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 OPTIONS

- · Left or Right Hand Drain Connection
- Fault Alarm Output

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

UNIT COMPLIANCE

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

SPECIFICATION SUMMARY

OUTDOOR LINIT MODEL

OUTDOOR UNIT MODEL	WRC-072CS			
INDOOR UNIT MODEL		WRE-072CS		
		NETT		
(1)(2) COOLING CAPACITY (kW) - NOMIN	IAL (MIN - MAX)	7.20 (2.95 - 9.00)		
(1) (3) HEATING CAPACITY (kW) - NOMIN	AL (MIN - MAX)	8.00 (3.50 - 9.50)		
(1) (4) COOLING INPUT POWER (kW)	1.90			
(1) (4) HEATING INPUT POWER (kW)	2.05			
(1)(2) EER	3.79			
(1)(3) COP	3.90			
(5) INDOOR AIRFLOW (L/S) - TURBO	431 / 322 / 250 / 221			
MOISTURE REMOVAL (I/hr)	2.3			
INDOOR SOUND PRESS. LEVEL dB(A) - SILENT/LOW/MED/HIGH	32 / 36 / 42 / 47			
OUTDOOR SOUND PRESS. LEVEL @	1M dB(A)	60		
(6) OUTDOOR SOUND POWER LEVEL (dB(A)	69		
POWER SUPPLY		220 - 240V / 1Ph+N / 50 Hz		
(1) RATED LOAD AMPS - COOLING / HE	8.5 / 9.0			
(7) FULL LOAD AMPS	17.5			
(8) CIRCUIT BREAKER	20.0			
WEIGHT (kg) - INDOOR / OUTDOOR	19.7 / 43.3			
OUTDOOR OPERATING RANGE (°C)	COOLING	-15 to 60		
OUTDOOK OFERATING RANGE (*C)	HEATING	-25 to 30		

- (1) Measured and tested in accordance with AS/NZS 3823.1.1.
- At 27°C DB / 19°C WB entering air temperatures and 35°C ambient.
 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.
- Determination of Sound Power Levels of Noise Sources per AS1217.2.
 Full Load Amps are based on compressor and fan motors' maximum expected current.
- (8) See Specifications sheet for circuit breaker size details.

Note: Use input power to estimate running cost.



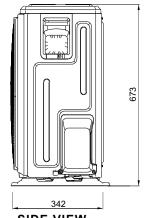
WDC 072CS

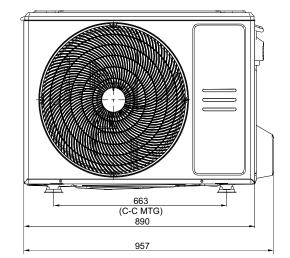
COOLING PER	RFORMANCE																
OUTDOOR		INDOOR CONDITIONS (°C - DB)															
TEMPERATURE	MB _o C		17	7.0			18	3.0			19	0.0			22	2.0	
(DB)	DB _° C	24.0	25.0	27.0	29.0	24.0	25.0	27.0	29.0	24.0	25.0	27.0	29.0	24.0	25.0	27.0	29.0
	Nett Capacity, kW	7.99	7.99	7.99	8.07	8.22	8.22	8.22	8.22	8.45	8.45	8.45	8.45	9.08	9.08	9.08	9.08
18°C	Sensible Capacity, kW	5.75	6.15	6.95	7.75	5.26	5.67	6.41	7.23	4.82	5.15	5.91	6.76	3.54	4.00	4.72	5.54
	Power Input, kW	1.37	1.37	1.37	1.37	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.35	1.35	1.35	1.35
	Nett Capacity, kW	7.50	7.50	7.59	7.67	7.70	7.70	7.70	7.79	7.93	7.93	7.93	7.93	8.53	8.53	8.53	8.53
25°C	Sensible Capacity, kW	5.47	5.92	6.75	7.52	5.01	5.39	6.16	7.01	4.52	4.92	5.71	6.50	3.33	3.75	4.52	5.29
	Power Input, kW	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
	Nett Capacity, kW	7.13	7.13	7.18	7.27	7.36	7.36	7.36	7.44	7.59	7.59	7.59	7.59	8.16	8.16	8.16	8.16
30°C	Sensible Capacity, kW	5.34	5.70	6.54	7.27	4.85	5.22	6.03	6.85	4.40	4.78	5.54	6.37	3.18	3.59	4.32	5.14
	Power Input, kW	1.72	1.72	1.72	1.72	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
	Nett Capacity, kW	6.78	6.78	6.84	6.90	7.01	7.01	7.01	7.07	7.21	7.21	7.20	7.20	7.79	7.79	7.79	7.79
35°C	Sensible Capacity, kW	5.15	5.56	6.36	6.90	4.70	5.12	5.89	6.64	4.26	4.62	5.47	6.19	3.04	3.43	4.20	4.98
	Power Input, kW	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.90	1.90	1.90	1.90	1.91	1.91	1.91	1.91
	Nett Capacity, kW	6.34	6.34	6.40	6.46	6.56	6.56	6.58	6.64	6.76	6.76	6.82	6.78	7.30	7.30	7.30	7.30
40°C	Sensible Capacity, kW	5.01	5.39	6.21	6.46	4.52	4.92	5.73	6.57	4.05	4.46	5.32	6.04	2.85	3.21	4.02	6.57
	Power Input, kW	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.10	2.10	2.10	2.10	2.11	2.11	2.11	2.11
	Nett Capacity, kW	5.87	5.87	5.93	5.99	6.07	6.07	6.13	6.19	6.27	6.27	6.27	6.27	6.79	6.79	6.79	6.79
46°C	Sensible Capacity, kW	4.70	5.11	5.87	5.99	4.25	4.68	5.46	6.19	3.83	4.20	4.96	5.77	2.65	3.05	3.80	6.24
	Power Input, kW	2.32	2.32	2.32	2.32	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.35	2.35	2.35	2.35
	Nett Capacity, kW	4.45	4.51	4.56	4.62	4.62	4.62	4.68	4.73	4.79	4.79	4.85	4.90	5.22	5.22	5.22	5.22
60°C	Sensible Capacity, kW	4.07	4.46	4.56	4.62	3.65	4.02	4.68	4.73	3.16	3.55	4.36	4.90	2.04	2.45	3.18	5.06
	Power Input, kW	3.10	3.10	3.10	3.10	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.13	3.13	3.13	3.13

HEATING PERI	FORMANCE								
INDOOR	OUTDOOR TEMPERATURE								
CONDITIONS		-15°C D -16°C W	-7°C D -8°C W	-5°C D -6°C W	0°C D -1°C W	4°C D 3°C W	7°C D 6°C W	12°C D 11°C W	24°C D 18°C W
15°C - DB	Nett Capacity, kW	3.14	5.69	6.27	6.94	7.39	8.96	9.86	8.27
15 C - DB	Power Input, kW	1.15	1.88	1.65	2.03	2.27	2.25	2.48	2.07
18°C - DB	Nett Capacity, kW	2.99	5.44	5.99	6.63	7.06	8.56	9.42	7.89
10 C - DB	Power Input, kW	1.11	1.81	1.59	1.95	2.19	2.17	2.39	1.99
20°C - DB	Nett Capacity, kW	2.80	5.08	5.60	6.19	6.59	8.00	8.80	7.38
20 C - DB	Power Input, kW	1.05	1.71	1.50	1.85	2.07	2.05	2.26	1.89
22°C - DB	Nett Capacity, kW	2.72	4.93	5.43	6.01	6.40	7.76	8.54	7.16
22°C - DB	Power Input, kW	1.07	1.74	1.54	1.88	2.11	2.09	2.30	1.93
27°C - DB	Nett Capacity, kW	2.44	4.42	4.87	5.39	5.74	6.96	7.66	6.42
27 C - DB	Power Input, kW	1.08	1.75	1.54	1.89	2.12	2.09	2.31	1.93

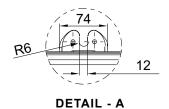
PIPE LENGTH CORREC	CTION MULTIF	PLIER								
*		COOLING		PIPE LENGTH (m)						
as a second		COOLING		7.5	10	20	30	40	50	
		Indoor Unit	25				0.872	0.834	0.797	
	_	20			0.923	0.885	0.847	0.809		
	Higher Than Outdoor Unit*	10		0.975	0.937	0.898	0.860	0.822		
TI TO THE TOTAL	H = Height	Outdoor Offic	5	0.995	0.985	0.946	0.908	0.869	0.830	
	Difference		0	1.000	0.990	0.951	0.912	0.873	0.834	
	(m)	Indoor Unit	-5	1.000	0.990	0.951	0.912	0.873	0.834	
		Lower Than Outdoor Unit**	-	-10		0.990	0.951	0.912	0.873	0.834
			-20			0.951	0.912	0.873	0.834	
**	Outdoor Offic	-25				0.912	0.873	0.834		
	HEATING			PIPE LENGTH (m)						
		HEATING		7.5	10	20	30	40	50	
		Indoor Unit	25				0.960	0.942	0.924	
		Higher Than	20			0.978	0.960	0.942	0.924	
		Outdoor Unit*	10		0.996	0.978	0.960	0.942	0.924	
	H = Height	Outdoor Offic	5	1.000	0.996	0.978	0.960	0.942	0.924	
	Difference (m) Indoor Unit		0	1.000	0.996	0.978	0.960	0.942	0.924	
		Indoor I Init	-5	0.992	0.988	0.970	0.952	0.934	0.917	
		Lower Than	-10		0.980	0.962	0.944	0.927	0.909	
		Outdoor Unit**	-20			0.954	0.937	0.919	0.902	
		Outdoor Offic	-25				0.929	0.912	0.895	

C OUTDOOR UNIT: WRC-072CS

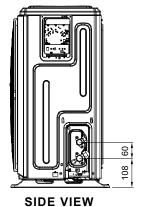


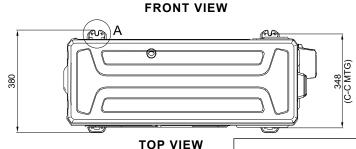


NOMINAL DIMENSION (H x W x D) = 673 x 890 x 342



SIDE VIEW



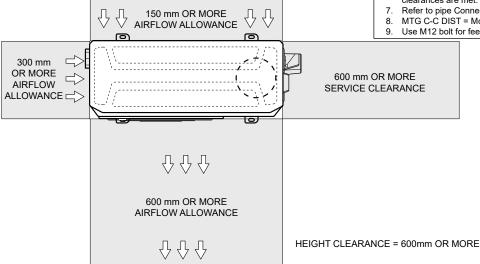


NOTES:



- Do not scale drawing. All dimensions are in mm unless specified. Refer to corresponding unit dimensional drawing for mounting hole details.
- Service Access Areas and Spaces for Airflow Clearances given above are suggested minimum based on the condition that the spaces around the units are free from any obstructions and a walkway passage of 1000 mm between the units or between the unit and the outside perimeter is available.
- 3. Minimum service access areas and spaces for airflow clearances are responsibilities of the installer, ActronAir will not be held liable for any extra charges incurred due to lack of access and space for airflow.
- Under all circumstances, condenser air must not recirculate back onto condenser coil. Keep all clearance free of any obstructions.
- Maximum External Static of Outdoor Fans is 5 Pa
- STACKING OF UNITS: Ensure that minimum airflow and clearances are met. Refer to pipe Connection Details on Specifications Sheet.
- MTG C-C DIST = Mounting Centre to Centre Distance.
- Use M12 bolt for feet mounting.

SERVICE ACCESS AREAS & AIRFLOW ALLOWANCES



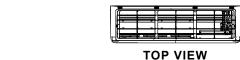


UNIT DIMENSIONS

WRC-072CS / WRE-072CS

INDOOR UNIT: WRE-072CS

NOMINAL DIMENSION (H x W x D) = 370 x 1140 x 297





LHS VIEW

1140 **FRONT VIEW**

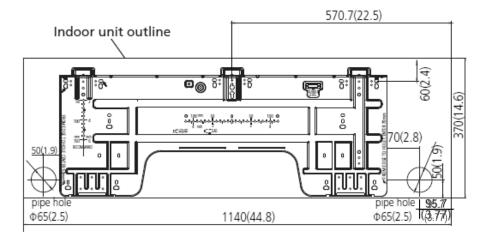
RHS VIEW



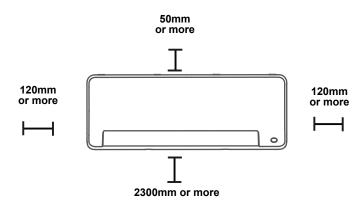


- 1. Do not scale drawing. All dimensions are in mm unless specified. Refer
- to corresponding unit dimensional drawing for mounting hole details. Service Access Areas and Spaces for Airflow Clearances given are suggested minimum based on the condition that the spaces around the units are free from any obstructions and a walkway passage of 1000 mm between the units or between the unit and the outside perimeter is available.
- 3. Minimum Service Access Areas and Spaces for Airflow Clearances are responsibilities of the installer, ActronAir will not be held liable for any extra charges incurred due to lack of access and space for airflow.

MOUNTING DETAILS



MOUNTING CLEARANCES





SPECIFICATIONS

WRC-072CS / WRE-072CS

UNIT DIMENSIONS	_	
OUTDOOR	Depth	342 mm
DIMENSIONS	Height	673 mm
	Width	890 mm
INDOOR DIMENSIONS	Depth	297 mm
	Height	370 mm
	Width	1140 mm
ELECTRICAL		
POWER SUPPLY		220 - 240 Volts / 1 Ph + N / 50Hz
FULL LOAD AMPS*	Total	17.5
FULL LOAD AMPS	Indoor	0.40
RATED LOAD AMPS**	Cooling	8.5
RATED LOAD AMPS***	Heating	9.0
IP RATING	Outdoor	IP24
IF KATING	Indoor	IPX0
	ctricity authority r , please check pr	may require limits on starting current and ior to purchase.
*Full Load Amps are based	on Compressor	and Fan Motor's maximum expected current
**=	asured and teste	d in accordance with AS/NZS3823.1.1.
"Rated Load Amps are me		
CIRCUIT BREAKE	R SIZE	
-	R SIZE	20.0 Amps
CIRCUIT BREAKE Circuit Breaker Size	alian/New Zealar	nd Wiring Rules or AS/NZS 3008 "Electrical
CIRCUIT BREAKE Circuit Breaker Size Refer to AS/NZS 3000 "Austr	alian/New Zealar	nd Wiring Rules or AS/NZS 3008 "Electrical
CIRCUIT BREAKE Circuit Breaker Size Refer to AS/NZS 3000 "Austr Installations-Selection of Cab	alian/New Zealar	nd Wiring Rules or AS/NZS 3008 "Electrical
CIRCUIT BREAKE Circuit Breaker Size Refer to AS/NZS 3000 "Austr Installations-Selection of Cab OUTDOOR COIL	alian/New Zealar	nd Wiring Rules or AS/NZS 3008 *Electrical e to be used.
CIRCUIT BREAKE Circuit Breaker Size Refer to AS/NZS 3000 "Austr Installations-Selection of Cab OUTDOOR COIL TUBE TYPE	alian/New Zealar	nd Wiring Rules or AS/NZS 3008 "Electrical e to be used. Copper Ø7mm, inner groove tube

1 x Axial

800/550

Copper Ø7mm, inner groove tube

Hydrophylic Aluminium

1 x Cross- flow fan

340

970

0.33 m²

1.3 mm

COMPRESSOR	
NUMBER PER UNIT x TYPE	1 x Rotary Compressor
STARTING METHOD	DC Inverter Starter
INPUT (W)	2045
REFRIGERANT OIL (TYPE/CHARGE)	ESTER OIL VG74 / 620ml
PROTECTION	External Thermal Cut-Out
REFRIGERATION SYSTEM	

REFRIGERATION SYSTEM	
REFRIGERANT TYPE	R-32
FACTORY CHARGE	1500 g
PRE-CHARGE LENGTH	15 m
MINIMUM ROOM AREA (@ 2.3 INSTALLED HEIGHT)	1.303 m ²
ADD'L. REFRIGERANT CHARGE	24 g/m
DESIGN PRESSURE (High/Low)	4.3/1.7 MPa

INTERCONNECTING PIPE RUN					
MAXIMUM PIPE LE	NGTH	50 m			
MAXIMUM CHARGE		2340 g			
MINIMUM ROOM AREA (@ 2.3 INSTALLED HEIGHT)		3.171 m ²			
MINIMUM PIPE LEN	IGHT	3 m			
MAX. VERTICAL LENGTH		25 m (Included in Max. Pipe Length)			
FIELD PIPE SIZES					
Liquid Pipe		9.52 mm (3/8")			
Gas Pipe		15.9 mm (5/8")			
PIPE CONNECTION	IS				
Indoor	Liquid Pipe	9.52 mm (3/8")			
	Gas Pipe	15.9 mm (5/8")			
Outdoor	Liquid Pipe	9.52 mm (3/8")			
	Gas Pipe	15.9 mm (5/8")			
CONNECTION TYP	E	Flare Nut			

CONNECTION TYPE	Flare Nut
ELECTRIC CONTROLS	
DEFROST METHOD	Reverse Cycle
WALL CONTROLLER CABLE (INCLUDED FOR WIRED CONTROLLER OPTION)	4 Core (0.75mm²) Shielded Data Cable

OCITINOLELEIN OF FIGHT
OPERATING RANGE
It is essential that the unit is correctly sized for the application and operates within its

recommended range of operating conditions as shown below.

		INDOOR	OUTDOOR
MODE	RANGE	OPERATING	AIR INTAKE
		TEMPERATURE	TEMPERATURE
COOLING	Max.	32°C DB	60°C DB
Min.		17°C DB	-15℃ DB
HEATING	Max.	30°C DB	30°C DB
HEATING	Min.	0°C DB	-25°C DB

AIR FILTERS	
AIRFLOW - Boost/High/Med/Low	370/320/230/190 (I/s)
INPUT (W)	36

Air filters are supplied standard and pre-fitted.

NUMBER OF FANS x TYPE

FAN SPEED (rpm) - Hi/ Lo

INPUT (W)

FIN TYPE

FACE AREA

FIN SPACING

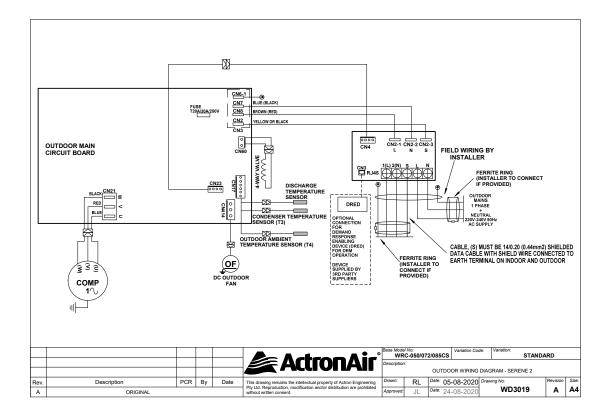
INDOOR FAN NUMBER OF FANS x TYPE

AIRFLOW (I/s)

INDOOR COIL
TUBE TYPE



WRC-072CS (OUTDOOR)



WRE-072CS (INDOOR)

