

# Technical Specifications



## ESP Platinum QUE Split Ducted Variable Capacity - Single Phase (11.80-16.80kW)

Technical Information				
OUTDOOR MODEL		CRQ2-14AS	CRQ3-17AS	CRQ4-19AS
INDOOR MODEL		ERQ2-14AS	ERQ3-17AS	ERQ4-19AS
<sup>1</sup> Total (Gross) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Rated)	12.10	14.10	17.20
	Heating (Rated)	13.60	16.80	17.80
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling (Min/Rated/TRU <sub>MAX</sub> )	2.85 / 11.80 / 14.40	3.50 / 13.70 / 17.00	4.00 / 16.80 / 19.00
	Heating (Min/Rated/TRU <sub>MAX</sub> )	2.70 / 14.00 / 15.40	3.60 / 17.20 / 19.00	3.75 / 18.20 / 20.00
Input Power (kW) (AS/NZS3823.1.2)	Cooling (Rated)	3.56	4.06	5.15
	Heating (Rated)	3.75	4.90	5.44
<sup>2</sup> EER Rated (AS/NZS3823.1.2)	Cooling (Rated)	3.31	3.37	3.26
<sup>3</sup> COP Rated (AS/NZS3823.1.2)	Heating (Rated)	3.73	3.51	3.35
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
<sup>4</sup> Circuit Breaker Amps		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	In-built 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
<sup>5</sup> Nominal Weight (kgs)	Outdoor	139	153	163
	Indoor	59	62	76
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)
<sup>6</sup> Sound Pressure Level (dBA)	Outdoor (low/high fan)	47 / 52	48 / 54	48 / 54
<sup>7</sup> Sound Power Level (dBA)	Outdoor (low/high fan)	64 / 69	65 / 71	65 / 71
MEPS Compliant		Yes	Yes	Yes
<sup>8</sup> Demand Response Capability (AS4755.3)		Capable	Capable	Capable
Hydrophilic Blue Fin Coil Coat Protection (Indoor & Outdoor Coils)		Standard	Standard	Standard

### Foot Notes 1-8

- Based on unit rating excluding indoor fan kW.
- EER Rated = Energy Efficiency Ratio (Rated Capacity Cooling / Rated Input Cooling).
- COP Rated = Coefficient of Performance (Rated Capacity Heating / Rated Input Heating).
- Refer to AS/NZS 3000 "Australian/New Zealand Wiring Rules" for more details.
- Refer to Catalogue Unit Weight Distribution Guide section for details of weight points.
- Sound Pressure Level at 3m distance is determined as the measured sound pressure at 3m perpendicular to the coil side of the condenser. Sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions.
- Measured based on ISO 3743-1. Determination of Sound Power Levels and Sound Energy Levels of Noise Sources Using Sound Pressure.
- When Demand Response capability 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.
- QUE only available on the ESP Platinum QUE systems.
- All pictures shown are for illustration purpose only.

### 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

## ESP Platinum QUE Split Ducted Variable Capacity - Three Phase (14.00-21.00kW)

Technical Information					
OUTDOOR MODEL		CRQ2-16AT	CRQ3-18AT	CRQ5-21AT	CRQ5-24AT
INDOOR MODEL		ERQ2-16AS	ERQ3-18AS	ERQ5-21AS	ERQ5-24AS
<sup>1</sup> 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 <sub>MAX</sub> )	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 <sub>MAX</sub> )	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
<sup>2</sup> EER Rated (AS/NZS3823.1.2)	Cooling (Rated)	3.30	3.23	3.33	3.44
<sup>3</sup> 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
<sup>4</sup> Circuit Breaker Amps (Suggested)		20.0	20.0	25.0	25.0
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 x 2			
	Indoor	Twin Deck Centrifugal / ECM Direct Drive x 1			
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	
<sup>5</sup> Nominal Weight (kgs)	Outdoor	147	158	203	214
	Indoor	54	54	76	80
Field Pipe Size	Liquid Pipe - mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
	Gas Pipe - mm (inch)	19.05 (3/4)	19.05 (3/4)	22.2 (7/8)	25.4 (1)
<sup>6</sup> Sound Pressure Level (dBA)	Outdoor (low/high fan)	43.7 / 52.2	45.0 / 52.2	43.0 / 60.0	43.0 / 60.0
<sup>7</sup> 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
<sup>8</sup> Demand Response Capability (AS4755.3)		Capable	Capable	Capable	Capable
Hydrophilic Blue Fin Coil Coat Protection - Indoor & Outdoor Coils		Standard	Standard	Standard	Standard

### Control Options

Control Option	CRQ2-16AT	CRQ3-18AT	CRQ5-21AT	CRQ5-24AT
Q-Touch-B (Black)	Optional	Optional	Optional	Optional
Q-Touch-W (White)	Optional	Optional	Optional	Optional
Q-Zone-B (Black)	Optional	Optional	Optional	Optional
Q-Zone-W (White)	Optional	Optional	Optional	Optional
Q-Sense-B (Black)	Optional	Optional	Optional	Optional
Q-Sense-W (White)	Optional	Optional	Optional	Optional
Compressor Soft Start via Variable Speed Drive Control	Standard	Standard	Standard	Standard
Maximum Number of Zones	8	8	8	8



