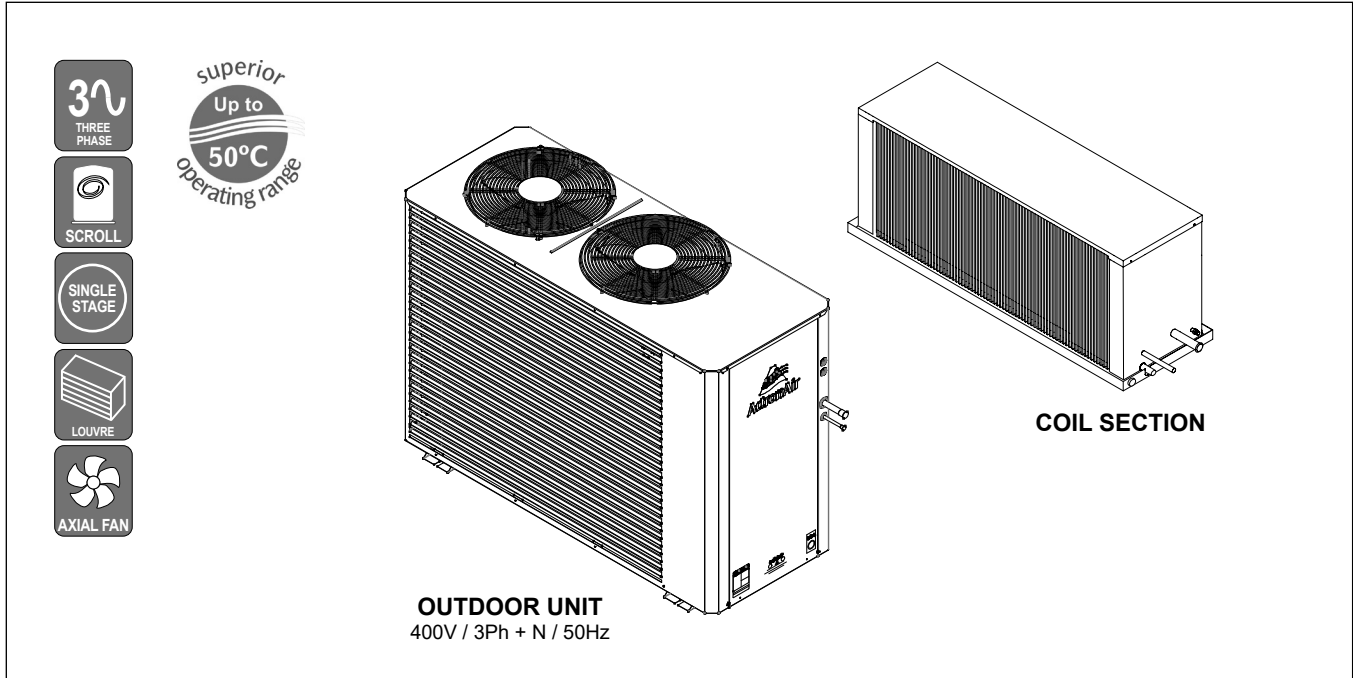


ADD - ON AIR CONDITIONING MODELS

3-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 utilizes 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 underfloor room space limitations. The coil section is simply joined by flexible ducting to the other system by either an EASY FIT supply plenum or a twin spigot duct plate.



UNIT FEATURES

- Compliant Scroll Compressor
- Three Speed Outdoor Fans
- Louvred Outdoor Coil Guard
- Pre-charged with R-410A Refrigerant
- Designed for Ease of Installation in Difficult and Tight Spaces.
- Mounting studs for perforated hanging strap.
- Incorporates the EASY FIT supply and return air plenum system.
- Optional External Condensate Drain Tray Available - Outdoor Unit.

OUTDOOR MODEL	Cooling Only	CCA170T	CCA200T	CCA230T
INDOOR COIL SECTION MODEL		EAA170S	EAA200S	EAA230S
Nominal Cooling Capacity (kW)	(Low / Med / High)	16.85 / 17.26 / 17.68	18.77 / 19.09 / 19.70	22.28 / 23.22 / 23.89
Nominal Input Power (kW)	(Low / Med / High)	4.37 / 4.44 / 4.49	5.25 / 5.26 / 5.27	5.95 / 6.00 / 6.03
Nominal EER	(Low / Med / High)	3.86 / 3.89 / 3.94	3.58 / 3.63 / 3.74	3.74 / 3.87 / 3.96
Nett Cooling Capacity (kW)	(Low / Med / High)	16.7 / 17.10 / 17.50	18.60 / 18.90 / 19.50	22.10 / 23.00 / 23.65
Nett Input Power (kW)	(Low / Med / High)	4.52 / 4.61 / 4.67	5.42 / 5.45 / 5.47	6.14 / 6.21 / 6.28
Nett EER	(Low / Med / High)	3.69 / 3.71 / 3.75	3.43 / 3.47 / 3.56	3.60 / 3.70 / 3.77
Requirede Indoor Airflow (l/s)	(Low / Med / High)	765 / 840 / 980	900 / 985 / 1120	980 / 1200 / 1400
Power Supply - Outdoor Unit (V/Ph/Hz)		400V / 3Ph + N / 50Hz		
Outdoor Unit Rated Load Amps		8.6	10.4	12.0
Outdoor Unit Full Load Amps		12.3	13.9	15.9
Coil Section	Weight (kg)	29	39	43
	Dimensions (mm) (HxDxW)	410x342x1252	435x342x1360	485 x342 x 1410

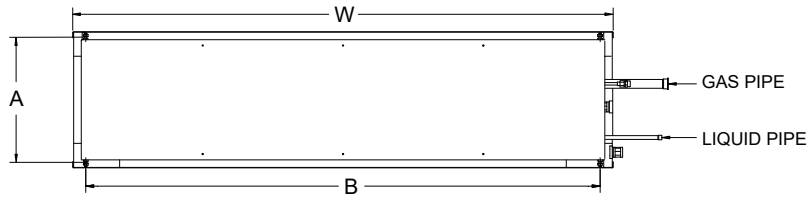
NOTES:

1. Refer ratings, specifications, data and 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.

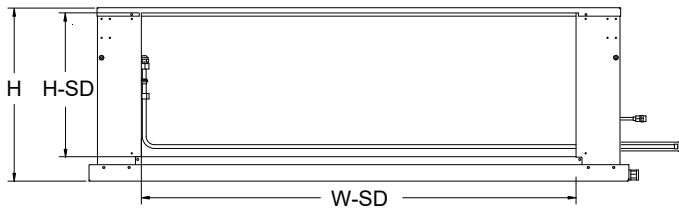
SUPPLY PLENUM / DUCT PLATE OPTIONS ADD - ON AIR CONDITIONING

EAA170S EAA200S EAA230S

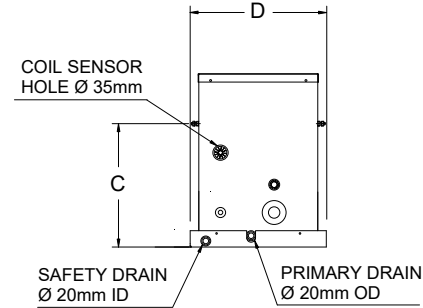
A COIL SECTION



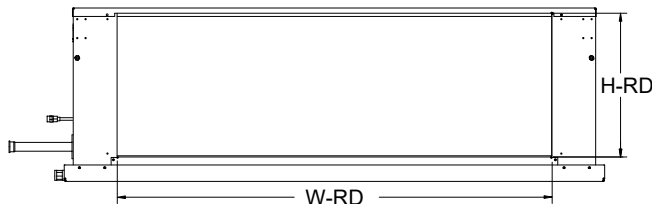
TOP VIEW



FRONT VIEW - SUPPLY AIR



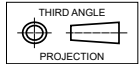
SIDE VIEW



REAR VIEW - RETURN AIR

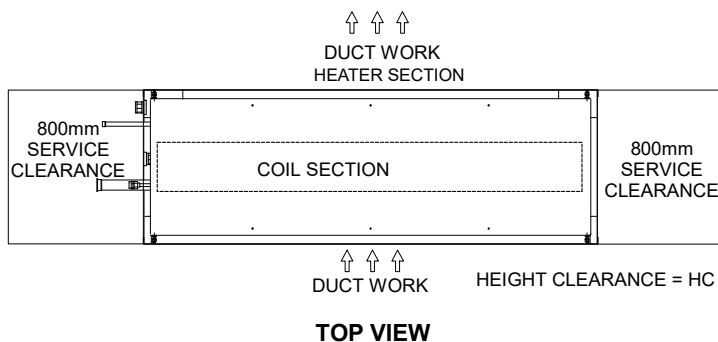
NOTES:

1. Do not scale drawing, All dimensions are in mm unless specified.
2. Refer Field Pipe connection details on specifications sheet.
3. Service Clearance 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.
4. Minimum service access clearances are responsibilities of the installer, ActronAir will not be held liable for any extra charges incurred due to lack of access.
5. Cooling coil can be installed in the supply air side of the ductwork when paired with a third party gas heater. The supply air temperature across the cooling coil must not exceed 50°C.



	EAA170S	EAA200S	EAA230S
Overall Nominal Dimension (O/A)			
Height (H)	410	435	485
Width (W)	1252	1360	1410
Depth (D)	342	342	342
Mounting Distance Centre to Centre			
A	315	315	355
B	1190	1294	1346
C	283	310	360
Supply Duct			
Height (H-SD)	345	362	410
Width (W-SD)	900	1094	1094
Return Duct			
Height (H-RD)	345	362	410
Width (W-RD)	900	1094	1094
Gas Pipe	Ø 19.05mm (3/4") Swaged	Ø 22.22mm (7/8") Swaged	Ø 25.4mm (1") Swaged
Liquid Pipe	Ø 9.52mm (3/8") Swaged		Ø 12.7mm (1/2") Swaged

Minimum Service Areas and Airflow Clearances



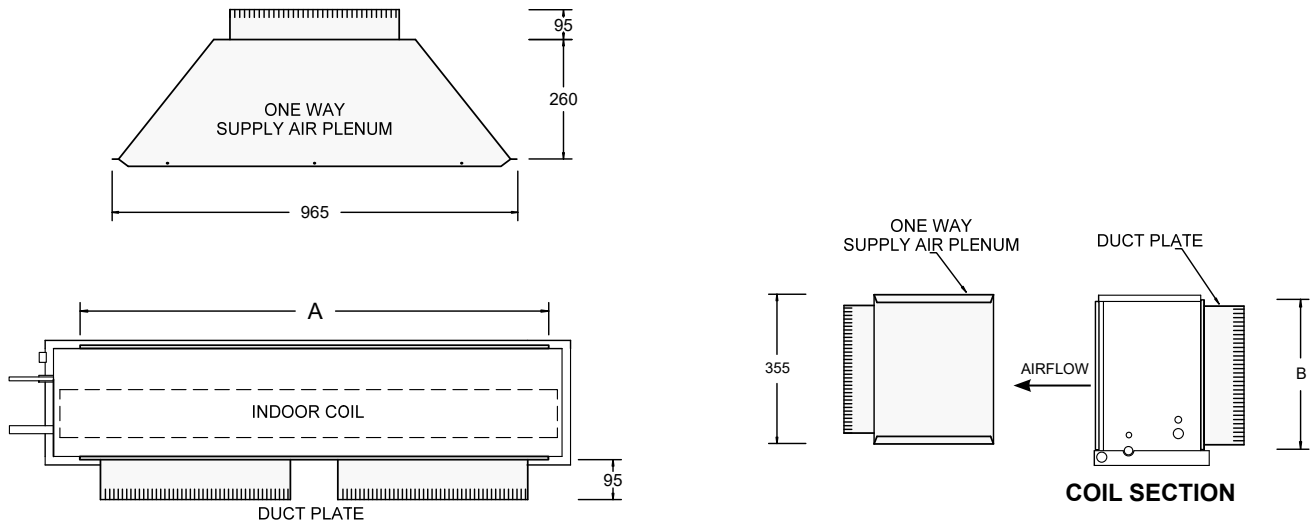
	EAA130S / EAA150S	EAA170S
Height Clearance (HC)	340	410

ADD-ON AIR CONDITIONING



SUPPLY PLENUM / DUCT PLATE OPTIONS ADD - ON AIR CONDITIONING

EAA170S



SUPPLY AIR PLENUMS (SUPPLY SIDE)

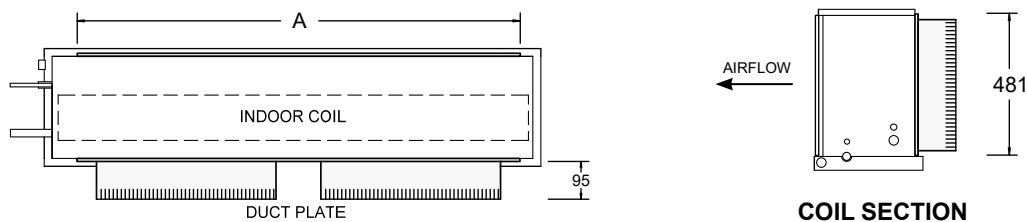
PLENUM	EAA170S					
	ONE WAY	TWO WAY		THREE WAY		
MODEL NUMBER	PL18S-1/40S	PL18S-2/35S	PL20S-2/40S	PL13S-3/30S	PL18S-3/35S	PL20S-3/SPS
TYPE / SIZE	1 x 400 mm (16")	2 X 350 mm (14")	2 x 400 mm (16")	3 x 300 mm (12")	3 x 350 mm (14")	1 x 400 mm (16") + 2 x 350 mm (14")

DUCT PLATES (RETURN SIDE ONLY)

PLENUM	EAA170S
MODEL NUMBER	PLDP-2/400
TYPE / SIZE	2 x 400 mm (16")
DIMENSION "A"	962
DIMENSION "B"	405

DUCT PLATE OPTION - ADD ON AIR CONDITIONING

EAA200S EAA230S



DUCT PLATES (RETURN SIDE ONLY)

PLENUM	EAA200S	EAA230S
MODEL NUMBER	PLDS-2/400	PLDT-2/450
TYPE / SIZE	2 x 400 mm (16")	2 x 450 mm (18")
DIMENSION "A"	1155	1157
DIMENSION "B"	432	481

NOTES:

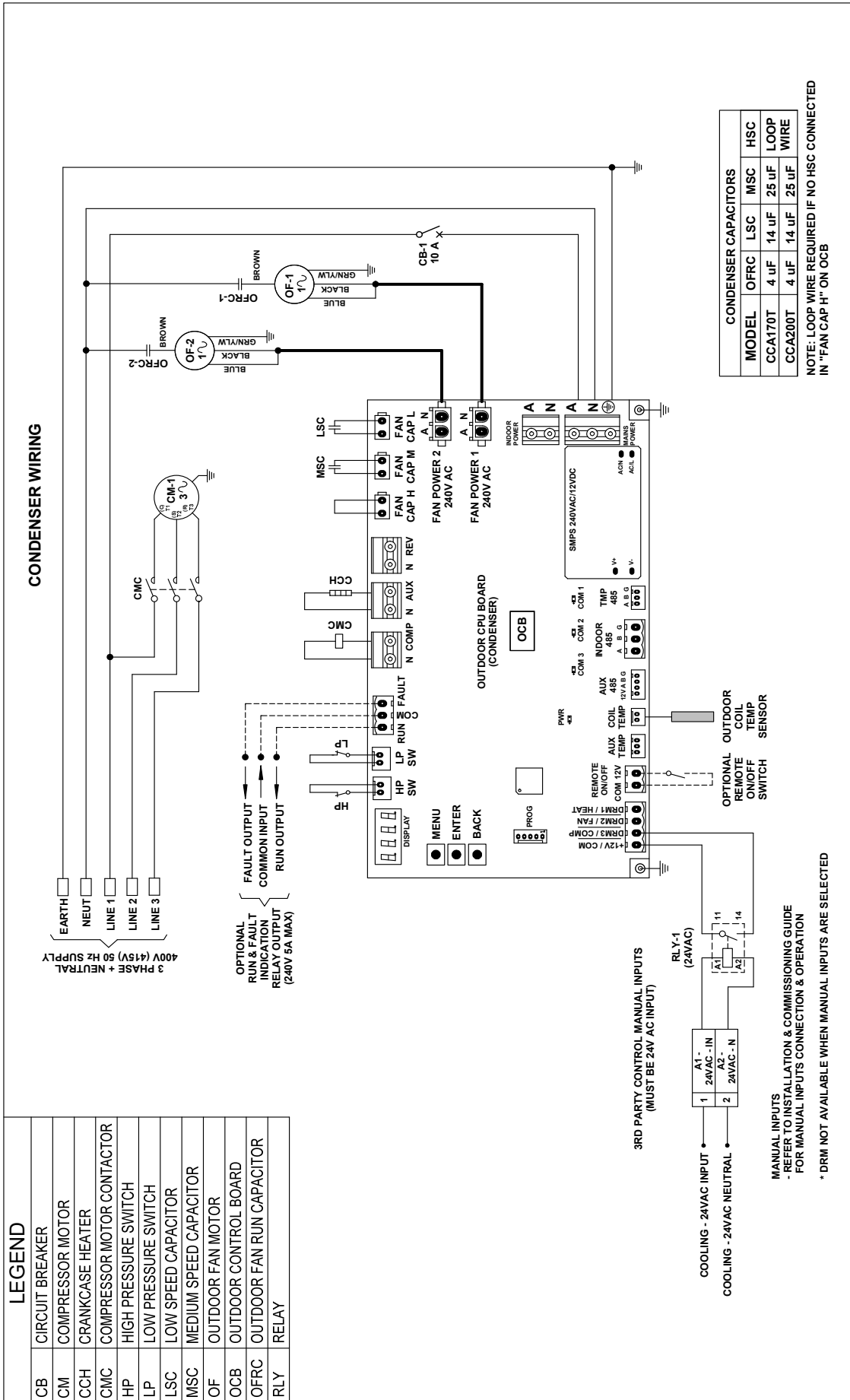
- For airflow purposes, please refer to supply and return air matrix for details of required number of spigots in operation.
- For 12-17 kW units, use supply plenum from above table.
- For 20 kW and 23 kW units, **installer must provide** their own supply plenum.
Recommended sizes for 20 kW are 2 x 350 mm, 2 x 400 mm, 3 x 300 mm and 3 x 350 mm
Recommended sizes for 23 kW are 2 x 450 mm, 3 x 350 mm, 3 x 400 and 3 x 450 mm
- Dimensions are nominal values.
- For **add-on cooling**, ActronAir does not recommend a duct plate on the supply side.



FIELD WIRING DIAGRAM

ACTRONAIR ADD-ON AIR CONDITIONING

ADD-ON AIR CONDITIONING



Base Model No: CCA170/200T		Variation Code: STANDARD	
Description: UNO SERIES CONTROL SYSTEM WIRING DIAGRAM WITH INZONE SERIES INDOOR BOARD & WALL CONTROL FOR COOL ONLY OPERATION			
Drawn: RL	Date: 18-04-2019	Drawing No: WD2206	Revision Size: B A4
Approved: JL	Date: 08-07-2021		

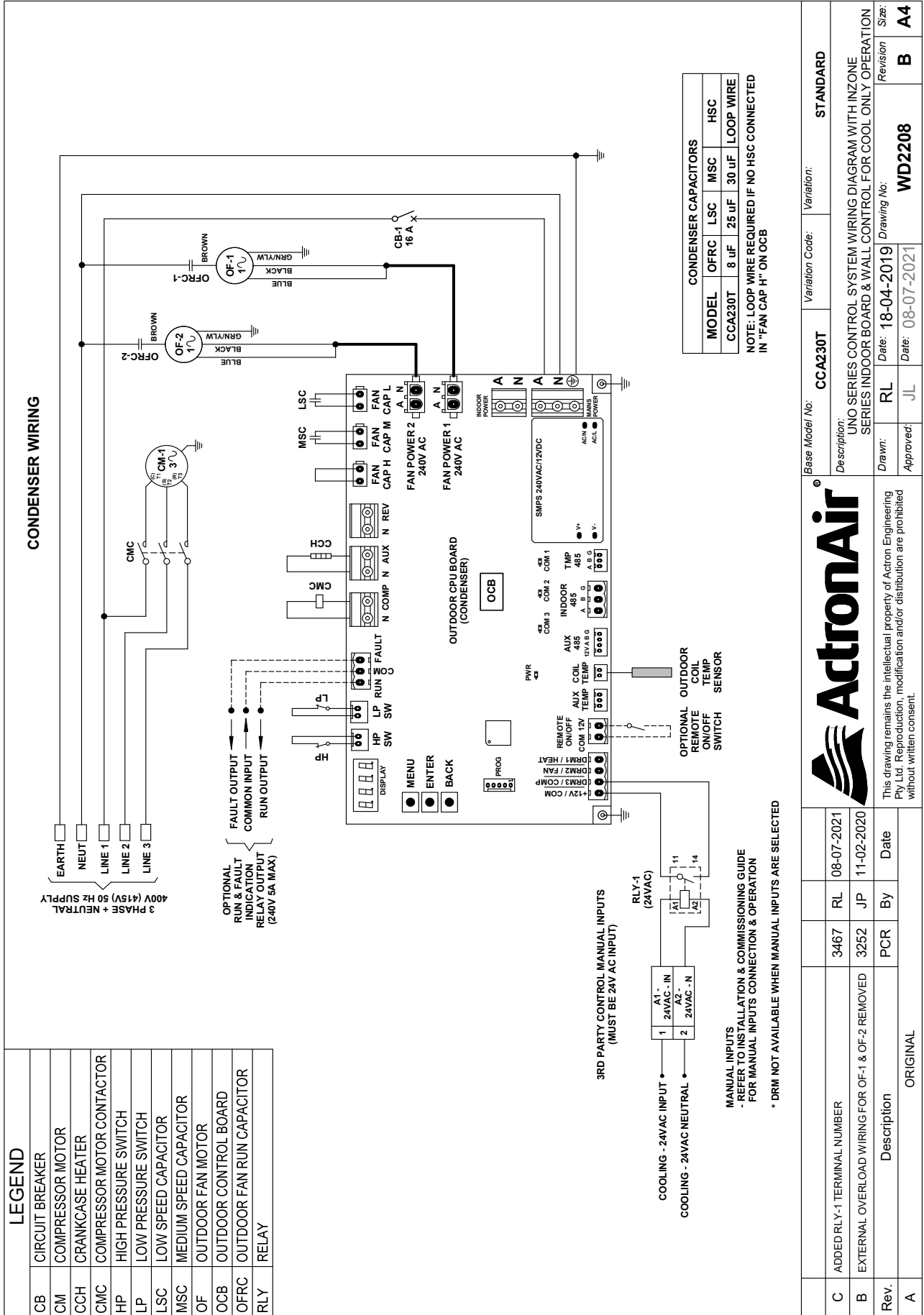
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Rev.	3467	By	Date
A	PCR		
ORIGINAL			



FIELD WIRING DIAGRAM

ACTRONAIR ADD-ON AIR CONDITIONING



	ActronAir	Base Model No: CCA230T	Variation Code: STANDARD	
C	ADDED RLY-1 TERMINAL NUMBER	3467	RL	08-07-2021
B	EXTERNAL OVERLOAD WIRING FOR OF-1 & OF-2 REMOVED	3252	JP	11-02-2020
Rev.	Description	PCR	By	Date
A	ORIGINAL			
Description: UNO SERIES CONTROL SYSTEM WIRING DIAGRAM WITH INZONE SERIES INDOOR BOARD & WALL CONTROL FOR COOL ONLY OPERATION		Drawn: RL	Date: 18-04-2019	Drawing No: WD2208
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		Size: A4		