WALL HUNG SPLIT SYSTEM



UNIT FEATURES

- Reverse Cycle Wall Hung Split System
- · Mono & Multi Compatible Heads
- Rotary Compressor
- Superior Operating Range:
- Cooling: up to 60°C DB
 Heating: down to -25°C DB
- Adjustable Airflow
- · 3D Multi-Directional Airflow
- · Up/Down Auto Swing
- · Left/Right Auto Swing Louvre Position Memory
- · Fan Speed: Auto, Low, Medium and High
- Powder Coated Panels Outdoor Unit
- · Hydrophilic Indoor and Outdoor Coil Protection
- Self-Diagnosis and Auto Protection
- · Fire Proof Electrical Box Indoor and Outdoor Units
- Dehumidification Mode
- Super Ionizer Technology
- Intitutive Proximity Sensor
- · R-32 low GWP Refrigerant

UNIT OPTION

Left or Right Hand Drain Connection

CONTROL FEATURES

- Digital Display
- Auto Restart After Power Failure
- Timer ON/OFF Operation Remote ON/OFF Input
- · Manual ON/OFF Operation
- · 12-speed Indoor Fan
- 5-speed Outdoor Fan
- Sleep Mode
- Boost Mode
- · Quiet Operation
- Dry Mode Operation
- · Demand Response Ready
- 1W Standby Power Consumption Auto Defrost Function
- Follow Me Function
- Mute Operation
- Self Clean Function
- Fault Alarm Output

UNIT COMPLIANCE

- AS/NZS 3823.2 (MEPS)
- AS/NZS 4755.3.1 (DRM 1, 2 and 3)
- AS/NZS CISPR 14.1 (EMC)
- AS/NZS 60335.1 (ELECTRICAL APPLIANCE SAFETY)
- AS/NZS 60335.2.40 (ELECTRICAL APPLIANCE SAFETY AIR CONDITIONERS)

SPECIFICATION SUMMARY

OUTDOOR UNIT MODEL	WRC-085CS				
INDOOR UNIT MODEL	WRE-085CS				
		NETT			
(1)(2) COOLING CAPACITY (kW) - NOMIN	IAL (MIN - MAX)	8.50 (3.60 - 9.60)			
(1) (3) HEATING CAPACITY (kW) - NOMIN	9.45 (3.55 - 11.00)				
(1) (4) COOLING INPUT POWER (kW)	2.40				
(1) (4) HEATING INPUT POWER (kW)	2.52				
(1)(2) EER	3.54				
(1)(3) COP	3.75				
⁽⁵⁾ INDOOR AIRFLOW (I/s) - LOW/MED/	190/230/320/370				
MOISTURE REMOVAL (I/hr)	3.5				
INDOOR SOUND PRESS. LEVEL dB(A) - SILENT/LOW/MED/HIGH	32/38/42/47				
OUTDOOR SOUND PRESS. LEVEL @	61				
⁽⁶⁾ OUTDOOR SOUND POWER LEVEL of	69				
POWER SUPPLY	220-240V/1Ph+N/50 Hz				
INDOOR UNIT WIRING METHOD	Hard wire to Outdoor				
(1) RATED LOAD AMPS - COOLING / HE	10.5 / 11.3				
⁽⁷⁾ FULL LOAD AMPS	15.9				
(8) CIRCUIT BREAKER AND CABLE AM	20.0				
WEIGHT (kg) - INDOOR / OUTDOOR	19.7 / 43.3				
OUTDOOR OPERATING RANGE (°C)	COOLING	-15 to 60			
	HEATING	-25 to 30			

Measured and tested in accordance with AS/NZS 3823.1.1.

- $^{(2)}$ At 27°C DB / 19°C WB entering air temperatures and 35°C ambient. $^{(3)}$ At 20°C DB entering air temperature and 7°C DB / 6°C WB ambient.
- ⁽⁴⁾ input power includes indoor fan kW.
 ⁽⁵⁾ Max. Min. airflow application range.
- (6) Determination of Sound Power Levels of Noise Sources per AS1217.2.
- Betermination of sound rower texts or noise sound or point termination of sound or power texts or noise sound or noise texts or texts.
 Full Load Amps are based on compressor and fan motors' maximum expected current.
 See Specifications sheet for cable size and circuit breaker size details.

Note: Use input power to estimate running cost.



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CAPACITY SELECTION DATA

COOLING PERFORMANCE

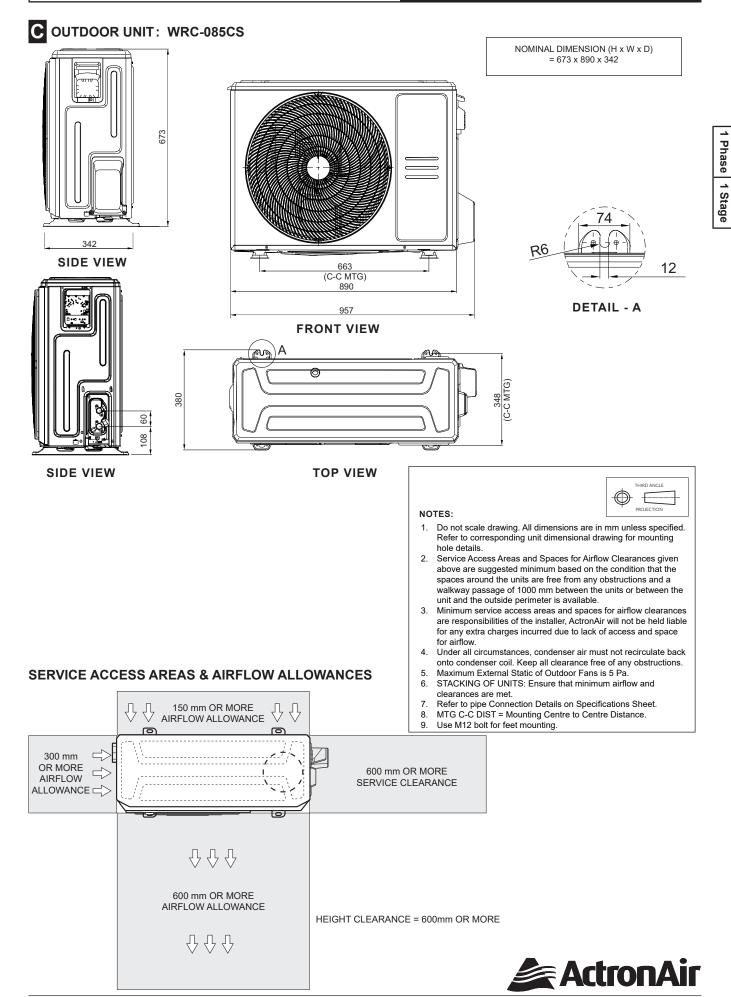
COOLING PER	RURMANCE																		
								INDO	OOR C	CONDI	TION	s (°C -	DB)						
OUTDOOR EMPERATURE	WB		17.0				18.0				19.0				22.0				
(DB)	DB°	С	24.0	25.0	27.0	29.0	24.0	25.0	27.0	29.0	24.0	25.0	27.0	29.0	24.0	25.0	27.0	29	
	Nett Capacity	, kW	9.29	9.29	9.29	9.38	9.55	9.55	9.55	9.55	9.84	9.84	9.84	9.84	10.56	10.56	10.56	10	
18°C	Sensible Cap	acity, kW	6.41	6.78	7.62	8.44	5.92	6.30	7.07	7.83	5.41	5.80	6.59	7.38	4.22	4.64	5.38	6.	
	Power Input, kW		1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.71	1.71	1.71	1.71	1.70	1.70	1.70	1.	
	Nett Capacity	, kW	8.69	8.69	8.69	8.77	8.97	8.97	8.97	8.97	9.23	9.23	9.23	9.23	9.92	9.92	9.92	9	
25°C	Sensible Cap	acity, kW	6.08	6.51	7.30	8.07	5.65	6.01	6.82		5.17	5.54	6.28	7.11	3.97	4.37	5.06	5	
	Power Input,	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.		
		Nett Capacity, kW			8.28	8.37					8.80		8.80	8.80		9.49	9.49	-	
30°C		Sensible Capacity, kW			7.04	7.87		5.81			4.93	5.37	6.16			4.18	_	-	
	Power Input, I		2.18	2.18		2.18									2.19				
	Nett Capacity		7.88	7.88 6.07	7.88	7.97		8.14			8.37	8.37	8.50			9.03		-	
35°C	1	Sensible Capacity, kW			6.86	7.65			6.43		4.77	5.11	6.12	6.81			4.70	5	
	Power Input, I		2.39	2.39	2.39	2.39		2.39		2.39	2.40		2.40	2.40		2.41	2.41	2	
	Nett Capacity		7.42	7.42	7.44	7.52	7.66	7.66	7.66	7.69	7.89	7.89	7.97	7.89			8.53		
40°C	Sensible Cap		5.56	5.93		-	5.06				4.58	4.97	5.82		3.33		4.52		
	Power Input,	kW	2.64	2.64	2.64	2.64				+		<u> </u>			2.66			-	
	Nett Capacity	,	6.87	6.87	6.92	6.98						-	7.33		7.93			-	
46°C	Sensible Cap		5.22	5.56		6.98			5.89				5.42		3.09		4.28		
	Power Input, I				2.93					2.94	2.95			2.95		2.97	2.97	2	
	Nett Capacity	,	5.20	5.26	5.32						5.60	-	5.60		6.12			-	
60°C	Sensible Cap	4.42	4.84	5.32	5.37		4.38		5.52	3.53		4.71			2.75		-		
	Power Input,	kW	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.94	3.94	3.94	3.94	3.97	3.97	3.97	3	
IEATING PER	FORMANCE																		
INDOOR									OUTDOOR TEI				MPERATURE						
CONDITIONS				-15° -16°		-7°C -8°C		-5°C -6°C		0°C D -1°C V		4°C D 3°C W		°CD °CW		°C D °C W	24° 18°		
45% DD	Nett Capaci	ty, kW			72	6.7	6	7.45		8.25		8.78	_	0.64	_	1.70		82	
15°C - DB	Power Input	, kW		1.44 2		2.3	3	2.05		2.52		2.83		2.80 3		.08	2.	58	
18°C - DB	Nett Capacit	3.56 6		6.4	6	7.12		7.88		8.38		0.17	11	11.18		38			
18 C - DB	Power Input	Power Input, kW				2.25	5	1.98	3	2.43		2.73		2.69		2.97	2.	48	
20°C - DB	Nett Capacit			3.3	33	6.0	3	6.65	5	7.36		7.84		9.45).45	8.	76	
20 0 - 00	Power Input	-		1.3		2.1		1.87	'	2.29		2.58	_	2.52		.81	2.		
22°C - DB	Nett Capacit	ty, kW		3.2		5.8		6.45		7.14		7.60		9.22	_).14	8.		
22 0-00	Power Input	, kW		1.3	34 2.1	7	1.91		2.34		2.63		2.60		2.86		39		
27°C - DB	Nett Capacit			2.89		5.25		5.79		6.40		6.82		8.27		9.09		7.62	
-	Power Input			1.3	34	2.1	7	1.91		2.35		2.64		2.61	2	.87	2.	40	
PIPE LENGTH	CORRECTIO		LIER																
8	<u> </u>		COOL	ING			-	5		10	P	20 20	ENGT	<u>H (m)</u> 30		40	5	50	
-	I.		Inde	or Uni	+ [30							C	.868		829	0.		
				er Tha		20						0.921		.881	_	841	0.0		
		11.2.1.2	Outdo			10			_	0.985		0.935		0.894	_	854	0.0	_	
		= Height ference				5 0		0.99		0.995		0.944		0.903		863	0.0		
		(m)				-5		1.00		1.000		0.949 0.949).908	_	867 867	0.8		
		Indo		or Uni		-10			<u> </u>	1.000		0.949).908	_	867	0.0		
A Commence of		Lowe				-20						0.949		.908	_	867	0.0		
	**		Outdo		<u> </u>	-30							- 1	.908		867	0.0		
		HEAT						_	1		P	IPE L	ENGT		1				
								5		10		20	-	30	_	40		50 24	
				or Uni		30 20						 0.975).955).955		.935 .935	0.9	_	
				er Tha		10				1.000		0.975).955).955		.935 .935	0.9		
	н=	Height	Outdo	or Un	it* -	5		1.00	0	1.000		0.975).955		.935	0.9	_	
		ference				0		1.00		1.000		0.975).955		935	0.9		
				or Uni	t L	-5		0.99		0.992	2	0.967	C).947	0.	928	0.9	908	
æs				er Tha		-10				0.984		0.959).940		.920	0.9		
-	E		utdoor Unit**		-20						0.952		0.932		913	0.0			
			1		1	-30	,				1		- T ()	925	1 ()	905	1 08	386	



-30

UNIT DIMENSIONS

WRC-085CS / WRE-085CS

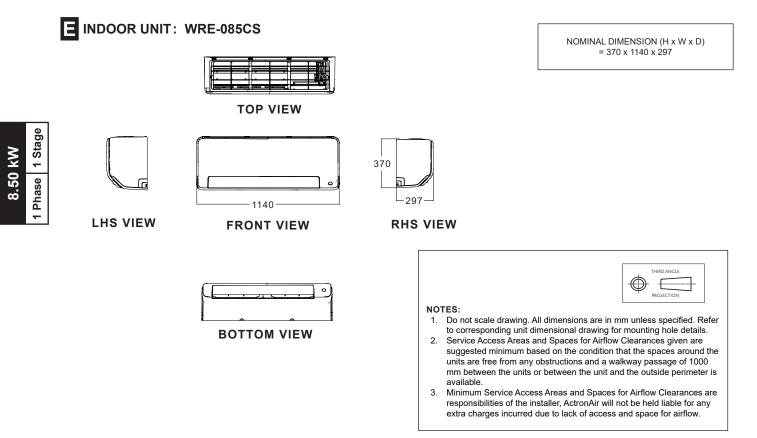


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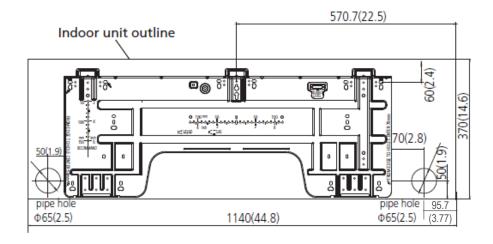
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UNIT DIMENSIONS

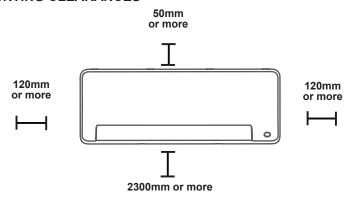
WRC-085CS / WRE-085CS



MOUNTING DETAILS



MOUNTING CLEARANCES





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SPECIFICATIONS

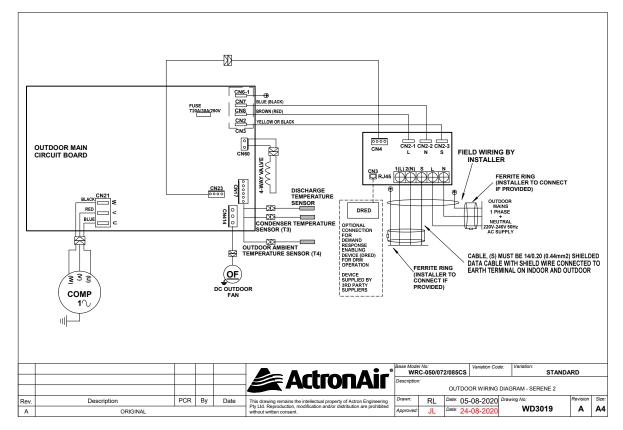
WRC-085CS / WRE-085CS

UNIT DIMENSIONS	-	2.40				4 Dat				
OUTDOOR	Depth	342 mm			1 x Rotary Co					
DIMENSIONS	Height	673 mm		OD	DC Inverter S	tarter				
	Width	890 mm	INPUT (W)			2045	074 / 000 /			
INDOOR	Depth	297 mm		, , ,			/G74 / 620ml			
DIMENSIONS	Height	370 mm	PROTECTION				mal Cut-Out			
	Width	1140 mm	REFRIGERAT	ION SYS	TEM					
ELECTRICAL			REFRIGERANT T	YPE		R-32				
POWER SUPPLY		220-240 Volts / 1 Ph+N / 50Hz	FACTORY CHARC	FACTORY CHARGE						
WIRING METHOD		Hard wire to outdoor	PRE-CHARGE LE	NGTH	15 m					
FULL LOAD AMPS*	Total	15.9	MINIMUM ROOM		1.303 m ²					
FULL LOAD AMPS	Indoor	0.40	(@ 2.3 INSTALLEI	,	05	04 /				
RATED LOAD AMPS**	Cooling	10.5				24g/m				
	Heating	11.3	DESIGN PRESSU	RE (High/Lo	4.3/1.7 MPa					
IP RATING	Outdoor	IP24		INTERCONNECTING PIPE RUN						
	Indoor	IP20	MAXIMUM PIPE L	ENGTH		50 m				
		nay require limits on starting current and	MAXIMUM CHAR	MAXIMUM CHARGE			2340 g			
.	please check pr		MINIMUM ROOM		3.171 m ²					
		and Fan Motor's maximum expected current	(@ 2.3 INSTALLED HEIGHT)							
**Rated Load Amps are mea	MINIMUM PIPE LE	ENGHT	3 m							
CABLE SIZE & CIRCUIT BREAKER SIZE			MAX. VERTICAL L		25 m (Included in Max. Pipe Length					
Suggested minimum cable size should be used as a guide only, refer to AS/NZS 3000 "Australian/New Zealand Wiring Rules" for more details.		FIELD PIPE SIZES	3							
Cable Size (Supply Main		4.0 mm ² (SUGGESTED MINIMUN	Liquid Pipe							
Cable Size (Indoor to Ou	,	1.5 mm ² (3 Core + Earth)	Gas Pipe	Gas Pipe 15.9 mm (5/8")						
Circuit Breaker Size		20.0 Amps	PIPE CONNECTIO			r				
		Indoor	Liquid Pipe		9.52 mm (3/8")					
OUTDOOR COIL		1		Gas Pipe		15.9 mm (5/8")				
		Copper Ø7mm, inner groove tube	Outdoor	· · ·	Liquid Pipe		9.52 mm (3/8")			
FIN TYPE		Hydrophylic Aluminium		Gas Pipe			15.9 mm (5/8")			
FACE AREA		0.55 m ²	CONNECTION TY	CONNECTION TYPE Flare Nut						
FIN SPACING		1.3 mm			3					
ROWS		2		DEFROST METHOD Reverse Cycle						
OUTDOOR FAN			WALL CONTROLL							
NUMBER OF FANS X TYPE		1 x Axial		(INCLUDED FOR WIRED 4 Core (0.75mm ²) Shield						
INPUT (W)		340	CONTROLLER OF	CONTROLLER OPTION)						
FAN SPEED (rpm) - Hi / I	0	800/550								
AIRFLOW (I/s)		970	It is essential that the	It is essential that the unit is correctly sized for the application and operates within its						
		510	recommended range	of operating o	onditions a	as shown below.				
INDOOR COIL						DOOR	OUTDOOR			
TUBE TYPE		Copper Ø7mm, inner groove tube	MODE	RANGE	OPERATING					
FIN TYPE		Hydrophylic Aluminium				PERATURE	TEMPERATURE			
FACE AREA		0.33 m ²	COOLING	Max.		2°C DB	60°C DB			
FIN SPACING		1.3 mm		Min.		7°C DB	-15°C DB			
ROWS		23	HEATING	Max.	-	0°C DB	30°C DB			
INDOOR FAN		•	ηL	Min.	0	°C DB	-25°C DB			
NUMBER OF FANS X TY		1 x Cross- flow fan								
	ГС 		_							
INPUT (W)		58	_							
AIRFLOW - Boost/High/N	/led/Low	370/320/230/190(l/s)								
AIR FILTERS										
			1							

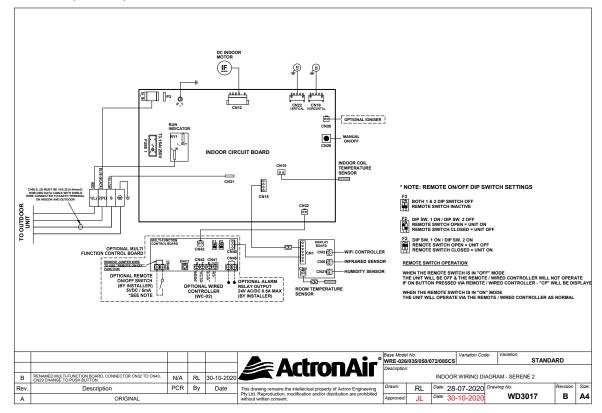


WIRING DIAGRAM

WRC-085CS (OUTDOOR)



WRE-085CS (INDOOR)





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