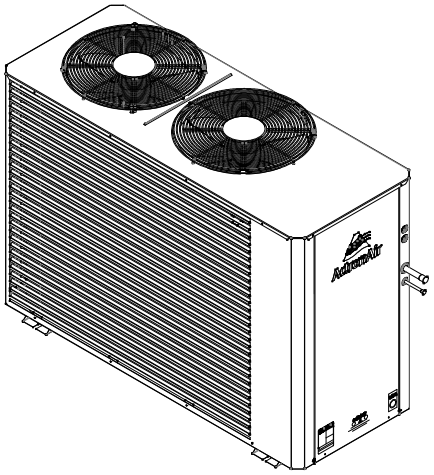
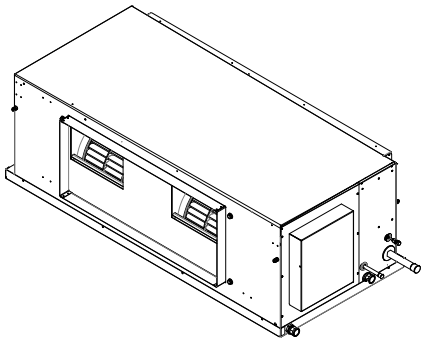
TECHNICAL SELECTION DATA | CRA130T / EVA130S

SPLIT DUCTED UNIT





UNIT FEATURES

- Compliant Scroll Compressor
- EMC High Efficiency Indoor Fan Motor
- Three Speed Outdoor Fan
- Adaptive Demand Defrost
- 20 m Cat5E Cable included
- Low Ambient Cooling Operation to +5 degree
- Fault and Run Indication - Relay Output
- Up to 3 Wall Controllers and 3 Remote Temperature Sensors
- Ready for up to 8 zones
- Hydrophilic Blue Fin Coil Coat Protection - Indoor & Outdoor Coils
- Integral Fan Coil Safety Tray with Drain Kit
- Pre-charged with R-410A Refrigerant
- Powder Coated Outdoor Unit With Louvred Coil Guard

CONTROL OPTIONS AND FEATURES

ActronAir LR7-1/LC7-2

- Available in White or Grey
- 7-day Programmable Controller with 2 Events per Day
- 24-hour ON/OFF Timer
- Temperature Setback
- After Hours Time (LC7 Only)
- Auto, Heat & Cool Modes
- Auto/Continuous Indoor Fan Operation
- Optional 2nd and 3rd Controllers with Mimic Logic
- On-Board Temperature Sensor

ActronAir Neo

- 7” Colour Touch Screen Master Controller
- In-built Wi-Fi and Blue-Tooth
- Neo Connect App
- On-Board Temperature, Humidity and Proximity Sensor
- Optional wireless Zone Sensor
- Available in White or Black

ActronAir Group Control

ActronAir BMS ICUNO-MOD (Modbus 485)

3RD PARTY CONTROL OPTIONS

- Manual Inputs (Heat, Cool and Fan Operation)
- Analogue Input (Fan Only)

PLENUMS (Optional)

- Supply Air Plenums are Available

UNIT OPTIONS

- Three Phase Soft Starter
- Additional Full Coil Coat Protection
- Outdoor Drain Tray
- Horizontal Discharge Condenser
- Vertical Evaporator

SPECIFICATION SUMMARY

OUTDOOR UNIT MODEL	CRA130T	
INDOOR UNIT MODEL	EVA130S	
	(1) TOTAL	(2) NETT
(3) COOLING CAPACITY (kW)	13.00	12.40
(3) SENSIBLE CAPACITY (kW)	12.21	11.61
(4) HEATING CAPACITY (kW)	11.85	12.30
(5) COOLING INPUT POWER (kW)	3.68	
(5) HEATING INPUT POWER (kW)	3.24	
EER	3.53	3.37
COP	3.66	3.80
(6) INDOOR AIRFLOW (l/s) - MIN. / NOMINAL / MAX.	590 / 650 / 750	
(7) OUTDOOR SOUND PRESS. LEVEL @ 3M dB(A) - LOW / MEDIUM / HIGH	45.3 / 48.5 / 52.0	
OUTDOOR SOUND POWER LEVEL dB(A) - LOW / MEDIUM / HIGH	66.3 / 68.4 / 71.5	
POWER SUPPLY - OUTDOOR	400V / 3Ph+N / 50 Hz	
POWER SUPPLY - INDOOR	230V / 1Ph+N / 50 Hz	
(2) RATED LOAD AMPS - OUTDOOR / INDOOR / TOTAL	6.3 / 4.2 / 10.5	
(8) FULL LOAD AMPS - OUTDOOR / INDOOR / TOTAL	8.3 / 4.3 / 12.6	
(9) CIRCUIT BREAKER AND CABLE AMPS	16.0	
APPROXIMATE STARTING AMPS	43.0	
WEIGHT (kg) - INDOOR / OUTDOOR	49 / 130	

(1) Total Capacities are 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) Sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions.
(8) Full Load Amps are based on compressor and fan motors' maximum expected current.
(9) 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

CRA130T / EVA130S

13.00 kW | 1 Stage | 3 Phase

COOLING PERFORMANCE

AIR ENTERING OUTDOOR DB - °C	AIR ENTERING INDOOR WB - °C	TOTAL CAPACITY kW	TOTAL SENSIBLE CAPACITY - kW AT DB TEMPERATURE ONTO INDOOR COIL - °C 20	21	22	23	24	25	26	27	28	29	30
25	16	13.59	9.37	10.25	11.11	11.97	12.81						
	17	13.59	8.51	9.35	10.23	11.10	11.97	12.80					
	18	13.87	7.59	8.48	9.33	10.22	11.09	11.94	12.81	13.60			
	19	14.21	6.65	7.57	8.48	9.31	10.19	11.06	11.93	12.79	13.60		
	20	14.53	5.69	6.62	7.54	8.45	9.29	10.16	11.03	11.91	12.77	13.59	14.37
	21	14.94		5.66	6.58	7.51	8.41	9.24	10.14	11.00	11.86	12.74	13.57
	22	15.31			5.64	6.55	7.48	8.39	9.28	10.10	10.97	11.84	12.70
30	16	13.13	9.11	9.98	10.85	11.70							
	17	13.10	8.25	9.10	9.98	10.85	11.69	12.52					
	18	13.34	7.34	8.24	9.07	9.96	10.82	11.68	12.52				
	19	13.61	6.41	7.33	8.23	9.06	9.94	10.81	11.67	12.51	13.32		
	20	13.95	5.46	6.39	7.31	8.20	9.04	9.92	10.79	11.65	12.50	13.33	
	21	14.34		5.43	6.35	7.27	8.18	9.02	9.88	10.76	11.64	12.47	13.30
	22	14.70			5.40	6.32	7.24	8.14	8.98	9.85	10.73	11.60	12.44
35	16	12.62	8.83	9.70	10.57	11.40							
	17	12.62	7.98	8.82	9.69	10.55	11.40						
	18	12.78	7.08	7.96	8.80	9.68	10.54	11.39	12.22				
	19	**13.00**	6.14	7.06	7.96	8.79	9.67	10.54	11.39	**12.21**	13.01	11.76	
	20	13.34	5.20	6.12	7.03	7.94	8.77	9.64	10.51	11.36	12.20	13.02	
	21	13.67		5.18	6.10	7.02	7.90	8.75	9.61	10.48	11.33	12.18	13.01
	22	14.00			5.15	6.07	6.97	7.89	8.71	9.58	10.44	11.31	12.17
40	16	12.01	8.50	9.39	10.23	11.04							
	17	12.02	7.62	8.50	9.37	10.22	11.06						
	18	12.10	6.77	7.66	8.48	9.37	10.22	11.04	11.85				
	19	12.29	5.83	6.75	7.71	8.47	9.34	10.22	11.04	11.87			
	20	12.58	4.90	5.83	6.74	7.62	8.45	9.32	10.18	11.03	11.85		
	21	12.89		4.88	5.80	6.71	7.60	8.43	9.29	10.16	11.02	11.83	12.65
	22	13.20			4.86	5.78	6.68	7.58	8.41	9.26	10.13	10.98	11.83
45	16	11.35	8.15	9.03	9.86								
	17	11.36	7.28	8.15	9.01	9.86	10.66						
	18	11.36	6.44	7.28	8.14	9.00	9.86	10.67					
	19	11.53	5.52	6.41	7.26	8.13	9.00	9.85	10.68				
	20	11.78	4.59	5.50	6.41	7.29	8.12	8.97	9.83	10.67	11.47		
	21	12.07		4.57	5.48	6.38	7.28	8.09	8.95	9.80	10.67	11.48	
	22	12.40			4.54	5.45	6.37	7.25	8.07	8.94	9.78	10.63	11.45
50	16	10.62	7.77	8.65	9.44								
	17	10.63	6.91	7.77	8.64	9.46							
	18	10.63	6.08	6.91	7.76	8.63	9.47						
	19	10.71	5.17	6.06	6.90	7.76	8.61	9.46	10.26				
	20	10.92	4.25	5.15	6.05	6.89	7.75	8.59	9.44	10.27			
	21	11.18		4.22	5.14	6.04	6.91	7.73	8.57	9.43	10.27	11.05	
	22	11.46			4.20	5.11	6.02	6.89	7.71	8.56	9.41	10.24	11.05

HEATING PERFORMANCE

WB TEMP ON OD COIL- °C	HEATING CAPACITY - kW AT DB ENTERING INDOOR - °C 16 TH	16 IH	18 TH	18 IH	20 TH	20 IH	22 TH	22 IH	24 TH	24 IH
-10	7.43	6.99	7.40	6.95	7.37	6.92	7.32	6.88	7.29	6.85
-8	7.94	7.38	7.89	7.34	7.85	7.30	7.81	7.26	7.76	7.22
-6	8.45	7.77	8.40	7.73	8.35	7.69	8.33	7.67	8.29	7.63
-4	9.00	8.05	8.93	8.00	8.91	7.98	8.86	7.93	8.80	7.88
-2	9.60	8.35	9.53	8.30	9.47	8.24	9.41	8.18	9.35	8.14
0	10.18	8.75	10.10	8.69	10.06	8.65	9.99	8.59	9.92	8.53
2	10.76	9.57	10.67	9.50	10.59	9.42	10.51	9.36	10.44	9.29
4	11.39	10.82	11.27	10.71	11.21	10.65	11.13	10.58	11.05	10.50
6	12.06	12.06	11.95	11.95	**11.85**	**11.85**	11.76	11.76	11.68	11.68
8	12.74	12.74	12.63	12.63	12.52	12.52	12.42	12.42	12.33	12.33
10	13.45	13.45	13.33	13.33	13.22	13.22	13.11	13.11	13.00	13.00
12	14.19	14.19	14.06	14.06	13.94	13.94	13.81	13.81	13.69	13.69
14	14.95	14.95	14.82	14.82	14.68	14.68	14.54	14.54	14.41	14.41
16	15.75	15.75	15.59	15.59	15.44	15.44	15.29	15.29	15.14	15.14
18	16.56	16.56	16.39	16.39	16.22	16.22	16.05	16.05	15.89	15.89

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

AIRFLOW CORRECTION MULTIPLIER

% VARIATION	-9.23%	-5%	**NOMINAL**	5%	10%	15.38%
INDOOR AIRFLOW (l/s)	590.0	617.5	**650.0**	682.5	715.0	750.0
TOTAL COOLING	0.984	0.992	**1.000**	1.008	1.015	1.022
SENSIBLE COOLING	0.944	0.969	**1.000**	1.029	1.058	1.089
HEATING FACTOR	0.996	0.998	**1.000**	1.001	1.002	1.004

NOTES:
1. No allowance has been made for the effect of indoor fan motor.
2. 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**	0.995	0.986	0.978	0.968	0.957	0.949
HEATING	**1.000**	1.000	1.000	1.000	1.000	1.000	1.000

Correction multipliers are based on horizontal pipe runs.

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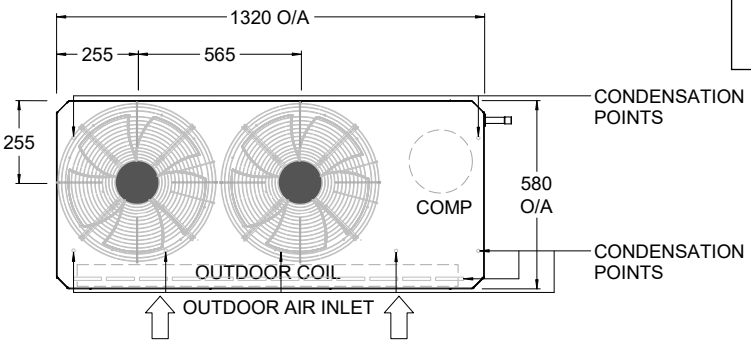
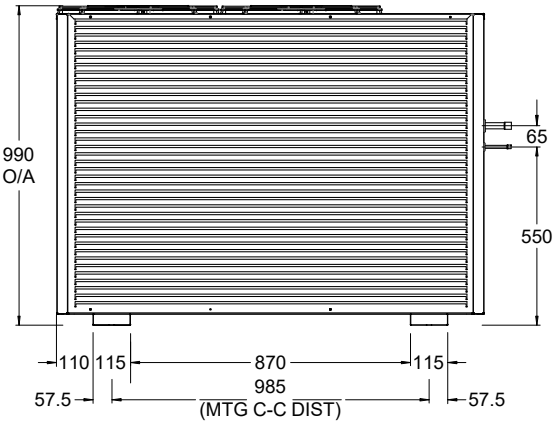
OUTDOOR UNIT
CRA130T

OVERALL NOMINAL DIMENSION (H x W x L)
= 990 x 1320 x 580

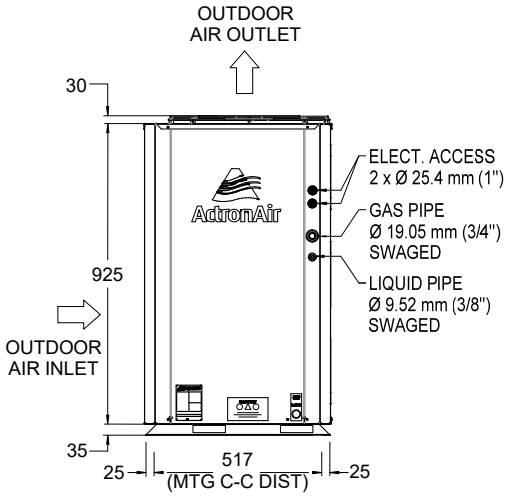
PLEASE NOTE THAT UNDER ALL CIRCUMSTANCES, CONDENSER AIR MUST NOT RECIRCULATE BACK ONTO CONDENSER COIL. KEEP ALL CLEARANCES FREE OF ANY OBSTRUCTIONS



TOP VIEW



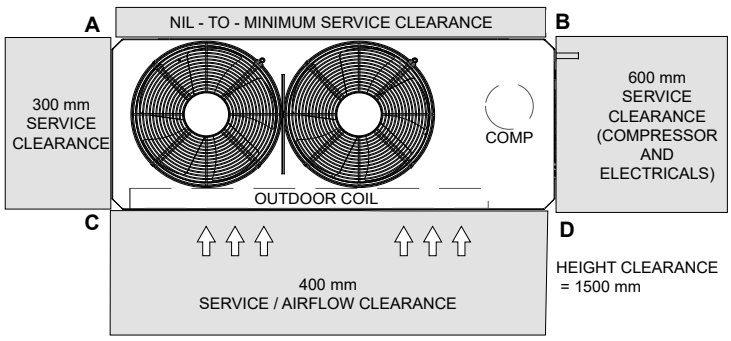
FRONT VIEW



SIDE VIEW

UNIT MODEL NUMBER	UNIT WEIGHT (kg)	CORNER WEIGHT (kg)			
		A	B	C	D
CRA130T	130	21	40	19	50

MINIMUM SERVICE ACCESS AREAS AND AIRFLOW CLEARANCES



THIRD ANGLE PROJECTION

NOTES:

1. Do not scale drawing. All dimensions are in mm unless specified. Refer to corresponding unit dimensional drawing for mounting hole details.
2. 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 1000mm 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.
4. Under all circumstances, condenser air must not recirculate back onto condenser coil. Keep all clearance free of any obstructions.
5. STACKING OF UNITS: Ensure that minimum airflow and clearances are met.
6. Refer to pipe Connection Details on Specifications Sheet.
7. MTG C-C DIST = Mounting Centre to Centre Distance.
8. Use M12 bolt for feet mounting.

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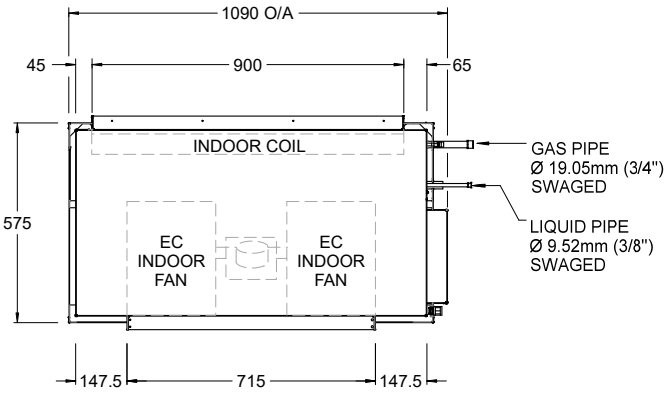
DIMENSIONS AND FAN CURVE

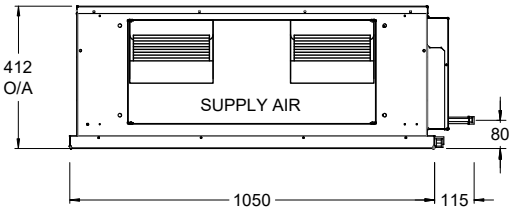
EVA130S

13.00 kW | 3 Phase | 1 Stage

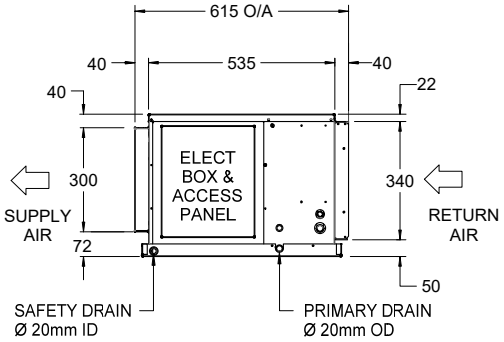
INDOOR UNIT EVA130S



TOP VIEW



FRONT VIEW

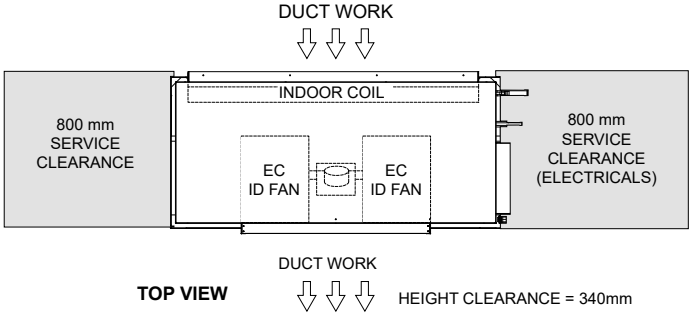


SIDE VIEW

OVERALL NOMINAL DIMENSION (H x W x L)
= 412 x 1090 x 615
SUPPLY DUCT (H x W) = 300 x 715
RETURN DUCT = 340 x 900
DRAIN CONNECTION = 20 mm OD

UNIT MODEL NUMBER	UNIT WEIGHT (kg)
EVA130S	49

MINIMUM SERVICE ACCESS AREAS AND AIRFLOW CLEARANCES



TOP VIEW

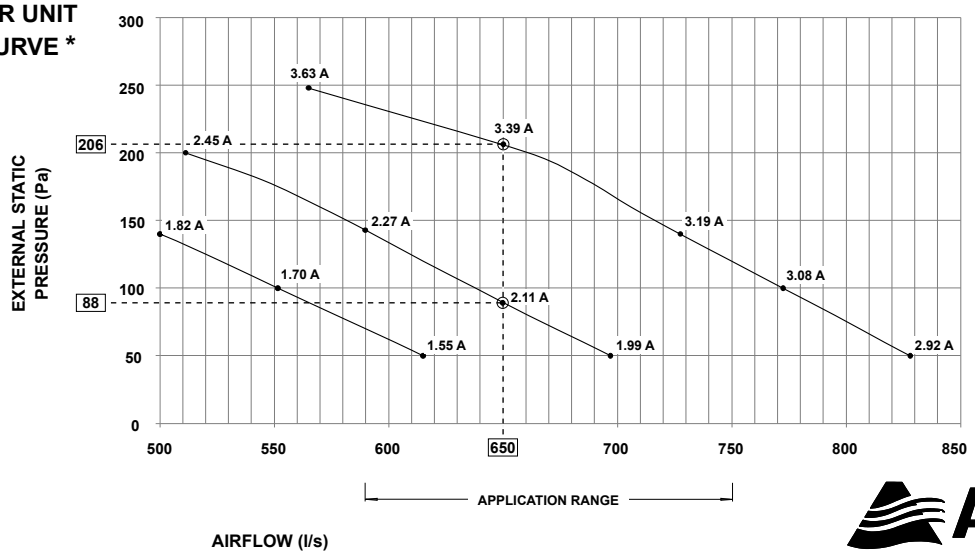
HEIGHT CLEARANCE = 340mm

THIRD ANGLE PROJECTION

NOTES:

1. Do not scale drawing. All dimensions are in mm unless specified.
2. Service 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 1000mm between the units or between the unit and the outside perimeter is available.
3. 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.

INDOOR UNIT FAN CURVE *



* Performance Fan Curve shown is at Dry Coil Condition for FD 9x7AM - 1/2Hp EC Fan.

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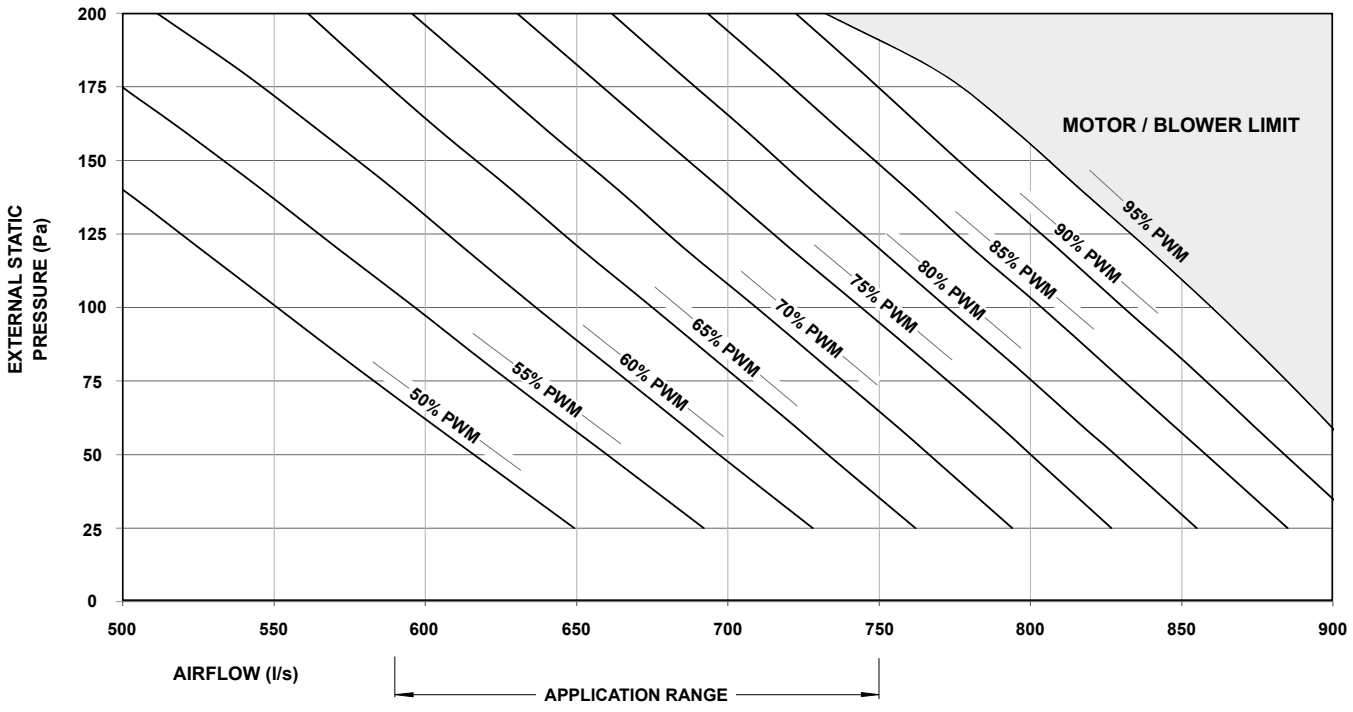
INDOOR UNIT - WITH 3RD PARTY CONTROL

AIRFLOW (l/s)	EXTERNAL STATIC PRESSURE (Pa)													
	50		75		100		125		150		175		200	
	% PWM	W	% PWM	W	% PWM	W	% PWM	W	% PWM	W	% PWM	W	% PWM	W
520	MOTOR / BLOWER LIMIT						50	233	53	265	56	299	61	337
525							51	231	54	267	57	302	62	344
550					50	222	53	254	57	288	61	324	64	358
575					53	239	56	272	60	306	63	342	68	380
600			52	225	56	258	59	294	63	330	67	365	71	404
625	51	207	55	242	59	278	62	314	66	351	70	388	74	421
650	54	227	58	262	62	300	66	335	70	375	74	423	79	454
675	57	244	61	282	65	321	69	360	73	400	78	442	83	491
700	60	267	65	305	69	343	73	385	77	428	82	472	87	522
725	64	290	68	328	72	370	77	415	81	454	86	500	92	563
750	68	316	72	354	76	398	81	443	85	488	90	534	MOTOR / BLOWER LIMIT	
775	71	337	75	382	81	429	85	476	90	525	94	572		
780	72	346	77	390	82	438	86	483	91	532	95	576		

NOTES:
W = Indoor Fan Power, Watts
PWM = Pulse Width Modulation Setting, % PWM
Default PWM Setting = 60% PWM (Medium Speed) at 100 Pa



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13.00 kW | 1 Stage | 3 Phase

Outdoor Radiated

Sound Power Level (SWL)

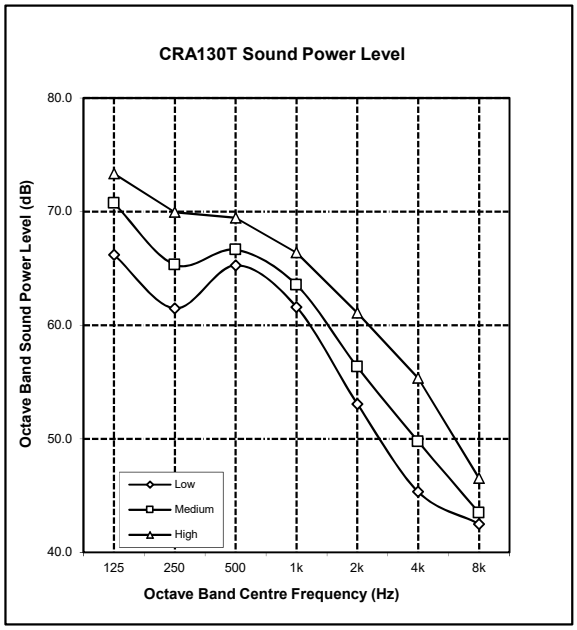
Fan Speed	Sound Power Level dB(A)	Octave Band Centre Frequency (Hz), dB						
		125	250	500	1k	2k	4k	8k
Low	66.3	66.2	61.5	65.3	61.6	53.1	45.3	42.5
Medium	68.4	70.7	65.3	66.6	63.5	56.3	49.8	43.5
High	71.5	73.3	69.9	69.5	66.4	61.1	55.3	46.5

Indoor Outlet

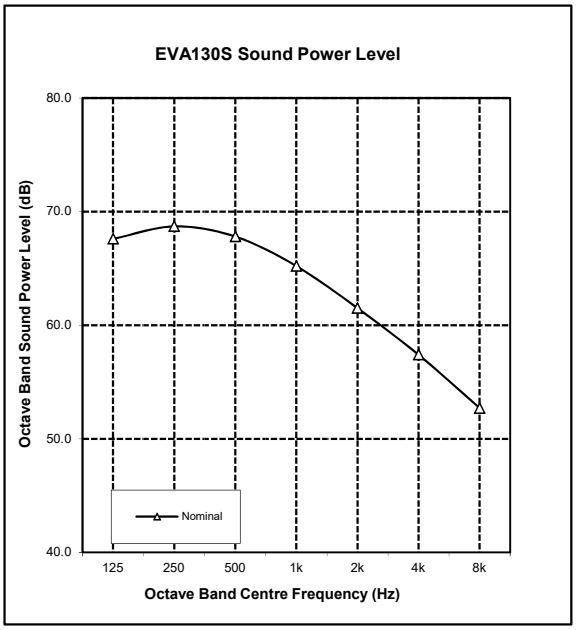
Sound Power Level (SWL)

Airflow Setting	Airflow l/s	Sound Power Level dB(A)	Octave Band Centre Frequency (Hz), dB						
			125	250	500	1k	2k	4k	8k
Nominal	650	70.0	67.6	68.7	67.8	65.2	61.5	57.4	52.7

OUTDOOR RADIATED



INDOOR OUTLET



NOTES:
Radiated sound power levels are based on ISO 3743-1.

SPECIFICATIONS

CRA130T / EVA130S

CONSTRUCTION

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

INSULATION (Indoor Unit)

TYPE	Foil Faced Polyethylene
	Expanded Polystyrene

ELECTRICAL

OUTDOOR UNIT	
Power Supply - 50 Hz	400 Volts x 3 Phase + N
Voltage Range (min - max)	380 V - 440 V
Full Load Amps*	8.3
Rated Load Amps**	6.3
Approximate Starting Amps	43.0
IP Rating	IP44
INDOOR UNIT	
Power Supply - 50 Hz	230 Volts x 1 Phase + N
Voltage Range (min - max)	216 V - 253 V
Full Load Amps*	4.3
Rated Load Amps**	4.2
IP Rating	IP20
OUTDOOR & INDOOR UNIT (TOTAL)	
Full Load Amps* - Phase 1	12.6
Full Load Amps* - Phase 2 & 3	7.0
Rated Load Amps**	10.5

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 the accordance with the latest edition of the AS/NZS 3000 "Australian/New Zealand Wiring Rules" for more details.

Cable Size (main line)	2.5 mm^2 (SUGGESTED MINIMUM)
Cable Size (indoor to outdoor wire)	1.0 mm^2 (SUGGESTED MINIMUM)
Circuit Breaker (RCBO if applicable)	16.0 Amps

OUTDOOR COIL

TUBE TYPE	Copper - Rifle Bore
FIN TYPE	Aluminium - Wave
FACE AREA (m sqr)	1.1
FIN SPACING (per m)	709
COIL COATING	Hydrophilic Blue Fin Coil Coat Protection

OUTDOOR FAN

NUMBER OF FANS x TYPE	2 x Axial
NUMBER OF BLADES PER FAN	5
DIAMETER (mm)	450
OUTPUT kW (each)	0.145
MOTOR TYPE / DRIVE TYPE	6 Pole External Rotor / Direct
FAN SPEED CONTROL	3 Speed via Capacitor

The standard type outdoor fans fitted to this unit will accept up to 5 Pa of external static resistance.

INDOOR COIL

TUBE TYPE	Copper - Rifle Bore
FIN TYPE	Aluminium - Louvre
FACE ARE (m sqr)	0.34
FIN SPACING (per m)	472
COIL COATING	Hydrophilic Blue Fin Coil Coat Protection

INDOOR FAN

NUMBER OF FANS x TYPE	1 x Twin Deck Centrifugal EC Fan
DIAMETER / WIDTH (mm)	240 x 180
OUTPUT (kW)	0.373
MOTOR TYPE / DRIVE TYPE	Variable Speed EC Motor / Direct

COMPRESSOR

NUMBER PER UNIT x TYPE	1 x Scroll (Hermetic)
FULL LOAD AMPS	7.0
LOCKED ROTOR AMPS	43.0
STARTING METHOD	D.O.L. (optional soft starter)

REFRIGERATION SYSTEM

REFRIGERANT TYPE	R-410A
EXPANSION CONTROL	Direct Expansion Orifice
FACTORY CHARGE (grams)	5250
PRE-CHARGE LENGTH (metres)	15
ADDITIONAL REF. CHARGE (gm/m)	50

FILTER DRIER

CONNECTION SIZE & TYPE	9.52 mm (3/8") ODF Soldered Bi-Flow
FACTORY SUPPLIED / FITTED	No

INTERCONNECTING PIPE RUN

MAX. PIPE LENGTH (metres)		60
MAX. VERTICAL LENGTH (metres)		20 (Included in Max. Pipe Length)
FIELD PIPE SIZES		
Liquid Pipe		9.52 mm (3/8")
Gas Pipe		19.05 mm (3/4")
PIPE CONNECTIONS		
Indoor	Liquid Pipe	9.52 mm (3/8") Swaged to fit 9.52 mm (3/8") field pipe
	Gas Pipe	19.05 mm (3/4") Swaged to fit 19.05 mm (3/4") field pipe
Outdoor	Liquid Pipe	9.52 mm (3/8") Swaged to fit 9.52 mm (3/8") field pipe
	Gas Pipe	19.05 mm (3/4") Swaged to fit 19.05 mm (3/4") field pipe
CONNECTION TYPE		Solder

Insulate both gas and liquid pipes separately.

PROTECTION DEVICES

HIGH PRESSURE CUTOUT SWITCH	Nonadjustable (Automatic Reset)
LOW PRESSURE CUTOUT 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 8 m 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
WALL CONTROLLER / SENSOR FIELD WIRING	Cat5e UTP (AWG 24) Data 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.	30°C DB / 22°C WB	50°C DB
	Min.	20°C DB / 16°C WB	5°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.

UNIT COMPLIANCE

- AS/NZS 3823.2 (MEPS)
- AS/NZS 4755.3.1 (DRM1, 2 and 3)
- AS/NZS CISPR 14.1 (EMC)
- AS/NZS 60335.2.40 (Safety)

ActronAir

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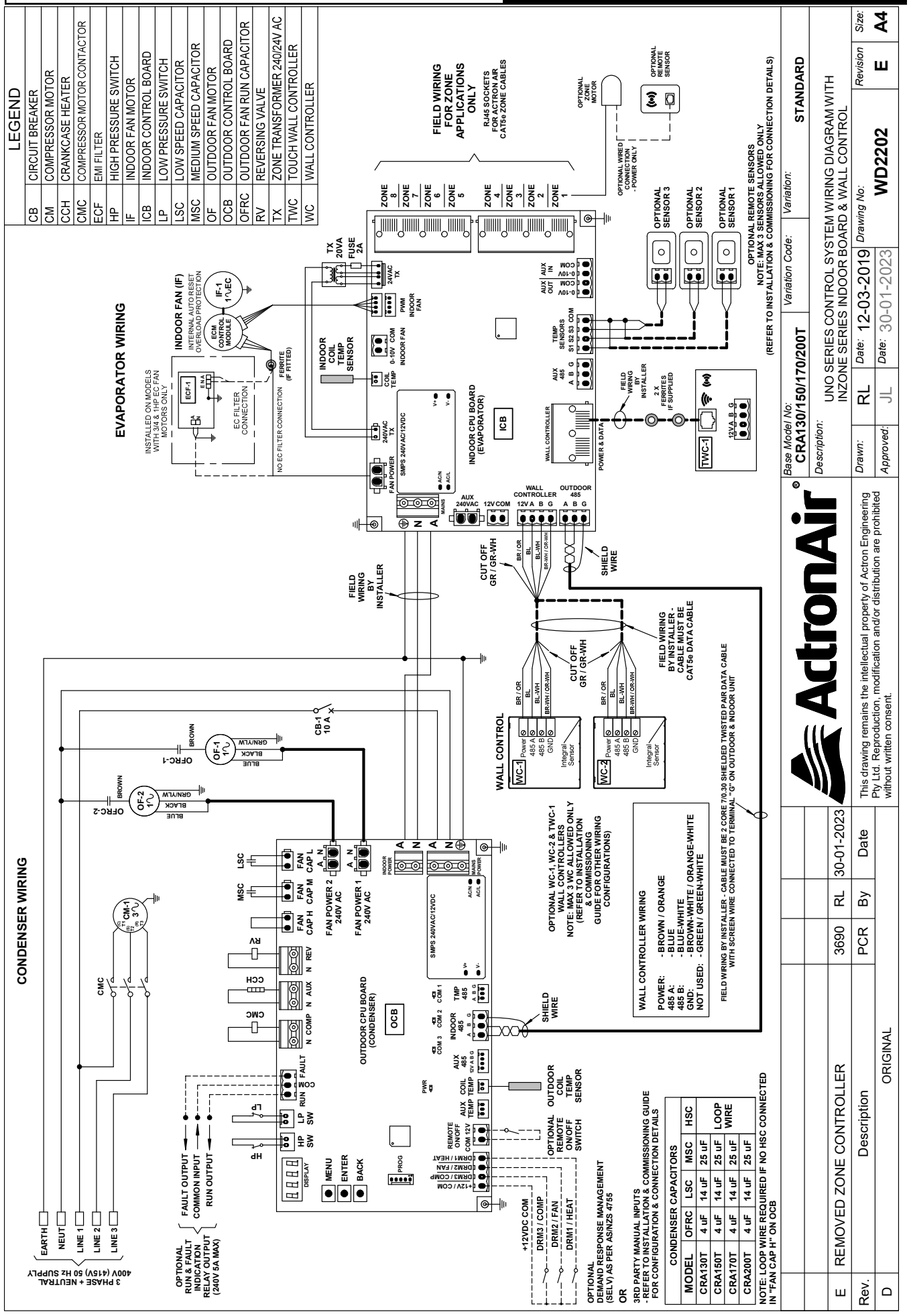
WIRING DIAGRAM

CRA130T / EVA130S

13.00 kW

3 Phase | 1 Stage



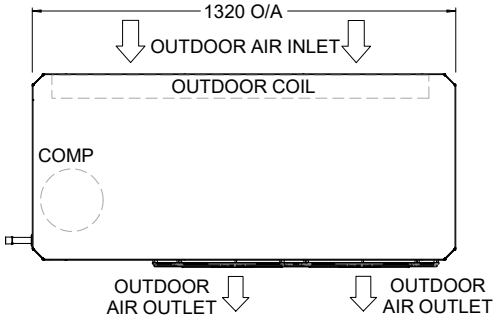
H OUTDOOR UNIT - HORIZONTAL DISCHARGE FANS

OVERALL NOMINAL DIMENSION (H x W x L)
= 960 x 1320 x 610
USE M12 BOLT FOR FEET MOUNTING

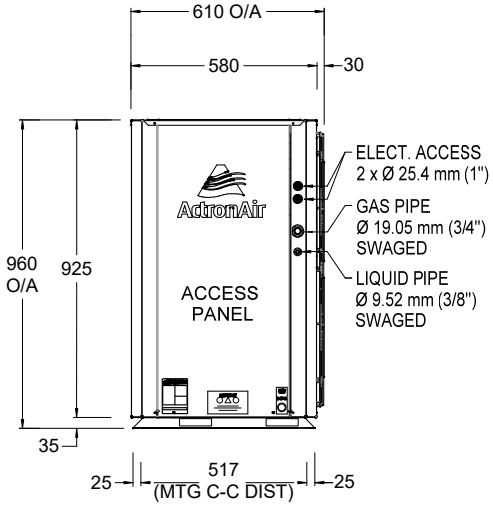
NOTES:

THIRD ANGLE PROJECTION

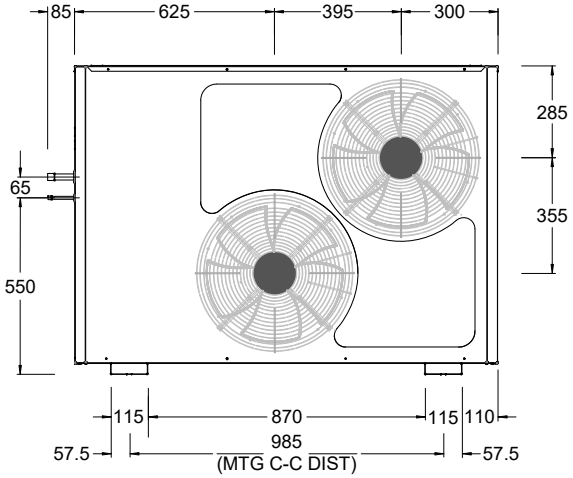
1. All dimensions are in mm unless specified.
2. Do not scale drawing.
3. Additional Full Coil Coat Protection option available on all units.
4. Suggested Service Clearance and Airflow Allowances are based on conditions that the spaces are free from obstructions and walkway passage of 1000 mm is available.
5. Minimum service access areas are responsibilities of the installer.
6. Maximum External Static of Outdoor Fans is 5 Pa.
7. Multiple drainage is as illustrated on the standard outdoor model.



TOP VIEW

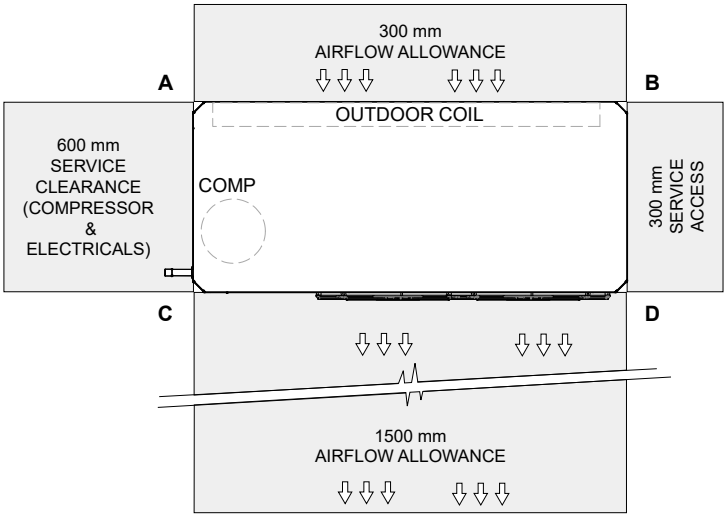


SIDE VIEW



FRONT VIEW

MINIMUM SERVICE ACCESS CLEARANCES & AIRFLOW SPACE ALLOWANCES



HEIGHT CLEARANCE = 600

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. **A** & **B**)	SIDE BY SIDE (DISTANCE BET. **A** & **C**)
600 mm	1500 mm

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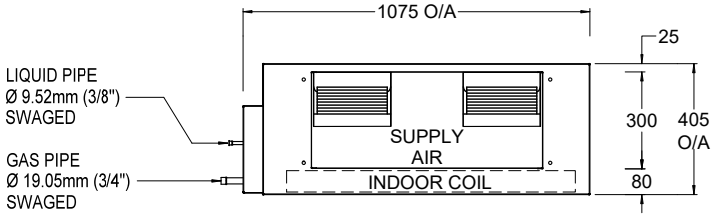
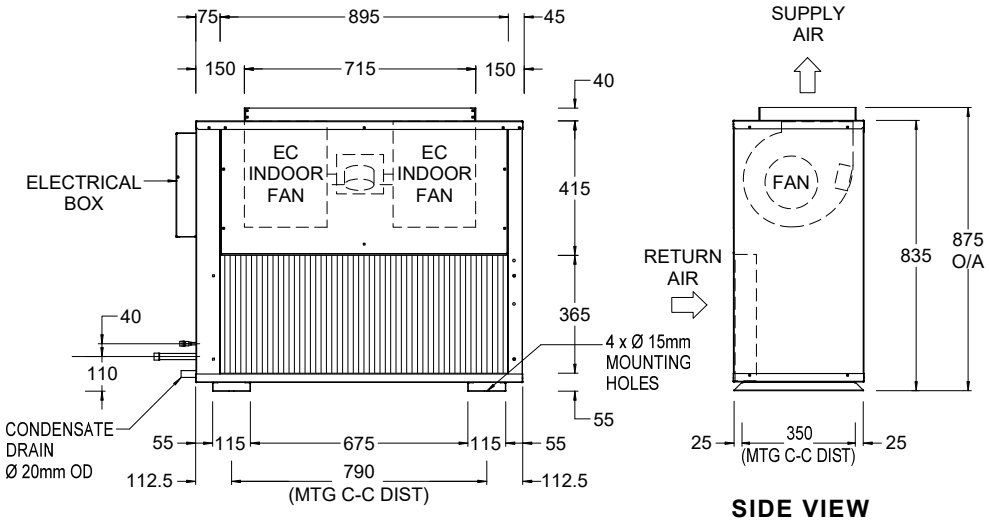
13.00 kW | 1 Stage | 3 Phase

V INDOOR UNIT - UPRIGHT FAN COIL WITH VERTICAL DISCHARGE

OVERALL NOMINAL DIMENSION (H x W x L)
= 875 x 1075 x 405
SUPPLY DUCT (H x W) = 300 x 715
RETURN DUCT (H xW) = 365 x 895
DRAIN CONNECTION = 20 mm OD



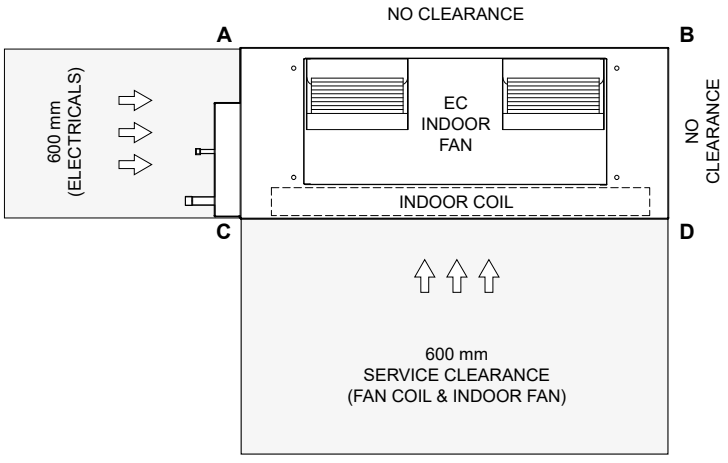
TOP VIEW



FRONT VIEW

SIDE VIEW

MINIMUM SERVICE ACCESS CLEARANCES & AIRFLOW SPACE ALLOWANCES



HEIGHT CLEARANCE = DUCT WORK

TOP VIEW

NOTES:

THIRD ANGLE PROJECTION

1. All dimensions are in mm unless specified.
2. Do not scale drawing.
3. Refer Fan Curve to corresponding standard EVA130S 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 1000 mm is available.
6. Minimum service access areas are responsibilities of the installer.

STACKING OF UNITS	
ONE IN FRONT OF THE OTHER (DISTANCE BET. **A** & **B**)	SIDE BY SIDE (DISTANCE BET. **A** & **C**)
600 mm	1000 mm

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