

Technical Information					
OUTDOOR MODEL		CRQ2-16AT	CRQ3-18AT	CRQ5-21AT	CRQ5-24AT
INDOOR MODEL		ERQ2-16AS	ERQ3-18AS	ERQ5-21AS	ERQ5-24AS
¹ Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Rated)	14.25	16.40	19.40	21.55
	Heating (Rated)	14.75	16.60	19.60	22.50
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Min/Rated/ TRU MAX)	2.50 / 14.00 / 16.00	3.75 / 16.00 / 18.00	5.20 / 19.00 / 21.00	5.20 / 21.00 / 24.00
	Heating (Min /Rated / TRU MAX)	2.50 / 15.00 / 17.00	3.85 / 17.00 / 19.00	4.60 / 20.00 / 23.00	5.00 / 23.00 / 25.00
Input Power (kW) (AS/NZS3823.1.2)	Cooling (Rated)	4.24	4.96	5.70	6.10
	Heating (Rated)	4.39	4.85	5.50	6.57
² EER Rated (AS/NZS3823.1.2)	Cooling (Rated)	3.30	3.23	3.33	3.44
³ COP Rated (AS/NZS3823.1.2)	Heating (Rated)	3.42	3.51	3.64	3.50
Power Supply - (V / Ph / Hz)	Outdoor	400V / 3Ph + N / 50Hz			
	Indoor	230V / 1Ph + N / 50Hz			
Rated Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	6.0 / 2.2 / 8.2	6.5 / 3.3 / 9.8	7.8 / 3.6 / 11.4	8.4 / 3.8 / 12.2
Full Load Amps (AS/NZS3823.1.2)	Outdoor / Indoor / Total	11.9 / 3.2 / 15.1	11.8 / 4.4 / 16.2	16.4 / 5.5 / 21.9	16.6 / 6.0 / 22.6
⁴ Circuit Breaker Amps (Suggested)		20	20	25	25
IP Rating	Outdoor	IP44			
	Indoor	IP20			
Compressor	Type / No. per Unit	Tru-Inverter Variable Speed Scroll / 1			
	Starting Method	Inbuilt Soft Starting			
No. of 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 x2			
	Indoor	Twin Deck Centrifugal / ECM Direct Drive x1			
Airflow Indoor (l/s)	Maximum	900	1020	1200	1320
	Nominal	750	850	1000	1100
	Minimum	195	220	260	290
Outdoor Dimensions (mm)	Depth	580		685	
	Height	1045		1105	
	Width	1460		1685	
Indoor Dimensions (mm)	Depth	615		695	
	Height	412		485	
	Width	1290		1470	
⁵ Nominal Weight (kgs)	Outdoor	147	158	203	214
	Indoor	54	54	76	80
⁶ Sound Pressure Level (dBA)	Outdoor (low/high fan)	43.7 / 52.2	45.0 / 52.2	43.0 / 60.0	43.0 / 60.0
⁷ Sound Power Level (dBA)	Outdoor (low/high fan)	65.6 / 71.4	67.0 / 71.4	63.8 / 79.6	63.8 / 79.6
MEPS Compliant		Yes	Yes	Yes	Yes
⁸ Demand Response Capability (AS4755.3)		Capable	Capable	Capable	Capable
Blue Epoxy Coat Coil Fin Protection - Indoor & Outdoor Coils		Standard	Standard	Standard	Standard

Control Options					
Q-Touch-B (Black)	Optional	Optional	Optional	Optional	Optional
Q-Touch-W (White)	Optional	Optional	Optional	Optional	Optional
Q-Zone-B (Black)	Optional	Optional	Optional	Optional	Optional
Q-Zone-W (White)	Optional	Optional	Optional	Optional	Optional
Q-Sense-B (Black)	Optional	Optional	Optional	Optional	Optional
Q-Sense-W (White)	Optional	Optional	Optional	Optional	Optional
Compressor Soft Start via Variable Speed Drive Control	Standard	Standard	Standard	Standard	Standard
Home/Building Automation ON / OFF Capability	Yes	Yes	Yes	Yes	Yes
Maximum Number of Zones	8	8	8	8	8

Foot Notes

- Based on unit rating excluding indoor fan kW.
- EER Rated = Energy Efficiency Ratio (Rated Capacity Cooling / Rated Input Cooling).
- COP Rated = Coefficient of Performance (Rated Capacity Heating / Rated Input Heating).
- Refer to AS/NZS 3000 "Australian/New Zealand Wiring Rules" for more details.
- Refer to Catalogue Unit Weight Distribution Guide section for details of weight points.
- Sound Pressure Level at 3m distance is determined as the measured sound pressure at 3m perpendicular to the coil side of the condenser.
- Determination of Sound Power Levels of Noise Sources, AS12172 - Precision Methods for Broad-Band Sources in Reverberation Rooms.
- When Demand Response capability option is chosen, the air conditioner will be fully compliant with AS4755.3 in the following modes: DRM 1, 2, 3.

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

Options & Accessories					
OUTDOOR MODEL		CRQ2-16AT	CRQ3-18AT	CRQ5-21AT	CRQ5-24AT
INDOOR MODEL		ERQ2-16AS	ERQ3-18AS	ERQ5-21AS	ERQ5-24AS
Indoor Drain Kit (ADRKT) - Included		Yes	Yes	No	No
Indoor Unit Integrated Fan Coil Safety Tray - Included		Yes	Yes	Yes	Yes
Optional Outdoor Drain Tray - Model		CDT22		CDT35	
Hanging Kits (AHKFC)		Optional			
Return Air Plenum		PL18R-2/35S		PL25R - 2/45S	
		PL20R-2/40S			
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					
Coil Protection (Outdoor Unit)		Optional	Optional	Optional	Optional

Field Piping and Connections						
Refrigerant Charge	Factory Charge - (g)	6200	7280	7400		9350
	Pre-Charge Length - (m)	15	15	15		15
	Additional Refrigerant Charge d- (g/m)	50	50	50	100	50
Maximum Field Pipe Length Range - (m)		60	60	0-20	20-60	60
Maximum Vertical Height Differential - (m) included in max length		20	20	20		20
Field Pipe Size	Liquid Pipe - mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)
	Gas Pipe - mm (inch)	19.05 (3/4)	19.05 (3/4)	22.2 (7/8)	25.4 (1)	25.4 (1)
Outdoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	12.7 (1/2) swaged		12.7 (1/2) swaged
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	22.2 (7/8) swaged		22.2 (7/8) swaged
Indoor Unit	Liquid Pipe - mm (inch)	9.52 (3/8) swaged	9.52 (3/8) swaged	12.7 (1/2) swaged		12.7 (1/2) swaged
	Gas Pipe - mm (inch)	19.05 (3/4) swaged	19.05 (3/4) swaged	25.4 (1) swaged		25.4 (1) swaged
Condensate Drain Connection - Size		20mm OD			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			410 x 1190	

