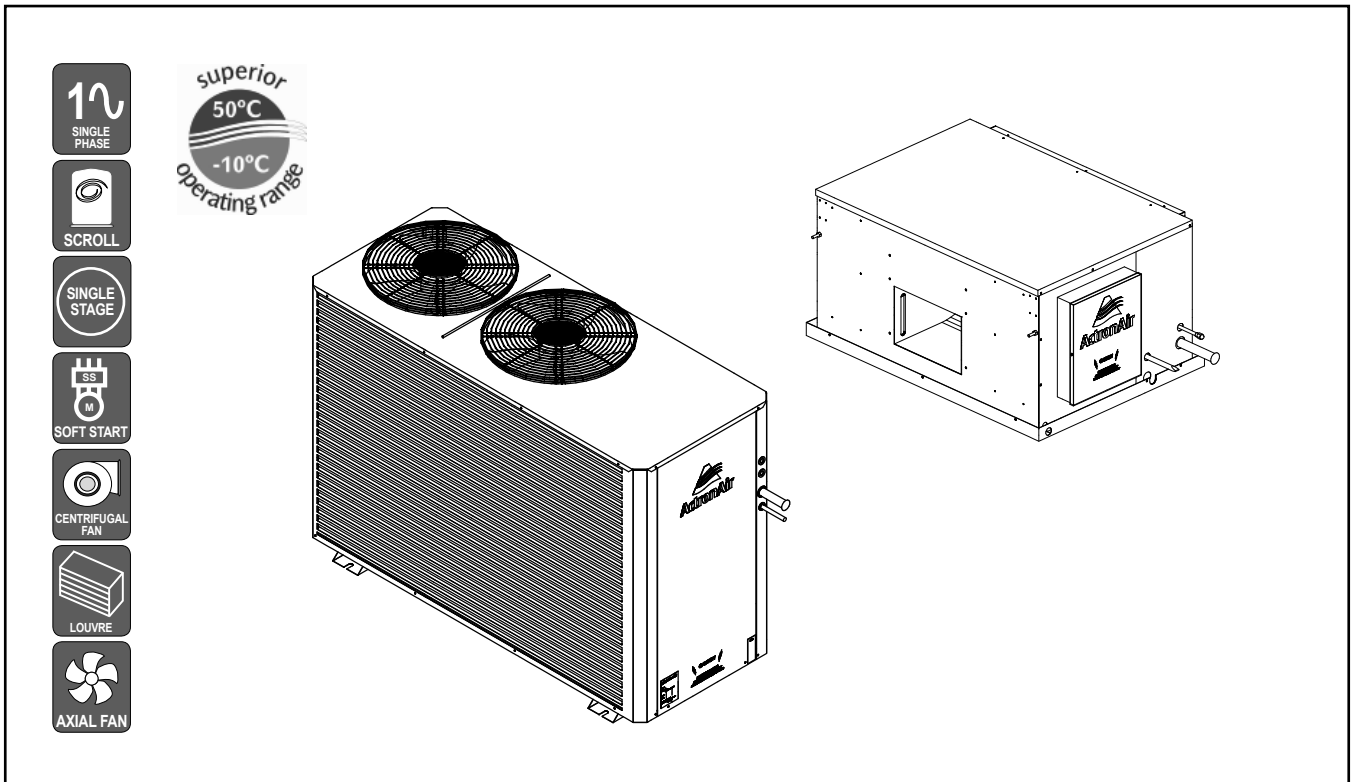


SPLIT DUCTED UNIT

1 Phase
1 Stage
10.56 kW



UNIT FEATURES

- Compliant Scroll Compressor
- ECM High Efficiency Indoor Fan Motor
- Single Phase Soft Starter
- Multiple Speed Outdoor Fan
- Blue Epoxy Coat Coil Fin Protection - Indoor & Outdoor Coils
- Louvred Outdoor Coil Guard
- Pre-charged with R410A Refrigerant
- Integral Fan Coil Safety Tray with Drain Kit
- Adaptive Demand Defrost
- Over Heat Safety Protection / Anti-Freeze Protection - Indoor Coil
- LM7 Wall Controller Supplied as Standard
- 20m Data Cable Included

CONTROL FEATURES

- 7-Day Programmable Controller with 2 Events per Day
- Auto, Heat & Cool Modes
- Auto/Continuous Indoor Fan Operation
- 3 Speed EC Indoor Fan Setting
- Hot Start Feature
- Fault Indication - Relay Output
- 24-Hour ON/OFF Timer
- Home/Building Automation ON/OFF Capability

UNIT / CONTROL OPTIONS

- ActronConnect Module for Wireless Control
- LM24W (24-Hour Wall Controller) - Optional
- Secondary Wall Controller with Mimic Logic
- Remote Temperature Sensors
- Zone Kit for Control up to 8 Zones (See Control Section)
- Additional Full Coil Coat Protection

PLENUMS (Optional)

- Supply Air Plenums are Available in a 2 way Configuration with 300mm or 350mm spigots (Chargeable Options)
- Supply Air Plenum with 1 x 350 mm Spigot is Available (Free of charge as requested upon placing order)
- Return Air Plenum is Available with 1 x 400 mm Spigot

UNIT COMPLIANCE

- MEPS 2012
- Demand Response AS4755.3.1

SPECIFICATION SUMMARY

OUTDOOR UNIT MODEL	SRA101C	
INDOOR UNIT MODEL	SRG101E	
	⁽¹⁾ TOTAL	⁽²⁾ NETT
⁽³⁾ COOLING CAPACITY (kW)	10.56	10.16
⁽³⁾ SENSIBLE CAPACITY (kW)	8.89	8.49
⁽⁴⁾ HEATING CAPACITY (kW)	10.12	10.62
⁽⁵⁾ COOLING INPUT POWER (kW)	3.08	
⁽⁵⁾ HEATING INPUT POWER (kW)	2.96	
EER	3.43	3.30
COP	3.42	3.59
⁽⁶⁾ INDOOR AIRFLOW (l/s) - MIN. / NOMINAL / MAX.	425 / 500 / 575	
OUTDOOR SOUND PRESS. LEVEL @ 3M dB(A) - LOW / HIGH	47.0 / 50.0	
OUTDOOR SOUND POWER LEVEL dB(A) - LOW / HIGH	64.0 / 67.0	
POWER SUPPLY - OUTDOOR	230V / 1 Ph / 50 Hz	
POWER SUPPLY - INDOOR	230V / 1 Ph / 50 Hz	
⁽²⁾ RATED LOAD AMPS -- OUTDOOR / INDOOR / TOTAL	10.9 / 2.8 / 13.7	
⁽⁷⁾ FULL LOAD AMPS -- OUTDOOR / INDOOR / TOTAL	20.5 / 3.5 / 24.0	
⁽⁸⁾ CIRCUIT BREAKER AND CABLE AMPS	25.0	
APPROXIMATE STARTING AMPS	< 45.0	
WEIGHT (kg) -- INDOOR / OUTDOOR	41 / 119	

- ⁽¹⁾ Based on unit rating excluding indoor fan kW.
- ⁽²⁾ Measured and tested in accordance with AS/NZS 3823.1.2.
- ⁽³⁾ At 27°C DB / 19°C WB entering air temperatures and 35°C ambient.
- ⁽⁴⁾ At 20°C DB entering air temperature and 7°C DB / 6°C WB ambient.
- ⁽⁵⁾ input power includes indoor fan kW.
- ⁽⁶⁾ Max. - Min. airflow application range.
- ⁽⁷⁾ Full Load Amps are based on compressor and fan motors' maximum expected current.
- ⁽⁸⁾ See Specifications sheet for cable size and circuit breaker size details.

Note: Use input power to estimate running cost.



CAPACITY SELECTION DATA

SRA101C / SRG101E

COOLING PERFORMANCE

AIR ENTERING		TOTAL CAPACITY kW	TOTAL SENSIBLE CAPACITY - kW AT DB TEMPERATURE ONTO INDOOR COIL - °C											
OUTDOOR DB - °C	INDOOR WB - °C		20	21	22	23	24	25	26	27	28	29	30	
25	16	11.05	6.82	7.46	8.09	8.72	9.34	9.84						
	17	11.05	6.19	6.80	7.45	8.09	8.72	9.33	9.88					
	18	11.27	5.51	6.17	6.79	7.44	8.08	8.70	9.34	9.92	10.44			
	19	11.55	4.83	5.50	6.17	6.78	7.42	8.06	8.69	9.32	9.91	10.46	10.95	
	20	11.81	4.12	4.80	5.48	6.15	6.76	7.40	8.03	8.67	9.30	9.91	10.48	
	21	12.15		4.10	4.78	5.46	6.12	6.73	7.38	8.01	8.64	9.28	9.89	
22	12.45			4.09	4.75	5.43	6.10	6.75	7.35	7.99	8.63	9.26		
30	16	10.66	6.63	7.27	7.90	8.52	9.11	9.56						
	17	10.64	6.00	6.62	7.27	7.90	8.52	9.12	9.67					
	18	10.84	5.33	5.99	6.60	7.25	7.88	8.51	9.13	9.71	10.15			
	19	11.06	4.65	5.32	5.98	6.59	7.24	7.87	8.50	9.11	9.71	10.24		
	20	11.33	3.96	4.63	5.31	5.96	6.58	7.22	7.86	8.48	9.11	9.72	10.27	
	21	11.66		3.93	4.61	5.28	5.95	6.56	7.19	7.84	8.48	9.09	9.69	
22	11.95			3.91	4.58	5.26	5.92	6.53	7.17	7.81	8.45	9.07		
35	16	10.25	6.42	7.06	7.70	8.30	8.86							
	17	10.25	5.80	6.42	7.06	7.69	8.30	8.89	9.39					
	18	10.38	5.14	5.79	6.40	7.05	7.68	8.29	8.90	9.47				
	19	10.56	4.45	5.12	5.79	6.39	7.04	7.67	8.29	8.89	9.48	8.56		
	20	10.84	3.76	4.44	5.11	5.77	6.38	7.01	7.65	8.27	8.89	9.49	10.03	
	21	11.11		3.75	4.42	5.10	5.74	6.37	6.99	7.63	8.25	8.88	9.48	
22	11.38			3.73	4.40	5.06	5.73	6.34	6.97	7.60	8.24	8.86		
40	16	9.75	6.18	6.83	7.44	8.04	8.53							
	17	9.76	5.54	6.18	6.82	7.44	8.06	8.60						
	18	9.82	4.91	5.57	6.17	6.82	7.44	8.04	8.63	9.12				
	19	9.98	4.23	4.90	5.61	6.16	6.80	7.44	8.04	8.64	9.19			
	20	10.21	3.55	4.23	4.89	5.54	6.15	6.78	7.41	8.03	8.63	9.21	9.69	
	21	10.47		3.53	4.20	4.87	5.52	6.13	6.76	7.40	8.02	8.62	9.22	
22	10.73			3.52	4.19	4.85	5.51	6.11	6.73	7.37	8.00	8.62		
45	16	9.21	5.92	6.57	7.18	7.74								
	17	9.22	5.29	5.93	6.56	7.18	7.77	8.25						
	18	9.22	4.67	5.29	5.92	6.55	7.18	7.77	8.32					
	19	9.36	4.00	4.66	5.27	5.91	6.54	7.17	7.77	8.35	8.80			
	20	9.56	3.32	3.98	4.65	5.30	5.90	6.52	7.15	7.77	8.36	8.89		
	21	9.79		3.30	3.97	4.63	5.29	5.88	6.51	7.13	7.77	8.36	8.92	
22	10.07			3.29	3.95	4.62	5.27	5.87	6.50	7.12	7.74	8.34		
50	16	8.61	5.65	6.29	6.87	7.36								
	17	8.62	5.02	5.65	6.29	6.88	7.43							
	18	8.62	4.41	5.02	5.64	6.27	6.89	7.46						
	19	8.68	3.74	4.40	5.01	5.64	6.26	6.89	7.47	8.00				
	20	8.85	3.07	3.73	4.39	5.00	5.63	6.25	6.87	7.47	8.03			
	21	9.07		3.05	3.72	4.38	5.02	5.61	6.23	6.86	7.48	8.04	8.55	
22	9.30			3.03	3.70	4.36	5.00	5.60	6.23	6.85	7.46	8.04		

HEATING PERFORMANCE

WB TEMP ON OD COIL - °C	HEATING CAPACITY - kW AT DB ENTERING INDOOR - °C									
	16		18		20		22		24	
	TH	IH	TH	IH	TH	IH	TH	IH	TH	IH
-10	6.60	6.20	6.58	6.18	6.55	6.16	6.53	6.14	6.51	6.12
-8	7.01	6.52	6.99	6.50	6.96	6.48	6.93	6.45	6.90	6.42
-6	7.41	6.81	7.38	6.79	7.37	6.78	7.34	6.75	7.31	6.72
-4	7.84	7.01	7.82	6.99	7.78	6.97	7.77	6.96	7.73	6.92
-2	8.30	7.22	8.27	7.19	8.22	7.16	8.19	7.13	8.17	7.11
0	8.81	7.57	8.76	7.54	8.71	7.49	8.67	7.45	8.62	7.42
2	9.27	8.25	9.22	8.20	9.16	8.15	9.11	8.11	9.05	8.06
4	9.73	9.25	9.70	9.21	9.65	9.16	9.58	9.10	9.53	9.05
6	10.24	10.24	10.18	10.18	10.12	10.12	10.06	10.06	10.02	10.02
8	10.80	10.80	10.72	10.72	10.66	10.66	10.58	10.58	10.54	10.54
10	11.37	11.37	11.29	11.29	11.22	11.22	11.16	11.16	11.08	11.08
12	11.97	11.97	11.89	11.89	11.82	11.82	11.74	11.74	11.63	11.63
14	12.63	12.63	12.53	12.53	12.42	12.42	12.32	12.32	12.21	12.21
16	13.28	13.28	13.17	13.17	13.05	13.05	12.95	12.95	12.80	12.80
18	13.95	13.95	13.83	13.83	13.70	13.70	13.56	13.56	13.43	13.43

TH - Total Heating Capacity (kW).
IH - Integrated Heating Capacity (kW)
Includes defrost losses.

AIRFLOW CORRECTION MULTIPLIER

% VARIATION	-15%	-10%	-5%	NOMINAL	+5%	+10%	+15%
INDOOR AIRFLOW (l/s)	425	450	475	500	525	550	575
TOTAL COOLING	0.971	0.982	0.992	1.000	1.008	1.016	1.020
SENSIBLE COOLING	0.913	0.943	0.971	1.000	1.029	1.056	1.081
HEATING FACTOR	0.994	0.996	0.998	1.000	1.002	1.003	1.004

NOTES:

- No allowance has been made for the effect of indoor fan motor.
- Selection tables are based on nominal airflows. Correction factors must be applied for selection away from these conditions.

PIPE LENGTH CORRECTION MULTIPLIER

	5 m	10 m	20 m	30 m	40 m	50 m	60 m
COOLING	1.000	0.998	0.990	0.983	0.976	0.968	0.960
HEATING	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Correction multipliers are based on horizontal pipe runs.

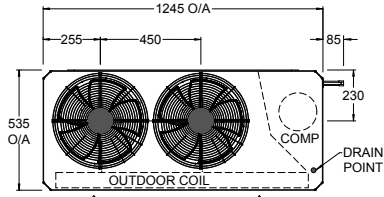


10.56 kW
1 Phase 1 Stage

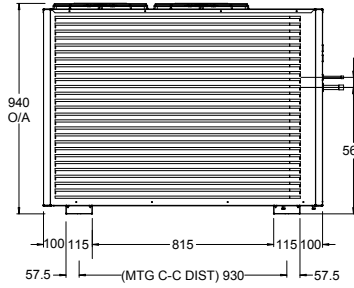
DIMENSIONS AND FAN CURVE

SRA101C / SRG101E

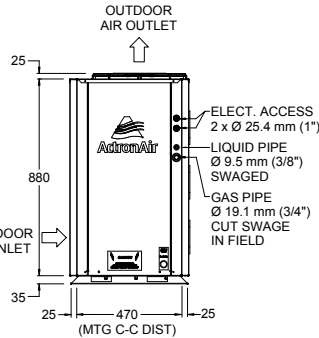
OUTDOOR UNIT SRA101C



TOP VIEW



FRONT VIEW

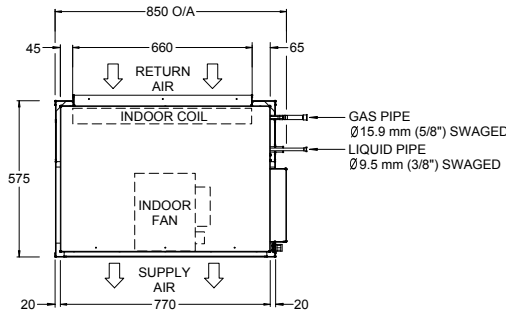


SIDE VIEW

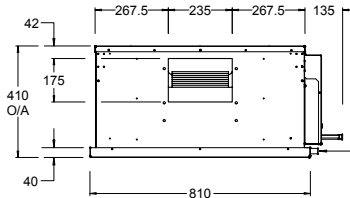
OVERALL NOMINAL DIMENSION (H x W x L)
= 940 x 1245 x 535
USE M12 BOLT FOR FEET MOUNTING

PLEASE NOTE THAT UNDER ALL CIRCUMSTANCES, CONDENSER AIR MUST NOT RECIRCULATE BACK ONTO CONDENSER COIL. KEEP ALL CLEARANCES FREE OF ANY OBSTRUCTIONS

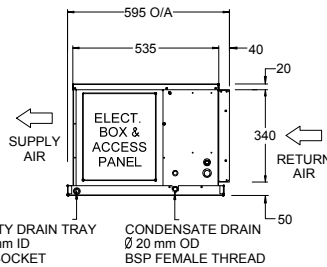
INDOOR UNIT SRG101E



TOP VIEW



FRONT VIEW

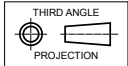


SIDE VIEW

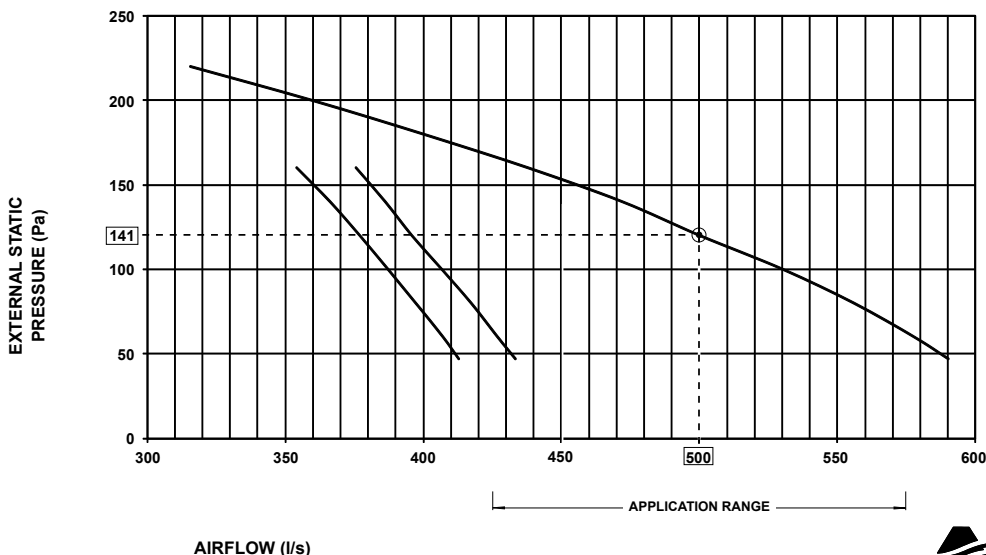
OVERALL NOMINAL DIMENSION (H x W x L)
= 410 x 850 x 595
SUPPLY DUCT (H x W) = 175 x 235 (NO FLANGE)
RETURN DUCT = 340 x 660
USE M12 BOLT FOR FEET MOUNTING

NOTES:

1. All dimensions are in mm unless specified.
2. Do not scale drawing.
3. Refer Pipe Connection Details on Specifications Sheet.
4. Additional Full Coil Coat Protection option available on all units.



INDOOR UNIT FAN CURVE*



* Performance Fan Curve shown is at Dry Coil Condition for 9x7AM - 373W EC Fan.



10.56 kW
1 Phase 1 Stage

Outdoor Radiated

Sound Power Level (SWL)

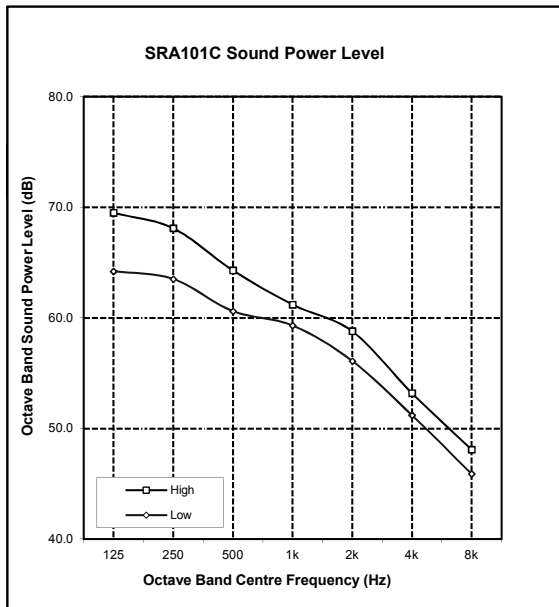
Airflow Settings	Sound Power Level dB(A)	Octave Band Centre Frequency (Hz), dB						
		125	250	500	1k	2k	4k	8k
Nominal	64.0	64.2	63.5	60.6	59.3	56.1	51.2	45.9
Maximum	67.0	69.5	68.1	64.3	61.2	58.8	53.2	48.1

Indoor Outlet

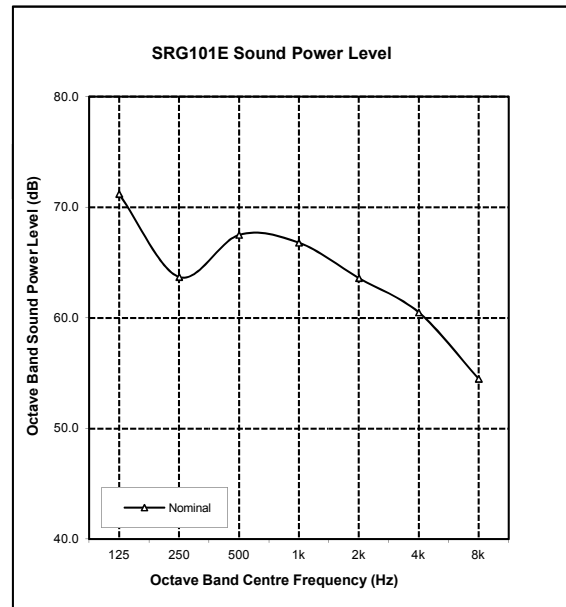
Sound Power Level (SWL)

Airflow Settings	Nominal Airflow Li/s	Sound Power Level dB(A)	Octave Band Centre Frequency (Hz), dB						
			125	250	500	1k	2k	4k	8k
Nominal	500	71.1	71.2	63.7	67.5	66.8	63.6	60.5	54.5

OUTDOOR RADIATED



INDOOR OUTLET



NOTES:

1. Radiated sound power levels are based on ISO 3743-2.
2. Outlet sound power levels are based on ISO 13347-2.

SPECIFICATIONS

SRA101C / SRG101E

1 Phase
1 Stage

10.56 kW

CONSTRUCTION	
CABINET (Indoor Unit)	0.5 - 0.9 mm Galvanized Steel
CABINET (Outdoor Unit)	0.9 - 1.2 mm Zinc & Galv. Steel
SURFACE FINISH (Outdoor Unit)	65 μ Baked Polyester Powder Coat

INSULATION (Indoor Unit)	
TYPE	10 mm Foil Faced Polyethylene 12 mm Expanded Polystyrene

ELECTRICAL	
OUTDOOR UNIT	
Power Supply - 50 Hz	230 Volts x 1 Phase + N
Voltage Range (min - max)	216 V - 253 V
Full Load Amps*	20.5
Rated Load Amps**	10.8
Approximate Starting Amps	< 45.0
IP Rating	44

INDOOR UNIT	
Power Supply - 50 Hz	230 Volts x 1 Phase + N
Voltage Range (min - max)	216 V - 253 V
Full Load Amps*	3.5
IP Rating	20

OUTDOOR & INDOOR UNIT (TOTAL)	
Full Load Amps* - Phase 1	24.0
Full Load Amps* - Phase 2 & 3	Not Applicable
Rated Load Amps**	13.7

IMPORTANT - The local electricity authority may require limits on starting current and voltage drop, please check prior to purchase.

* Full Load Amps are based on Compressor and Fan Motor's maximum expected current.

** Rated Load Amps are measured and tested in accordance with AS/NZS3823.1.2.

CABLE SIZE & CIRCUIT BREAKER SIZE	
Suggested minimum cable size should be used as a guide only, refer to AS/NZS 3000 "Australian/New Zealand Wiring Rules" for more details.	
Cable Size (main line)	4.0 mm ² (SUGGESTED MINIMUM)
Cable Size (indoor to outdoor wire)	1.0 mm ² (SUGGESTED MINIMUM)
Circuit Breaker Size	25.0

OUTDOOR COIL	
TUBE TYPE	Copper - Rifle Bore
FIN TYPE	Aluminium - Wave
FACE AREA (m sq)	0.98
FIN SPACING (per m)	630
COIL COATING	Blue Epoxy Coat Coil Fin Protection
ROWS	---

OUTDOOR FAN	
NUMBER OF FANS x TYPE	2 x Axial
NUMBER OF BLADES PER FAN	5
DIAMETER (mm)	400
OUTPUT kW	0.12
MOTOR TYPE / DRIVE TYPE	6 Pole External Rotor / Direct Drive
FAN SPEED CONTROL	2 Speed via Capacitor
The standard type outdoor fans fitted to this unit will accept up to 5Pa of external static resistance.	

INDOOR COIL	
TUBE TYPE	Copper - Rifle Bore
FIN TYPE	Aluminium - Louvre
FACE ARE (m sq)	0.245
FIN SPACING (per m)	512
COIL COATING	Blue Epoxy Coat Coil Fin Protection
ROWS	---

INDOOR FAN	
NUMBER OF FANS x TYPE	1 x Centrifugal EC Fan
DIAMETER / WIDTH (mm)	240 x 180
OUTPUT kW	0.37 / 0.40
MOTOR TYPE / DRIVE TYPE	Variable Speed EC Motor / Direct

COMPRESSOR	
NUMBER PER UNIT x TYPE	1 x Scroll (Hermetic)
FULL LOAD AMPS	24.8
LOCKED ROTOR AMPS	98.0
STARTING METHOD	Soft Start

REFRIGERATION SYSTEM	
REFRIGERANT TYPE	R-410A
EXPANSION CONTROL	Direct Expansion Orifice
FACTORY CHARGE (grams)	4175
PRE-CHARGE LENGTH (metres)	10
ADDITIONAL REF. CHARGE (gm/m)	50

FILTER DRIER	
CONNECTION SIZE & TYPE	9.5 mm (3/8") ODF Soldered Bi-Flow
FACTORY SUPPLIED / FITTED	No
See Installation Section for complete Filter Drier specifications.	

INTERCONNECTING PIPE RUN	
MAX EQUIV. PIPE LENGTH RANGE	0 - 60 meters
MAX. VERTICAL LENGTH (metres)	20 (Included in Max. Pipe Length)
FIELD PIPE SIZES	
Liquid Pipe	9.5 mm (3/8")
Gas Pipe	15.9 mm (5/8")

PIPE CONNECTIONS		
Indoor	Liquid Pipe	9.5 mm (3/8") Swaged to fit 9.5 mm (3/8") field pipe
	Gas Pipe	15.9 mm (5/8") Swaged to fit 15.9 mm (5/8") field pipe
Outdoor	Liquid Pipe	9.5 mm (3/8") Swaged to fit 9.5 mm (3/8") field pipe
	Gas Pipe	19.1 mm (3/4") Cut swage end to fit 15.9 mm (5/8") field pipe
CONNECTION TYPE		Solder
Insulate both gas and liquid pipes separately.		

PROTECTION DEVICES	
HIGH PRESSURE CUTOFF SWITCH	Nonadjustable (Automatic Reset)
LOW PRESSURE CUTOFF SWITCH	Nonadjustable (Automatic Reset)
COMPRESSOR MOTOR TEMP.	Internal Thermal Cut-Out
INDOOR FAN OVERLOAD	Internal Thermal Cut-Out
OUTDOOR FAN OVERLOAD	Internal Thermal Cut-Out
SUMP HEATER WATTS *	30 W during Compressor Off Cycle
* Crankcase Heater is to be disconnected for pipe lengths 8m or less.	

ELECTRIC CONTROLS	
DEFROST METHOD	Reverse Cycle
DEFROST TYPE	Adaptive Demand Defrost
CONTROL CIRCUIT BREAKER	10.0 Amps
CONTROL FIELD WIRING	2 Core 14 / 0.20 Screened Cable

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.

MODE	RANGE	INDOOR AIR INTAKE TEMPERATURE	OUTDOOR AIR INTAKE TEMPERATURE
Cooling	Max.	29°C DB / 19°C WB	50°C DB
	Min.	20°C DB / 15°C WB	15°C DB
Heating	Max.	24°C DB	21°C DB / 16°C WB
	Min.	16°C DB	-10°C DB

AIR FILTERS

All return air including fresh air must have adequate filters supplied and fitted by the installing contractor. Filters must be located in accessible location between the return air grille and the unit.

ActronAir® does not supply or make any provisions for return air filter.



WIRING DIAGRAM

SRA101C / SRG101E

10.56 kW
1 Phase 1 Stage

LEGEND

AMZ	OPTIONAL ZONE CONTROL BOARD
AMIB	INDOOR CONTROL BOARD
CB	CIRCUIT BREAKER
CCH	CRANKCASE HEATER
CM	COMPRESSOR MOTOR
CRC	COMPRESSOR RUN CAPACITOR
EMC	EC FILTER
F	INLINE FUSE
HP	HIGH PRESSURE SWITCH
HSC	HIGH SPEED CAPACITOR
IF	INDOOR FAN MOTOR
IFRC	INDOOR FAN RUN CAPACITOR
LP	LOW PRESSURE SWITCH
LSC	LOW SPEED CAPACITOR
OF	OUTDOOR FAN MOTOR
OCB	OUTDOOR CONTROL BOARD
OFRC	OUTDOOR FAN RUN CAPACITOR
PWM	PWM VALVE
RV	REVERSING VALVE
SS	SOFT STARTER
TX	TRANSFORMER 240/24V AC
WC	WALL CONTROLLER

CONDENSER FANS SPEED CAPACITORS

MODEL	OFRC	LSC	HSC	CRC
SRA101C	3 uF	14 uF	20 uF	80 uF
SRA131C	4 uF	25 uF	N/A	80 uF
SRA151C	4 uF	25 uF	N/A	80 uF
SRA171C	4 uF	25 uF	N/A	80 uF

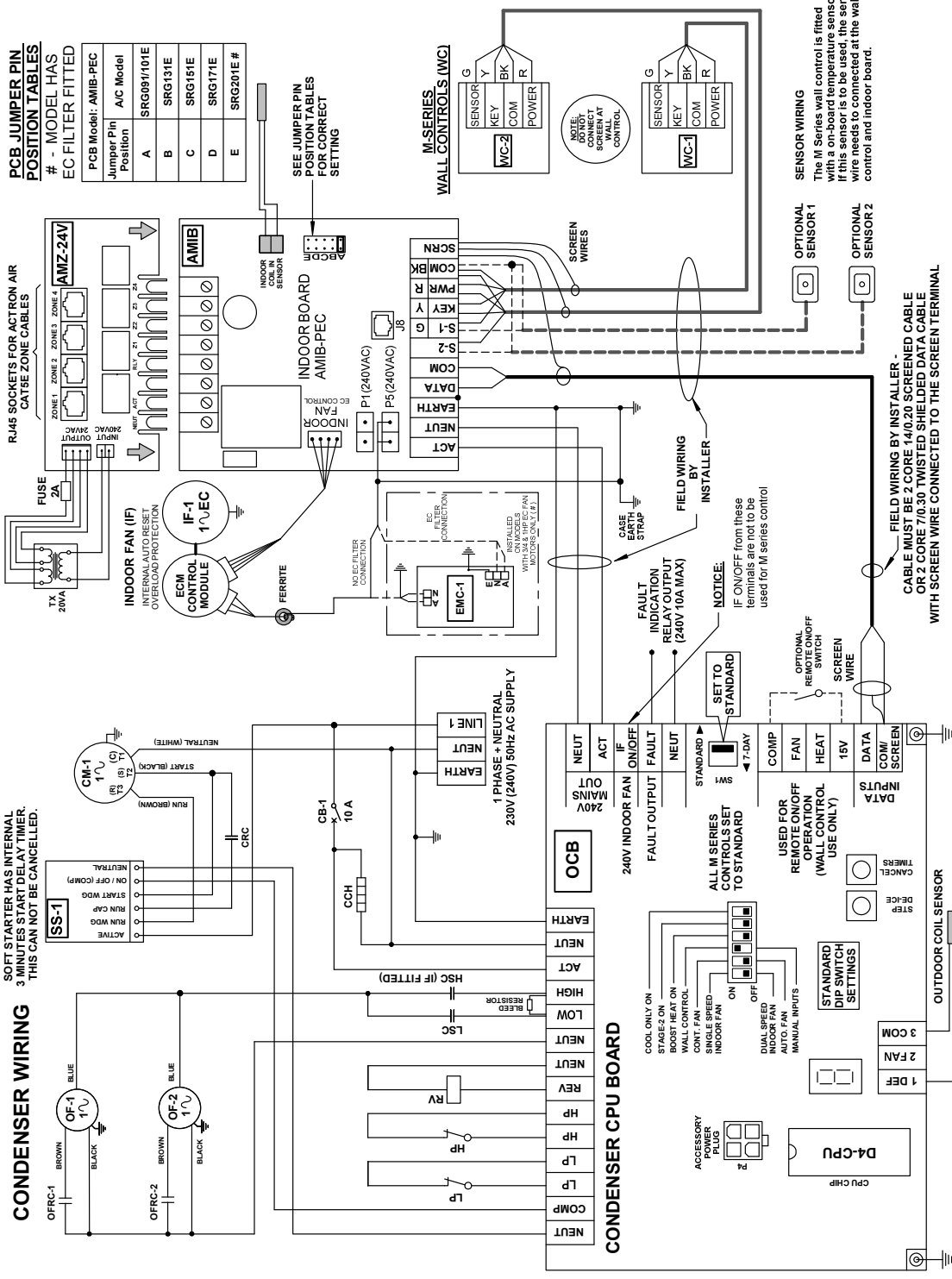
PCB JUMPER PIN POSITION TABLES

- MODEL HAS EC FILTER FITTED

PCB Model: AMIB-PEC

Jumper Pin Position	AC Model
A	SRG091/101E
B	SRG131E
C	SRG151E
D	SRG171E
E	SRG201E#

FIELD WIRING FOR M-SERIES CONTROLS ONLY



Base Model No: **SRA101/131/151/171C** Variation Code: Variation: **STANDARD**

Description: D4 CONTROL SYSTEM WIRING DIAGRAM WITH M-SERIES INDOOR BOARD & WALL CONTROL

Drawn: RL	Date: 22-02-2013	Drawing No: WD0855
Approved: MJH	Date: 02-09-2015	Revision: B
		Size: A4



This drawing remains the intellectual property of Actron Engineering Pty Ltd. Reproduction, modification and/or distribution are prohibited without written consent.

Rev.	Description	By	Date
B	ADDED SRA101/131/151C	PCR	02-09-2015
2598		RL	
A	ORIGINAL		

OUTDOOR UNIT VARIATION

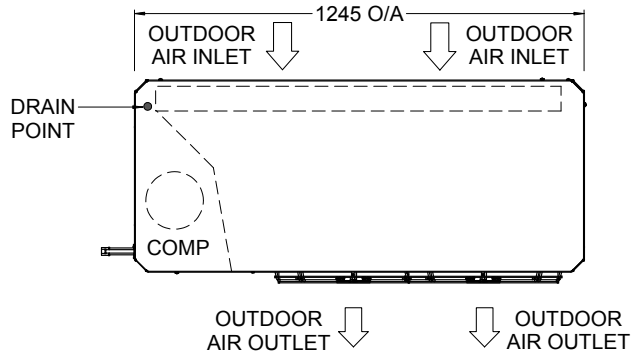
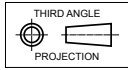
SRA101C-H

OUTDOOR UNIT - HORIZONTAL DISCHARGE FANS 5 Pa

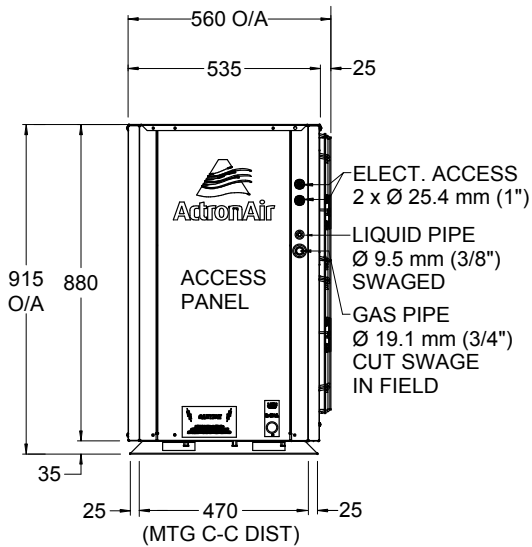
OVERALL NOMINAL DIMENSION (H x W x L)
= 915 x 1245 x 560
USE M12 BOLT FOR FEET MOUNTING

NOTES:

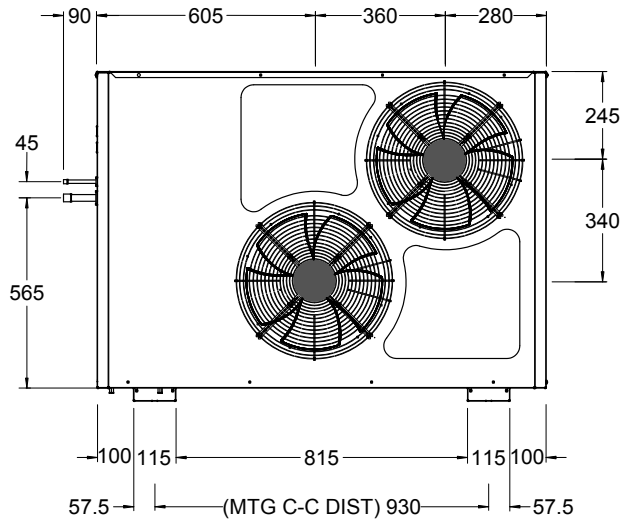
1. All dimensions are in mm unless specified.
2. Do not scale drawing.
3. Additional Full Coil Coat Protection option available on all units.
4. Suggested Service Clearance and Airflow Allowances are based on conditions that the spaces are free from obstructions and walkway passage of 1000mm is available.
5. Minimum service access areas are responsibilities of the installer.



TOP VIEW

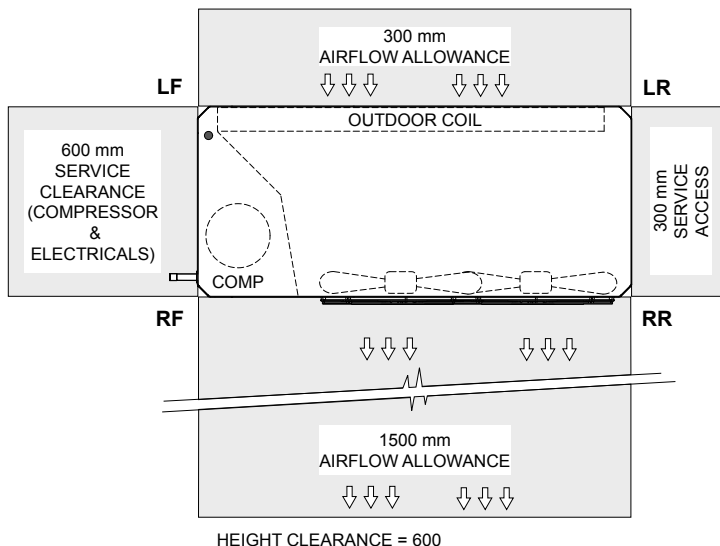


SIDE VIEW



FRONT VIEW

MINIMUM SERVICE ACCESS CLEARANCES & AIRFLOW SPACE ALLOWANCES



TOP VIEW

PLEASE NOTE THAT UNDER ALL CIRCUMSTANCES, CONDENSER AIR MUST NOT RECIRCULATE BACK ONTO CONDENSER COIL. KEEP ALL CLEARANCES FREE OF ANY OBSTRUCTIONS

STACKING OF UNITS	
ONE IN FRONT OF THE OTHER (DISTANCE BET. LF & LR)	SIDE BY SIDE (DISTANCE BET. LF & RF)
600 mm	1500 mm

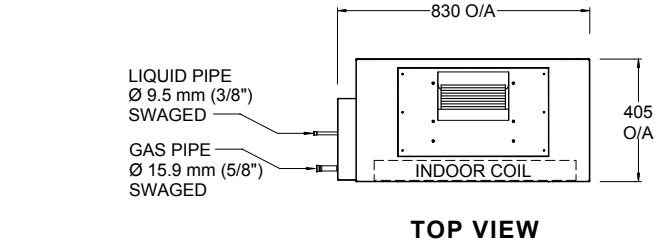


1 Phase
1 Stage
10.56 kW

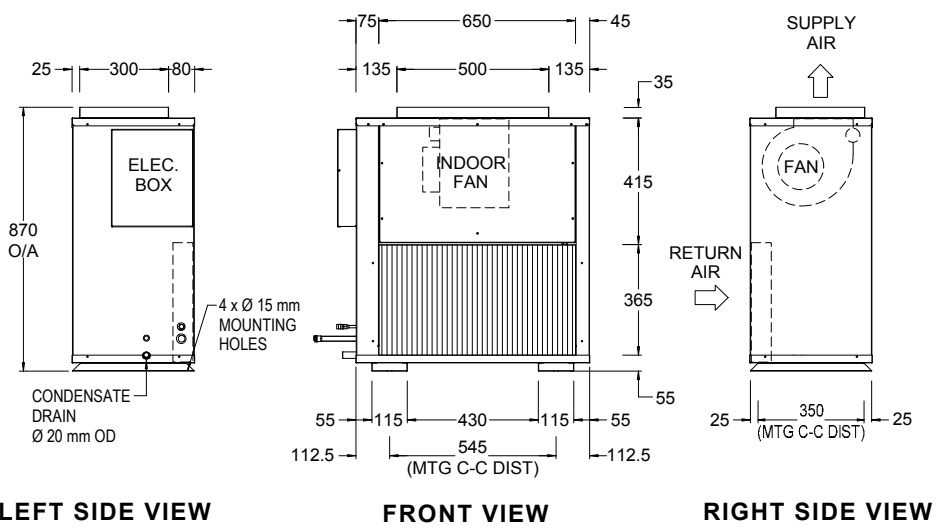
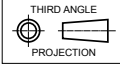
V INDOOR UNIT - UPRIGHT FAN COIL WITH VERTICAL DISCHARGE

10.56 kW
1 Phase 1 Stage

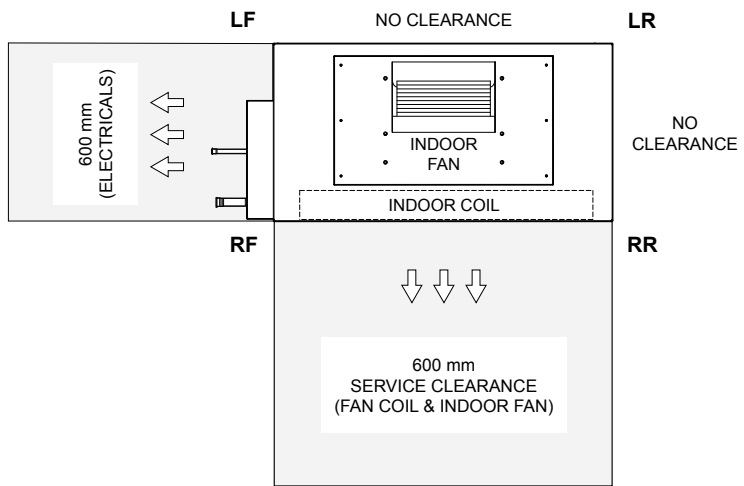
OVERALL NOMINAL DIMENSION (H x W x L)
= 870 x 830 x 405
SUPPLY DUCT (H x W) = 300 x 500
RETURN DUCT (H x W) = 365 x 650
USE M12 BOLT FOR FEET MOUNTING



- NOTES:**
1. All dimensions are in mm unless specified.
 2. Do not scale drawing.
 3. Refer Fan Curve to corresponding standard SRG091E model.
 4. Additional Full Coil Coat Protection option available on all units.
 5. Suggested Service Clearance and Airflow Allowances are based on conditions that the spaces are free from obstructions and walkway passage of 1000mm is available.
 6. Minimum service access areas are responsibilities of the installer.



SERVICE ACCESS CLEARANCES & AIRFLOW SPACE ALLOWANCES



STACKING OF UNITS	
ONE IN FRONT OF THE OTHER (DISTANCE BET. LF & LR)	SIDE BY SIDE (DISTANCE BET. LF & RF)
600 mm	1000 mm

HEIGHT CLEARANCE = DUCT WORK



B INDOOR UNIT - WITH 3RD PARTY CONTROL

1 Phase
1 Stage
10.56 kW

AIRFLOW (l/s)	EXTERNAL STATIC PRESSURE (Pa)																	
	25		50		75		100		125		150		175					
	% PWM	W	% PWM	W	% PWM	W	% PWM	W	% PWM	W	% PWM	W	% PWM	W				
380	MOTOR / BLOWER LIMIT												41	218	43	234	50	254
390													42	223	46	251	53	258
400	MOTOR / BLOWER LIMIT												45	234	49	254	54	265
410													47	242	50	265	72	278
420	39	172	41	192	43	212	46	233	48	254	51	273	80	288				
430	41	179	43	202	45	223	47	247	49	271	53	282	MOTOR / BLOWER LIMIT					
440	42	192	44	213	46	235	48	259	51	281	54	291						
450	44	203	46	226	48	250	49	273	52	286	55	296	MOTOR / BLOWER LIMIT					
460	45	213	47	232	49	251	51	271	53	302	70	310						
470	47	226	49	243	50	260	53	279	54	296	MOTOR / BLOWER LIMIT							
480	49	228	50	241	52	261	54	283	62	309								
490	50	230	52	248	53	270	55	290	70	329	MOTOR / BLOWER LIMIT							
500	51	244	53	262	55	281	64	313	78	345								
510	53	253	54	271	59	293	68	334	81	355	MOTOR / BLOWER LIMIT							
520	54	260	58	281	63	312	70	350	85	365								

NOTES:

W = Indoor Fan Power, Watts
PWM = Pulse Width Modulation Setting, % PWM
 (Adjustable through CPI3-2 Board located in electrical panel).
 Factory PWM Setting = 49 % PWM for 100 Pa.
 - Data in the box indicates Factory Default Setting.

(CPI3-2) RESIDENTIAL PWM INTERFACE BOARD

JUMPER PIN POSITION	INDOOR FAN
A	SRG101E
B	SRG131E
C	SRG151E
D	SRG171E
E	SRG201E
F	NOT USED

NOTES:

- LED will show PWM without %.
- Example: 49% PWM = 49 in LED.
- LED adjustments are in 1 digit increment.

