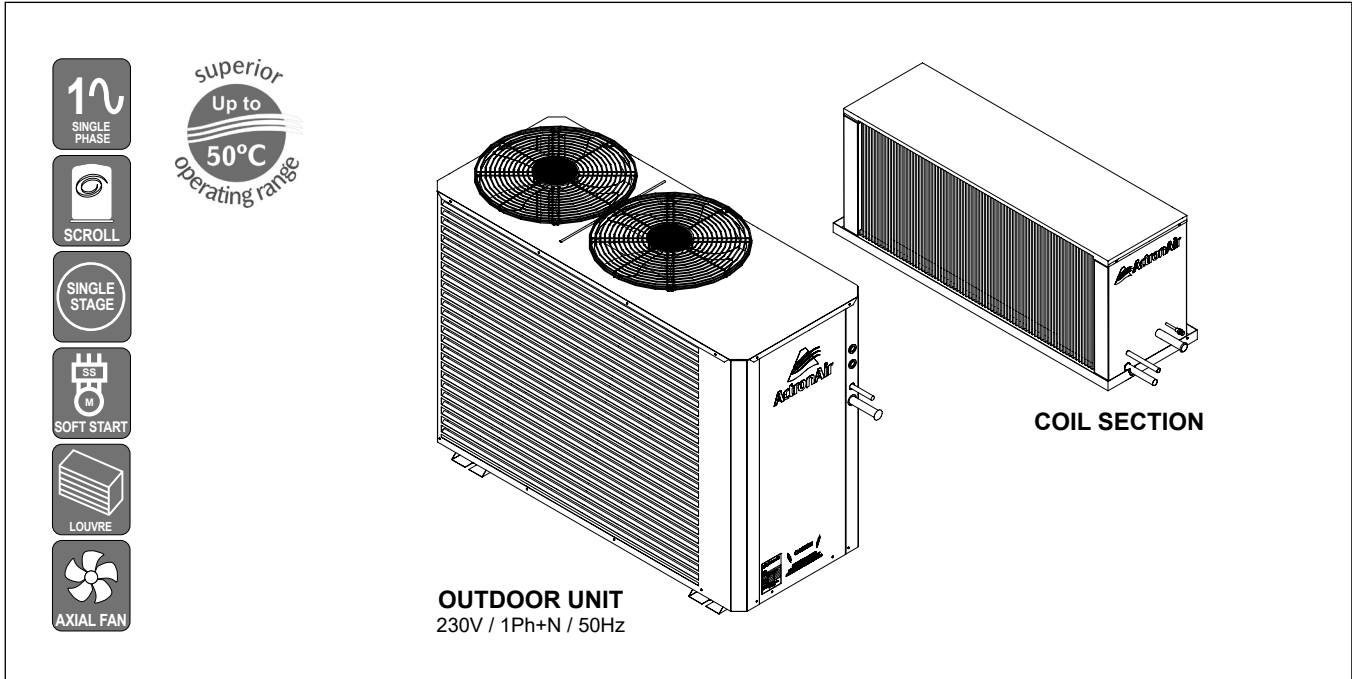


ADD - ON AIR CONDITIONING (STANDARD / COOLING ONLY) MODELS

1-PHASE MODELS

The innovative ActronAir ADD-ON system when integrated onto an existing gas ducted heating system will provide the air conditioning requirement, without the need of installing a complete air conditioning unit. The ADD-On system utilises the same heating system's registers, duct work and heater fan to deliver cool and dehumidified air.

The compact and light weight coil section is also a versatile solution to difficult and tight roof space installations or where there is an under floor room space limitations. The coil section is simply joined by flexible ducting to the other system by either a 1-way EASY FIT supply plenum or a twin spigot duct plate.



UNIT FEATURES

- Compliant Scroll Compressor
- Two Speed Outdoor Fans
- Louvred Outdoor Coil Guard
- Pre-charged with R410A Refrigerant
- Designed for Ease of Installation in Difficult and Tight Spaces.
- Mounting studs for perforated hanging strap.
- Incorporates the EASY FIT supply & return air plenum system.
- Optional External Condensate Drain Tray Available - Outdoor Unit.

OUTDOOR MODEL	Standard	SRA131C	SRA151C	SRA171C
	Cooling Only	SRC131C	SRC151C	SRC171C
INDOOR COIL SECTION MODEL		SRA131A	SRA151A	SRA171A
Nominal Cooling Capacity (kW)	(Low/Med/High)	12.28/12.33/12.82	14.94/15.36/15.78	16.65/16.96/17.49
Nominal Input Power (kW)	(Low/Med/High)	3.21/3.22/3.23	4.00/4.02/4.04	4.55/4.57/4.59
Nominal EER	(Low/Med/High)	3.82/3.83/3.97	3.74/3.82/3.91	3.66/3.71/3.81
Nett Cooling Capacity (kW)	(Low/Med/High)	12.15/12.20/12.65	14.80/15.20/15.60	16.50/16.80/17.30
Nett Input Power (kW)	(Low/Med/High)	3.34/3.35/3.40	4.14/4.18/4.22	4.70/4.73/4.77
Nett EER	(Low/Med/High)	3.64/3.64/3.72	3.57/3.64/3.70	3.51/3.55/3.63
Airflow Indoor (l/s)	(Low/Med/High)	590/640/850	690/810/950	765/840/980
Power Supply - Outdoor Unit (V/Ph/Hz)		230V/1Ph+N/50Hz		
Outdoor Unit Rated Load Amps		14.4	14.4	20.2
Outdoor Unit Full Load Amps		23.1	23.9	30.7
Coil Section	Weight (kg)	27	30	32
	Dimensions (mm) (HxDxW)	409x342x1054	409x342x1252	409x342x1252

NOTES:

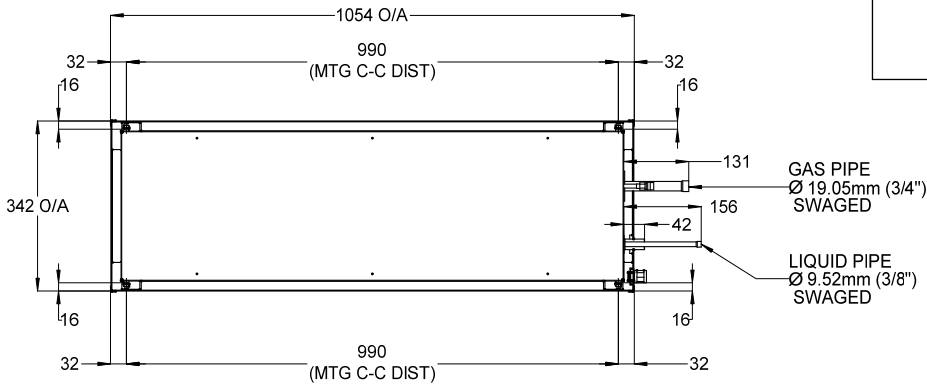
1. REFER RATINGS, SPECIFICATIONS, DATA & FAN CURVES TO CORRESPONDING STANDARD MODEL.
2. AIRFLOW ACROSS THE COIL MUST BE NO LESS THAN THE COMPLETE FAN SECTIONS MINIMUM AIRFLOW.
3. EXTERNAL STATIC PRESSURE IS THE SAME AS THE STANDARD MODEL FAN COIL.
4. WEIGHTS AND DIMENSIONS ARE NOMINAL VALUES.

UNIT DIMENSIONS

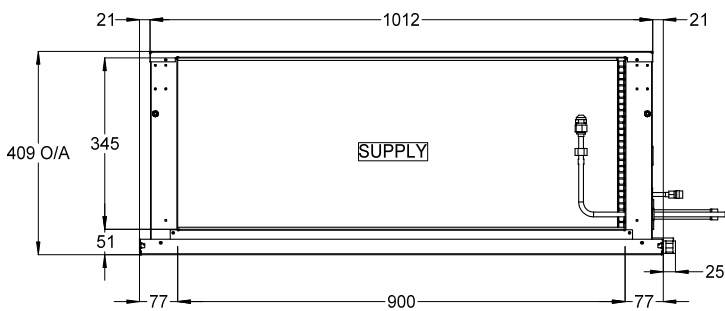
SRA131A

A COIL SECTION

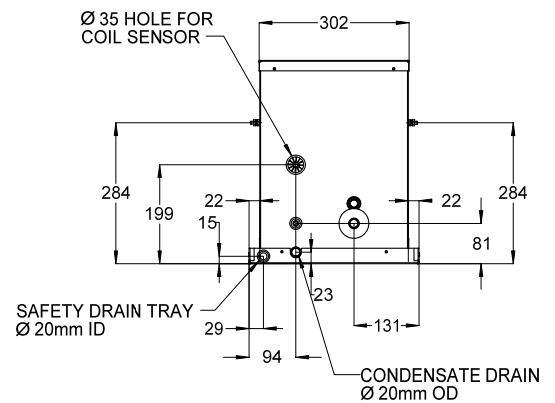
OVERALL NOMINAL DIMENSION (H x W x L)
 = 409 x 1054 x 342
 SUPPLY DUCT (H x W) = 345 x 900
 RETURN DUCT = 345 x 900



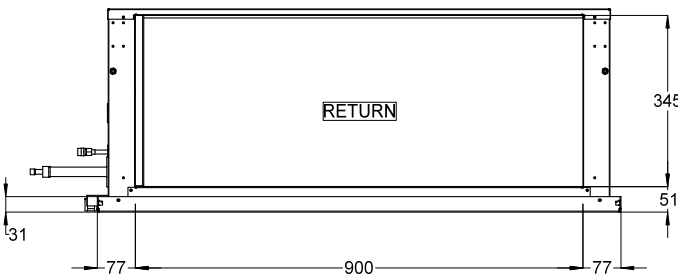
TOP VIEW



FRONT VIEW - SUPPLY AIR



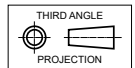
SIDE VIEW



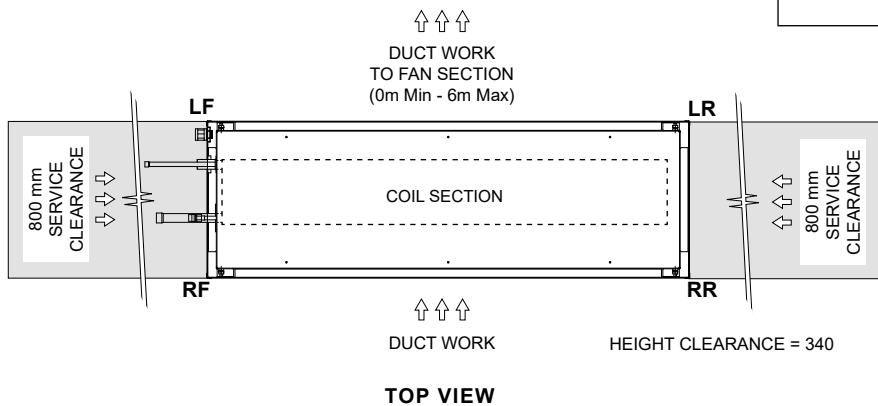
REAR VIEW - RETURN AIR

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 Clearances 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.



MINIMUM SERVICE ACCESS CLEARANCES



TOP VIEW

STACKING OF UNITS

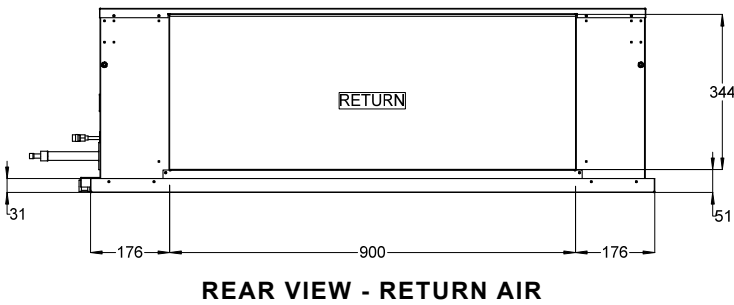
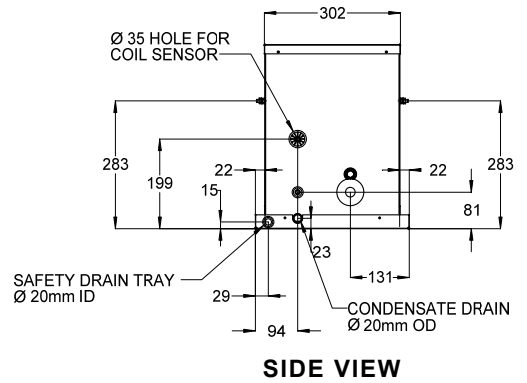
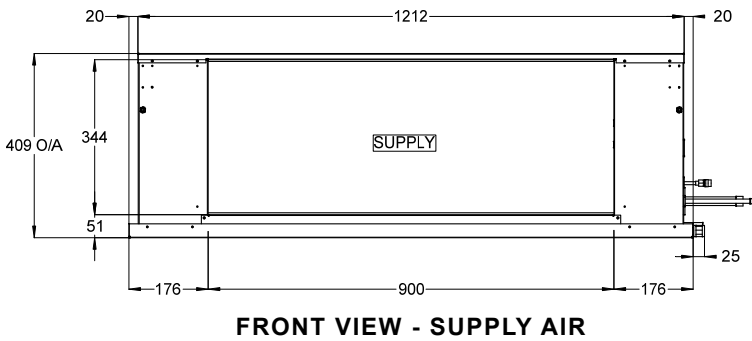
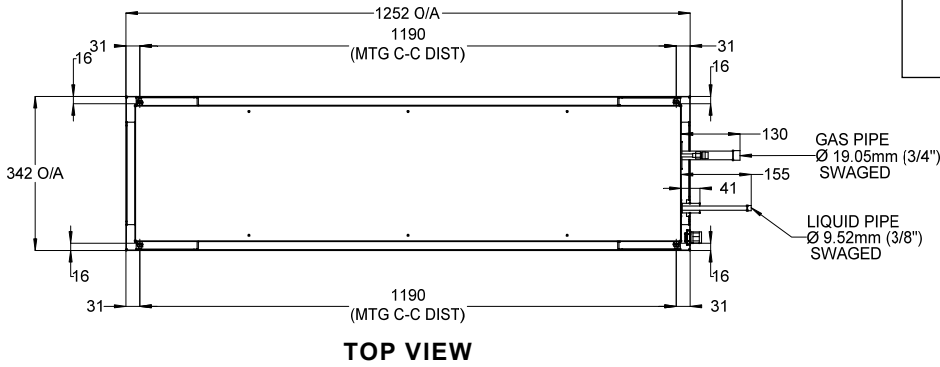
ONE IN FRONT OF THE OTHER (DISTANCE BET. LF & LR)	SIDE BY SIDE (DISTANCE BET. LF & RF)
800 mm	DUCT WORK

UNIT DIMENSIONS

SRA151A

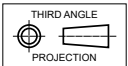
A COIL SECTION

OVERALL NOMINAL DIMENSION (H x W x L)
 = 409 x 1252 x 342
 SUPPLY DUCT (H x W) = 344 x 900
 RETURN DUCT = 344 x 900

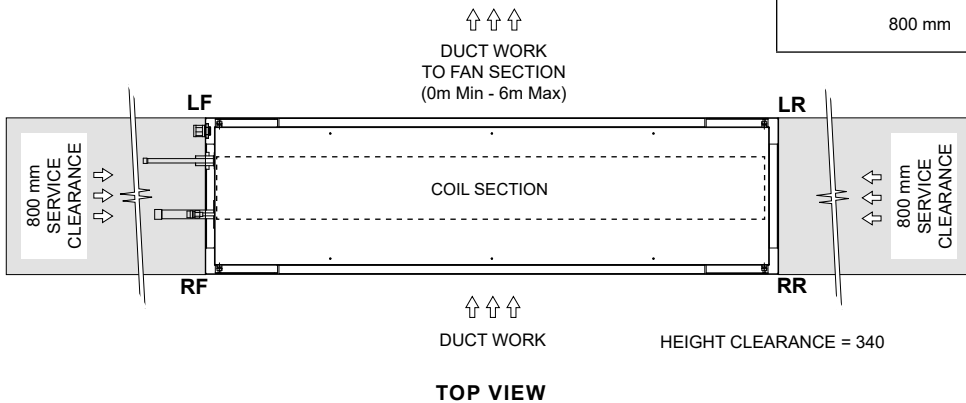


NOTES:

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MINIMUM SERVICE ACCESS CLEARANCES



STACKING OF UNITS

ONE IN FRONT OF THE OTHER (DISTANCE BET. LF & LR)	SIDE BY SIDE (DISTANCE BET. LF & RF)
800 mm	DUCT WORK

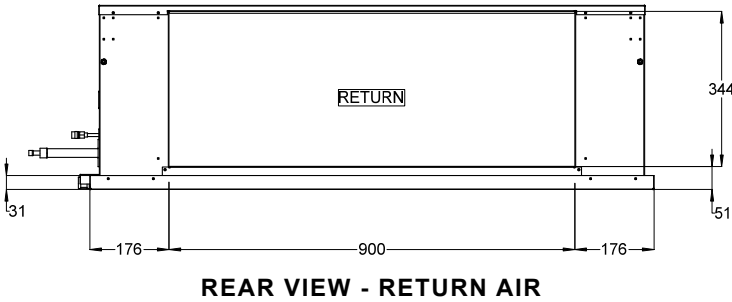
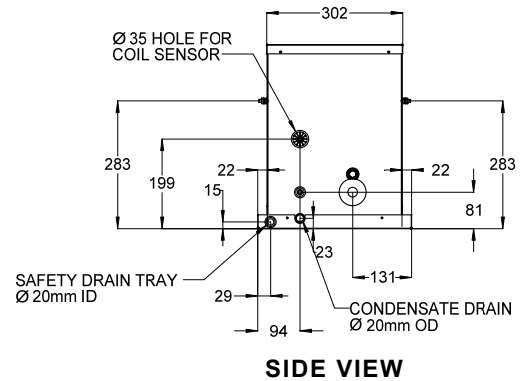
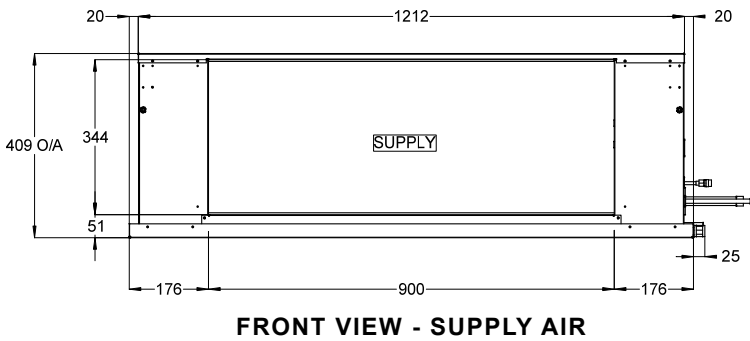
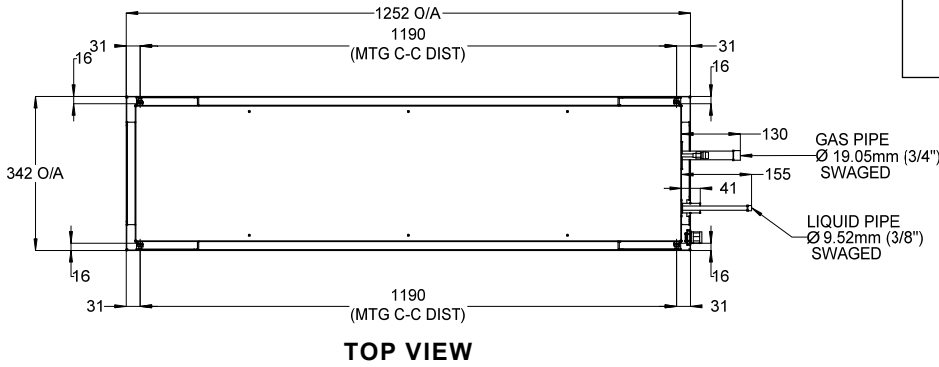


UNIT DIMENSIONS

SRA171A

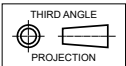
A COIL SECTION

OVERALL NOMINAL DIMENSION (H x W x L)
 = 409 x 1252 x 342
 SUPPLY DUCT (H x W) = 344 x 900
 RETURN DUCT = 344 x 900

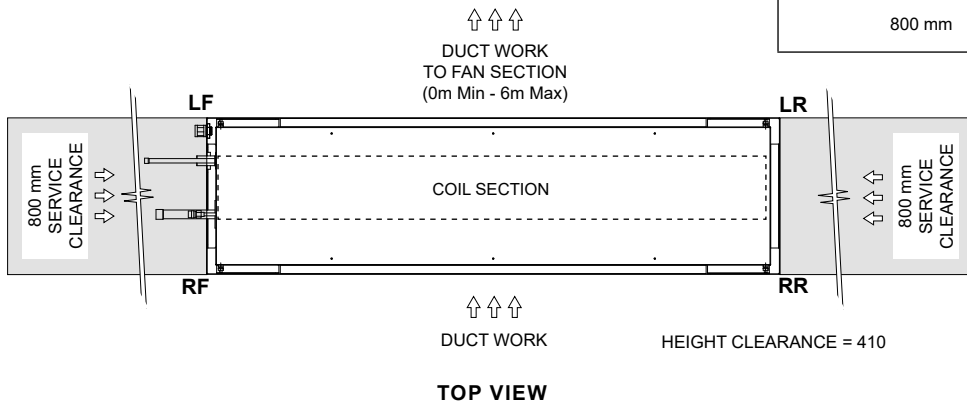


NOTES:

1. All dimensions are in mm unless specified.
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4. Suggested Service Clearances 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.



MINIMUM SERVICE ACCESS CLEARANCES



STACKING OF UNITS

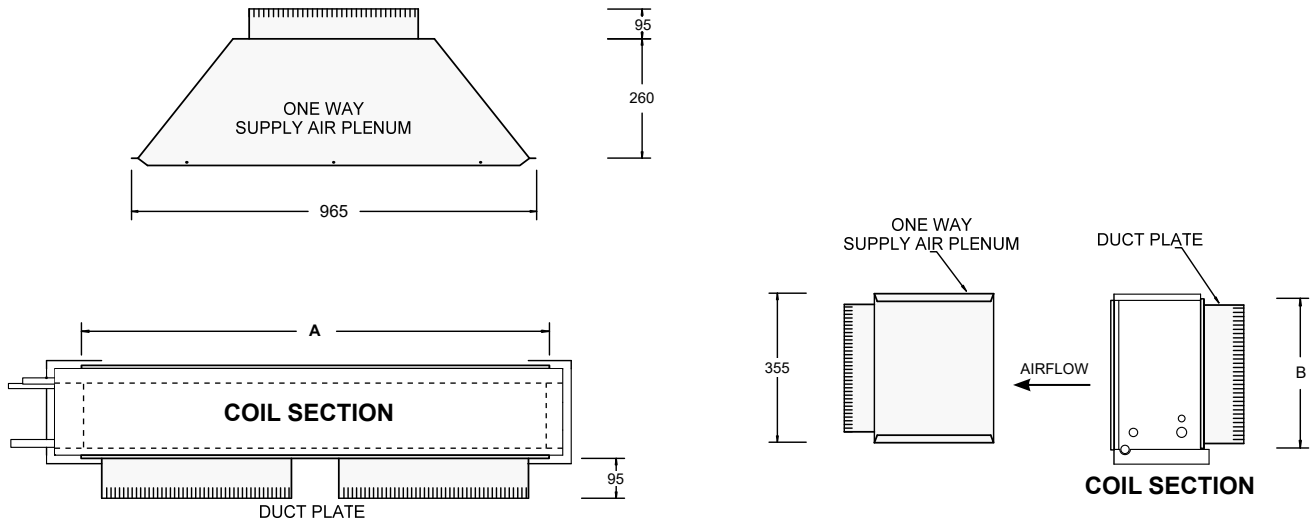
ONE IN FRONT OF THE OTHER (DISTANCE BET. LF & LR)	SIDE BY SIDE (DISTANCE BET. LF & RF)
800 mm	DUCT WORK

SUPPLY PLENUM / DUCT PLATE OPTIONS ADD - ON AIR CONDITIONING

SRA131A

SRA151A

SRA171A



SUPPLY AIR PLENUMS (SUPPLY SIDE)

PLENUM	SRA131A SRA151A SRA171A					
	ONE WAY	TWO WAY		THREE WAY		
MODEL NUMBER	PL18S-1/40S	PL18S-2/35S	PL20S-2/40S	PL13S-3/30S	PL18S-3/35S	PL20S-3/SPS
TYPE / SIZE	1 x 400mm (16")	2 X 350mm (14")	2 x 400mm (16")	3 x 300mm (12")	3 x 350mm (14")	1 x 400mm (16") + 2 x 350mm (14")

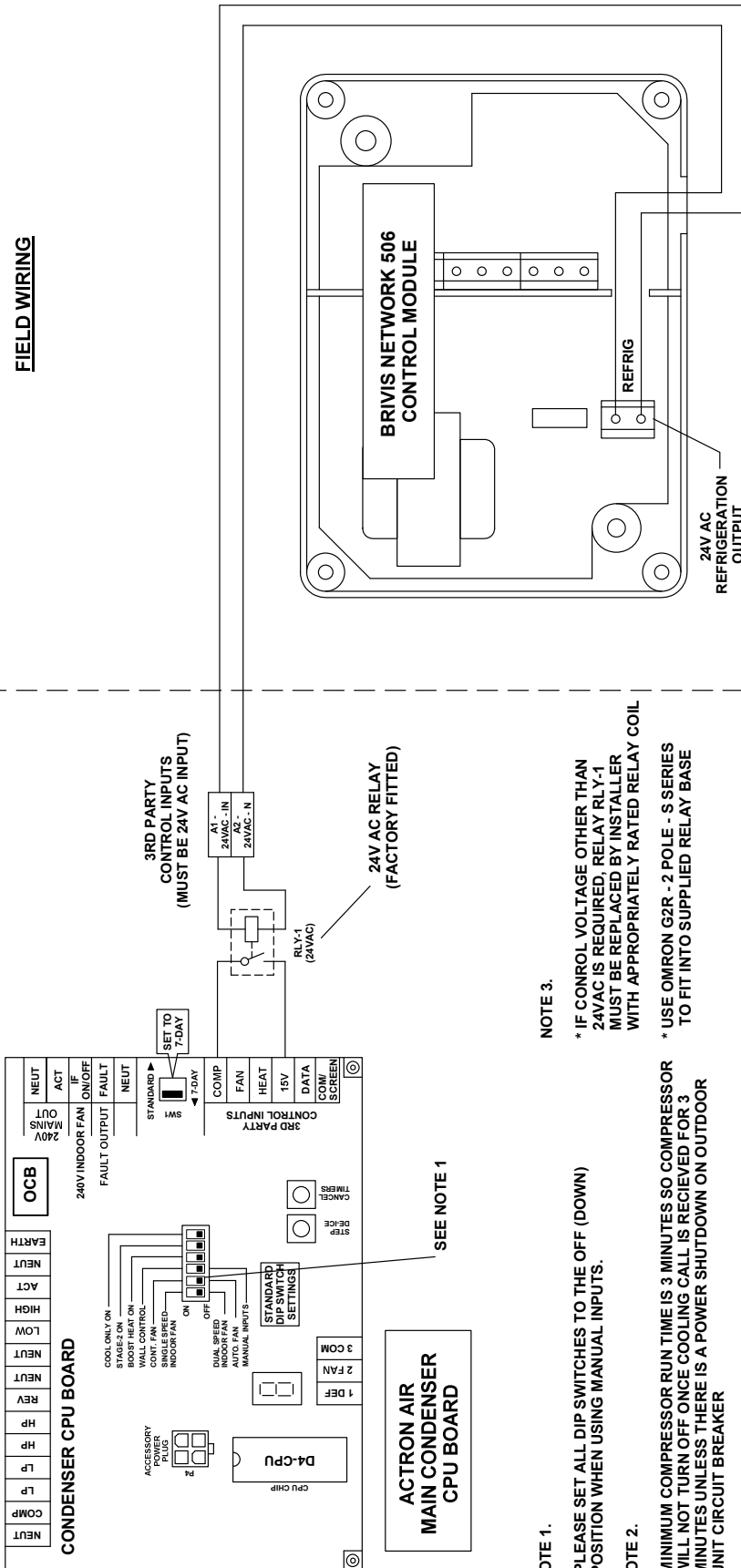
DUCT PLATES (RETURN SIDE ONLY)

PLENUM	SRA131A		SRA151A	SRA171A
	MODEL NUMBER	PLDP-2/350	PLDP-2/400	PLDP-2/400
TYPE / SIZE	2 x 350mm (14")	2 x 400mm (16")	2 x 400mm (16")	
DIMENSION "A"	962	962	962	
DIMENSION "B"	405	405	405	

FIELD WIRING DIAGRAM

BRIVIS GAS HEATING / ACTRONAIR ADD-ON AIR CONDITIONING

FIELD WIRING



NOTE 1.

* PLEASE SET ALL DIP SWITCHES TO THE OFF (DOWN) POSITION WHEN USING MANUAL INPUTS.

NOTE 2.

* MINIMUM COMPRESSOR RUN TIME IS 3 MINUTES SO COMPRESSOR WILL NOT TURN OFF ONCE COOLING CALL IS RECEIVED FOR 3 MINUTES UNLESS THERE IS A POWER SHUTDOWN ON OUTDOOR UNIT CIRCUIT BREAKER

NOTE 3.

* IF CONTROL VOLTAGE OTHER THAN 24VAC IS REQUIRED, RELAY RLY-1 MUST BE REPLACED BY INSTALLER WITH APPROPRIATELY RATED RELAY COIL

* USE OMRON G2R - 2 POLE - S SERIES TO FIT INTO SUPPLIED RELAY BASE



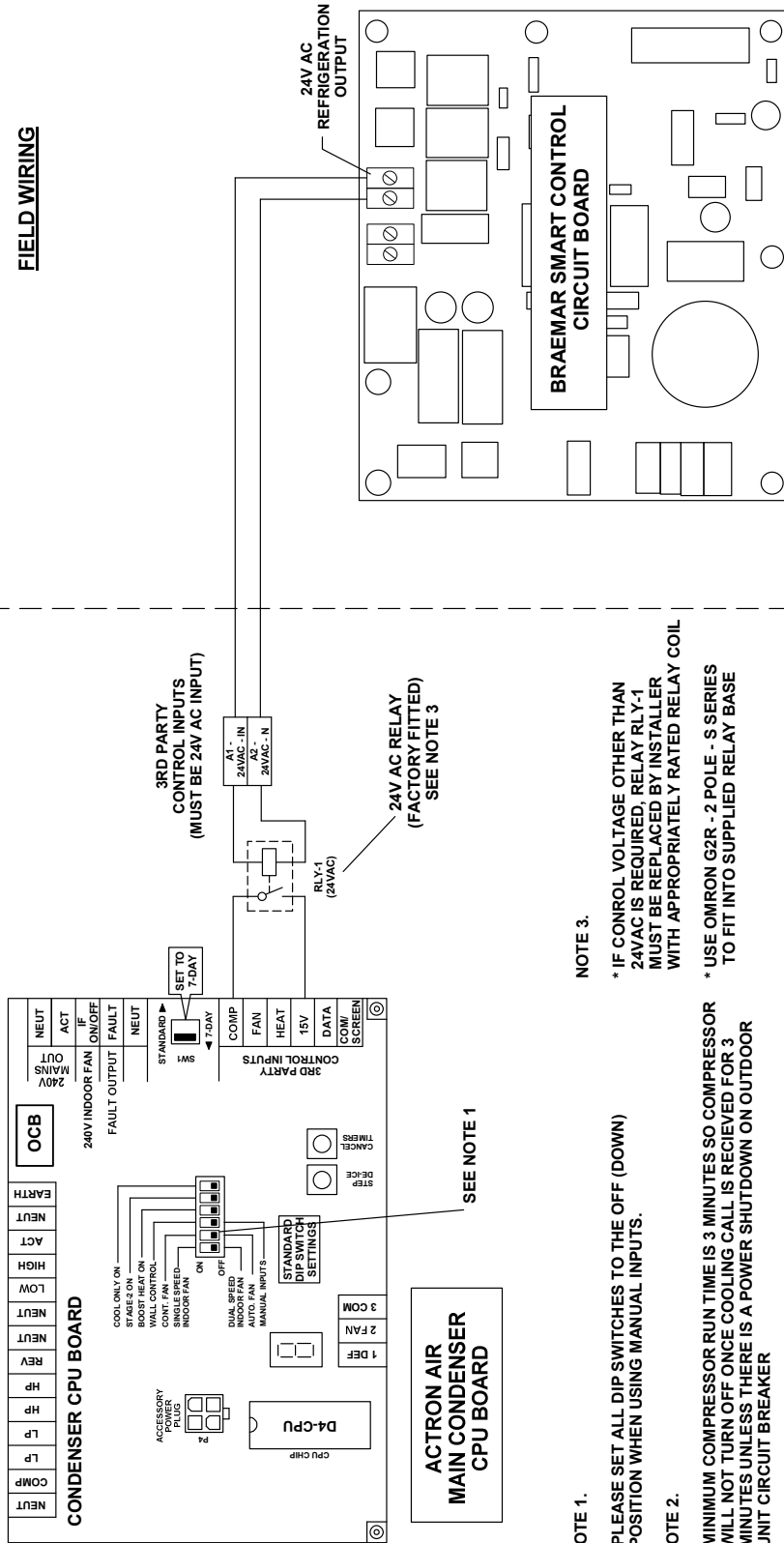
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Model No: VARIOUS		Variation: N/A	
Description: FIELD WIRING FOR BRIVIS GAS HEATING WITH ACTRON AIR ADD ON COOLING			
Rev. A	Description	By PCR	Date 25-03-2014
Rev. B	24VAC RELAY NOW SUPPLIED BY ACTRON	By RL	Date 25-03-2014
Rev. A4	24VAC RELAY NOW SUPPLIED BY ACTRON	By PCR	Date 25-03-2014
Approved: MJH	Drawn: KJP	Date: 23-07-2010	Revision: B
Approved: MJH	Drawn: MJH	Date: 25-03-2014	Revision: A4
Drawing No: WD0589		Variation: N/A	

FIELD WIRING DIAGRAM

BRAEMAR GAS HEATING / ACTRONAIR ADD-ON AIR CONDITIONING

FIELD WIRING



NOTE 1.
* PLEASE SET ALL DIP SWITCHES TO THE OFF (DOWN) POSITION WHEN USING MANUAL INPUTS.

NOTE 2.
* MINIMUM COMPRESSOR RUN TIME IS 3 MINUTES SO COMPRESSOR WILL NOT TURN OFF ONCE COOLING CALL IS RECEIVED FOR 3 MINUTES UNLESS THERE IS A POWER SHUTDOWN ON OUTDOOR UNIT CIRCUIT BREAKER

NOTE 3.
* IF CONTROL VOLTAGE OTHER THAN 24VAC IS REQUIRED, RELAY RLY-1 MUST BE REPLACED BY INSTALLER WITH APPROPRIATELY RATED RELAY COIL
* USE OMRON G2R - 2 POLE - S SERIES TO FIT INTO SUPPLIED RELAY BASE

ActronAir®		Model No: VARIOUS	Variation: N/A
		Description: FIELD WIRING FOR BRAEMAR GAS HEATING WITH ACTRONAIR ADD ON COOLING	
Rev. B	Description 24VAC RELAY NOW SUPPLIED BY ACTRON	Date: 11-03-2010	Drawing No: WD0590
A	ORIGINAL	Approved: MJH	Date: 25-03-2014
	By PCR	Date	Revision B
	2269	25-03-2014	Size: A4

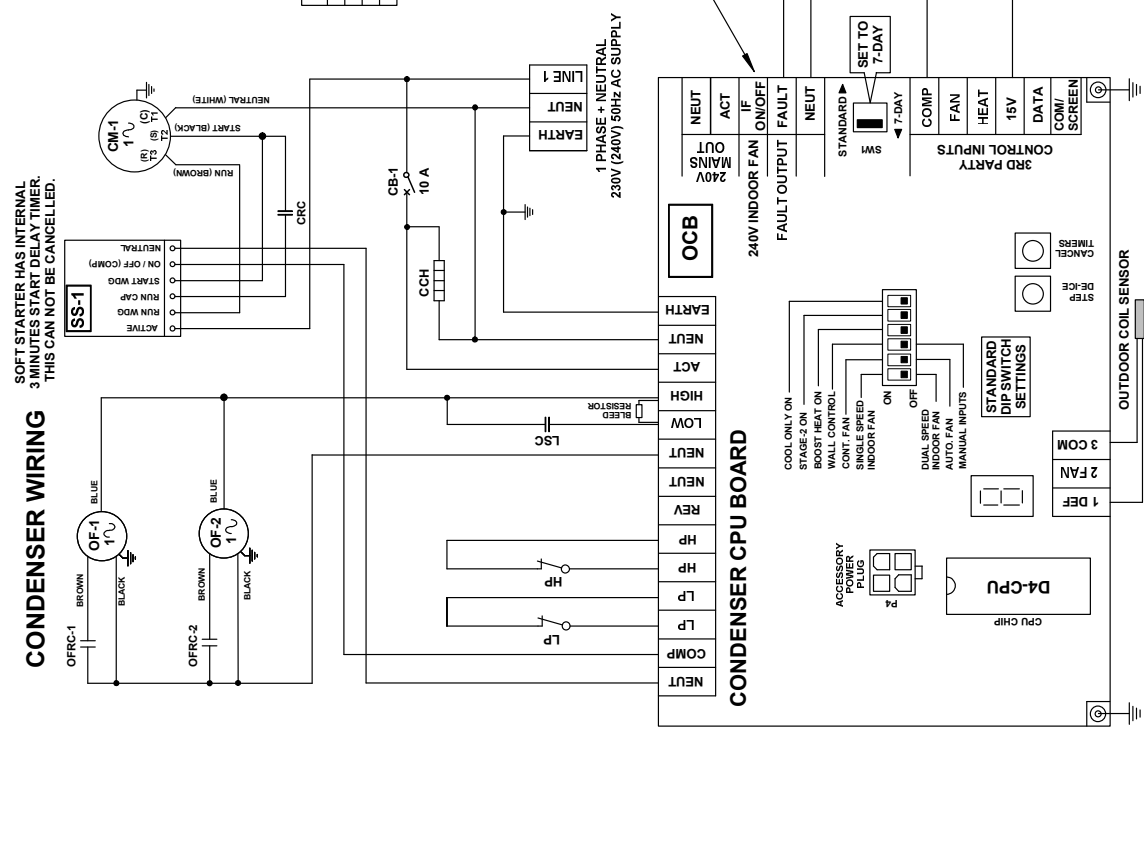
ADD-ON AIR CONDITIONING

FIELD WIRING DIAGRAM

BRAEMAR GAS HEATING / ACTRONAIR ADD-ON AIR CONDITIONING

LEGEND	
CB	CIRCUIT BREAKER
CCH	CRANKCASE HEATER
CM	COMPRESSOR MOTOR
CMC	COMPRESSOR MOTOR CONTACTOR
CRC	COMPRESSOR RUN CAPACITOR
HP	HIGH PRESSURE SWITCH
LP	LOW PRESSURE SWITCH
LSC	LOW SPEED CAPACITOR
OCB	OUTDOOR CONTROL BOARD
OF	OUTDOOR FAN MOTOR
OFRC	OUTDOOR FAN RUN CAPACITOR
RLY	RELAY
SS	SOFT STARTER

CONDENSER CAPACITORS			
MODEL	OFRC	LSC	CRC
SRC131C	4 uF	25 uF	80 uF
SRC151C	4 uF	25 uF	80 uF
SRC171C	4 uF	25 uF	80 uF



Base Model/No:	SRC131/151/171C	Variation Code:	STANDARD
Description:	D4 CONTROL SYSTEM WIRING DIAGRAM FOR COOL ONLY OPERATION		
Drawn:	RL	Date:	03-03-2014
Approved:	MJH	Date:	02-09-2015
Drawing No:	WD0953	Revision:	B
Size:	A4		

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Rev.	Description	By	Date
A	ADDED SRC131/151C	PCR	2598
B		RL	02-09-2015
ORIGINAL			

ADD-ON AIR CONDITIONING