29/36/45/50	29/36/45/50
[3] Outdoor Sound Pressure Level (dBA)		54	55	59	60	60
[4] Outdoor Sound Power Level (dBA)		62	64	68	69	69
Outdoor Operating Range (ºC)	Cooling	-15ºC to 50ºC				
	Heating	-15ºC to 30ºC				
MEPS Certified		Yes	Yes	Yes	Yes	Yes

Control Features

OUTDOOR MODEL		SWB26C	SWB36C	SWB52C	SWB70C	SWB82C
INDOOR MODEL		SWB26E	SWB36E	SWB52E	SWB70E	SWB82E
Remote Controller		RG35-A	RG35	RG35	RG35	RG35
Follow Me Function		Yes	Yes	Yes	Yes	Yes
Sleep		Yes	Yes	Yes	Yes	Yes
Turbo		Yes	Yes	Yes	Yes	Yes
Self Clean		Yes	Yes	Yes	Yes	Yes
Timer On/Off		Yes	Yes	Yes	Yes	Yes
Dehumidification		Yes	Yes	Yes	Yes	Yes
Multi-directional Airflow	Up - Down	Automatic	Automatic	Automatic	Automatic	Automatic
	Left - Right	Manual	Manual	Automatic	Automatic	Automatic
Hydrophilic Aluminium Coil Protection	Indoor	Yes	Yes	Yes	Yes	Yes
	Outdoor	Yes	Yes	Yes	Yes	Yes
Louvre Memory		Yes	Yes	Yes	Yes	Yes
Demand Response Enabled		Yes	Yes	Yes	Yes	Yes
12 Speed Auto Fan		Yes	Yes	Yes	Yes	Yes
Quiet Mode		Yes	Yes	Yes	Yes	Yes
Auto Restart		Yes	Yes	Yes	Yes	Yes
Blue Fin Coils		Yes	Yes	Yes	Yes	Yes
Remote On/Off		Yes	Yes	Yes	Yes	Yes
Left-Right Hand Drain Connection		Yes	Yes	Yes	Yes	Yes

Field Piping and Connections

Refrigerant Charge	Factory Charge - (g)	1170	1230	1550	2350	2430
	Pre-Charge Length - (m)	5	5	5	5	5
	Additional Refrigerant Charge - (g/m)	20	20	20	40	40
Maximum Field Pipe Length Range - (m)		20	20	20	25	25
Maximum Vertical Height Differential (m) included in max length		8	8	8	10	10
Field Pipe Size	Liquid Pipe - mm (inch)	ϕ 6.35 (1/4")	ϕ 6.35 (1/4")	ϕ 6.35 (1/4")	ϕ 9.52 (3/8")	ϕ 9.52 (3/8")
	Gas Pipe - mm (inch)	ϕ 9.52 (3/8")	ϕ 12.7 (1/2")	ϕ 12.7 (1/2")	ϕ 15.90 (5/8")	ϕ 15.90 (5/8")
Outdoor Unit Connections	Liquid Pipe - mm (inch)	ϕ 6.35 (1/4")	ϕ 6.35 (1/4")	ϕ 6.35 (1/4")	ϕ 9.52 (3/8")	ϕ 9.52 (3/8")
	Gas Pipe - mm (inch)	ϕ 9.52 (3/8")	ϕ 12.7 (1/2")	ϕ 12.7 (1/2")	ϕ 15.90 (5/8")	ϕ 15.90 (5/8")
Indoor Unit Connections	Liquid Pipe - mm (inch)	ϕ 6.35 (1/4")	ϕ 6.35 (1/4")	ϕ 6.35 (1/4")	ϕ 9.52 (3/8")	ϕ 9.52 (3/8")
	Gas Pipe - mm (inch)	ϕ 9.52 (3/8")	ϕ 12.7 (1/2")	ϕ 12.7 (1/2")	ϕ 15.890 (5/8")	ϕ 15.90 (5/8")
Wiring Method		Hardwire to Outdoor	Hardwire to Outdoor	Hardwire to Outdoor	Hardwire to Outdoor	Hardwire to Outdoor
Interconnect Cables		4 Core + Earth	4 Core + Earth	4 Core + Earth	4 Core + Earth	4 Core + Earth
Application Area (sqm) use as a guide only		13-22	18-29	25-42	35-58	41-68

* For more information refer to Controls and Accessories section.
0-13 Please see Product Foot Notes on Page 37

5 YEAR Warranty Conditions Apply

ARC Refrigerant Trading Authorisation No.: AU06394

MEPS CERTIFIED

N2018

ActronAir
Australian for air conditioning

CLASSIC

SINGLE PHASE · LOW NOISE FAN · SCROLL · VERTICAL DISCHARGE · COIL PROTECTION · ECM FAN · LOUVRE · CENTRIFUGAL FAN

AUSTRALIAN DESIGNED & BUILT

superior 50°C -10°C operating range

Features

- Reverse cycle ducted split system
- Fixed speed – 100% capacity operation
- Superior operating range:
  Cooling: up to 50ºC DB
  Heating: down to -10ºC DB
- Zoning capability up to 8 zones
- Louvre grille protection
- Blue fin epoxy coated coil protection to condenser
- Powder coated outdoor panels to withstand 1000-hour salt spray exposure AS/NZS 4506:2005
- 3 speed indoor fan with electronic commutated motor
- Vertical condenser air discharge (except for SRE091C)
- Slimline 24hr 8 zone wall controller included
- Manual inputs available for 3rd party control
- MEPS compliant

Technical Information

OUTDOOR MODEL		SRE091C	SRA101C	SRA131C	SRA151C	SRA171C
INDOOR MODEL		SRG091E	SRG101E	SRG131E	SRG151E	SRG171E
[1] Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling	9.40	10.56	12.75	15.29	17.38
	Heating	8.00	10.12	11.69	14.84	17.02
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling	9.00	10.16	12.24	14.97	16.80
	Heating	8.50	10.62	12.17	15.12	17.57
Input Power (kW) (AS/NZS3823.1.2)	Cooling	2.77	3.08	3.75	4.56	5.15
	Heating	2.43	2.96	3.34	4.16	4.76
[2] EER Rated (AS/NZS3823.1.2)	Cooling	3.25	3.30	3.26	3.28	3.26
[3] COP Rated (AS/NZS3823.1.2)	Heating	3.50	3.59	3.64	3.63	3.69
Power Supply (V / Ph / Hz)	Outdoor	230V / 1Ph + N / 50Hz				
	Indoor	230V / 1Ph + N / 50Hz				
Rated Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	9.5 / 2.8 / 12.3	10.9 / 2.8 / 13.7	13.9 / 3.8 / 17.7	17.7 / 2.5 / 20.2	19.7 / 4.3 / 24.0
Full Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	14.2 / 3.5 / 17.7	20.5 / 3.5 / 24.0	23.1 / 4.3 / 27.4	24.0 / 4.3 / 28.3	30.7 / 4.3 / 35.0
[4] Circuit Breaker Amps (Suggested)		20.0	25.0	32.0	32.0	40.0
IP Rating	Outdoor	IP44				
	Indoor	IP20				
Compressor	Type / No. per Unit	Compliant Scroll / 1				
	Starting Method	Soft Starter				
No. Refrigeration Circuits/No. Capacity Stages (Capacity range)		1/1 (100% capacity)				
Refrigerant		R410a				
Fans (Type x Number per unit)	Outdoor	Axial x 1	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	520	575	750	880	900
	Nominal	450	500	650	770	850
	Minimum	380	425	590	690	770
External Static Pressure (Pa) at:	Maximum Airflow	108	62	120	120	116
	Nominal Airflow	153	141	206	218	164
Outdoor Dimensions (mm)	Depth	370	535	580	580	580
	Height	805	940	990	990	1045
	Width	1000	1245	1320	1320	1460
Indoor Dimensions (mm)	Depth	595	595	615	615	615
	Height	410	410	412	412	412
	Width	850	850	1090	1290	1290
[5] Nominal Weight (kgs)	Outdoor	83	119	135	136	176
	Indoor	41	41	56	59	60
[6] Sound Pressure Level (dBA)	Outdoor (low/high fan)	50 / 52	47 / 50	50 / 52	50 / 52	52 / 54
[7] Sound Power Level (dBA)	Outdoor (low/high fan)	67 / 69	64 / 67	67 / 69	67 / 69	69 / 71
MEPS Certified		Yes	Yes	Yes	Yes	Yes

Control Features

LM7 Wall Controller (8 Zone)		Included	Included	Included	Included	Included
LM24W Wall Controller (8 Zone) - Secondary Master Controller		Optional	Optional	Optional	Optional	Optional
Remote Temperature Sensor		Optional	Optional	Optional	Optional	Optional
Home Automation / Remote ON / OFF Capability		Yes	Yes	Yes	Yes	Yes
Manual Inputs Capable for Third Party Control		Optional	Optional	Optional	Optional	Optional
Maximum Number of Zones		8	8	8	8	8
ActronConnect module for wireless control		Optional	Optional	Optional	Optional	Optional

Options & Accessories

OUTDOOR MODEL			SRE091C	SRA101C	SRA131C	SRA151C	SRA171C
INDOOR MODEL			SRG091E	SRG101E	SRG131E	SRG151E	SRG171E
Two Piece Fan Coil	Coil Section Model		–	–	SRA131A	SRA151A	SRA171A
	Fan Section Model		–	–	SRG131F	SRG151F	SRG171F
Compressor Soft Start - Included			Yes	Yes	Yes	Yes	Yes
Indoor Drain Kit (ADRKT) - Included			Yes	Yes	Yes	Yes	Yes
Indoor Unit Integral Fan Coil Safety Tray - Included			Yes	Yes	Yes	Yes	Yes
Optional Outdoor Drain Tray - Model			CDT11	CDT20	CDT20	CDT20	CDT22
Hanging Kits (AHKFC)			Optional				
Duct Plates*			–	–	PLDP - 2/350	PLDP - 2/400	
					PLDP - 2/400		
Return Air Plenum*			PL11R - 1/40S	PL11R - 1/40S	PL13R - 2/35S	PL18R - 2/35S	
						PL20R - 2/40S	
Supply Air Plenum*		1–Way	PL11S - 1/35S		–		
		2–Way	PL11S - 2/30S		PL18S - 2/35S		
			PL11S - 2/35S		PL20S - 2/40S		
		3–Way	–		PL13S - 3/30S		
			–		PL18S - 3/35S		
			–		PL20S - 3/SPS		

Variations

B - 3rd Party Manual Input (Indoor Unit)		Optional	Optional	Optional	Optional	Optional
H - Horizontal Discharge Fan (Outdoor Unit)		Standard	Optional	Optional	Optional	Optional
K- Coil Protection (Outdoor Unit)		Optional	Optional	Optional	Optional	Optional
R - [9] Demand Response Capability (AS4755.3)		Optional	Optional	Optional	Optional	Optional
V - Upright Fan Coil Vertical Discharge (Fan Coil Unit)		Optional	Optional	Optional	Optional	Optional
Z - Compressor Soft Starter (Outdoor Unit)		[10] Standard	[10] Standard	[10] Standard	[10] Standard	[10] Standard

Field Piping and Connections

Refrigerant Charge	Factory Charge - (g)	not pre-charged	4175	5450	4650	6650
	Pre-Charge Length - (m)	0[Δ]	10	15	15	15
	Additional Refrigerant Charge - (g/m)	50[Δ]	50	50	50	50
Maximum Field Pipe Length Range - (m)		0 - 25	0 - 60	0 - 60	0 - 60	0 - 60
Maximum Vertical Height Differential - (m) included in max length		20	20	20	20	20
Field Pipe Size	Liquid Pipe - mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas Pipe - mm (inch)	15.90 (5/8)	15.90 (5/8)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
Outdoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged
	Gas Pipe - mm (inch)	15.90 (5/8) swaged	19.05 (3/4) cut swage end	19.05 (3/4)	19.05 (3/4) swaged	19.05 (3/4) swaged
Indoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) to be cut and swaged in the field	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged
	Gas Pipe - mm (inch)	15.90 (5/8) swaged	15.90 (5/8) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged
Condensate Drain Connection - Size		20mm OD				
Safety Tray Connection - Size		20mm ID				
Air Duct (Flange Connection)	Supply Duct H x W - (mm)	175 x 235 (no flange)	175 x 235 (no flange)	300 x 715		
	Return Duct H x W - (mm)	340 x 660	340 x 660	340 x 900	340 x 1100	

[Δ] Refer to installation instruction for gas charge information.
*For more information refer to Controls and Accessories section. 0-10 Please see Product Foot Notes on Page 37

5 YEAR Warranty Conditions Apply

ARC Refrigerant Trading Authorisation No.: AU06394

MEPS CERTIFIED

N2018

ActronAir
Australian for air conditioning

CLASSIC

THREE PHASE | LOW NOISE FAN | SCROLL | VERTICAL DISCHARGE
COIL PROTECTION | ECM FAN | LOUVRE | CENTRIFUGAL FAN
AUSTRALIAN DESIGNED & BUILT | superior 50°C -10°C operating range

Technical Information

OUTDOOR MODEL		SRA133C	SRA153C	SRA173C	SRA203C	SRA233C	SRA260C
INDOOR MODEL		SRG131E	SRG151E	SRG171E	SRG201E	SRG231E	SRA260E
[1] Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling	13.00	15.27	17.56	19.69	22.95	25.15
	Heating	11.85	14.45	17.38	18.75	22.30	24.30
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling	12.40	14.68	16.99	19.06	22.35	24.00
	Heating	12.30	15.00	17.92	19.34	23.00	25.50
Input Power (kW) (AS/NZS3823.1.2)	Cooling	3.68	4.43	5.04	5.86	6.59	7.65
	Heating	3.24	3.95	4.58	5.23	6.15	7.55
[2] EER Rated (AS/NZS3823.1.2)	Cooling	3.37	3.31	3.37	3.25	3.39	3.14
[3] COP Rated (AS/NZS3823.1.2)	Heating	3.80	3.80	3.91	3.70	3.74	3.38
Power Supply (V / Ph / Hz)	Outdoor	400V / 3Ph + N / 50Hz					
	Indoor	230V / 1Ph + N / 50Hz					
Rated Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	6.3 / 3.2 / 9.5	7.1 / 4.2 / 11.3	8.7 / 4.1 / 12.8	9.0 / 4.5 / 13.5	12.0 / 4.8/ 16.8	13.7 / 4.6 / 18.3
Full Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	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	18.6 / 4.9 / 23.5
[4] Circuit Breaker Amps (Suggested)		16.0	20.0	20.0	20.0	25.0	25.0
IP Rating	Outdoor	IP44					
	Indoor	IP20					
Compressor	Type / No. per Unit	Compliant Scroll / 1					
	Starting Method	D.O.L.					
No. of refrigeration Circuits/No of 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	Twin Deck Centrifugal / ECM Direct Drive x 1					Twin Deck Centrifugal / 4 Pole / Direct Drive x 1
Airflow Range Indoor (l/s)	Maximum	750	880	900	1150	1380	1452
	Nominal	650	770	850	1000	1200	1320
	Minimum	590	690	770	900	1020	1122
External Static Pressure (Pa) at:	Maximum Airflow	120	120	116	146	110	135
	Nominal Airflow	206	218	164	188	178	200
Outdoor Dimensions (mm)	Depth	580	580	580	580	685	685
	Height	990	990	1045	1045	1105	1105
	Width	1320	1320	1460	1460	1685	1685
Indoor Dimensions (mm)	Depth	615	615	615	680	695	695
	Height	412	412	412	435	485	485
	Width	1090	1290	1290	1420	1470	1470
[5] Nominal Weight (kgs)	Outdoor	133	135	174	185	200	245
	Indoor	56	59	60	76	90	90
[6] Sound Pressure Level (dBA)	Outdoor (low/high fan)	50 / 52	50 / 52	52 / 54	52 / 54	55 / 59	55 / 59
[7] Sound Power Level (dBA)	Outdoor (low/high fan)	67 / 69	67 / 69	69 / 71	69 / 71	71 / 75	71 / 75
MEPS Certified		Yes	Yes	Yes	Yes	Yes	Yes

Control Features

LM7 Wall Controller (8 Zone)	Included	Included	Included	Included	Included	Included	
LM24W Wall Controller (8 Zone) - Secondary Master Controller	Optional	Optional	Optional	Optional	Optional	Optional	
Remote Temperature Sensor	Optional	Optional	Optional	Optional	Optional	Optional	
Home Automation / Remote ON / OFF Capability	Yes	Yes	Yes	Yes	Yes	Yes	
Manual Inputs Capable for Third Party Control	Optional	Optional	Optional	Optional	Optional	Optional	
Maximum Number of Zones	8	8	8	8	8	8	
ActronConnect module for wireless control	Optional	Optional	Optional	Optional	Optional	–	

Features

- Reverse cycle ducted split system
- Fixed speed – 100% capacity operation
- Superior operating range:
  Cooling: up to 50ºC DB
  Heating: down to -10ºC DB
- Zoning capability up to 8 zones
- Louvre grille protection
- Blue fin epoxy coated coil protection to condenser
- Powder coated outdoor panels to withstand 1000-hour salt spray exposure AS/NZS 4506:2005
- 3 speed indoor fan with electronic commutated motor (except SRA260)
- Vertical condenser air discharge
- Slimline 24hr 8 zone wall controller included
- Manual inputs available for 3rd party control
- MEPS compliant

Options & Accessories

OUTDOOR MODEL		SRA133C	SRA153C	SRA173C	SRA203C	SRA233C	SRA260C
INDOOR MODEL		SRG131E	SRG151E	SRG171E	SRG201E	SRG231E	SRA260E
Two Piece Fan Coil	Coil Section Model	SRA131A	SRA151A	SRA171A	SRA201A	SRA231A	–
	Fan Section Model	SRG131F	SRG151F	SRG171F	SRG201F	SRG231F	–
Compressor Soft Start - Included		Optional	Optional	Optional	Optional	Optional	Optional
Indoor Drain Kit (ADRKT) - Included		Yes	Yes	Yes	Yes	No	No
Indoor Unit Integral Fan Coil Safety Tray - Included		Yes	Yes	Yes	Yes	Yes	Yes
Optional Outdoor Drain Tray - Model		CDT20	CDT20	CDT22	CDT22	CDT35	CDT35
Hanging Kit (AHKFC)		Optional				Standard	
Duct Plates*		PLDP - 2/350	PLDP - 2/400		PLDS - 2/400	PLDT- 2/450	–
		PLDP - 2/400					
Return Air Plenum*		PL13R - 2/35S	PL18R - 2/35S		PL19R - 2/40S	PL25R - 2/45S	
			PL20R - 2/40S		PL19R - 2/45S		
Supply Air Plenum*	2–Way	PL18S - 2/35S				PL34S - 2/45S	
		PL20S - 2/40S					
	3–Way	PL13S - 3/30S				PL22S - 3/35S	
		PL18S - 3/35S				PL30S - 3/40S	
		PL20S - 3/SPS				PL34S - 3/45S	

Variations

B - 3rd Party Manual Input (Indoor Unit)	Optional	Optional	Optional	Optional	Optional	-
D - Fault Detection (Outdoor Unit)	-	-	-	-	-	Optional
H - Horizontal Discharge Fan (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional	Optional
K- Coil Protection (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional	Optional
R - [9] Demand Response Capability (AS4755.3)	Optional	Optional	Optional	Optional	Optional	Optional
V - Upright Fan Coil Vertical Discharge (Fan Coil Unit)	Optional	Optional	Optional	Optional	Optional	Optional
Z - Compressor Soft Starter (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional	Optional

Field Piping and Connections

Refrigerant Charge	Factory Charge - (g)	5250	4650	7350	7450		7600	10100
	Pre-Charge Length - (m)	15	15	15	15		10	10
	Additional Refrigerant Charge - (g/m)	50	50	50	50	100	100	100
Maximum Field Pipe Length Range - (m)		0 - 60	0 - 60	0 - 60	0 - 20	20 - 60	0 - 60	0 - 60
Maximum Vertical Height Differential - (m) included in max length		20	20	20	20	20	20	20
Field Pipe Size	Liquid Pipe - mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)	15.90 (5/8)
	Gas Pipe - mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	[11] 22.22 (7/8)	22.22 (7/8)	25.40 (1)	25.40 (1)
Outdoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) cut swage end	12.70 (1/2) swaged	15.90 (5/8) swaged
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	22.22 (7/8) swaged	22.22 (7/8) swaged	28.6 (1-1/8) ID to fit field pipe	28.6 (1-1/8) ID to fit field pipe
Indoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) cut swage end	12.70 (1/2) swaged	15.90 (5/8) swaged
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	22.22 (7/8) swaged	22.22 (7/8) swaged	25.40 (1) to be swaged in field	25.40 (1) swaged
Condensate Drain Connection - Size		20mm OD			20mm ID		25mm ID	
Safety Tray Connection - Size		20mm ID					25mm ID	
Air Duct (Flange Connection)	Supply Duct H x W - (mm)	300 x 715					380 x 825	
	Return Duct H x W - (mm)	340 x 900	340 x 1100		360 x 1140		410 x 1190	

*For more information refer to Controls and Accessories section.
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5 YEAR Warranty Conditions Apply

ARC Refrigerant Trading Authorisation No.: AU06394

MEPS CERTIFIED

N2018

ActronAir
Australian for air conditioning

THREE PHASE · LOW NOISE FAN · SCROLL · VERTICAL DISCHARGE · COIL PROTECTION · ECM FAN · LOUVRE · CENTRIFUGAL FAN · AUSTRALIAN DESIGNED & BUILT · superior 50°C -10°C operating range

Features

- Reverse cycle ducted split system
- Fixed speed – 100% capacity operation
- Superior operating range:
  Cooling: up to 50ºC DB
  Heating: down to -10ºC DB
- Two speed outdoor fan
- Indoor fan three speed - SCA series
- High efficiency indoor EC fan motor - SCG series
- Indoor fan dial up air-flow adjustment - SCG series
- Single stage or two stage refrigeration circuits
- Interlaced evaporator coil for full face cooling on two stage systems
- Louvre grille protection
- Blue fin epoxy coated coil protection to condenser
- Powder coated outdoor panels to withstand 1000-hour salt spray exposure AS/NZS 4506:2005
- Vertical condenser air discharge
- Optional C7-4 controller available
- Manual inputs available for 3rd party control
- MEPS compliant

Technical Information

OUTDOOR MODEL		SCA290C	SCA330C	SCA300C	SCA340C	SCA400C
INDOOR MODEL		SCG290E	SCA330E	SCA300E	SCA340E	SCG400E
[1] Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling	29.50	34.66	28.90	35.22	40.80
	Heating	27.40	32.73	27.30	33.78	37.85
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling	28.30	33.00	27.70	33.50	39.20
	Heating	28.60	34.50	28.50	35.50	39.50
Input Power (kW) (AS/NZS3823.1.2)	Cooling	8.45	10.48	8.50	10.55	12.76
	Heating	7.97	10.30	8.72	10.37	11.97
[2] EER Rated (AS/NZS3823.1.2) [3] COP Rated (AS/NZS3823.1.2)	Cooling	3.35	3.15	3.26	3.18	3.07
	Heating	3.59	3.35	3.27	3.42	3.30
Power Supply (V / Ph / Hz)	Outdoor	400 - 415V / 3Ph + N / 50Hz				
	Indoor	230 - 240V / 1Ph + N / 50Hz				
Rated Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	16.1 / 8.4 / 24.5	16.7 / 6.6 / 23.3	14.6 / 5.5 / 20.1	16.5 / 6.9 / 23.4	25.7 /10.5 / 36.2
Full Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	19.5 / 11.4 / 30.9	22.6 / 7.1 / 29.7	21.0 / 7.1 / 27.1	24.3 / 7.1 / 31.4	31.9 /14.5 / 46.4
[4] Circuit Breaker Amps (Suggested)		32.0	32.0	32.0	32.0	50.0
IP Rating	Outdoor	IP44				
	Indoor	IP20				
Compressor	Type / No. per Unit	Scroll / 1		Scroll / 2		
	Starting Method	D.O.L.		D.O.L.		
No. Refrigeration Circuits/No. Capacity Stages (Capacity range)		1/1(100%)		2/2(50%, 100%)		
Refrigerant		R410a				
Fans (Type x Number per unit)	Outdoor	Axial / 6 Pole External Rotor / Direct Drive x 2				
	Indoor	Twin Deck Centrifugal / ECM Direct Drive x 1	Twin Deck Centrifugal / 4 Pole / Direct Drive x 1			Twin Deck Centrifugal / ECM Direct Drive x 1
Airflow Range Indoor (l/s)	Maximum	1650	1892	1650	1892	2250
	Nominal	1500	1720	1500	1720	2050
	Minimum	1275	1462	1275	1462	1750
External Static Pressure (Pa) at:	Maximum Airflow	266	132	185	132	170
	Nominal Airflow	285	205	240	205	236
Outdoor Dimensions (mm)	Depth	875				
	Height	1330				1315
	Width	1875				
Indoor Dimensions (mm)	Depth	770				795
	Height	535	620	535	620	680
	Width	1530	1735	1530	1735	1910
[5] Nominal Weight (kgs)	Outdoor	290	305	300	335	332
	Indoor	110	125	115	130	125
[6] Sound Pressure Level (dBA)	Outdoor (low/high fan)	55.9 / 59.9	57.8 / 61.8	55.9 / 59.9	57.8 / 61.8	61.0 / 64.0
[7] Sound Power Level (dBA)	Outdoor (low/high fan)	72.9 / 76.9	74.8 / 78.8	72.9 / 76.9	74.8 / 78.8	78.0 / 81.0
MEPS Certified		Yes	Yes	Yes	Yes	Yes

Control Features

C7-4 Wall Controller (BCA Compliant)	Optional	Optional	Optional	Optional	Optional	
Remote Temperature Sensor	Optional	Optional	Optional	Optional	Optional	
Home Automation / Remote ON / OFF Capability	Optional	Optional	Optional	Optional	Optional	
Manual Inputs Capable for Third Party Control	Optional	Optional	Optional	Optional	Optional	

Variations

OUTDOOR MODEL	SCA290C	SCA330C	SCA300C	SCA340C	SCA400C
INDOOR MODEL	SCG290E	SCA330E	SCA300E	SCA340E	SCG400E
D - Fault Detection (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional
H - Horizontal Discharge Fan (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional
K- Coil Protection (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional
R - [9] Demand Response Capability (AS4755.3)	Optional	Optional	Optional	Optional	Optional
V - Upright Fan Coil Vertical Discharge (Indoor Unit)	Optional	Optional	Optional	Optional	Optional
Z - Compressor 3-Phase Soft Starter (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional

Field Piping and Connections

Refrigerant Charge	Factory Charge - (g)	11,050	12,800	2 x 4,725	2 x 7,050	2 x 7,850
	Pre-Charge Length - (m)	5	5	5	5	5
	Additional Refrigerant Charge - (g/m)	165	165	50 per stage	50 per stage	100 per stage
Maximum Field Pipe Length Range - (m)		0 - 60	0 - 60	0 - 60	0 - 60	0 - 60
Maximum Vertical Height Differential - (m) included in max length		20	20	20	20	20
Field Pipe Size	Liquid Pipe - mm (inch)	15.9 (5/8)	15.9 (5/8)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)
	Gas Pipe - mm (inch)	28.6 (1-1/8)	28.6 (1-1/8)	19.05 (3/4)	19.05 (3/4)	22.22 (7/8)
Outdoor Unit	Liquid Pipe - mm (inch)	15.9 (5/8) swaged	15.9 (5/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	12.70 (1/2) swaged
	Gas Pipe - mm (inch)	28.6 (1-1/8) swaged	28.6 (1-1/8) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	22.22 (7/8) swaged
Indoor Unit	Liquid Pipe - mm (inch)	15.9 (5/8) swaged	15.9 (5/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	12.70 (1/2) swaged
	Gas Pipe - mm (inch)	28.6 (1-1/8) swaged	28.6 (1-1/8) swaged	22.22 (7/8) cut-off swage	22.22 (7/8) cut-off swage	22.22 (7/8) swaged
Condensate Drain Connection - Size		25mm ID				25.4mm ID BSP Female Thread
Safety Tray Connection - Size		25mm ID				25.4mm ID BSP Socket
Air Duct (Flange Connection)	Supply Duct H x W - (mm)	370 x 1065				
	Return Duct H x W - (mm)	435 x 1200	520 x 1440	435 x 1200	520 x 1440	575 x 1595

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2 YEAR Warranty Conditions Apply

ARC Refrigerant Trading Authorisation No.: AU06394

MEPS CERTIFIED

N2018

ActronAir
Australian for air conditioning

ESP PLUS

Features

- Award winning reverse cycle ducted split system
- High efficiency EC indoor fan motor
- Variable capacity digital scroll compressor 10 to 100% operation
- Quick and precise temperature control
- Variable Fan Technology (VFT) to deliver improved energy efficiency
- Superior operating range:
  Cooling: up to 50ºC DB
  Heating: down to -10ºC DB
- Louvre grille protection
- Blue fin epoxy coated coil protection to condenser
- Powder coated outdoor panels to withstand 1000-hour salt spray exposure AS/NZS 4506:2005
- Vertical condenser air discharge
- Sound Reduction System (SRS)
- Slimline 7 day 8 zone wall controller included
- Manual inputs available for 3rd party on/off control
- Three phase sequence relay
- MEPS compliant

Technical Information

		Single Phase			Three Phase		
OUTDOOR MODEL		SRD131C	SRD151C	SRD191C	SRD173C	SRD203C	SRD233C
INDOOR MODEL		SRV131E	SRV151E	SRV191E	SRV171E	SRV201E	SRV231E
[1] Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling	12.75	14.67	19.33	17.45	20.10	23.59
	Heating	11.71	14.64	17.90	17.39	19.38	22.97
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling (min - max)	12.27 (1.23-12.27)	14.37 (1.44-14.37)	18.64 (1.86-18.64)	16.88 (1.69-16.88)	19.32 (1.93-19.32)	23.00 (2.30-23.00)
	Heating (min - max)	12.16 (2.31-12.16)	15.00 (2.85-15.00)	18.52 (3.52-18.52)	17.93 (3.41-17.93)	20.09 (3.82-20.9)	23.50 (4.47-23.50)
Input Power (kW) (AS/NZS3823.1.2)	Cooling	3.68	4.29	5.73	5.02	5.78	6.76
	Heating	3.30	4.49	5.33	4.81	5.24	6.91
[2] EER Rated (AS/NZS3823.1.2)	Cooling	3.33	3.35	3.25	3.36	3.34	3.40
[3] COP Rated (AS/NZS3823.1.2)	Heating	3.68	3.34	3.47	3.73	3.83	3.40
Power Supply (V / Ph / Hz)	Outdoor	230V / 1Ph + N / 50Hz			400V / 3Ph + N / 50Hz		
	Indoor	230V / 1Ph + N / 50Hz					
Rated Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	13.5 / 3.6 / 17.1	17.5 / 2.3 / 19.8	20.8/ 5.1 / 25.9	8.7 / 4.1 / 12.8	9.2 / 5.4 / 14.6	14.0 / 4.0 / 18.0
Full Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	23.6 / 4.3 / 27.9	27.1 / 4.3 / 31.4	32.5 / 5.4 / 37.9	12.3 / 4.3 / 16.6	13.5/ 5.9 / 19.4	16.2 / 4.9 / 21.1
[4] Circuit Breaker Amps (Suggested)		32.0	32.0	40.0	20.0	20.0	25.0
IP Rating	Outdoor	IP44					
	Indoor	IP20					
Compressor	Type / No. per Unit	Digital Scroll / 1					
	Starting Method	Soft Starter			D.O.L.		
No. of refrigeration Circuits/No of capacity stages (Capacity range)		1/ Variable (10-100% capacity)					
Refrigerant		R410a					
Fans (Type x Number per unit)	Outdoor	Axial / 6 Pole External Rotor / Direct Drive x 2					
	Indoor	Twin Deck Centrifugal / ECM Direct Drive x 1					
Airflow Range Indoor (l/s)	Maximum	780	880	1180	900	1200	1440
	Nominal	650	770	980	850	1000	1200
	Minimum	130	155	195	170	200	240
External Static Pressure (Pa) at:	Maximum Airflow	120	120	128	116	120	80
	Nominal Airflow	225	218	192	164	188	170
Outdoor Dimensions (mm)	Depth	580	580	580	580	580	685
	Height	990	990	1045	1045	1045	1105
	Width	1320	1320	1460	1460	1460	1685
Indoor Dimensions (mm)	Depth	615	615	680	615	680	695
	Height	412	412	435	412	435	485
	Width	1090	1290	1420	1290	1420	1470
[5] Nominal Weight (kgs)	Outdoor	135	136	190	176	185	220
	Indoor	58	61	76	62	76	90
[6] Sound Pressure Level (dBA)	Outdoor (low/high fan)	47 / 50	50 / 52	52 / 54	52 / 54	52 / 54	54 / 59
[7] Sound Power Level (dBA)	Outdoor (low/high fan)	64 / 67	67 / 69	69 / 71	69 / 71	69 / 71	70 / 75
MEPS Certified		Yes	Yes	Yes	Yes	Yes	Yes

Control Features

LM7-D Wall Controller (8 Zone)	Included	Included	Included	Included	Included	Included
LM24W Wall Controller (8 Zone) - Secondary Master Controller	Optional	Optional	Optional	Optional	Optional	Optional
Remote Temperature Sensor	Optional	Optional	Optional	Optional	Optional	Optional
Home Automation / Remote ON / OFF Capability	Yes	Yes	Yes	Yes	Yes	Yes
Maximum Number of Zones	8	8	8	8	8	8
ActronConnect module for wireless control	Optional	Optional	Optional	Optional	Optional	Optional

Options & Accessories

		Single Phase			Three Phase		
OUTDOOR MODEL		SRD131C	SRD151C	SRD191C	SRD173C	SRD203C	SRD233C
INDOOR MODEL		SRV131E	SRV151E	SRV191E	SRV171E	SRV201E	SRV231E
Two Piece Fan Coil	Coil Section Model	-	-	SRV191A	-	SRV201A	-
	Fan Section Model	-	-	SRV191F	-	SRV201F	-
Compressor Soft Start - Included		Yes	Yes	Yes	Optional	Optional	Optional
Indoor Drain Kit (ADRKT) - Included		Yes	Yes	Yes	Yes	Yes	No
Indoor Unit Integral Fan Coil Safety Tray - Included		Yes	Yes	Yes	Yes	Yes	Yes
Optional Outdoor Drain Tray - Model		CDT20	CDT20	CDT22	CDT22	CDT22	CDT35
Hanging Kit (AHKFC)		Optional					Standard
Duct Plate*		-	-	PLDS - 2/400	-	PLDS - 2/400	-
Return Air Plenum*		PL13R - 2/35S	PL18R - 2/35S	PL19R - 2/40S	PL18R - 2/35S	PL19R - 2/40S	PL25R - 2/45S
			PL20R - 2/40S	PL19R - 2/45S	PL20R - 2/40S	PL19R - 2/45S	
Supply Air Plenum*	2–Way	PL18S - 2/35S					PL34S - 2/45S
		PL20S - 2/40S					
	3–Way	PL13S - 3/30S					PL22S - 3/35S
		PL18S - 3/35S					PL30S - 3/40S
		PL20S - 3/SPS					PL34S - 3/45S

Variations

H - Horizontal Discharge Fan (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional	Optional	
K- Coil Protection (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional	Optional	
R - [9] Demand Response Capability (AS4755.3)	Optional	Optional	Optional	Optional	Optional	Optional	
V - Upright Fan Coil Vertical Discharge (Indoor Unit)	Optional	Optional	Optional	Optional	Optional	Optional	
Z - Compressor Soft Starter (Outdoor Unit)	[10] Standard	[10] Standard	[10] Standard	Optional	Optional	Optional	

Field Piping and Connections

Refrigerant Charge	Factory Charge - (g)	5150	4850	7950	7050	7450		10050
	Pre-Charge Length - (m)	15	15	15	15	15		10
	Additional Refrigerant Charge - (g/m)	50	50	50	50	50	100	100
Maximum Field Pipe Length Range - (m)		0 - 60	0 - 60	0 - 60	0 - 60	0 - 20	20 - 60	0 - 60
Maximum Vertical Height Differential - (m) included in max length		20	20	20	20	20	20	20
Field Pipe Size	Liquid Pipe - mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)
	Gas Pipe - mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	[11] 22.22 (7/8)	22.22 (7/8)	25.40 (1)
Outdoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) cut swage end	12.70 (1/2) swaged
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	22.22 (7/8) swaged	22.22 (7/8) swaged	28.6 (1-1/8) ID to fit field pipe
Indoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) cut swage end	12.70 (1/2) swaged
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	22.22 (7/8) cut swage end	19.05 (3/4) swaged	22.22 (7/8) swaged	22.22 (7/8) swaged	25.40 (1) swaged
Condensate Drain Connection - Size		20mm OD		20mm ID	20mm OD	20mm ID		25mm ID
Safety Tray Connection - Size		20mm ID						25mm ID
Air Duct	Supply Duct H x W - (mm)	300 x 715						380 x 715
	Return Duct H x W - (mm)	340 x 900	340 x 1100	360 x 1140	340 x 1100	360 x 1140		410 x 1190

*For more information refer to Controls and Accessories section.
0-11 Please see Product Foot Notes on Page 37

5 YEAR Warranty
Conditions Apply

ARC
Refrigerant Trading
Authorisation No.: AU06394

MEPS CERTIFIED

N2018

ActronAir
Australian for air conditioning

ESP ULTIMA

SINGLE PHASE · THREE PHASE · LOW NOISE FAN · DIGITAL (10-100% CAPACITY) · VERTICAL DISCHARGE · VAV TECHNOLOGY (18° 20° 22°) · COIL PROTECTION · VARIABLE FAN TECHNOLOGY · LOUVRE · ECM FAN · VARIABLE CAPACITY

arbs Industry Awards 2012 Finalist

Australian Designed & Built

Superior 50°C -10°C operating range

Features

- Incorporates the energy efficient design features of the award winning ESP Plus reverse cycle ducted split system
- Incorporates Variable Air Volume (VAV) technology to deliver individual temperature zone control
- High efficiency EC indoor fan motor
- Variable capacity digital scroll compressor 10 to 100% operation
- Quick precise temperature control
- Variable Fan Technology (VFT) for improved energy efficiency
- Individual zone controllers set the temperature in each individual zone
- Slimline 7 day 8 zone wall controller included
- Superior operating range:
  Cooling: up to 50°C DB
  Heating: down to -10°C DB
- Louvre grille protection
- Blue fin epoxy coated coil protection to condenser
- Powder coated outdoor panels to withstand 1000-hour salt spray exposure AS/NZS 4506:2005
- Vertical condenser air discharge
- Sound Reduction System (SRS)
- Manual inputs available for 3rd party on/off control
- Three phase sequence relay
- MEPS compliant

Technical Information

		Single Phase		Three Phase		
OUTDOOR MODEL		SRD151C	SRD191C	SRD173C	SRD203C	SRD233C
INDOOR MODEL		SRM151E	SRM191E	SRM171E	SRM201E	SRM231E
[1] Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling	14.67	19.33	17.45	20.10	23.59
	Heating	14.64	17.90	17.39	19.38	22.97
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling (min - max)	14.37 (1.44-14.37)	18.64 (1.86-18.64)	16.88 (1.69-16.88)	19.32 (1.93-19.32)	23.00 (2.30-23.00)
	Heating (min - max)	15.00 (2.85-15.00)	18.52 (3.52-18.52)	17.93 (3.41-17.93)	20.09 (3.82-20.09)	23.50 (4.47-23.50)
Input Power (kW) (AS/NZS3823.1.2)	Cooling	4.29	5.73	5.02	5.78	6.76
	Heating	4.49	5.33	4.81	5.24	6.91
[2] EER Rated (AS/NZS3823.1.2) [3] COP Rated (AS/NZS3823.1.2)	Cooling	3.35	3.25	3.36	3.34	3.40
	Heating	3.34	3.47	3.73	3.83	3.40
Power Supply (V / Ph / Hz)	Outdoor	230V / 1Ph + N / 50Hz		400V / 3Ph + N / 50Hz		
	Indoor	230V / 1Ph + N / 50Hz				
Rated Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	17.5 / 2.3 / 19.8	20.8 / 5.1 / 25.9	8.7 / 4.1 / 12.8	9.2 / 5.4 / 14.6	14.0 / 4.0 / 18.0
Full Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	27.1 / 4.3 / 31.4	32.5 / 5.4 / 37.9	12.3 / 4.3 / 16.6	13.5 / 5.9 / 19.4	16.2 / 4.9 / 21.1
[4] Circuit Breaker Amps (Suggested)		32.0	40.0	20.0	20.0	25.0
IP Rating	Outdoor	IP44				
	Indoor	IP20				
Compressor	Type / No. per Unit	Digital Scroll / 1				
	Starting Method	Soft Starter		D.O.L.		
No. Refrigeration Circuits/No. Capacity Stages (Capacity range)		1/Variable (10-100% capacity)				
Refrigerant		R410a				
Fans (Type x Number per unit)	Outdoor	Axial / 6 Pole External Rotor / Direct Drive x 2				
	Indoor	Twin Deck Centrifugal / ECM Direct Drive x 1				
Airflow Range Indoor (l/s)	Maximum	880	1180	900	1200	1440
	Nominal	770	980	850	1000	1200
	Minimum	155	195	170	200	240
External Static Pressure (Pa) at:	Maximum Airflow	120	128	116	120	80
	Nominal Airflow	218	192	164	188	170
Outdoor Dimensions (mm)	Depth	580	580	580	580	685
	Height	990	1045	1045	1045	1105
	Width	1320	1460	1460	1460	1685
Indoor Dimensions (mm)	Depth	615	680	615	680	695
	Height	412	435	412	435	485
	Width	1290	1420	1290	1420	1470
[5] Nominal Weight (kgs)	Outdoor	136	190	176	185	220
	Indoor	61	76	62	76	90
[6] Sound Pressure Level (dBA)	Outdoor (low/high fan)	50 / 52	52 / 54	52 / 54	52 / 54	54 / 59
[7] Sound Power Level (dBA)	Outdoor (low/high fan)	67 / 69	69 / 71	69 / 71	69 / 71	70 / 75
MEPS Certified		Yes	Yes	Yes	Yes	Yes

Control Features

LM7-D Wall Controller (8 Zone)	Included	Included	Included	Included	Included
LM24W Wall Controller (8 Zone) - Secondary Master Controller	Optional	Optional	Optional	Optional	Optional
AM-ZC Zone Controller	Optional	Optional	Optional	Optional	Optional
AM-ZS Zone Sensor	Optional	Optional	Optional	Optional	Optional
Home Automation / Remote ON / OFF Capability	Yes	Yes	Yes	Yes	Yes
Maximum Number of Zones	8	8	8	8	8
ActronConnect module for wireless control	Optional	Optional	Optional	Optional	Optional

Options & Accessories

		Single Phase		Three Phase		
OUTDOOR MODEL		SRD151C	SRD191C	SRD173C	SRD203C	SRD233C
INDOOR MODEL		SRM151E	SRM191E	SRM171E	SRM201E	SRM231E
Compressor Soft Start - Included		Yes	Yes	Optional	Optional	Optional
Indoor Drain Kit (ADRKT) - Included		Yes	Yes	Yes	Yes	No
Indoor Unit Integral Fan Coil Safety Tray - Included		Yes	Yes	Yes	Yes	Yes
Optional Outdoor Drain Tray - Model		CDT20	CDT22	CDT22	CDT22	CDT35
Hanging Kit (AHKFC)		Optional				Standard
Return Air Plenum*		PL18R - 2/35S	PL19R - 2/40S	PL18R - 2/35S	PL19R - 2/40S	PL25R - 2/45S
		PL20R - 2/40S	PL19R - 2/45S	PL20R - 2/40S	PL19R - 2/45S	
Supply Air Plenum*	2–Way	PL18S - 2/35S				PL34S - 2/45S
		PL20S - 2/40S				
	3–Way	PL13S - 3/30S				PL22S - 3/35S
		PL18S - 3/35S				PL30S - 3/40S
		PL20S - 3/SPS				PL34S - 3/45S

Variations

H - Horizontal Discharge Fan (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional
K- Coil Protection (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional
R - [9] Demand Response Capability (AS4755.3)	Optional	Optional	Optional	Optional	Optional
Z - Compressor Soft Starter (Outdoor Unit)	[10] Standard	[10] Standard	Optional	Optional	Optional

Field Piping and Connections

Refrigerant Charge	Factory Charge - (g)	4850	7950	7050	7450		10050
	Pre-Charge Length - (m)	15	15	15	15		10
	Additional Refrigerant Charge - (g/m)	50	50	50	50	100	100
Maximum Field Pipe Length Range - (m)		0 - 60	0 - 60	0 - 60	0 - 20	20 - 60	0 - 60
Maximum Vertical Height Differential - (m) included in max length		20	20	20	20	20	20
Field Pipe Size	Liquid Pipe - mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)
	Gas Pipe - mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	[11]22.22 (7/8)	22.22 (7/8)	25.40 (1)
Outdoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) cut swaged end	12.70 (1/2) swaged
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	22.22 (7/8) swaged	22.22 (7/8) swaged	28.6 (1-1/8) ID to fit field pipe
Indoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) cut swage end	12.70 (1/2) swaged
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	22.22 (7/8) cut swage end	19.05 (3/4) swaged	22.22 (7/8) swaged	22.22 (7/8) swaged	25.40 (1) swaged
Condensate Drain Connection - Size		20mm OD	20mm ID	20mm OD	20mm ID	20mm ID	25mm ID
Safety Tray Connection - Size		20mm ID					25mm ID
Air Duct	Supply Duct H x W - (mm)	300 x 715					380 x 715
	Return Duct H x W - (mm)	340 x 1100	360 x 1140	340 x 1100	360 x 1140		410 x 1190

*For more information refer to Controls and Accessories section.
0-11 Please see Product Foot Notes on Page 37

5 YEAR Warranty Conditions Apply

ARC Refrigerant Trading Authorisation No.: AU06394

MEPS CERTIFIED

N2018

ActronAir
Australian for air conditioning

ESP PLUS PLATINUM

SINGLE PHASE | LOW NOISE FAN | TRU INVERTER | VERTICAL DISCHARGE | VARIABLE FAN TECHNOLOGY
COIL PROTECTION | LOUVRE | ECM FAN | VARIABLE CAPACITY
AUSTRALIAN DESIGNED & BUILT | superior 50°C -15°C operating range

Features

- The most comfortable ducted split system with lowest running costs in its class
- Tru-Inverter™ compressor and drive technology with variable capacity (20%-100%)
- Tru-Max™ for continual operation at maximum capacity
- High efficiency EC indoor fan motor
- Quick precise temperature control
- Variable Fan Technology (VFT) for improved energy efficiency
- Superior operating range:
  Cooling: up to 50ºC DB
  Heating: down to -15ºC DB
- Louvre grille protection
- Blue fin epoxy coated coil protection to condenser
- Powder coated outdoor panels to withstand 1000-hour salt spray exposure AS/NZS 4506:2005
- Vertical condenser air discharge
- Sound Reduction System (SRS)
- Slimline 7 day 8 zone wall controller included
- Manual inputs available for 3rd party on/off control
- MEPS compliant

Technical Information

		Single Phase		
OUTDOOR MODEL		CRV2-14AS	CRV3-17AS	CRV4-19AS
INDOOR MODEL		ERV2-14AS	ERV3-17AS	ERV4-19AS
[1] Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Rated)	12.77	14.45	17.55
	Heating (Rated)	13.60	16.55	18.50
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Min/Rated/TRU-MAX*)	2.85 / 12.50 / 14.40	3.50 / 14.00 / 17.00	4.00 / 17.00 / 19.00
	Heating (Min/Rated/TRU-MAX*)	2.70 / 14.00 / 15.40	3.60 / 17.00 / 19.00	3.75 /19.00 / 20.00
Input Power (kW) (AS/NZS3823.1.2)	Cooling (Rated)	3.79	4.17	5.10
	Heating (Rated)	3.64	4.72	5.14
[2] EER Rated (AS/NZS3823.1.2)	Cooling (Rated)	3.30	3.36	3.33
[3] COP Rated (AS/NZS3823.1.2)	Heating (Rated)	3.85	3.60	3.70
Power Supply (V / Ph / Hz)	Outdoor	230V / 1Ph + N / 50Hz		
	Indoor	230V / 1Ph + N / 50Hz		
Rated Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	14.3 / 2.8 / 17.1	15.4 / 3.5 / 18.9	18.9 / 4.0 / 22.9
Full Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	21.6 / 2.9 / 24.5	26.2 / 3.5 / 29.7	26.9 / 4.0 / 30.9
[4] Circuit Breaker Amps (Suggested)		25.0	32.0	32.0
IP Rating	Outdoor	IP44		
	Indoor	IP20		
Compressor	Type / No. per Unit	Tru-Inverter Variable Speed Scroll / 1		
	Starting Method	Inbuilt Soft Starting		
No. Refrigeration Circuits/No. Capacity Stages (Capacity range)		1 / Variable Capacity (20-100%)		
Refrigerant		R410a		
Fans (Type x Number per unit)	Outdoor	Axial / 6 Pole External Rotor / Direct Drive x 2		
	Indoor	Twin Deck Centrifugal / ECM Direct Drive x 1		
Airflow Range Indoor (l/s)	Maximum	900	1000	1150
	Nominal	660	750	900
	Minimum	170	200	240
Outdoor Dimensions (mm)	Depth	580	580	580
	Height	990	1045	1045
	Width	1320	1460	1460
Indoor Dimensions (mm)	Depth	615	615	680
	Height	412	412	435
	Width	1290	1290	1420
[5] Nominal Weight (kgs)	Outdoor	136	150	160
	Indoor	59	62	76
[6] Sound Pressure Level (dBA)	Outdoor (low/high fan)	47 / 52	48 / 54	48 / 54
[7] Sound Power Level (dBA)	Outdoor (low/high fan)	64 / 69	65 / 71	65 / 71
MEPS Certified		Yes	Yes	Yes

Control Features

LM7-D Wall Controller (8 Zone)	Included	Included	Included
LM24W Wall Controller (8 Zone) - Secondary Master Controller	Optional	Optional	Optional
Remote Temperature Sensor	Optional	Optional	Optional
Home Automation Remote ON / OFF Capability	Yes	Yes	Yes
ActronConnect module for wireless control	Optional	Optional	Optional
Maximum Number of Zones	8	8	8

*TRU-MAX™ continual operation at maximum capacity

Options & Accessories

		Single Phase		
OUTDOOR MODEL		CRV2-14AS	CRV3-17AS	CRV4-19AS
INDOOR MODEL		ERV2-14AS	ERV3-17AS	ERV4-19AS
Two Piece Fan Coil	Coil Section Model	-	-	ARV4-19AS
	Fan Section Model	-	-	FRV4-19AS
Compressor Soft Start		Yes	Yes	Yes
Indoor Drain Kit (ADRKT) - Included		Yes	Yes	Yes
Indoor Unit Integral Fan Coil Safety Tray - Included		Yes	Yes	Yes
Optional Outdoor Drain Tray - Model		CDT20	CDT22	CDT22
Hanging Kit (AHKFC)		Optional	Optional	Optional
Duct Plates		-	-	PLDS-2/400
		-	-	PLDS-2/400
Return Air Plenum*		PL18R-2/35S	PL18R-2/35S	PL19R-2/40S
		PL20R-2/40S	PL20R-2/40S	PL19R-2/45S
Supply Air Plenum*	2 - Way	PL18S-2/35S	PL18S-2/35S	PL18S-2/35S
		PL20S-2/40S	PL20S-2/40S	PL20S-2/40S
	3 - Way	PL13S-3/30S	PL13S-3/30S	PL13S-3/30S
		PL18S-3/35S	PL18S-3/35S	PL18S-3/35S
		PL20S-3/SPS	PL20S-3/SPS	PL20S-3/SPS

Variations

K- Additional Full Coil Coat Protection (Outdoor Unit)	Optional	Optional	Optional
R - [9] Demand Response Capability (AS4755.3)	Standard	Standard	Standard

Field Piping and Connections

Refrigerant Charge	Factory Charge - (g)	5425	6225	7775
	Pre-Charge Length - (m)	15	15	15
	Additional Refrigerant Charge - (g/m)	50	50	50
Maximum Field Pipe Length Range - (m)		60	60	60
Maximum Vertical Height Differential - (m) included in max length		20	20	20
Field Pipe Size	Liquid Pipe - mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas Pipe - mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
Outdoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged
Indoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/4) swaged	9.52 (3/4) swaged
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	22.22 (7/8) cut swaged end
Condensate Drain Connection - Size		20mm OD	20mm OD	20mm ID
Safety Tray Connection - Size		20mm ID	20mm ID	20mm ID
Air Duct	Supply Duct H x W - (mm)	300 x 715	300 x 715	300 x 715
	Return Duct H x W - (mm)	340 x 1100	340 x 1100	360 x 1140

*For more information refer to Controls and Accessories section.
0-9 Please see Product Foot Notes on Page 37

5 YEAR Warranty
Conditions Apply

ARC Refrigerant Trading Authorisation No.: AU06394

MEPS CERTIFIED

ActronAir
Australian for air conditioning

ESP ULTIMA PLATINUM

SINGLE PHASE | LOW NOISE FAN | TRU INVERTER | VERTICAL DISCHARGE | VAV TECHNOLOGY
COIL PROTECTION | VARIABLE FAN TECHNOLOGY | LOUVRE | ECM FAN | VARIABLE CAPACITY

AUSTRALIAN DESIGNED & BUILT

Superior 50°C -15°C Operating range

Features

- The most comfortable ducted split system with lowest running costs in its class
- Incorporates the energy efficient design features of the ESP Platinum Plus with Variable Air Volume (VAV) technology to deliver individual temperature zone control
- Tru-Max™ for continual operation at maximum capacity
- Tru-Inverter™ compressor and drive technology with variable capacity (20%-100%)
- High efficiency EC indoor fan motor
- Quick precise temperature control
- Variable Fan Technology (VFT) for improved energy efficiency
- Individual zone controllers set the temperature in each individual zone
- Superior operating range:
  Cooling: up to 50ºC DB
  Heating: down to -15ºC DB
- Louvre grille protection
- Blue fin epoxy coated coil protection to condenser
- Powder coated outdoor panels to withstand 1000-hour salt spray exposure AS/NZS 4506:2005
- Vertical condenser air discharge
- Sound Reduction System (SRS)
- Slimline 7 day 8 zone wall controller included with zone module factory fitted
- Manual inputs available for 3rd party on/off control
- MEPS compliant

Technical Information

		Single Phase		
OUTDOOR MODEL		CRV2-14AS	CRV3-17AS	CRV4-19AS
INDOOR MODEL		ERM2-14AS	ERM3-17AS	ERM4-19AS
[1] Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Rated)	12.77	14.45	17.55
	Heating (Rated)	13.60	16.55	18.50
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Min/Rated/TRU-MAX*)	2.85 / 12.50 / 14.40	3.50 / 14.00 / 17.00	4.00 / 17.00 / 19.00
	Heating (Min/Rated/TRU-MAX*)	2.70 / 14.00 / 15.40	3.60 / 17.00 / 19.00	3.75 /19.00 / 20.00
Input Power (kW) (AS/NZS3823.1.2)	Cooling (Rated)	3.79	4.17	5.10
	Heating (Rated)	3.64	4.72	5.14
[2] EER Rated (AS/NZS3823.1.2)	Cooling (Rated)	3.30	3.36	3.33
[3] COP Rated (AS/NZS3823.1.2)	Heating (Rated)	3.85	3.60	3.70
Power Supply (V / Ph / Hz)	Outdoor	230V / 1Ph + N / 50Hz		
	Indoor	230V / 1Ph + N / 50Hz		
Rated Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	14.3 / 2.8 / 17.1	15.4 / 3.5 / 18.9	18.9 / 4.0 / 22.9
Full Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	21.6 / 2.9 / 24.5	26.2 / 3.5 / 29.7	26.9 / 4.0 / 30.9
[4] Circuit Breaker Amps (Suggested)		25.0	32.0	32.0
IP Rating	Outdoor	IP44		
	Indoor	IP20		
Compressor	Type / No. per Unit	Tru-Inverter Variable Speed Scroll / 1		
	Starting Method	Inbuilt Soft Starting		
No. Refrigeration Circuits/No. Capacity Stages (Capacity range)		1 / Variable Capacity (20-100%)		
Refrigerant		R410a		
Fans (Type x Number per unit)	Outdoor	Axial / 6 Pole External Rotor / Direct Drive x 2		
	Indoor	Twin Deck Centrifugal / ECM Direct Drive x 1		
Airflow Range Indoor (l/s)	Maximum	900	1000	1150
	Nominal	660	750	900
	Minimum	170	200	240
Outdoor Dimensions (mm)	Depth	580	580	580
	Height	990	1045	1045
	Width	1320	1460	1460
Indoor Dimensions (mm)	Depth	615	615	680
	Height	412	412	435
	Width	1290	1290	1420
[5] Nominal Weight (kgs)	Outdoor	136	150	160
	Indoor	59	62	76
[6] Sound Pressure Level (dBA)	Outdoor (low/high fan)	47 / 52	48 / 54	48 / 54
[7] Sound Power Level (dBA)	Outdoor (low/high fan)	64 / 69	65 / 71	65 / 71
MEPS Certified		Yes	Yes	Yes

Control Features

LM7-D Wall Controller (8 Zone)	Included	Included	Included
LM24W Wall Controller (8 Zone) - Secondary Master Controller	Optional	Optional	Optional
LM-ZC Controller	Optional	Optional	Optional
LM-ZS Zone Sensor	Optional	Optional	Optional
Home Automation / Remote ON / OFF Capability	Yes	Yes	Yes
ActronConnect module for wireless control	Optional	Optional	Optional
Maximum Number of Zones	8	8	8

*TRU-MAX™ continual operation at maximum capacity

Options & Accessories

		Single Phase		
OUTDOOR MODEL		CRV2-14AS	CRV3-17AS	CRV4-19AS
INDOOR MODEL		ERM2-14AS	ERM3-17AS	ERM4-19AS
Compressor Soft Start		Yes	Yes	Yes
Indoor Drain Kit (ADRKT) - Included		Yes	Yes	Yes
Indoor Unit Integral Fan Coil Safety Tray - Included		Yes	Yes	Yes
Optional Outdoor Drain Tray - Model		CDT20	CDT22	CDT22
Hanging Kit (AHKFC)		Optional	Optional	Optional
Return Air Plenum*		PL18R-2/35S	PL18R-2/35S	PL19R-2/40S
		PL20R-2/40S	PL20R-2/40S	PL19R-2/45S
Supply Air Plenum*	2 - Way	PL18S-2/35S	PL18S-2/35S	PL18S-2/35S
		PL20S-2/40S	PL20S-2/40S	PL20S-2/40S
	3 - Way	PL13S-3/30S	PL13S-3/30S	PL13S-3/30S
		PL18S-3/35S	PL18S-3/35S	PL18S-3/35S
		PL20S-3/SPS	PL20S-3/SPS	PL20S-3/SPS

Variations

K- Additional Full Coil Coat Protection (Outdoor Unit)	Optional	Optional	Optional
R - [9] Demand Response Capability (AS4755.3)	Standard	Standard	Standard

Field Piping and Connections

Refrigerant Charge	Factory Charge - (g)	5425	6225	7775
	Pre-Charge Length - (m)	15	15	15
	Additional Refrigerant Charge - (g/m)	50	50	50
Maximum Field Pipe Length Range - (m)		60	60	60
Maximum Vertical Height Differential - (m) included in max length		20	20	20
Field Pipe Size	Liquid Pipe - mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas Pipe - mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
Outdoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged
Indoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/4) swaged	9.52 (3/4) swaged
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	22.22 (7/8) cut swaged end
Condensate Drain Connection - Size		20mm OD	20mm OD	20mm ID
Safety Tray Connection - Size		20mm ID	20mm ID	20mm ID
Air Duct	Supply Duct H x W - (mm)	300 x 715	300 x 715	300 x 715
	Return Duct H x W - (mm)	340 x 1100	340 x 1100	360 x 1140

*For more information refer to Controls and Accessories section.
0-9 Please see Product Foot Notes on Page 37

5 YEAR Warranty
Conditions Apply

ARC Refrigerant Trading Authorisation No.: AU06394

MEPS CERTIFIED

ActronAir
Australian for air conditioning

THREE PHASE | LOW NOISE FAN | TRI-CAPACITY | VERTICAL DISCHARGE | COIL PROTECTION | LOUVRE | EC PLUG FAN

TRI-CAPACITY™

AUSTRALIAN DESIGNED & BUILT | Superior 50°C -10°C operating range

Features

- Unique Tri-Capacity Operation
- Delivers 3 steps of cooling/heating (~33%, 66% or 100% capacity)
- High efficiency EC plug fan for improved energy efficiency
- User-friendly Electrical Control Board
- Programmable indoor air flow settings for faster and more accurate commissioning
- Blue fin epoxy coated coil protection to evaporator and condenser
- High static evaporator fan (up to 500pa)
- High performance outdoor condenser coil
- Flexibility in supply air configurations
- TX Valve refrigerant control
- Lockable 3 Phase Load Break Isolation Switch
- Hyblade™ condenser fan
- Louvre grille protection
- Powder coated outdoor panels to withstand 1000-hour salt spray exposure AS/NZS 4506:2005
- Vertical condenser air discharge
- Optional C7-4 controller available
- Manual inputs available for 3rd party control
- 25mm Foil Faced Polyethylene Insulation - Indoor Unit
- MEPS compliant

Technical Information

OUTDOOR MODEL / INDOOR MODEL		CAY470T-6Q2 EVY470T-6Q2 Std Profile	CAY470T-6Q2 ELY470T-6Q2 Low Profile	CAY540T-6Q2 EVY540T-6Q2 Std Profile	CAY540T-6Q2 ELY540T-6Q2 Low Profile	CAY620T-6Q2 EVY620T-6Q2 Std Profile	CAY620T-6Q2 ELY620T-6Q2 Low Profile	CAY700T-6Q2 EVY700T-6Q2 Std Profile	CAY700T-6Q2 ELY700T-6Q2 Low Profile
[1] Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling	47.00	47.00	53.50	53.50	63.00	63.00	71.00	71.00
	Heating	46.00	46.00	51.50	51.50	60.00	60.00	67.00	67.00
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling	45.77	46.00	51.85	52.20	60.80	61.00	68.17	68.30
	Heating	47.37	47.20	53.20	52.96	62.47	62.30	70.20	70.00
Input Power (kW) (AS/NZS3823.1.2)	Cooling	15.40	15.42	17.57	17.57	20.50	20.35	24.12	23.94
	Heating	14.16	14.02	16.20	16.03	20.15	19.98	22.32	22.12
[2] EER Rated (AS/NZS3823.1.2)	Cooling	2.97	2.98	2.95	2.97	2.97	3.00	2.83	2.85
[3] COP Rated (AS/NZS3823.1.2)	Heating	3.35	3.37	3.28	3.30	3.10	3.12	3.15	3.16
Power Supply (V / Ph / Hz)	Outdoor	415V / 3Ph + N / 50Hz							
	Indoor	415V / 3Ph + N / 50Hz							
Rated Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	25.9 / 2.1 / 28.0	25.9 / 1.7 / 27.6	28.3 / 2.7 / 31.0	28.3 / 2.2 / 30.5	35.7 / 3.5 / 39.2	35.7 / 3.2 / 38.9	40.6 / 4.5 / 45.1	40.6 / 4.2 / 44.8
Full Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	35.5 / 4.8 / 40.3	35.5 / 4.6 / 40.1	38.0 / 4.8 / 42.8	38.0 / 4.6 / 42.6	46.4 / 6.4 / 52.8	46.4 / 6.2 / 52.6	52.8 / 6.4 / 59.2	52.8 / 6.2 / 59.0
[4] Circuit Breaker Amps (Suggested)		50.0				63.0		80.0	
IP Rating	Outdoor	IP44							
	Indoor	IP20							
Compressor	Type / No. per Unit	Compliant Scroll / 2							
	Starting Method	D.O.L.							
No. Refrigeration Circuits/No. Capacity Stages (Capacity range)		2 / Tri-Capacity (~33% 66% 100%)							
Refrigerant		R410a							
Fans (Type x Number per unit)	Outdoor	Axial Low Noise / 6 Pole External Rotor / Direct Drive x 3							
	Indoor	Variable Speed EC Motor Direct Drive Backward Curve Plug Fan x 1 (EVY Models), 2 (ELY Models)							
Airflow Range Indoor (l/s)	Maximum	2900		3300		3900		4100	
	Nominal	2400		2700		3200		3600	
	Minimum	1900		2100		2500		2800	
External Static Pressure (Pa) at:	Maximum Airflow	305	325	125	75	155	175	75	
	Nominal Airflow	500		390	450	410	500	270	340
Outdoor Dimensions (mm)	Depth	1195				1195			
	Height	1465				1695			
	Width	2305				2305			
Indoor Dimensions (mm)	Depth	1450	1160	1450	1160	1450	1160	1450	1160
	Height	1280	770	1280	770	1510	895	1510	895
	Width	1590	2410	1590	2410	1590	2410	1590	2410
[5] Nominal Weight (kgs)	Outdoor	532		542		577		604	
	Indoor	292	268	298	277	340	318	340	318
[6] Sound Pressure Level (dBA)	Outdoor (low/high fan)	58 / 63				59 / 64			
[7] Sound Power Level (dBA)	Outdoor (low/high fan)	75 / 80				76 / 81			
MEPS Certified		Yes	Yes	Yes	Yes	Yes	Yes	BCA Compliant	

Control Options and Features ^

	CAY470T-6Q2 EVY470T-6Q2 Std Profile	CAY470T-6Q2 ELY470T-6Q2 Low Profile	CAY540T-6Q2 EVY540T-6Q2 Std Profile	CAY540T-6Q2 ELY540T-6Q2 Low Profile	CAY620T-6Q2 EVY620T-6Q2 Std Profile	CAY620T-6Q2 ELY620T-6Q2 Low Profile	CAY700T-6Q2 EVY700T-6Q2 Std Profile	CAY700T-6Q2 ELY700T-6Q2 Low Profile
Control Interface with LCD Display for System Operation	Included	Included	Included	Included	Included	Included	Included	Included
Automatic / Manual Operation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7 Day Programmable Time-Clock	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
365 Day Time-Clock With 12 Special Days	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Compressor Discharge Temperature Control	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Adjustable Indoor Fan Airflow Setpoint	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Indoor Coil Anti-Freeze Protection	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Return Air Offset	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
High and Low Pressure Protection	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Alarm Fault Data Logger	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
BMS Compatibility	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Group Control (up to 15 systems)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional

^ New controls available mid 2014. Please check with ActronAir for availability date.

Options & Accessories

OUTDOOR MODEL / INDOOR MODEL	CAY470T-6Q2 EVY470T-6Q2 Std Profile	CAY470T-6Q2 ELY470T-6Q2 Low Profile	CAY540T-6Q2 EVY540T-6Q2 Std Profile	CAY540T-6Q2 ELY540T-6Q2 Low Profile	CAY620T-6Q2 EVY620T-6Q2 Std Profile	CAY620T-6Q2 ELY620T-6Q2 Low Profile	CAY700T-6Q2 EVY700T-6Q2 Std Profile	CAY700T-6Q2 ELY700T-6Q2 Low Profile
Low Ambient / High Static Outdoor Fans	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Indoor Unit Integral Fan Coil Safety Tray - Included	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Air Handing

F - Front Discharge (EVY & ELY Models Only)	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
T - Top Discharge (CAY Models Only)	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
T- Top Discharge (EVY Models Only)	Optional	-	Optional	-	Optional	-	Optional	-

Variations

D - Fault Detection (Outdoor Unit Only)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
K - Additional Full Coil Coat Protection (Outdoor Unit Only)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
L - Additional Full Coil Coat Protection (Indoor Unit Only)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
R - [9] Demand Response Capability (AS4755.3)	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
U - Low Ambient +5°C	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
W - Three-Phase Sequence Protection Relay (Outdoor Unit Only)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Y - Powder Coating (Indoor Unit Only)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Z - Compressor 3-Phase Soft Starter (Outdoor Unit Only)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional

Field Piping and Connections

Refrigerant Charge (Crt #1 & Crt #2)	Factory Charge - (g)	5200 & 10,900	7100 & 13,600	7900 & 15,400	9200 & 15,500
	Pre-Charge Length - (m)	5	5	5	5
	Additional Refrigerant Charge - (g/m)	50 & 165	50 & 165	100 & 165	100 & 165
Maximum Field Pipe Length Range - (m)		75			
Maximum Vertical Height Differential - (m) included in max length		20			
Field Pipe Size (Crt #1 & Crt #2)	Liquid Pipe - mm (inch)	9.52 (3/8) & 15.90 (5/8)	9.52 (3/8) & 15.90 (5/8)	12.70 (1/2) & 15.90 (5/8)	12.70 (1/2) & 15.90 (5/8)
	Gas Pipe - mm (inch)	19.05 (3/4) & 28.6 (1-1/8)	22.22 (7/8) & 28.6 (1-1/8)	25.40 (1) & 28.6 (1-1/8)	25.40 (1) & 28.6 (1-1/8)
Outdoor Unit Connection (Crt #1 & Crt #2)	Liquid Pipe - mm (inch)	9.52 (3/8) & 15.90 (5/8)	9.52 (3/8) & 15.90 (5/8)	12.70 (1/2) & 15.90 (5/8)	12.70 (1/2) & 15.90 (5/8)
	Gas Pipe - mm (inch)	19.05 (3/4) & 28.6 (1-1/8)	22.22 (7/8) & 28.6 (1-1/8)	25.40 (1) & 28.6 (1-1/8)	25.40 (1) & 28.6 (1-1/8)
Indoor Unit Connection (Crt #1 & Crt #2)	Liquid Pipe - mm (inch)	9.52 (3/8) & 15.90 (5/8)	9.52 (3/8) & 15.90 (5/8)	12.70 (1/2) & 15.90 (5/8)	12.70 (1/2) & 15.90 (5/8)
	Gas Pipe - mm (inch)	19.05 (3/4) & 28.6 (1-1/8)	22.22 (7/8) & 28.6 (1-1/8)	25.40 (1) & 28.6 (1-1/8)	25.40 (1) & 28.6 (1-1/8)
Condensate Drain Connection - (Size /Type)		25.4 mm (1") Ø/BSP Female Thread			
Safety Tray Connection - Size/Type		25.4 mm (1") Ø/BSP Socket			
Air Duct	Supply Duct H x W - (mm)	580 x 650	380 x 1000	580 x 650	380 x 1000	580 x 650	380 x 1000	580 x 650	380 x 1000
	Return Duct H x W - (mm)	1130 x 1135	620 x 2000	1130 x 1135	620 x 2000	1360 x 1135	745 x 2000	1360 x 1135	745 x 2000

0-9 Please see Product Foot Notes on Page 37

2 YEAR Warranty Conditions Apply

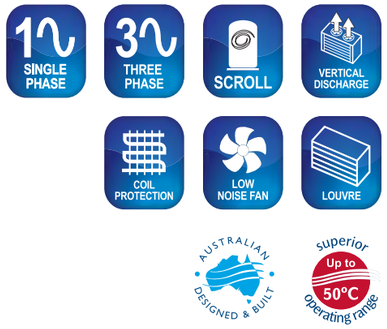
ARC Refrigerant Trading Authorisation No.: AU06394

MEPS CERTIFIED

BCA

N2018

ActronAir
Australian for air conditioning



Features

- Add on air conditioning designed for use with gas ducted heating systems
- May be able to utilise the same duct work to remove heat and humidity
- Fixed speed –100% capacity operation
- Superior operating range:
  Cooling: up to 50ºC DB
- Louvre grille protection
- Blue fin epoxy coated coil protection to condenser
- Powder coated outdoor panels to withstand 1000-hour salt spray exposure AS/NZS 4506:2005
- Vertical condenser air discharge
- Manual inputs available for 3rd party control
- MEPS compliant

Technical Information

		Single Phase			Three Phase				
OUTDOOR MODEL		SRC131C	SRC151C	SRC171C	SRC133C	SRC153C	SRC173C	SRC203C	SRC233C
INDOOR MODEL		SRA131A	SRA151A	SRA171A	SRA131A	SRA151A	SRA171A	SRA201A	SRA231A
[0] Nominal Capacity (kW)	(low/med/high)	12.28/12.33/12.82	14.94/15.36/15.78	16.65/16.96/17.49	12.12/12.33/12.92	14.33/14.66/15.08	16.85/17.26/17.68	18.77/19.09/19.70	22.28/23.22/23.89
[0] Nominal Input Power	(low/med/high)	3.21/3.22/3.23	4.00/4.02/4.04	4.55/4.57/4.59	3.03/3.04/3.07	3.85/3.86/3.87	4.37/4.44/4.49	5.25/5.26/5.27	5.95/6.00/6.03
[0] Nominal EER	(low/med/high)	3.82/3.83/3.97	3.74/3.82/3.91	3.66/3.71/3.81	4.00/4.06/4.21	3.72/3.80/3.90	3.86/3.89/3.94	3.58/3.63/3.74	3.74/3.87/3.96
Nett Capacity (kW)	(low/med/high)	12.15/12.20[23]/12.65	14.80[23]/15.20/15.60	16.50[23]/16.80/17.30	12.20/12.20[23]/12.75	14.20/14.50[23]/14.90	16.70[23]/17.10/17.50	18.60[23]/18.90/19.50	22.10[23]/23.00/23.65
Nett Input Power (kW)	(low/med/high)	3.34/3.35[23]/3.40	4.14[23]/4.18/4.22	4.70[23]/4.73/4.77	3.15/3.17[23]/3.23	3.98/4.02[23]/4.05	4.52[23]/4.61/4.67	5.42[23]/5.45/5.47	6.14[23]/6.21/6.28
[2] Nett EER	(low/med/high)	3.64/3.64/3.72	3.57/3.64/3.70	3.51/3.55/3.63	3.81/3.85/3.95	3.57/3.61/3.68	3.69/3.71/3.75	3.43/3.47/3.56	3.60/3.70/3.77
Airflow Indoor (l/s)	(low/med/high)	590/640/850	690/810/950	765/840/980	590/640/850	690/810/950	765/840/980	900/985/1120	980/1200/1400
Coil Static Pressure Drop (Wet/Dry) Pa		100/71	77/55	102/73	100/71	95/68	102/73	102/73	105/74
Power Supply - (V/Ph/Hz)		230V / 1Ph+N / 50Hz			400V / 3Ph+N / 50Hz				
Outdoor Unit Rated Amps (AS/NZS3823.1.2)		14.4	14.4	20.2	6.2	7.2	8.6	10.4	12.0
Outdoor Unit Full Load Amps (AS/NZS3823.1.2)		23.1	23.9	30.7	8.3	11.7	12.3	13.9	15.9
[4] Circuit Breaker Amps (Suggested)		32.0	32.0	40.0	16.0	20.0	20.0	20.0	25.0
IP Rating	Outdoor Unit	IP44							
Compressor	Type/No. per Unit	Compliant Scroll / 1							
	Starting Method	Soft Starter			D.O.L.				
No. of refrigeration Circuits/No of 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							
Outdoor Dimensions (mm)	Depth	580	580	580	580	580	580	580	685
	Height	990	990	1045	990	990	1045	1045	1105
	Width	1320	1320	1460	1320	1320	1460	1460	1685
Indoor Dimensions (mm)	Depth	340	340	340	340	340	340	340	340
	Height	412	412	412	412	412	412	435	485
	Width	1050	1250	1250	1050	1250	1250	1355	1405
[5] Nominal Weight (kgs)	Outdoor	135	136	176	133	135	174	185	200
	Indoor	27	30	32	27	30	32	38	41
[6] Sound Pressure Level (dBA)	Outdoor (low/high fan)	50 / 52	50 / 52	52 / 54	50 / 52	50 / 52	52 / 54	52 / 54	54 / 58
[7] Sound Power Level (dBA)	Outdoor (low/high fan)	67 / 69	67 / 69	69 / 71	67 / 69	67 / 69	69 / 71	69 / 71	71 / 75
MEPS Certified		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Control Features

Home Automation / Remote ON / OFF Capability	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Manual Inputs Capable for Third Party Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
24V Relay	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Options & Accessories

		Single Phase			Three Phase				
OUTDOOR MODEL		SRC131C	SRC151C	SRC171C	SRC133C	SRC153C	SRA173C	SRC203C	SRC233C
INDOOR MODEL		SRA131A	SRA151A	SRA171A	SRA131A	SRA151A	SRA171A	SRA201A	SRA231A
Compressor Soft Start - Included		Yes	Yes	Yes	Optional	Optional	Optional	Optional	Optional
Indoor Drain Kit (ADRKT) - Included		Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Indoor Unit Integral Fan Coil Safety Tray - Included		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Optional Outdoor Drain Tray - Model		CDT20	CDT20	CDT22	CDT20	CDT20	CDT22	CDT22	CDT35
Hanging Kit (AHKFC)		Optional							
Duct Plates*		PLDP-2/350 PLDP-2/400	PLDP-2/400		PLDP-2/350 PLDP-2/400	PLDP-2/400		PLDS-2/400	PLDT-2/450
Supply Air Plenum*	1 - Way	PL18S-1/40S						n/a	n/a
	2 - Way	PL18S - 2/35S						n/a	n/a
		PL20S - 2/40S						n/a	n/a
	3 - Way	PL13S - 3/30S						n/a	n/a
		PL18S - 3/35S						n/a	n/a
		PL20S - 3/SPS						n/a	n/a

Variations

D - Fault Detection (Outdoor Unit)	N / A	N / A	N / A	Optional	Optional	Optional	Optional	Optional
H - Horizontal Discharge Fan (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
K- Coil Protection (Outdoor Unit)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
R - [9] Demand Response Capability (AS4755.3)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Z - Compressor Soft Starter (Outdoor Unit)	[9] Standard	[9] Standard	[9] Standard	Optional	Optional	Optional	Optional	Optional

Field Piping and Connections

Refrigerant Charge	Factory Charge - (g)	5450	4650	6650	5250	4650	7350	7450	8050
	Pre-Charge Length - (m)	15	15	15	15	15	15	15	10
	Additional Refrigerant Charge - (g/m)	50	50	50	50	50	50	50 / 100	100
Maximum Field Pipe Length Range - (m)		0 - 60	0 - 60	0 - 60	0 - 60	0 - 60	0 - 60	0 - 20 / 20 - 60	0 - 60
Maximum Vertical Height Differential - (m) included in max length		20	20	20	20	20	20	20 / 20	20
Field Pipe Size	Liquid Pipe - mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8) / 12.70 (1/2)	12.70 (1/2)
	Gas Pipe - mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	[11] 22.22 (7/8) / 22.22 (7/8)	25.40 (1)
Outdoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged / 9.52 (3/8) cut swage end	12.70 (1/2) swaged
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	22.22 (7/8) swaged / 22.22 (7/8) swaged	22.22 (7/8) swaged to fit 25.4 (1")
Indoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged	9.52 (3/8) swaged / 9.52 (3/8) cut swage end	12.70 (1/2) swaged
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	19.05 (3/4) swaged	22.22 (7/8) swaged / 22.22 (7/8) swaged	25.40 (1) to be swaged in field
Condensate Drain Connection - Size		20mm OD						20mm ID	25mm ID
Safety Tray Connection - Size		20mm ID							25mm ID
Air Duct (Opening only, no flange)	Supply Duct H x W - (mm)	300 x 715							380 x 825
	Return Duct H x W - (mm)	340 x 900	340 x 1100		340 x 900	340 x 1100		360 x 1140	410 x 1190

*For more information refer to Controls and Accessories section.

0-11 Please see Product Foot Notes on Page 37

5 YEAR Warranty Conditions Apply

ARC Refrigerant Trading Authorisation No.: AU06394

MEPS CERTIFIED

N2018

ActronAir
Australian for air conditioning

THREE PHASE · LOW NOISE FAN · SCROLL · VERTICAL DISCHARGE · COIL PROTECTION · ECM FAN · LOUVRE · CENTRIFUGAL FAN

AUSTRALIAN DESIGNED & BUILT · superior 50°C -10°C operating range

Features

- Reverse cycle ducted packaged unit
- 1 step and/or 2 step of cooling/heating operation
- Superior operating range:
  Cooling: up to 50ºC DB
  Heating: down to -10ºC DB
- Two speed outdoor fan
- Indoor fan three speed - PCA series
- Indoor fan dial up air-flow adjustment - PCG series
- Interlaced evaporator coil for full face cooling on two stage systems
- High performance outdoor condenser coil
- Louvre grille protection
- Blue fin epoxy coated coil protection to condenser
- Powder coated outdoor panels to withstand 1000-hour salt spray exposure AS/NZS 4506:2005
- Vertical condenser air discharge
- Optional C7-4 controller available
- Manual inputs available for 3rd party control
- MEPS compliant

Package Model - Under/Over Configuration

Technical Information											
		PCG153U	PCG173U	PCG203U	PCG233U	PCA260U	PCG290U	PCA330U	PCA300U	PCA340U	PCG400U
[1] Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling	15.27	17.56	19.69	22.95	25.15	29.50	34.66	28.90	35.22	40.80
	Heating	14.45	17.38	18.75	22.30	24.30	27.40	32.73	27.30	33.78	37.85
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling	14.68	16.99	19.06	22.35	24.00	28.30	33.00	27.70	33.50	39.20
	Heating	15.00	17.92	19.34	23.00	25.50	28.60	34.50	28.50	35.50	39.50
Input Power (kW) (AS/NZS3823.1.2)	Cooling	4.43	5.04	5.86	6.59	7.65	8.45	10.48	8.50	10.55	12.76
	Heating	3.95	4.58	5.23	6.15	7.55	7.97	10.30	8.72	10.37	11.97
[2] EER Rated (AS/NZS3823.1.2)	Cooling	3.31	3.37	3.25	3.39	3.14	3.35	3.15	3.26	3.18	3.07
[3] COP Rated (AS/NZS3823.1.2)	Heating	3.80	3.91	3.70	3.74	3.38	3.59	3.35	3.27	3.42	3.30
Power Supply (V / Ph / Hz)		400 - 415V / 3Ph + N / 50Hz									
Rated Load Amps (AS/NZS3823.1.2)		11.3	12.8	13.5	16.8	18.3	24.5	23.3	20.1	23.4	36.2
Full Load Amps (AS/NZS3823.1.2)		16.0	16.6	19.8	22.3	23.5	30.9	29.7	27.1	31.4	46.4
[4] Circuit Breaker Amps (Suggested)		20.0	20.0	20.0	25.0	25.0	32.0	32.0	32.0	32.0	50.0
IP Rating		IP44									
Compressor	Type / No. per Unit	Compliant Scroll / 1							Compliant Scroll / 2		
	Starting Method	D.O.L.							D.O.L.		
No. Refrigeration Circuits/No. Capacity Stages (Capacity range)		1 / 1 (100% capacity)							2 / 2 (50%, 100% capacity)		
Refrigerant		R410a									
Fans (Type x Number per unit)	Outdoor	Axial / 6 Pole External Rotor / Direct Drive x 2									
	Indoor	Twin Deck Centrifugal / ECM Direct Drive x 1				Twin Deck Centrifugal / 4 Pole / Direct Drive x 1	Twin Deck Centrifugal / ECM Direct Drive x 1	Twin Deck Centrifugal / 4 Pole / Direct Drive x 1			Twin Deck Centrifugal / ECM Direct Drive x 1
Airflow Range Indoor (l/s)	Maximum	880	900	1150	1380	1452	1650	1892	1650	1892	2250
	Nominal	770	850	1000	1200	1320	1500	1720	1500	1720	2050
	Minimum	690	770	900	1020	1122	1275	1462	1275	1462	1750
External Static Pressure (Pa) at:	Maximum Airflow	81	116	140	178	135	266	132	185	132	170
	Nominal Airflow	178	164	186	110	200	285	205	240	205	236
Unit Dimensions (mm)	Depth	1175	1185		1265		1590				
	Height	995	1050		1115		1330				1315
	Width	1320	1460		1685		1875				
[5] Nominal Weight (kgs)		227	236	283	310	355	450	470	460	500	510
[6] Sound Pressure Level (dBA)	Outdoor (low/high fan)	51.0 / 53.0	52.0 / 54.0	52.0 / 54.0	55.0 / 59.0	55.0 / 59.0	56.9 / 60.9	58.8 / 62.8	56.9 / 60.9	58.8 / 62.8	62.0 / 65.0
[7] Sound Power Level (dBA)	Outdoor (low/high fan)	68.0 / 70.0	69.0 / 71.0	69.0 / 71.0	71.0 / 75.0	72.0 / 76.0	73.9 / 77.9	75.8 / 79.8	73.9 / 77.9	75.8 / 79.8	79.0 / 82.0
MEPS Certified		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Control Features										
C7-4 Wall Controller (BCA Compliant)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Home Automation / Remote ON / OFF Capability	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Manual Inputs Capable for Third Party Control	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Remote Temperature Sensor	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Secondary Master Controller	No	No	No	No	No	No	No	No	No	No
Maximum Number of Zones	4	4	4	4	4	4	4	4	4	4

Variations										
D - Fault Detection	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
K- Coil Protection (Fan Coil & Outdoor Unit)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
P- Coil Protection (Indoor Coil)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
R - [9] Demand Response Capability (AS4755.3)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
W - Phase Sequence Protection Relay	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Z - Compressor Soft Starter	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional

Installation Information											
Refrigerant Factory Charge - (g)		4050	6750	6850	6800	9310	10,430	12,320	2 x 4525	2 x 6910	2 x 7625
Condensate Drain Connection - Size		20mm OD		25mm ID							25.4mm ID BSP Female Thread and 25.4mm ID BSP Socket
Air Duct	Supply Duct H x W - (mm)	300 x 715		300 x 740	300 x 850	300 x 1065					
	Return Duct H x W - (mm)	340 x 1100	350 x 1150	400 x 1200	400 x 1200	450 x 1250	525 x 1450	450 x 1250	525 x 1450	575 x 1595	

Package Model - Side By Side Configuration

Technical Information						
		PCG290L/R	PCG330L/R	PCG300L/R	PCG340L/R	PCG400L/R
[1] Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling	29.50	33.94	29.40	34.16	40.80
	Heating	27.40	31.53	27.20	31.82	37.85
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling	28.30	32.50	28.20	33.00	39.20
	Heating	28.60	32.90	28.30	32.90	39.50
Input Power (kW) (AS/NZS3823.1.2)	Cooling	8.45	9.94	8.55	9.96	12.76
	Heating	7.97	10.13	8.15	9.82	11.97
[2] EER Rated (AS/NZS3823.1.2)	Cooling	3.35	3.27	3.30	3.31	3.07
[3] COP Rated (AS/NZS3823.1.2)	Heating	3.59	3.25	3.47	3.36	3.30
Power Supply (V / Ph / Hz)		400V / 3Ph + N / 50Hz				
Rated Amps (AS/NZS3823.1.2)		24.5	27.6	22.2	25.5	36.2
Full Load Amps (AS/NZS3823.1.2)		30.9	34.4	31.4	36.1	46.4
[4] Circuit Breaker Amps (Suggested)		32.0	40.0	32.0	40.0	50.0
IP Rating		IP44				
Compressor	Type / No. per Unit	Compliant Scroll / 1		Compliant Scroll / 2		
	Starting Method	D.O.L.		D.O.L.		
No. Refrigeration Circuits/No. Capacity Stages (Capacity range)		1 /1 (100% capacity)		2 / 2 (50%, 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 2				
Airflow Range Indoor (l/s)	Maximum	1650	1900	1650	1900	2250
	Nominal	1500	1720	1500	1720	2050
	Minimum	1275	1450	1275	1450	1750
External Static Pressure (Pa) at:	Maximum Airflow	266	233	266	233	170
	Nominal Airflow	285	296	285	296	236
Unit Dimensions (mm)	Depth	1590				
	Height	1330				1315
	Width	1875				
[5] Nominal Weight (kgs)		450	480	470	500	510
[6] Sound Pressure Level (dBA)	Outdoor (low/high fan)	56.9 / 60.9	58.8 / 62.8	56.9 / 60.9	58.8 / 62.8	62.0 / 65.0
[7] Sound Power Level (dBA)	Outdoor (low/high fan)	73.9 / 77.9	75.8 / 79.8	73.9 / 77.9	75.8 / 79.8	79.0 / 82.0
MEPS Certified		Yes	Yes	Yes	Yes	Yes

Control Features					
C7-4 Wall Controller (BCA Compliant)	Optional	Optional	Optional	Optional	Optional
Home Automation / Remote ON / OFF Capability	Optional	Optional	Optional	Optional	Optional
Manual Inputs Capable for Third Party Control	Optional	Optional	Optional	Optional	Optional
Remote Temperature Sensor	Optional	Optional	Optional	Optional	Optional

Variations					
D - Fault Detection	Optional	Optional	Optional	Optional	Optional
K- Coil Protection (Outdoor Coil)	Optional	Optional	Optional	Optional	Optional
P- Coil Protection (Indoor Coil)	Optional	Optional	Optional	Optional	Optional
R - [9] Demand Response Capability (AS4755.3)	Optional	Optional	Optional	Optional	Optional
W - Phase Sequence Protection Relay	Optional	Optional	Optional	Optional	Optional
Z - Compressor Soft Starter	Optional	Optional	Optional	Optional	Optional

Field Information						
Refrigerant Factory Charge - (g)		10,475	12,600	2 x 4525	2 x 6000	2 x 7625
Condensate Drain Connection - Size		25mm ID (2 Drain per unit)				25.4mm ID BSP Female Thread and 25.4mm ID BSP Socket
Air Duct	Supply Duct H x W - (mm)	830 x 400				850 x 400
	Return Duct H x W - (mm)	850 x 670	850 x 900	850 x 670	850 x 900	1000 x 900

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2 YEAR Warranty Conditions Apply

ARC Refrigerant Trading Authorisation No.: AU06394

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N2018

ActronAir
Australian for air conditioning

TRI-CAPACITY™

THREE PHASE | LOW NOISE FAN | TRI-CAPACITY | COIL PROTECTION | COIL PROTECTION | LOUVRE | EC PLUG FAN | VERTICAL DISCHARGE

AUSTRALIAN DESIGNED & BUILT

superior 50°C -10°C operating range

Technical Information

PACKAGE MODEL		PKY470T-6Q2	PKY540T-6Q2	PKY620T-6Q2	PKY700T-6Q2	PKY820T-3Q2	PKY960T-3Q2
[1] Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling	47.00	53.50	63.00	71.00	82.50	96.00
	Heating	46.00	51.50	60.00	67.00	80.00	92.00
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling	45.77	51.85	60.80	68.17	80.04	92.96
	Heating	47.37	53.20	62.47	70.20	82.75	95.40
Input Power (kW) (AS/NZS3823.1.2)	Cooling	15.40	17.57	20.50	24.12	27.21	32.54
	Heating	14.16	16.20	20.15	22.32	24.55	27.20
[2] EER Rated (AS/NZS3823.1.2) [3] COP Rated (AS/NZS3823.1.2)	Cooling	2.97	2.95	2.97	2.83	2.94	2.86
	Heating	3.35	3.28	3.10	3.15	3.37	3.51
Power Supply (V / Ph / Hz)		400 - 415V / 3Ph + N / 50Hz					
Rated Load Amps (AS/NZS3823.1.2)		28.0	31.0	39.2	45.1	50.6	60.0
Full Load Amps (AS/ NZS3823.1.2)		40.3	42.8	52.8	59.2	81.7	82.7
[4] Circuit Breaker Amps (Suggested)		50.0	50.0	63.0	80.0	100.0	100.0
IP Rating		IP44					
Compressor	Type / No. per Unit	Compliant Scroll / 2 (470-700 Models), 3 (820-960 Models)					
	Starting Method	D.O.L.					
No. Refrigeration Circuits/No. Capacity Stages (Capacity range)		2 (470-700 Models), 3 (820-960 Models) / Tri-Capacity (~33% 66% 100%) All Models					
Refrigerant		R410a					
Fans (Type x Number per unit)	Outdoor	Axial Low Noise / 6 Pole External Rotor / Direct Drive x 3					
	Indoor	Variable Speed ECM Direct Drive Backward Curve Plug Fan x 1 (6Q1 Models), 2 (3Q1 Models)					
Airflow Range Indoor (l/s)	Maximum	2900	3300	3900	4100	4800	6000
	Nominal	2400	2700	3200	3600	4000	5000
	Minimum	1900	2100	2500	2800	3200	4000
External Static Pressure (Pa) at:	Maximum Airflow	305	125	155	75	410	100
	Nominal Airflow	500	390	410	270	500	365
Unit Dimensions (mm)	Depth	2305				2250	
	Height	1465		1695		2155	
	Width	2365				2920	
[5] Nominal Weight (kgs)		836	853	937	964	1263	1350
[6] Sound Pressure Level (dBA)	Outdoor (low/high fan)	59 / 64		60 / 65		61 / 66	
[7] Sound Power Level (dBA)	Outdoor (low/high fan)	76 / 81		77 / 82		78 / 83	
MEPS Certified		Yes	Yes	Yes	BCA Compliant	BCA Compliant	BCA Compliant

Control Options and Features ^

Control Interface with LCD Display for System Operation	Included	Included	Included	Included	Included	Included
Automatic / Manual Operation	Yes	Yes	Yes	Yes	Yes	Yes
7 Day Programmable Time-Clock	Standard	Standard	Standard	Standard	Standard	Standard
365 Day Time-Clock With 12 Special Days	Standard	Standard	Standard	Standard	Standard	Standard
Compressor Discharge Temperature Control	Standard	Standard	Standard	Standard	Standard	Standard
Adjustable Indoor Fan Airflow Setpoint	Standard	Standard	Standard	Standard	Standard	Standard
Indoor Coil Anti-Freeze Protection	Standard	Standard	Standard	Standard	Standard	Standard
Return Air Offset	Standard	Standard	Standard	Standard	Standard	Standard
High and Low Pressure Protection	Standard	Standard	Standard	Standard	Standard	Standard
Alarm Fault Data Logger	Standard	Standard	Standard	Standard	Standard	Standard
BMS Compatibility	Optional	Optional	Optional	Optional	Optional	Optional
Group Control (up to 15 systems)	Optional	Optional	Optional	Optional	Optional	Optional

^ New controls available mid 2014. Please check with ActronAir for availability date.

Features

- Unique Tri-Capacity Operation
- Delivers 3 steps of cooling/heating (~33%, 66% or 100% capacity)
- High efficiency EC plug fan for improved energy efficiency
- User-friendly Electrical Control Board
- Programmable indoor air flow settings for faster & more accurate commissioning
- Blue fin epoxy coated coil protection to evaporator and condenser
- High static evaporator fan (up to 500pa)
- High performance outdoor condenser coil
- Flexibility in supply and return air configurations
- TX Valve refrigerant control
- Filter slides inbuilt to suit 96mm pleated filters
- Lockable 3 Phase Load Break Isolation Switch
- Hyblade™ condenser fan
- Louvre grille protection
- Powder coated outdoor panels to withstand 1000-hour salt spray exposure AS/NZS 4506:2005
- Vertical condenser air discharge
- BMS capability
- Ground Control capability
- 25mm Foil Faced Polyethylene Insulation - Indoor Unit
- MEPS compliant (PKY470 - PKY620)
- BCA compliant (PKY700 - PKY960)

Field Information

Refrigerant Factory Charge -(g) For 6Q1 Models - (Crt #1 & Crt #2), For 3Q1 Models (each Compressor)	4600 & 8800	5800 & 12,000	7200 & 12,700	8300 & 12,800	8,300 (each)	11,000 (each)
Condensate Drain Connection - Size/Type — Indoor Section	25.4 mm (1") Ø BSP Female Thread				31.8 mm (1-1/4") Ø BSP Female Thread	
Condensate Drain Connection - Size/Type — Outdoor Section	25.4 mm (1") Ø BSP Socket				31.8 mm (1-1/4") Ø BSP Socket	
Air Duct — Supply Duct H x W - (mm)	650 x 580				1200 x 600	
Air Duct — Return Duct H x W - (mm)	900 x 700				1200 x 600	

Variations

PACKAGE MODEL	PKY470T-6Q2	PKY540T-6Q2	PKY620T-6Q2	PKY700T-6Q2	PKY820T-3Q2	PKY960T-3Q2
D - Fault Detection	Optional	Optional	Optional	Optional	Optional	Optional
E- [8] Economy Starter Kit*	Optional	Optional	Optional	Optional	Optional	Optional
G- [8] Auto Outside Air Kit	Optional	Optional	Optional	Optional	Optional	Optional
H- [8] Manual Outside Air Kit	Optional	Optional	Optional	Optional	Optional	Optional
K- Additional Full Coil Coat Protection (Outdoor Coil)	Optional	Optional	Optional	Optional	Optional	Optional
L- Additional Full Coil Coat Protection (Indoor Coil)	Optional	Optional	Optional	Optional	Optional	Optional
R - [9] Demand Response Capability (AS4755.3)	Optional	Optional	Optional	Optional	Optional	Optional
U- Low Ambient +5°C	Optional	Optional	Optional	Optional	Optional	Optional
W - Three-Phase Sequence Protection Relay	Optional	Optional	Optional	Optional	Optional	Optional
X- IP55 Rated	Optional	Optional	Optional	Optional	Optional	Optional
Z - Compressor 3-Phase Soft Starter (Outdoor Unit Only)	Optional	Optional	Optional	Optional	Optional	Optional

* Outside Air Damper available on the LHS or RHS only.
Return Air Damper available on the front LHS or RHS only.

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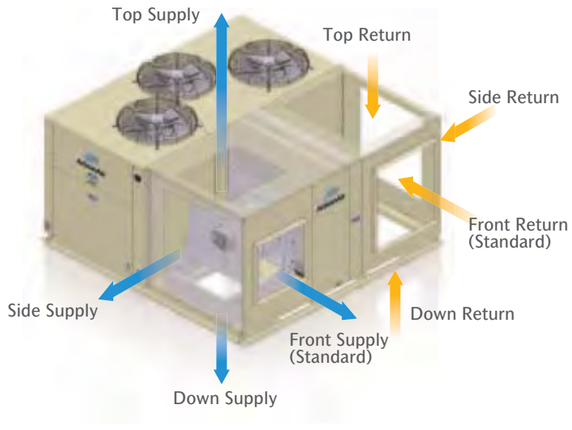
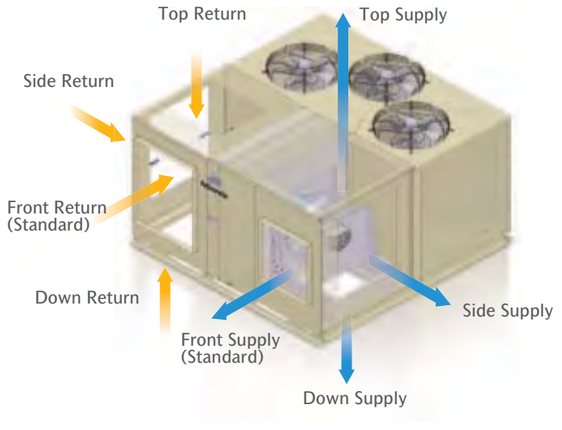
Air Handing Options

Standard Handing



Reverse Handing



2 YEAR Warranty Conditions Apply

ARC Refrigerant Trading Authorisation No.: AU06394

MEPS CERTIFIED

BCA

N2018

ActronAir
Australian for air conditioning

HERCULES

THREE PHASE | VARIABLE CAPACITY | EC OUTDOOR FAN | EC PLUG FAN | VARIABLE FAN TECHNOLOGY

LOUVRE | VERTICAL DISCHARGE | COIL PROTECTION | VARIABLE SPEED

arbs INDUSTRY AWARDS 2014 Finalist

Endeavour Awards

AUSTRALIAN DESIGNED & BUILT

superior 50°C -10°C operating range

Technical Information

PACKAGE MODEL		PKV1400T8R1		PKV1700T8R1		PKV2000T8R1	
		Part load Capacity	Maximum Capacity	Part load Capacity	Maximum Capacity	Part load Capacity	Maximum Capacity
[1] Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Min - Max)	110.00 (35.50 -140.00)	140.00 (35.50 -140.00)	140.00 (42.50 -169.11)	169.11 (42.50 - 169.11)	155.00 (49.00 -195.50)	195.50 (49.00 - 195.50)
	Heating	113.50	147.00	138.50	177.92	162.30	202.10
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling	106.68	135.00	137.12	163.31	150.50	187.50
	Heating	116.58	152.50	141.50	184.32	166.90	210.00
Total Input Power (kW) (AS/NZS3823.1.2)	Cooling	28.28	39.84	38.05	52.22	37.55	53.75
	Heating	24.82	34.00	31.90	48.03	38.40	51.70
Nett (Rated) Input Power (kW) (AS/NZS3823.1.2)	Cooling	31.60	44.84	40.93	58.02	42.05	61.75
	Heating	27.90	39.50	34.90	54.43	43.00	56.90
EER Total (AS/NZS3823.1.2) COP Total (AS/NZS3823.1.2)	Cooling	3.89	3.51	3.68	3.24	4.13	3.64
	Heating	4.57	4.32	4.34	3.70	4.23	3.91
[2] EER Rated (AS/NZS3823.1.2) [3] COP Rated (AS/NZS3823.1.2)	Cooling	3.38	3.01	3.35	2.81	3.58	3.04
	Heating	4.18	3.86	4.05	3.39	3.88	3.52
Power Supply (V / Ph / Hz)		400V / 3Ph + N / 50Hz					
Rated Amps (AS/NZS3823.1.2)		52.9	71.6	63.7	92.1	66.7	86.0
Full Load Amps (AS/ NZS3823.1.2)		89.9		114.1		117.0	
[4] Circuit Breaker Amps (Suggested)		100.00		125.0		125.0	
IP Rating		IP44					
Compressor	Type / No. per Unit	Variable Capacity Scroll with Inverter Drive / 2					
	Starting Method	Soft Start					
No. of Refrigeration Circuits/Capacity Range		2 / Variable (33.50kW-140.00kW)		2 / Variable (42.50kW-170.00kW)		2 / Variable (155.00kW-195.50kW)	
Refrigerant		R410a					
Fans (Type x Number per unit)	Outdoor	Variable Speed ECM / Direct Drive Axial Fan x 4					
	Indoor	Variable Speed ECM / Direct Drive Backward Curve Plug Fan x 4					
Airflow Indoor (l/s)	Maximum	6960	8880	8880	10680	9480	10890
	Nominal	5800	7400	7400	8900	7900	9900
	Minimum	4640	5920	5920	7120	6320	7920
External Static Pressure (Pa) at:	Maximum Airflow	500	210	455	230	470	75
	Nominal Airflow	500	465	500	450	500	415
Unit Dimensions (mm)	Depth	5250					
	Height	2360					
	Width	2265					
[5] Nominal Weight (kgs)		2456		2674		2702	
[6] Sound Pressure Level (dBA)	Outdoor (high/maximum)	54.4 / 66.2	59.1 / 66.2	59.1 / 66.2	61.9 / 66.2	60.7/ 66.2	66.2 / 66.2
[7] Sound Power Level (dBA)	Outdoor (high/maximum)	71.5 / 83.2	76.1 / 83.2	76.1 / 83.2	78.9 / 83.2	77.7 / 83.2	83.2 / 83.2
BCA Compliant		Yes	Yes	Yes	Yes	Yes	Yes

Control Options and Features

Control Interface with LCD Display for System Operation	Included	Included	Included	Included	Included	Included
Automatic / Manual Operation	Yes	Yes	Yes	Yes	Yes	Yes
7 Day Programmable Time-Clock	Standard	Standard	Standard	Standard	Standard	Standard
365 Day Time-Clock With 12 Special Days	Standard	Standard	Standard	Standard	Standard	Standard
Compressor Discharge Temperature Control	Standard	Standard	Standard	Standard	Standard	Standard
Adjustable Indoor Fan Airflow Setpoint	Standard	Standard	Standard	Standard	Standard	Standard
Indoor Coil Anti-Freeze Protection	Standard	Standard	Standard	Standard	Standard	Standard
Return Air Offset	Standard	Standard	Standard	Standard	Standard	Standard
High and Low Pressure Protection	Standard	Standard	Standard	Standard	Standard	Standard
Three Phase protection on all Motors	Standard	Standard	Standard	Standard	Standard	Standard
Alarm Fault Data Logger	Standard	Standard	Standard	Standard	Standard	Standard
BMS Compatibility	Optional	Optional	Optional	Optional	Optional	Optional
Group Control (up to 15 systems)	Standard	Standard	Standard	Standard	Standard	Standard
Variable Air Volume (VAV)	Optional	Optional	Optional	Optional	Optional	Optional
Reheat Option (Relative Humidity Control)	Optional	Optional	Optional	Optional	Optional	Optional

Features

- Dual Variable Speed Compressors with Inverter Technology
  - Delivers 25-100% capacity to better match building load for superior seasonal energy efficiency
  - Inbuilt compressor protection logic
  - Minimal inrush current can reduce capital outlay on transformer and cables for new buildings
- Programmable air flow control for faster and more accurate commissioning
- High static evaporator fan (up to 500Pa)
- Optimised refrigeration circuit
- Blue fin epoxy coated coil protection to evaporator & condenser
- Flexibility in supply and return air configuration
- EEV Valve refrigeration control
- Lockable 3 Phase Load Break Isolation Switch
- ActronControls smart logic platform
  - BMS Compatibility Option
  - Third party web browsing capability
  - Factory fitted wired remote LCD Display (Remote mount up to 200m range)
  - Alarm Fault Data Logger for up to 100 events with error code display
  - Variable Air Volume (VAV) option capable for use with most BMS systems
  - Reheat option for relative humidity control
  - Dedicated input for Remote stop/start, alarms or fire
  - Inbuilt control system redundancy
  - DRED enabled (AS4755)
- Removable louvre grille coil protection for easy cleaning
- Powder coated outdoor panels to withstand 1000-hour salt spray exposure 4506:2005 AS/NZS
- Filter slides inbuilt to suit 96mm pleated filters 1000-hour salt spray exposure AS/NZS 4506:2005
- Low ambient cooling
- 25mm Foil Face Polyethylene insulation
- Condenser fans ready for 80-120Pa plant room application.

Field Information

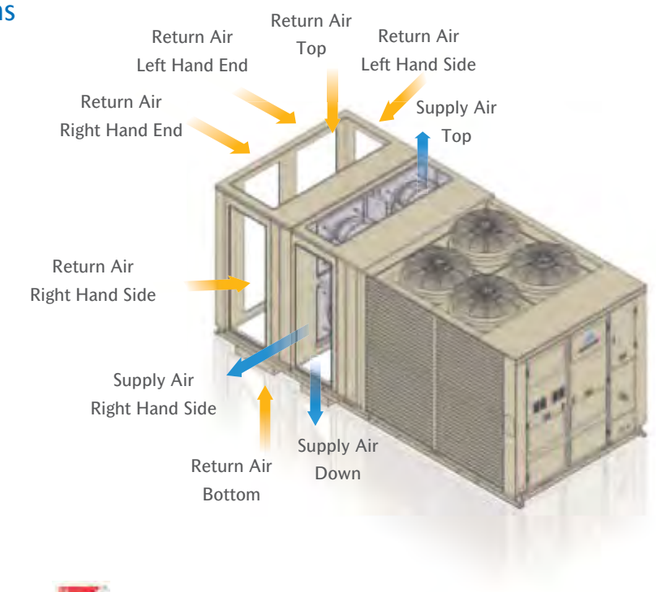
PACKAGE MODEL		PKV1400T8R1		PKV1700T8R1		PKV2000T8R1	
		Part load Capacity	Maximum Capacity	Part load Capacity	Maximum Capacity	Part load Capacity	Maximum Capacity
Refrigerant Factory Charge - (g)		19,500 & 19,500		28,000 & 28,000		28,000 & 28,000	
Condensate Drain Connection - Size/Type	Indoor Section	31.8 mm (1-1/4") Ø BSP Female Thread					
	Outdoor Section	31.8 mm (1-1/4") Ø BSP Female Thread					
Air Duct Connection	Supply Duct W x L - (mm)	553 x 1953					
	Return Duct W x L - (mm)	803 x 1953					

Variations

E - [8] Economiser without Spill Air	Optional	Optional	Optional	Optional	Optional	Optional
G - [8] Outside Air Auto	Optional	Optional	Optional	Optional	Optional	Optional
H - [8] Outside Air Manual	Optional	Optional	Optional	Optional	Optional	Optional
K - Additional Coil Coat Protection (Outdoor Section)	Optional	Optional	Optional	Optional	Optional	Optional
L - Additional Coil Coat Protection (Indoor Section)	Optional	Optional	Optional	Optional	Optional	Optional
M - [8] Economy Cycle with Spill Air	Optional	Optional	Optional	Optional	Optional	Optional
V - Variable Air Volume Option	Optional	Optional	Optional	Optional	Optional	Optional
W - Three-Phase Sequence Protection Relay	Optional	Optional	Optional	Optional	Optional	Optional
X - IP55 Rated	Optional	Optional	Optional	Optional	Optional	Optional

0-8 Please see Product Foot Notes on Page 37

Air Handing Options



2 YEAR Warranty Conditions Apply

ARC Refrigerant Trading Authorisation No.: AU06394

BCA

N2018

ActronAir
Australian for air conditioning

THREE PHASE | LOW NOISE FAN | DIGITAL (10-100% CAPACITY) | VARIABLE CAPACITY | ECM FAN | SOFT START | COIL PROTECTION | AUSTRALIAN DESIGNED & BUILT | superior 50°C -10°C operating range

Features

- Vertical Packaged Unit with reverse cycle
- Variable capacity digital scroll compressor
- High efficiency EC indoor fan motor
- Blue fin epoxy coated coil protection to evaporator and condenser
- High performance outdoor condenser coil
- High ambient condenser fan
- Hyblade™ condenser fan
- Three phase soft starter
- Three speed indoor and outdoor fan
- Flexibility in supply and return air configurations
- Electronic Expansion Valve (EXV)
- Louvre grille protection
- Powder coated outdoor panels to withstand 1000-hour salt spray exposure AS/NZS 4506:2005
- Dust & Heat Resistant Electrical Enclosure – IP55
- Security lock access panels
- Home and Away function
- Slimline 24 hr wall controller included
- MEPS compliant

Technical Information

PACKAGE MODEL		PMD120HR	PMD120HX	PMD160HR	PMD160HX	PMD190HR	PMD190HX
[1] Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling	12.29	12.29	15.75	15.75	19.11	19.11
	Heating	12.22	12.22	16.26	16.26	16.16	19.16
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling	12.00	12.00	15.50	15.50	18.50	18.50
	Heating	12.50	12.50	16.50	16.50	19.75	19.75
Input Power (kW) (AS/NZS3823.1.2)	Cooling	3.40	3.40	4.77	4.77	5.74	5.74
	Heating	3.19	3.19	4.73	4.73	5.80	5.80
[2] EER Rated (AS/NZS3823.1.2)	Cooling	3.53	3.53	3.25	3.25	3.22	3.22
[3] COP Rated (AS/NZS3823.1.2)	Heating	3.92	3.92	3.49	3.49	3.40	3.40
Power Supply - (V / Ph / Hz)		400V / 3Ph + N / 50Hz					
Rated Amps (AS/NZS3823.1.2)		9.4	9.4	10.9	10.9	14.8	14.8
Full Load Amps (AS/ NZS3823.1.2)		13.8	13.8	17.2	17.2	19.6	19.6
[4] Circuit Breaker Amps (Suggested)		16.0	16.0	20.0	20.0	20.0	20.0
IP Rating -		IP55					
Compressor	Type / No. per Unit	Digital Scroll / 1					
	Starting Method	3-Phase Soft Starter					
No. Refrigeration Circuits/No. Capacity Stages (Capacity range)		1/ Variable (10-100% capacity)					
Refrigerant		R410a					
Fans (Type x Number per unit)	Outdoor	Axial / 6 Pole External Rotor / Direct Drive x 1					
	Indoor	ECM High Efficiency / Variable Speed / Single Deck Centrifugal / Direct Drive x 1					
Airflow Range Indoor (l/s)	Maximum	663	663	815	815	1000	1000
	Nominal	578	578	755	755	900	900
	Minimum	490	490	530	530	720	720
External Static Pressure (Pa) @	Maximum Airflow	150	150	-	-	255	255
	Nominal Airflow	300	300	90	90	310	310
Unit Dimensions (mm)	Depth	870		870		1078	
	Height	1960	1580	1960	1580	2207	1750
	Width	1400		1400		1600	
[5] Nominal Weight (kgs)		357	312	365	320	426	410
[6] Sound Pressure Level (dBA)	Outdoor (low/high fan)	38.2 / 52.5		44.9 / 56.8		44.8 / 53.5	
[7] Sound Power Level (dBA)	Outdoor (low/high fan)	55.2 / 69.9		61.9 / 73.8		61.8 / 70.5	
MEPS Certified		Yes	Yes	Yes	Yes	Yes	Yes

Control Features

PACKAGE MODEL	PMD120HR	PMD120HX	PMD160HR	PMD160HX	PMD190HR	PMD190HX
AM24-HH Wall Controller 24 Hour Timer	Included	Included	Included	Included	Included	Included
Secondary Master Controller	Optional	Optional	Optional	Optional	Optional	Optional
Remote Temperature Sensor	Optional	Optional	Optional	Optional	Optional	Optional
Home Automation ON/OFF Capability	Optional	Optional	Optional	Optional	Optional	Optional
Adaptive Demand Defrost	Standard	Standard	Standard	Standard	Standard	Standard
Manual Inputs Capable for Third Party Control	Optional	Optional	Optional	Optional	Optional	Optional

Variation

K - Additional Coil Protection (Outdoor Coil)	Optional	Optional	Optional	Optional	Optional	Optional
P - Coil Protection (Indoor Coil)	Optional	Optional	Optional	Optional	Optional	Optional
R - Demand Response Capability	Optional	Optional	Optional	Optional	Optional	Optional
W - Phase Protection Sequence Relay	Standard	Standard	Standard	Standard	Standard	Standard
Z - Compressor 3-Phase Soft Starter	Standard	Standard	Standard	Standard	Standard	Standard

Air Handing Options

A - Top Discharge Left Hand Supply Air Right Hand Return Air - Rear Location	Optional	Optional	Optional	Optional	Optional	Optional
B - Top Discharge Left Hand Return Air Right Hand Supply Air - Rear Location	Optional	Optional	Optional	Optional	Optional	Optional
C - Top Discharge Left Hand Supply Air Right Hand Return Air - Mid Location	Optional	Optional	Optional	Optional	Optional	Optional
D - Top Discharge Left Hand Return Air Right Hand Supply Air - Mid Location	Optional	Optional	Optional	Optional	Optional	Optional
E - Top Discharge Right Hand Supply Air Rear Left Hand Return Air	Optional	Optional	Optional	Optional	Optional	Optional
F - Top Discharge Left Hand Supply Air Rear Right Hand Return Air	Optional	Optional	Optional	Optional	Optional	Optional

Installation Information

Refrigerant Factory Charge - (g)		5250	5250	5250	5250	7300	7300
Condensate Drain Connection - Size		20 mm Ø ID					
	Supply Duct H x W - (mm)	400 x 375				400 x 445	
	Return Duct H x W - (mm)	455 x 525					

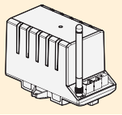
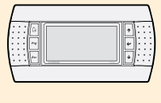
0-7 Please see Product Foot Notes on Page 37

2 YEAR Warranty Conditions Apply

ARC Refrigerant Trading Authorisation No.: AU06394

MEPS CERTIFIED

N2018

Model Number	Description	Aurora	Classic SR Models	ESP Plus	ESP Ultima	Classic SC/PC Models	ESP Vertical Package	Tri-Capacity	Hercules	7 Day Off Timer	24hr ON/OFF Timer	365 Day Timer	Auto Heat/Cool Mode	Auto Continuous Fan	Fan Setting	ESP Mode	Max. Zone Capability	On Board Sensor	Mimic Logic	Filter Indicator	Last Zone Enable/ Disable	Remote ON/OFF Capable	BMS Capable
AW26E021	Wall Split System Remote Control SWB26/36	STD	-	-	-	-	-	-	-	-	●	-	●	●	●	-	-	●	-	-	-	-	-
AW52E023	Wall Split System Remote Control SWB52/70/82	STD	-	-	-	-	-	-	-	-	●	-	●	●	●	-	-	●	-	-	-	-	-
LM7	7 Day Wall Controller	-	STD	-	-	-	-	-	-	●	●	-	●	●	●	-	8	●	●	●	●	●	-
LM7-D	ESP 7 Day Wall Controller	-	-	STD	STD	-	-	-	-	●	●	-	●	●	●	●	8	●	●	●	●	●	-
LM24W	24hr Wall Controller	-	OPT	OPT	OPT	-	-	-	-	-	●	-	●	●	●	-	8	●	●	●	●	●	-
LM-ZC	Ultima Zone Wall Controller	-	-	-	OPT	-	-	-	-	-	-	-	-	-	-	●	-	●	-	-	-	-	-
LM-ZS	Ultima Zone Wall Sensor	-	-	-	OPT	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-
LM-RS	Zone Wall Sensor	-	OPT	OPT	-	OPT	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-
 ACM-1	ActronConnect	-	OPT	OPT	OPT	-	-	-	-	-	●	-	●	●	●	●	8	-	●	-	●	-	-
C7-4	Commercial Wall Controller	-	-	-	-	OPT	-	OPT	-	-	●	-	●	●	●	-	4	●	●	●	-	●	-
AM24-HH	Vertical Package Wall Controller	-	-	-	-	-	STD	-	-	-	●	-	●	●	●	-	-	●	●	●	-	●	-
CP05	Commercial Controller	-	-	-	-	-	-	STD	OPT	●	●	●	●	●	●	-	-	-	●	●	-	●	●
 CP10	Commercial Controller	-	-	-	-	-	-	OPT	STD	●	●	●	●	●	●	-	-	-	●	●	-	●	●

* On board sensor does not operate when used with ESP Ultima. ** ESP Mode is only available when used with ESP Plus or ESP Ultima.

Zone Cards (24V)

Features & Benefits

- Control up to 4-Zones Switching
- Easy to install
- Easy snap-in RJ45 plug connection
- Optional last zone enable/disable feature
- Optional to assign sensor
- Supports 24VAC ActronAir Zone Barrel Motor
- Includes 20VA, 240V to 24V transformer

Features & Benefits

- Control up to 8-Zones Switching
- Easy to install zone module
- Easy snap-in wiring connection
- Optional last zone enable/disable feature
- Optional to assign sensor
- Supplied with 20m data and main cable looms
- Supports 24VAC ActronAir Zone Barrel Motor

Zone Cards (240V)

Features & Benefits

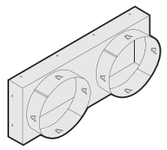
- Control up to 4-Zones Switching
- Easy to install zone kit
- Optional to assign sensor
- Supports 240VAC Third Party Zone Barrel Motor
- Compatible with C7 controllers only

Features & Benefits

- Control up to 4-Zones Switching
- Easy to install
- Easy wiring connection
- Optional last zone enable/disable feature
- Optional to assign sensor
- Supports 240 VAC Third Party Zone Barrel Motor

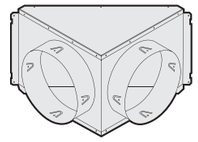
Return Air Plenums

Model Number	Size
PL11R-1/40S	1 x 400mm (16”)
PL13R-2/35S	2 x 350mm (14”)
PL18R-2/35S	2 x 350mm (14”)
PL19R-2/40S	2 x 400mm (16”)
PL19R-2/45S	2 x 450mm (18”)
PL20R-2/40S	2 x 400mm (16”)
PL25R-2/45S	2 x 450mm (18”)



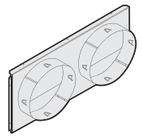
Supply Air Plenums

	Model Number	Size
1 Way	PL18S-1/40S	1 x 400mm (16")
	PL11S-1/35S	1 x 350mm (14")
2 Way Plain	PL11S-2/30S	2 x 300mm (12")
	PL11S-2/35S	2 x 350mm (14")
	PL18S-2/35S	2 x 350mm (14")
	PL20S-2/40S	2 x 400mm (16")
	PL34S-2/45S	2 x 450mm (18")
3 Way Plain	PL13S-3/30S	3 x 300mm (12")
	PL18S-3/35S	3 x 350mm (14")
	PL20S-3/SPS	1x(16”)+2x(14”)
	PL22S-3/35S	3 x 350mm (14")
	PL30S-3/40S	3 x 400mm (16”)
	PL34S-3/45S	3 x 450mm (18”)



Duct Plates

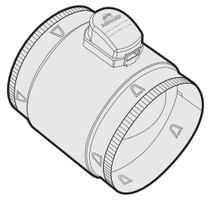
Model Number	Size
PLDP-2/350	2 x 350mm (14”)
PLDP-2/400	2 x 400mm (16”)
PLDS-2/400	2 x 400mm (16”)
PLDT-2/450	2 x 450mm (18”)



24V Zone Barrels

Features & Benefits

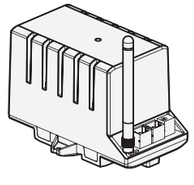
- Robust metal barrel construction
- 10 mm fire rated polyethylene insulation
- 7 m cable supplied
- Easy snap-in wiring connection
- Fast reaction time
- Safe low voltage (24VAC)
- High Torque motor (3 Nm)
- Damper position indicator
- Blade Seal Insulation
- 10”, 12”, 14” or 16” available
- 5 year warranty (parts only)



ActronConnect Module (ACM-1)

Features & Benefits

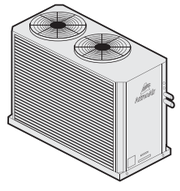
- Quick and easy to install
- Control your ActronAir ducted air conditioner from wherever you are.
- Compatible with ESP Platinum Plus and ESP Platinum Ultima, selected Classic (exceptions SRA260E), ESP Plus and ESP Ultima. It is not backward compatible with any other models.
- Download the ActronConnect App from the App Store.
- Requires iOS operating version 6.1.3 and above and an internet connection for initial set-up.
- Available for iPod Touch 4th Generation and above, iPad mini and iPad 3rd Generation and above. Note: devices not included.
- Wifi Router is required.



Condensor Drain Tray

Features & Benefits

- Reduces moss and mildew build-up from surrounding areas (e.g. concrete/tiles/pavers)
- Discharge point to suit site installed location
- Powder coated to match outdoor unit
- Prevent build-up of rust
- Available for models ranging from SRE091C – SRA260C only



Cables & Joiners

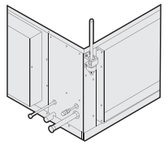
Features & Benefits

- CAT5E With RJ45 Plug are available in 7, 12 and 20m length.
- 2 & 3-Way RJ45 Joiners are available.
- ActronAir CAT5E Cable with RJ45 plug must be used with ActronAir Zone Barrels to ensure system optimum operation and to ensure warranty remains valid.
- Zone Cables are not to be cut or re-terminated to maintain integrity and to ensure faults or warranty issues do not occur.

Evaporator Hanging Kit

Features & Benefits

- Quick and easy to install
- ActronAir units are pre-drilled and ready for hanging kit
- Available up to the 400 Series only
- Rod and fixing nut not supplied by ActronAir



Foot Notes 0-11

0. Nominal Capacity = Unit kW rating excluding indoor fan kW (Add-On Cooling model only).

Nominal Input Power = Input Power of the system less Indoor Fan Power (Add-On Cooling model only).

Nominal EER = Nominal Capacity | Nominal Input Power (Add-On Cooling model only).

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. Recommended circuit breaker size. This should be used as a guide only. 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.

7. Determination of Sound Power Levels of Noise Sources, AS1217.2 - Precision Methods for Broad-Band Sources in Reverberation Rooms.

8. Return air sensor needs to be relocated by installer. Specific to site requirements.

9. When Demand Response capability is chosen, the air conditioner will fully comply with AS4755.3 in the following modes: DRM 1, 2, 3.

10. Supplied as Standard with 1-Phase Compressor soft starter.

11. For short pipe run of 0-20m or average 1-storey residential dwellings, 19.05mm (3/4”) Gas Field Pipe may be used in place of the recommended 22.22mm (7/8”) gas pipe. Please refer to Capacity Selection Data & see Pipe Length Correction Multiplier for the drop in refrigeration capacity as a consequence of change in Gas Field Pipe diameter. Swaged end of Indoor and Outdoor Units’ gas pipe to be cut in the field to fit ID into 19.05mm (3/4”) replacement Field Pipe. Swaged end to be cut-off in the field to fit into field pipe.

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

ActronAir®

Australian for air conditioning™

www.actronair.com.au

Trade, Sales and Technical Support Enquiries
1300 522 722

Service and Warranty Enquiries
1800 119 229

General Enquiries
1300 522 722

NSW/ACT
ActronAir® Head Office
5 Irvine Place
Bella Vista NSW 2153
Ph: (02) 8814 4000

QLD
ActronAir®
119 Benjamin Place
Portlink Industrial Park
Lytton QLD 4178
Ph: (07) 3348 2930

VIC/TAS
ActronAir®
Hallmarc Office Park
Unit 12/15 Ricketts Road
Mt Waverley VIC 3149
Ph: (03) 9544 0415

SA/NT
ActronAir®
Unit 4A/69 Sir Donald
Bradman Drive
Hilton SA 5033
Ph: (08) 8352 6687

WA
ActronAir®
28 Milly Court
Malaga WA 6090
Ph: 1300 522 722

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0500-162_V2 05/14