

# Technical Specifications

ULTRASLIM

## UltraSlim Split System 7.10 - 17.00kW (Single Phase)

Technical Information						
OUTDOOR MODEL		URC-071AS	URC-100AS	URC-125AS	URC-140AS	URC-170AS
INDOOR MODEL		LRE-071AS	LRE-100AS	LRE-130AS	LRE-130AS	LRE-170AS
Nett (Rated) Capacity (kW) (AS/NZS3823.1.2)	Cooling (min - max)	7.10 (2.80 - 8.40)	10.00 (4.00 - 12.00)	12.50 (5.00 - 15.00)	14.00 (5.60 - 16.00)	17.00 (6.80 - 19.50)
	Heating (min - max)	8.40 (3.00 - 9.00)	10.90 (4.20 - 12.50)	14.50 (5.20 - 16.00)	16.00 (6.40 - 18.00)	17.50 (7.00 - 21.00)
Input Power (kW) (AS/NZS3823.1.2)	Cooling Rated	2.07	3.02	3.62	4.22	4.96
	Heating Rated	2.38	3.05	3.72	4.27	4.49
<sup>1</sup> EER Rated (AS/NZS3823.1.2) <sup>2</sup> COP Rated (AS/NZS3823.1.2)	Cooling Rated	3.43	3.31	3.45	3.32	3.43
	Heating Rated	3.53	3.57	3.90	3.75	3.90
Power Supply - (V / Ph / Hz)	Outdoor	220 - 240 V / 1Ph+N / 50Hz				
Rated Load Amps (AS/NZS3823.1.2)	Cooling	10.0	14.1	15.7	18.4	22.5
	Heating	11.3	13.7	16.3	18.8	32.2
Full Load Amps (AS/NZS3823.1.2)		17.5	21.5	26.5	26.5	26.5
Circuit Breaker Amps		20.0	25.0	32.0	32.0	32.0
<sup>3</sup> Suggested Minimum Mains Cable Size		2.5mm <sup>2</sup>	4.0mm <sup>2</sup>	6.0mm <sup>2</sup>	6.0mm <sup>2</sup>	6.0mm <sup>2</sup>
<sup>3</sup> Suggested Minimum Indoor to Outdoor Power Cable Size & Type		1.0mm <sup>2</sup> 2 Core + Earth	1.0mm <sup>2</sup> 2 Core + Earth	1.0mm <sup>2</sup> 2 Core + Earth	1.0mm <sup>2</sup> 2 Core + Earth	1.0mm <sup>2</sup> 2 Core + Earth
IP Rating	Outdoor	IP24	IP24	IP44	IP44	IP44
	Indoor	IP20	IP20	IP20	IP20	IP20
Moisture Removal (L/hr)		1.5	1.7	3.0	4.0	4.8
Compressor Type		Inverter Twin-Rotary				
Refrigerant		R410A				
Airflow Range Indoor (l/s)	High	425	600	750	850	1050
	Medium	368	520	650	730	890
	Low	315	440	550	580	710
External Static Pressure (Pa) at:	Maximum Airflow (SP1 / SP2 / SP3 / SP4)	13 / 45 / 77 / 117	4 / 48 / 85 / 131	- / 52 / 122 / 167	- / - / 87 / 151	59 / 104 / 137 / 173
	Nominal Airflow (SP1 / SP2 / SP3 / SP4)	28 / 58 / 88 / 128	24 / 67 / 104 / 145	29 / 84 / 136 / 182	- / 64 / 125 / 166	95 / 136 / 169 / 200
Outdoor Dimensions (mm)	Depth	410	410	415	415	415
	Height	810	810	1333	1333	1333
	Width	946	946	952	952	952
Indoor Dimensions (mm)	Depth	774	774	874	874	858
	Height	249	249	300	300	440
	Width	1100	1360	1200	1200	1400
<sup>4</sup> Nominal Weight (kgs)	Outdoor	61	69	98.5	101	101
	Indoor	31	40	46.1	46.1	74
Indoor Sound Pressure Level (dBA)	(Low / Med / High)	39 / 42 / 45	40 / 46 / 48	43 / 45 / 48	43 / 45 / 48	45 / 50 / 53
<sup>5</sup> Outdoor Sound Pressure Level (dBA) 1m		61	62	64	64	64
<sup>6</sup> Outdoor Sound Power Level (dBA)		69	70	71	71	69
Outdoor Operating Range (°C)	Cooling	-15°C to 50°C				
	Heating	-25°C to 30°C				
MEPS Compliant		Yes	Yes	Yes	Yes	Yes
<sup>7</sup> Demand Response Capability (AS4755.3)		Capable				

### Foot Notes 1-7

1. EER Rated = Energy Efficiency Ratio (Rated Capacity Cooling, Rated Input Power Cooling)
2. COP Rated = Coefficient of Performance (Rated Capacity Heating, Rated Power Heating)
3. Refer to AS/NZS 3000 'Australian/New Zealand Wiring Rules' for more details.
4. Refer to Catalogue Unit Weight Distribution Guide section for details of weight points.
5. Sound Pressure Level at 1m distance is determined as the measured sound pressure at 1m perpendicular to the coil side of the condenser.
6. Determination of Sound Power Levels of Noise Sources, AS1217.2 - Precision Methods for Broad-Band Sources in Reverberation Rooms.
7. 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](http://www.actronair.com.au)

Features						
OUTDOOR MODEL		URC-071AS	URC-100AS	URC-125AS	URC-140AS	URC-170AS
INDOOR MODEL		LRE-071AS	LRE-100AS	LRE-130AS	LRE-130AS	LRE-170AS
Wired Wall Controller		WC-02	WC-02	WC-02	WC-02	WC-02
Remote Controller - Optional		RC-01	RC-01	RC-01	RC-01	RC-01
Follow Me Function		Yes	Yes	Yes	Yes	Yes
Sleep		Optional	Optional	Optional	Optional	Yes
Turbo		Yes	Yes	Yes	Yes	Yes
Auto Defrost Function		Yes	Yes	Yes	Yes	Yes
Timer On/Off		Yes	Yes	Yes	Yes	Yes
7-Day Scheduler / Weekly timer		Yes	Yes	Yes	Yes	Yes
Dehumidification (Dry Mode)		Yes	Yes	Yes	Yes	Yes
Return Air Sensor		Yes	Yes	Yes	Yes	Yes
External Static Pressure Settings		Yes	Yes	Yes	Yes	Yes
Drain Pump		Yes	Yes	Yes	Yes	Yes
Bottom Return Air Connection		Optional	Optional	Optional	Optional	Optional
Outside Air Intake		Optional	Optional	Optional	Optional	Optional
Hanging Brackets		Yes	Yes	Yes	Yes	Yes
Hydrophilic Aluminium Coil Protection	Indoor	Yes	Yes	Yes	Yes	Yes
	Outdoor	Yes	Yes	Yes	Yes	Yes
Indoor Fan Speed		4-Speed	4-Speed	4-Speed	4-Speed	4-Speed
Outdoor Fan Speed		5-Speed	5-Speed	5-Speed	5-Speed	5-Speed
Auto Restart Function		Yes	Yes	Yes	Yes	Yes
Fault Alarm Output Port		Yes	Yes	Yes	Yes	Yes
Remote On/Off		Yes	Yes	Yes	Yes	Yes
Left-Right Hand Drain Connection - Gravity Fed		Yes	Yes	Yes	Yes	Yes
Easyconnect Wi-Fi App		Optional	Optional	Optional	Optional	Optional

Field Piping and Connections						
Refrigerant Charge	Factory Charge - (g)	2900	3800	4500	4900	5350
	Pre-Charge Length - (m)	15	15	15	15	30
	Additional Refrigerant Charge - (g/m)	30	30	30	30	30
Minimum Field Pipe Length - (m)		5	5	5	5	5
Maximum Field Pipe Length - (m)		50	65	65	65	65
Maximum Vertical Height Differential (m) included in max length		25	30	30	30	30
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)	15.9 (5/8)	15.9 (5/8)	15.9 (5/8)	15.9 (5/8)	19.05 (3/4)
Outdoor Unit	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)	15.9 (5/8)	15.9 (5/8)	15.9 (5/8)	15.9 (5/8)	19.05 (3/4)
Indoor Unit	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)	15.9 (5/8)	15.9 (5/8)	15.9 (5/8)	15.9 (5/8)	19.05 (3/4)
Wiring Method		Hardware to Outdoor				
Interconnect Data Cable		2 Core 14/0.20 (0.44m <sup>2</sup> ) Shielded				
Interconnect Power Cable		2 Core + Earth				

