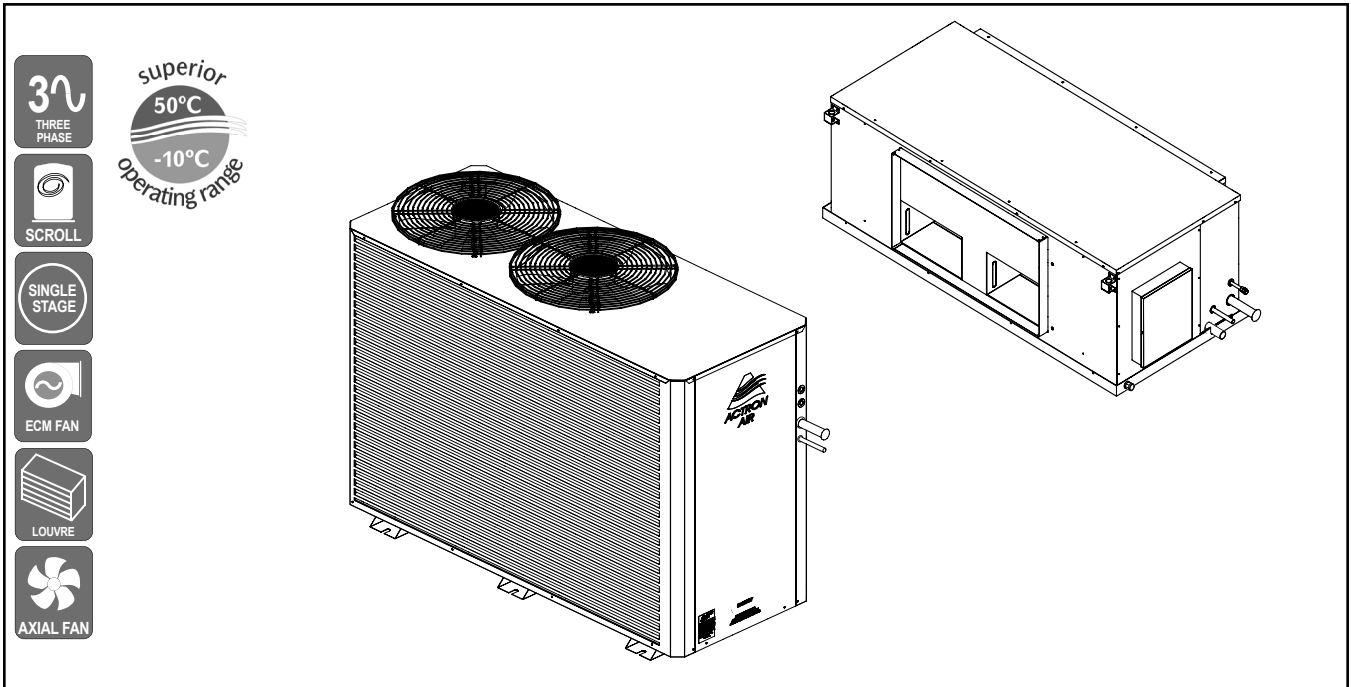


SPLIT DUCTED UNIT



3 Phase
1 Stage
22.95 kW

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	CRA230T	
INDOOR UNIT MODEL	EVA230S	
	⁽¹⁾ TOTAL	⁽²⁾ NETT
⁽³⁾ COOLING CAPACITY (kW)	22.95	22.35
⁽³⁾ SENSIBLE CAPACITY (kW)	18.79	18.19
⁽⁴⁾ HEATING CAPACITY (kW)	22.30	23.00
⁽⁵⁾ COOLING INPUT POWER (kW)	6.59	
⁽⁵⁾ HEATING INPUT POWER (kW)	6.15	
EER	3.48	3.39
COP	3.63	3.74
⁽⁶⁾ INDOOR AIRFLOW (l/s) - MIN. / NOMINAL / MAX.	1020 / 1200 / 1380	
⁽⁷⁾ OUTDOOR SOUND PRESS. LEVEL @ 3M dB(A) - LOW / MEDIUM / HIGH	44.4 / 48.3 / 58.4	
OUTDOOR SOUND POWER LEVEL dB(A) - LOW / MEDIUM / HIGH	65.6 / 68.9 / 78.5	
POWER SUPPLY - OUTDOOR	400V / 3Ph+N / 50 Hz	
POWER SUPPLY - INDOOR	230V / 1 Ph+N / 50 Hz	
⁽⁸⁾ RATED LOAD AMPS - OUTDOOR / INDOOR / TOTAL	12.0 / 4.8 / 16.8	
⁽⁸⁾ FULL LOAD AMPS - OUTDOOR / INDOOR / TOTAL	15.9 / 6.4 / 22.3	
⁽⁹⁾ CIRCUIT BREAKER AND CABLE AMPS	25.0	
APPROXIMATE STARTING AMPS	74.0	
WEIGHT (kg) - INDOOR / OUTDOOR	78 / 195	

(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.



CAPACITY SELECTION DATA

CRA230T / EVA230S

COOLING PERFORMANCE

AIR ENTERING		TOTAL CAPACITY kW	TOTAL SENSIBLE CAPACITY - kW												
OUTDOOR DB - °C	INDOOR WB - °C		AT DB TEMPERATURE ONTO INDOOR COIL - °C												
			20	21	22	23	24	25	26	27	28	29	30		
25	16	24.02	14.35	15.72	17.08	18.42	19.74	20.83							
	17	24.02	12.99	14.32	15.70	17.06	18.42	19.73	20.91						
	18	24.51	11.55	12.96	14.29	15.68	17.04	18.37	19.74	20.98	22.10				
	19	25.13	10.08	11.52	12.95	14.25	15.63	17.00	18.36	19.71	20.97	22.16	23.19		
	20	25.70	8.57	10.03	11.47	12.91	14.22	15.59	16.95	18.32	19.67	20.97	22.19		
	21	26.44		8.54	9.97	11.44	12.84	14.15	15.56	16.91	18.25	19.63	20.93		
22	27.12			8.51	9.92	11.38	12.80	14.21	15.49	16.85	18.22	19.57			
30	16	23.18	13.95	15.31	16.67	18.00	19.25	20.22							
	17	23.13	12.60	13.92	15.31	16.66	17.99	19.28	20.45						
	18	23.57	11.16	12.58	13.88	15.27	16.62	17.97	19.29	20.53	21.49				
	19	24.06	9.70	11.14	12.55	13.87	15.24	16.61	17.95	19.27	20.54	21.68			
	20	24.65	8.22	9.67	11.11	12.52	13.83	15.21	16.57	17.91	19.25	20.55	21.74		
	21	25.37		8.16	9.61	11.06	12.48	13.80	15.15	16.53	17.90	19.21	20.51		
22	26.01			8.12	9.56	11.00	12.42	13.73	15.10	16.48	17.84	19.16			
35	16	22.27	13.50	14.87	16.23	17.53	18.72								
	17	22.27	12.16	13.49	14.86	16.20	17.53	18.78	19.87						
	18	22.56	10.75	12.14	13.46	14.83	16.18	17.51	18.81	20.02					
	19	22.95	9.28	10.72	12.14	13.43	14.81	16.18	17.51	18.79	20.05	18.09			
	20	23.57	7.81	9.25	10.68	12.10	13.40	14.77	16.13	17.47	18.78	20.07	21.23		
	21	24.16		7.78	9.22	10.66	12.05	13.38	14.72	16.09	17.42	18.76	20.05		
22	24.76			7.74	9.17	10.59	12.02	13.31	14.67	16.03	17.39	18.73			
40	16	21.16	12.99	14.37	15.69	16.96	18.02								
	17	21.18	11.61	12.98	14.35	15.68	17.00	18.17							
	18	21.33	10.27	11.67	12.95	14.34	15.68	16.97	18.23	19.27					
	19	21.68	8.80	10.24	11.75	12.93	14.30	15.67	16.97	18.26	19.42				
	20	22.19	7.34	8.80	10.22	11.61	12.91	14.27	15.62	16.95	18.24	19.47	20.49		
	21	22.74		7.31	8.75	10.18	11.58	12.88	14.22	15.59	16.93	18.20	19.49		
22	23.32			7.27	8.71	10.13	11.54	12.84	14.17	15.54	16.87	18.20			
45	16	19.97	12.43	13.82	15.11	16.33									
	17	19.99	11.08	12.43	13.79	15.12	16.38	17.41							
	18	19.99	9.75	11.07	12.42	13.77	15.12	16.38	17.57						
	19	20.30	8.32	9.71	11.03	12.41	13.76	15.10	16.40	17.63	18.59				
	20	20.75	6.85	8.28	9.70	11.09	12.38	13.71	15.07	16.38	17.64	18.79			
	21	21.27		6.82	8.26	9.66	11.07	12.35	13.69	15.02	16.38	17.65	18.84		
22	21.86			6.78	8.21	9.64	11.02	12.31	13.67	14.99	16.32	17.60			
50	16	18.66	11.84	13.22	14.46	15.50									
	17	18.68	10.49	11.83	13.21	14.49	15.66								
	18	18.68	9.19	10.49	11.83	13.18	14.50	15.73							
	19	18.82	7.76	9.16	10.48	11.83	13.16	14.50	15.75	16.87					
	20	19.19	6.32	7.73	9.14	10.46	11.80	13.13	14.45	15.75	16.95				
	21	19.67		6.28	7.72	9.12	10.49	11.77	13.09	14.45	15.76	16.97	18.06		
22	20.18			6.24	7.67	9.09	10.46	11.74	13.08	14.41	15.71	16.97			

22.95 kW
3 Phase 1 Stage

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	14.32	13.74	14.20	13.63	14.15	13.58	14.05	13.49	13.97	13.41
-8	15.22	14.46	15.09	14.34	15.02	14.27	14.91	14.17	14.82	14.08
-6	16.18	15.21	16.06	15.10	15.94	14.98	15.82	14.87	15.71	14.77
-4	17.17	15.80	17.04	15.67	16.91	15.56	16.78	15.43	16.65	15.32
-2	18.21	16.21	18.06	16.08	17.92	15.95	17.78	15.82	17.63	15.69
0	19.32	17.00	19.16	16.86	19.00	16.72	18.85	16.59	18.69	16.45
2	20.37	18.54	20.21	18.39	20.03	18.23	19.86	18.07	19.68	17.91
4	21.50	21.50	21.33	21.33	21.14	21.14	20.95	20.95	20.76	20.76
6	22.70	22.70	22.51	22.51	22.30	22.30	22.09	22.09	21.94	21.94
8	23.98	23.98	23.76	23.76	23.61	23.61	23.40	23.40	23.17	23.17
10	25.40	25.40	25.17	25.17	24.94	24.94	24.70	24.70	24.46	24.46
12	26.83	26.83	26.57	26.57	26.32	26.32	26.05	26.05	25.79	25.79
14	28.32	28.32	28.04	28.04	27.76	27.76	27.48	27.48	27.20	27.20
16	29.87	29.87	29.57	29.57	29.27	29.27	28.97	28.97	28.66	28.66
18	31.49	31.49	31.16	31.16	30.84	30.84	30.51	30.51	30.19	30.19

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)	1020	1080	1140	1200	1260	1320	1380
TOTAL COOLING	0.972	0.982	0.991	1.00	1.008	1.014	1.021
SENSIBLE COOLING	0.919	0.947	0.973	1.00	1.027	1.053	1.077
HEATING FACTOR	0.991	0.994	0.997	1.00	1.002	1.004	1.006

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	0.997	0.990	0.983	0.975	0.968	0.961
HEATING	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Correction multipliers are based on horizontal pipe runs.



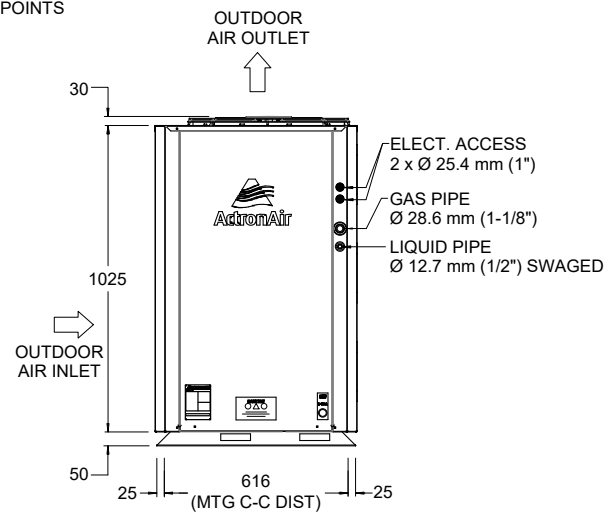
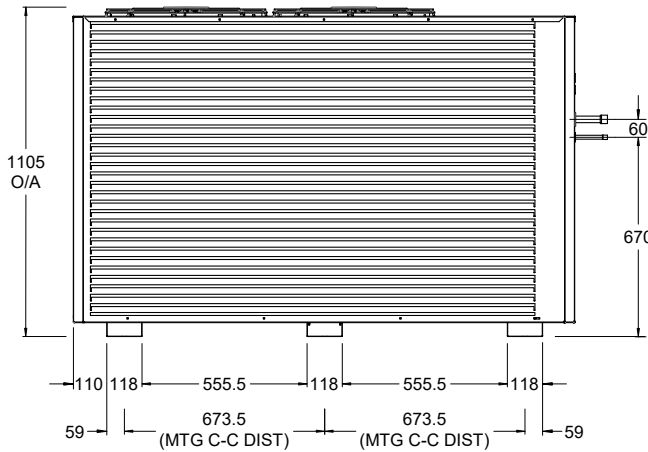
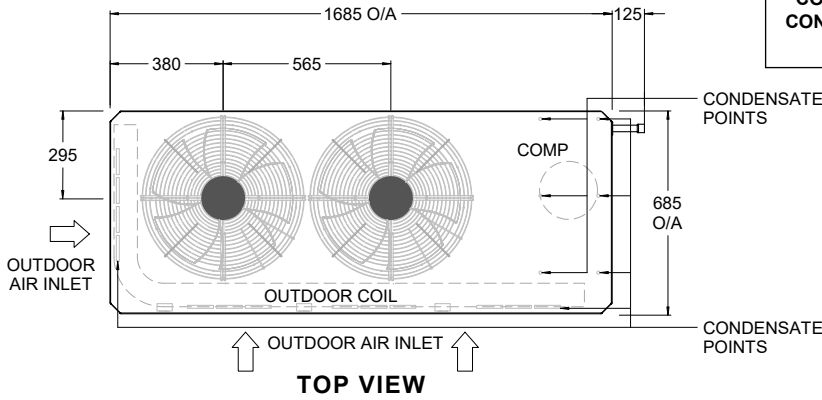
DIMENSIONS

CRA230T

OUTDOOR UNIT CRA230T

OVERALL NOMINAL DIMENSION (H x W x L)
= 1105 x 1685 x 685

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

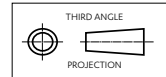
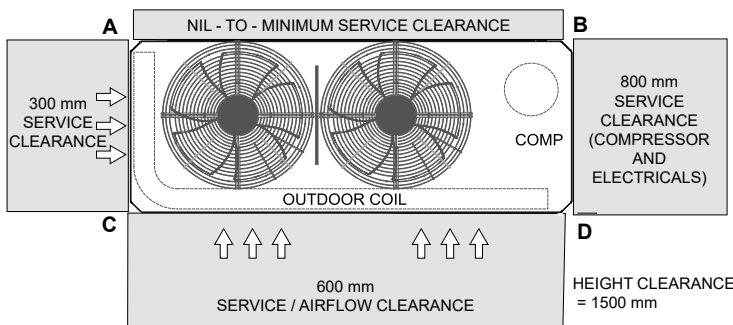


FRONT VIEW

SIDE VIEW

UNIT MODEL NUMBER	UNIT WEIGHT (kg)	CORNER WEIGHT (kg)			
		A	B	C	D
CRA230T	195	30	57	41	67

MINIMUM SERVICE ACCESS AREAS AND AIRFLOW CLEARANCES



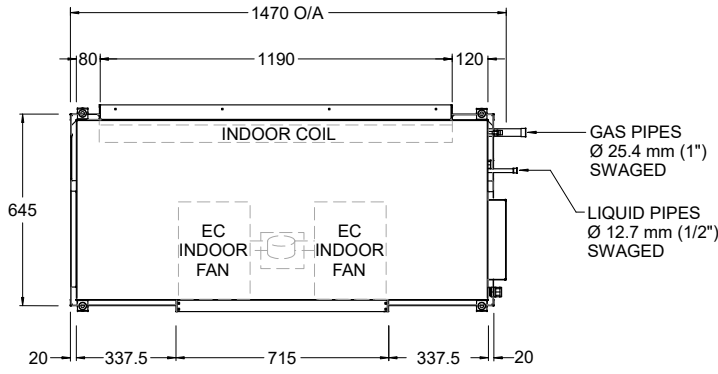
NOTES:

- 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 1000mm between the units or between the unit and the outside perimeter is available.
- 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.
- 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.

**3 Phase
1 Stage
22.95 kW**

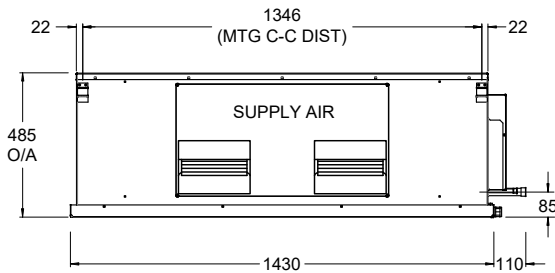


INDOOR UNIT EVA230S

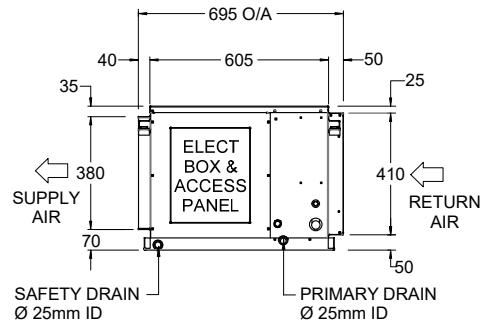


OVERALL NOMINAL DIMENSION (H x W x L)
= 485 x 1470 x 695
SUPPLY DUCT (H x W) = 380 x 715
RETURN DUCT = 410 x 1190

TOP VIEW



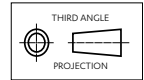
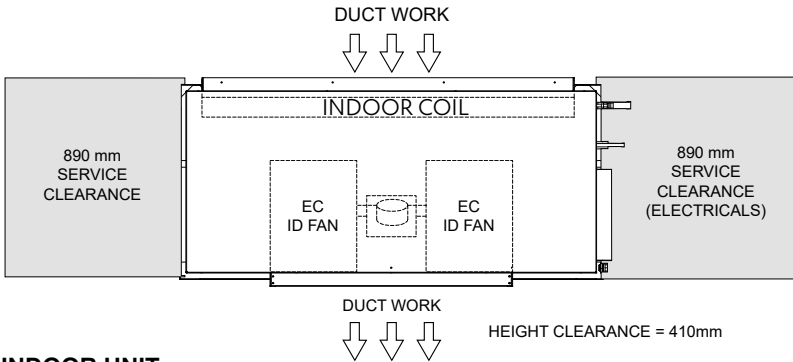
FRONT VIEW



SIDE VIEW

UNIT MODEL NUMBER	UNIT WEIGHT (kg)
EVA230S	78

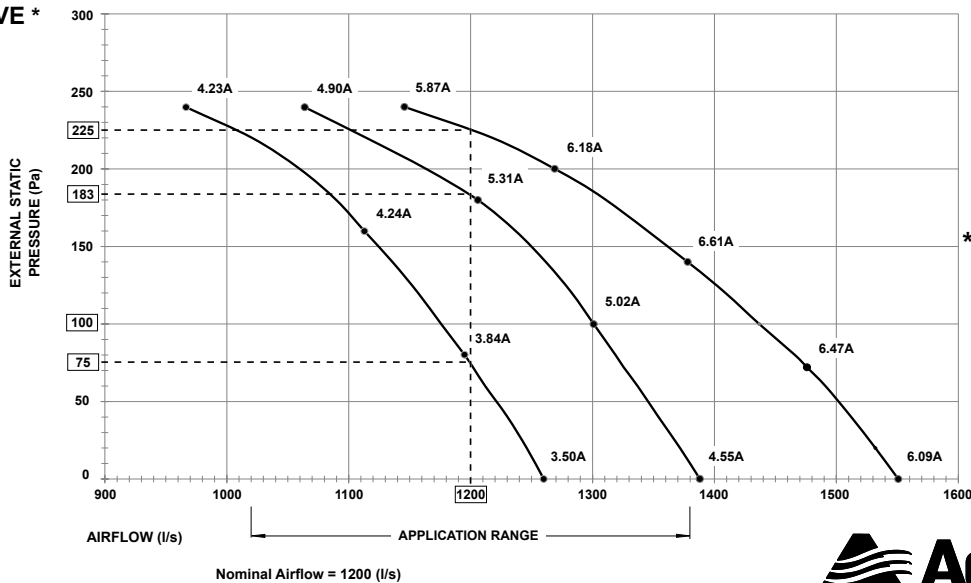
MINIMUM SERVICE ACCESS AREAS AND AIRFLOW CLEARANCES



NOTES:

- Do not scale drawing. All dimensions are in mm unless specified.
- 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.
- 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 9x7 - 1hp EC Fan.



22.95 kW
3 Phase 1 Stage

INDOOR UNIT - WITH 3RD PARTY CONTROL

AIRFLOW (l/s)	EXTERNAL STATIC PRESSURE (Pa)																					
	50		75		100		125		150		175		200		225		250		275		300	
	% PWM	W	% PWM	W	% PWM	W	% PWM	W	% PWM	W	% PWM	W	% PWM	W	% PWM	W	% PWM	W	% PWM	W	% PWM	W
1020	46	364	50	416	52	454	54	491	57	554	59	598	61	631	65	679	75	727	84	778	93	856
1050	50	396	52	471	55	489	57	532	59	575	61	616	64	673	70	718	79	774	88	815	97	864
1075	52	419	54	455	57	516	59	559	61	602	63	646	66	699	74	751	83	800	91	845		
1100	54	439	57	499	59	540	61	583	63	628	65	673	68	716	77	778	86	831	95	882		
1125	56	462	59	522	61	564	63	609	65	654	68	712	71	757	80	807	90	867	99	921		
1150	58	484	61	546	63	590	65	634	67	679	70	747	75	792	84	845	93	898				
1175	61	528	63	571	65	613	67	660	69	707	72	761	79	827	88	882	97	937				
1200	63	551	65	592	67	638	70	707	72	751	74	795	83	864	92	918						
1225	65	572	68	640	70	685	72	732	74	780	77	825	86	885	96	958						
1250	68	619	70	662	72	709	75	780	77	816	81	876	90	931	99	990						
1275	70	640	72	686	75	756	77	805	79	853	85	917	95	979								
1300	73	687	75	731	77	781	79	830	82	885	89	952	98	1012								
1325	75	707	78	780	80	829	82	873	85	939	94	998										
1350	78	757	80	804	82	851	85	922	89	972	98	1039										
1375	80	780	82	847	85	896	87	949	94	1025												
1380	81	798	83	855	86	912	88	958	95	1035												

MOTOR / BLOWER LIMIT

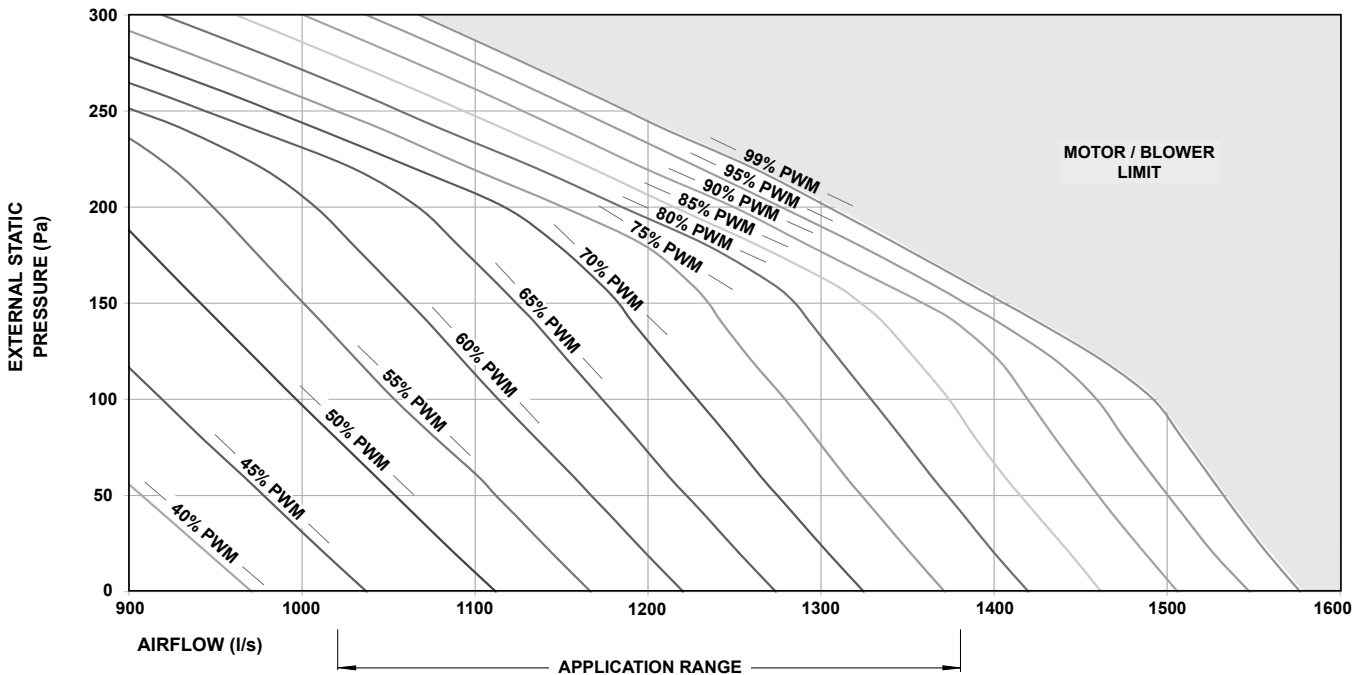
NOTES:

W = Indoor Fan Power, Watts

PWM = Pulse Width Modulation Setting, % PWM

Default PWM Setting = 77% PWM (Medium Speed)

3 Phase
1 Stage
22.95 kW



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	65.6	65.1	62.9	65.4	59.7	54.3	51.3	44.9
Medium	68.9	73.6	66.7	67.7	63.0	58.3	52.7	45.0
High	78.5	80.4	79.3	76.1	73.5	68.8	62.2	51.2

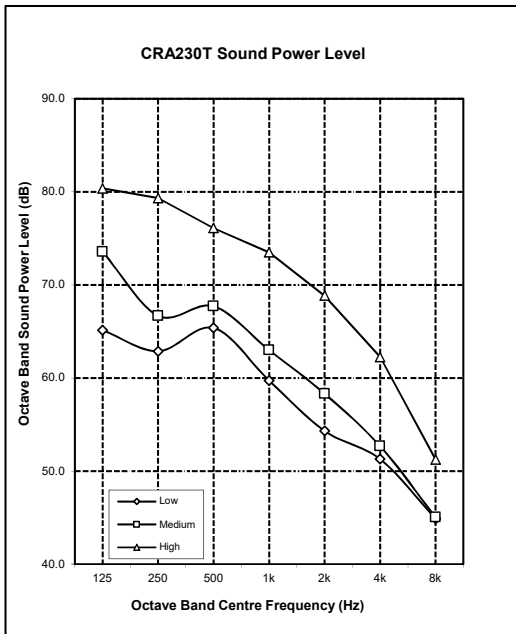
Indoor Outlet

Sound Power Level (SWL)

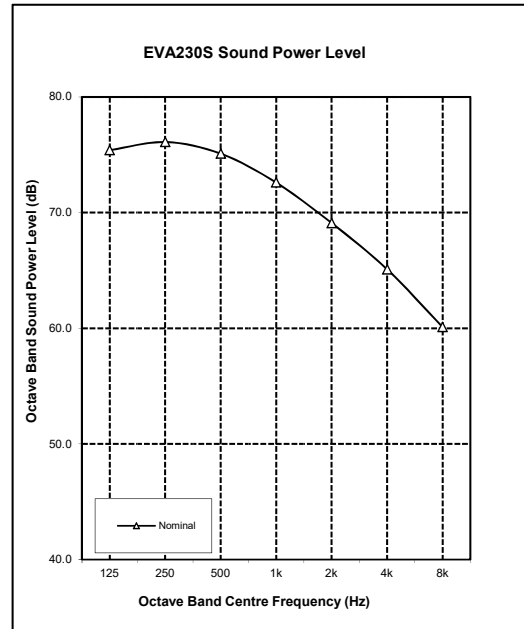
Airflow Setting	Airflow l/s	Sound Power Level dB(A)	Octave Band Centre Frequency (Hz), dB						
			125	250	500	1k	2k	4k	8k
Nominal	1200	77.5	75.4	76.1	75.1	72.6	69.1	65.1	60.1

22.95 kW
3 Phase 1 Stage

OUTDOOR RADIATED



INDOOR OUTLET



NOTES:

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

SPECIFICATIONS

CRA230T / EVA230S

CONSTRUCTION

CABINET (Indoor Unit)	0.5 - 1.2 mm Galvanized Steel
CABINET (Outdoor Unit)	0.9 - 1.2 mm Galv. 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*	15.9
Rated Load Amps**	12.0
Approximate Starting Amps	74.0
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*	6.4
Rated Load Amps**	4.8
IP Rating	IP20

OUTDOOR & INDOOR UNIT (TOTAL)	
Full Load Amps* - Phase 1	22.3
Full Load Amps* - Phase 2 & 3	14.0
Rated Load Amps**	16.8

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)	4.0 mm ² (SUGGESTED MINIMUM)
Cable Size (indoor to outdoor wire)	1.0 mm ² (SUGGESTED MINIMUM)
Circuit Breaker (RCBO if applicable)	25.0 Amps

OUTDOOR COIL

TUBE TYPE	Copper - Rifle Bore
FIN TYPE	Aluminium - Wave
FACE AREA (m sq)	2.02
FIN SPACING (per m)	630
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)	500
OUTPUT kW (each)	0.27
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 sq)	0.56
FIN SPACING (per m)	512
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) / INPUT (kW)	0.75
MOTOR TYPE / DRIVE TYPE	Variable Speed EC Motor / Direct

COMPRESSOR

NUMBER PER UNIT x TYPE	1 x Scroll (Hermetic)
FULL LOAD AMPS	14.0
LOCKED ROTOR AMPS	74.0
STARTING METHOD	D.O.L. (optional soft starter)

REFRIGERATION SYSTEM

REFRIGERANT TYPE	R-410A
EXPANSION CONTROL	Direct Expansion Orifice
FACTORY CHARGE (grams)	7600
PRE-CHARGE LENGTH (metres)	10
ADDITIONAL REF. CHARGE (gm/m)	100

FILTER DRIER

CONNECTION SIZE & TYPE	12.7 mm (1/2") 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	12.7 mm (1/2")
Gas Pipe	25.4 mm (1")

PIPE CONNECTIONS

Indoor	Liquid Pipe	12.7 mm (1/2") Swaged to fit 2.7 mm (1/2") field pipe
	Gas Pipe	25.4 mm (1") Swaged to fit 25.4 mm (1") field pipe
Outdoor	Liquid Pipe	12.7 mm (1/2") Swaged to fit 12.7 mm (1/2") field pipe
	Gas Pipe	28.58 mm (1-1/8") No swage I.D. will fit 25.4 mm (1") field pipe O.D.

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	16.0 Amps
CONTROL FIELD WIRING	2 Core 7 / 0.30 (0.5 mm ²) Twisted Shielded Data 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)



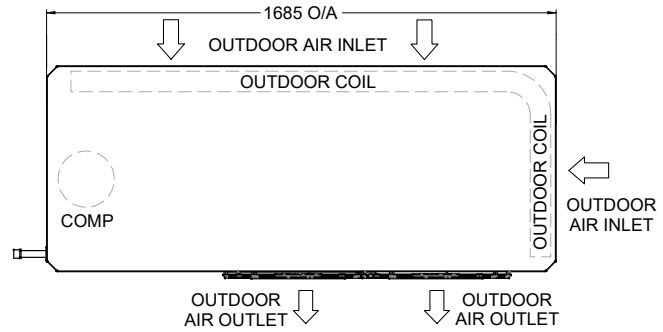
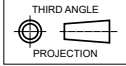
3 Phase
1 Stage
22.95 kW

OUTDOOR UNIT - HORIZONTAL DISCHARGE FANS

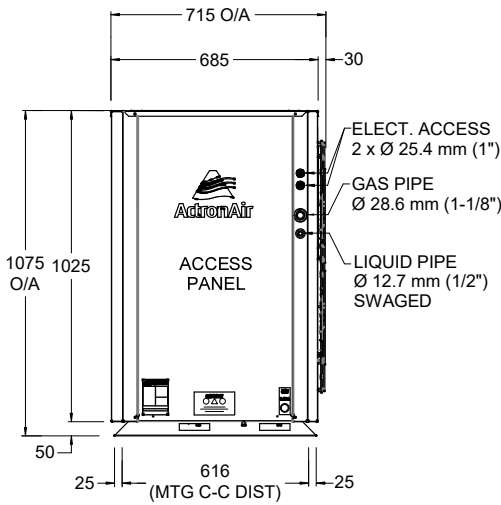
OVERALL NOMINAL DIMENSION (H x W x L)
= 1075 x 1685 x 715
USE M12 BOLT FOR FEET MOUNTING

NOTES:

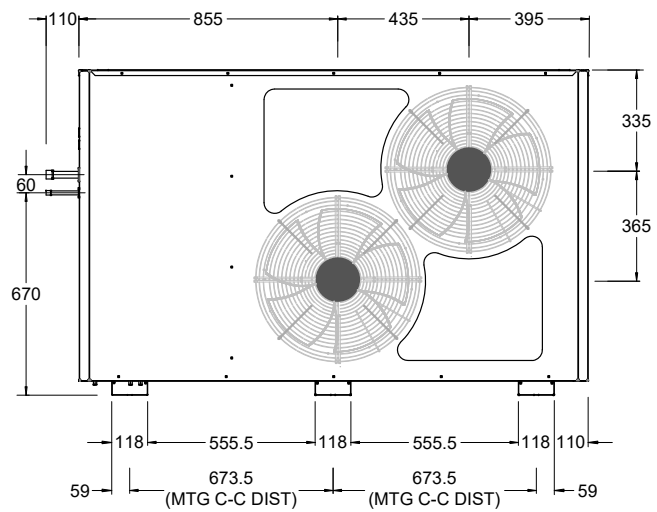
1. All dimensions are in mm unless specified.
2. Do not scale drawing.
3. Additional Full Coil Coat Protection option available on all units.
4. Suggested Service Clearance and Airflow Allowances are based on conditions that the spaces are free from obstructions and walkway passage of 1000 mm is available.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



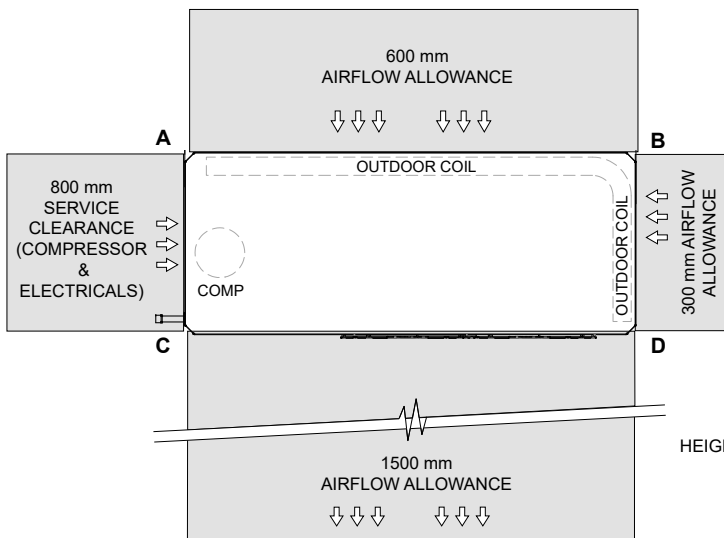
SIDE VIEW



FRONT VIEW

3 Phase
1 Stage
22.95 kW

MINIMUM SERVICE ACCESS CLEARANCES & AIRFLOW SPACE ALLOWANCES

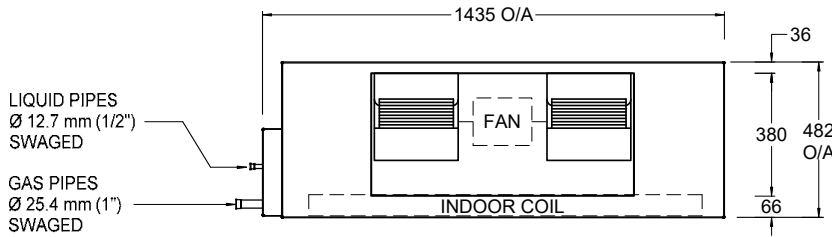


TOP VIEW

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

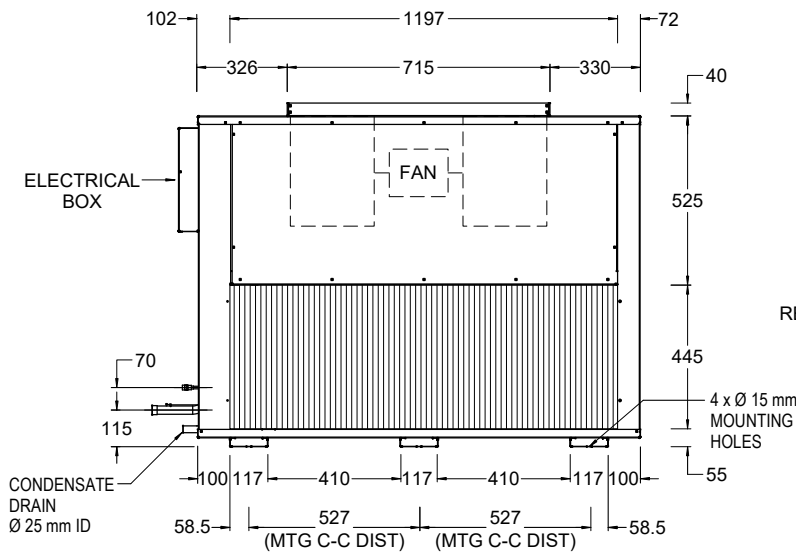
STACKING OF UNITS	
ONE IN FRONT OF THE OTHER (DISTANCE BET. A & B)	SIDE BY SIDE (DISTANCE BET. A & C)
600 mm	2500 mm

V INDOOR UNIT - UPRIGHT FAN COIL WITH VERTICAL DISCHARGE

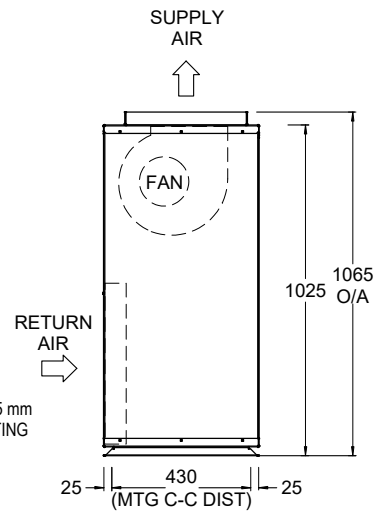


OVERALL NOMINAL DIMENSION (H x W x L)
= 1065 x 1435 x 482
SUPPLY DUCT (H x W) = 380 x 715
RETURN DUCT (H x W) = 445 x 1197
DRAIN CONNECTION = 25 mm ID

TOP VIEW



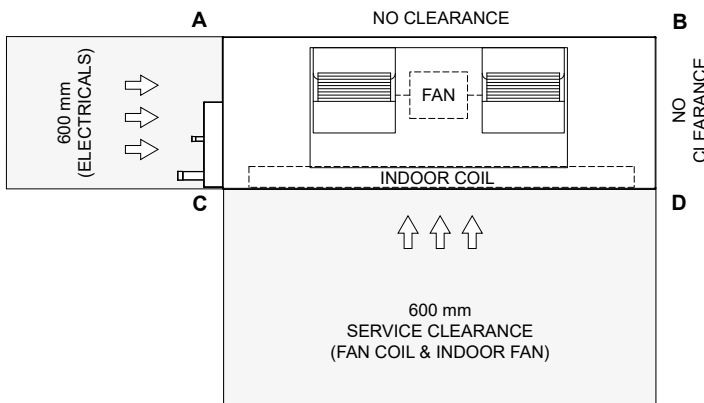
FRONT VIEW



SIDE VIEW

22.95 kW
3 Phase 1 Stage

MINIMUM SERVICE ACCESS CLEARANCES & AIRFLOW SPACE ALLOWANCES

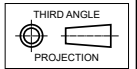


HEIGHT CLEARANCE = DUCT WORK

TOP VIEW

NOTES:

1. All dimensions are in mm unless specified.
2. Do not scale drawing.
3. Refer Fan Curve to corresponding standard EVA230S 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

