

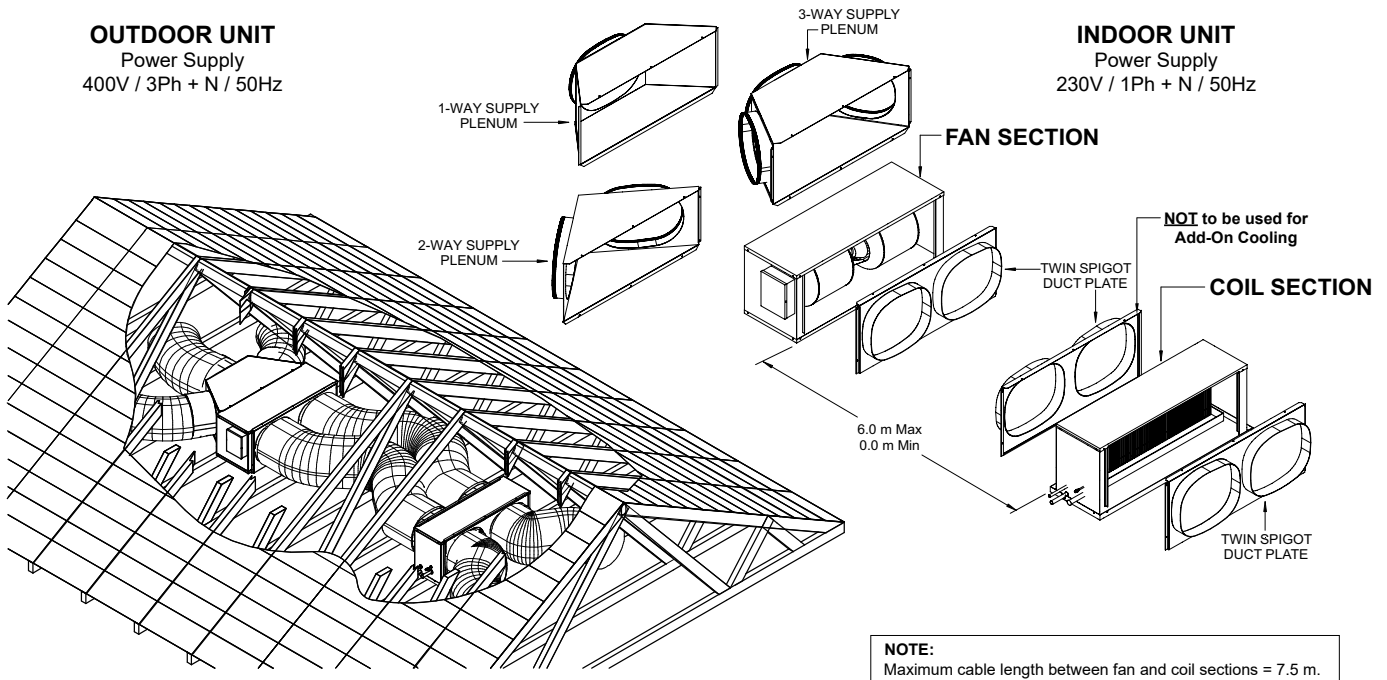
TWO-PIECE FAN COIL STANDARD CYCLING MODELS

3-PHASE MODELS

The innovative 2-PIECE fan coil system can provide a solution to difficult and tight roof space installations. This versatile system comes as separate fan and coil sections. Each compact and lightweight section is simply installed in two separate locations and is then joined by flexible ducting.

Ducting is attached to each section by either a 1, 2 or 3 way EASY FIT supply plenum or a twin spigot duct plate, these can be fitted to either side of each section.

NOTE: Refer to the Technical Selection Data Catalogue for more detailed product information such as specifications, fan curves and wiring diagrams.



UNIT FEATURES

- Designed for ease of installation in difficult roof spaces.
- 3-Speed Fan Setting.
- Mounting studs for perforated hanging strap.
- External Condensate Drain Tray.
- Incorporates the EASY FIT supply & return air plenum system.
- Reduce return air noise.
- Integrated Primary and Safety Drain Trays.
- Supplied with Drain Kit & P-Trap (Except Model EAA230S).

MODEL COMBINATION CAPACITY RATINGS AND ELECTRICAL DATA

Outdoor Unit	Indoor Coil Section	Indoor Fan Section	Total Cooling Capacity (kW)	Total Heating Capacity (kW)	Airflow (l/s) (Min / Nom / Max)	RLA (OD / ID / Total)	FLA (OD / ID / Total)
CRA130T	EAA130S	EFA130S	13.00	11.85	590 / 650 / 750	6.3 / 4.2 / 10.5	8.3 / 4.3 / 12.6
CRA150T	EAA150S	EFA150S	15.27	14.45	690 / 770 / 880	7.1 / 4.2 / 11.3	11.7 / 4.3 / 16.0
CRA170T	EAA170S	EFA170S	17.56	17.38	770 / 850 / 900	8.7 / 4.1 / 12.8	12.3 / 4.3 / 16.6
CRA200T	EAA200S	EFA200S	19.69	19.27	900 / 1000 / 1150	9.0 / 4.5 / 13.5	13.9 / 5.9 / 19.8
CRA230T	EAA230S	EFA230S	23.21	22.88	1020 / 1200 / 1380	12.0 / 4.8 / 16.8	15.9 / 6.4 / 22.3

WEIGHTS AND DIMENSIONS

Coil Section	Weight (kg)	Height (mm)	Depth (mm)	Width (mm)	Fan Section	Weight (kg)	Height (mm)	Depth (mm)	Width (mm)
EAA130S	24	410	342	1054	EFA130S	31	408	362	1072
EAA150S	27	410	342	1252	EFA150S	31	408	362	1072
EAA170S	29	410	342	1252	EFA170S	31	408	362	1072
EAA200S	39	435	342	1360	EFA200S	41	433	412	1268
EAA230S	43	486	342	1410	EFA230S	43	483	412	1269

NOTES:

1. Airflow across the coil must be no less than the complete fan sections minimum airflow.
2. External static pressure is the same as the standard EVA model fan coil. Refer to the comparable fan curves for each model.
3. Refer to installation section for plenum combination options.
4. Weights and dimensions are nominal values.

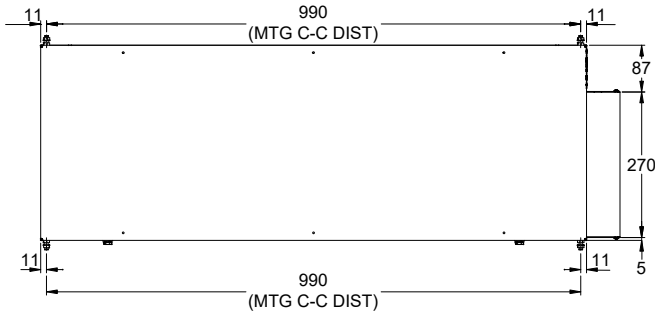


UNIT DIMENSIONS

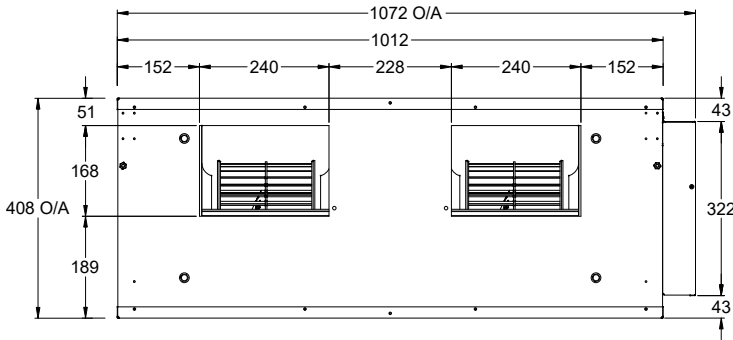
EFA130S/EFA150S/EFA170S

F FAN SECTION

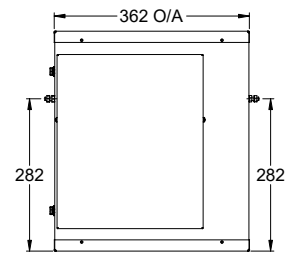
OVERALL NOMINAL DIMENSION (H X W X D)
 = 408 X 1072 X 362
 SUPPLY DUCT (H X W) = 168 X 708
 RETURN DUCT = 378 X 900



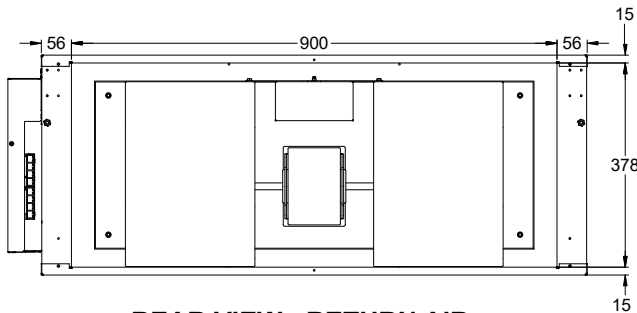
TOP VIEW



FRONT VIEW - SUPPLY AIR



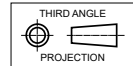
SIDE VIEW



REAR VIEW - RETURN AIR

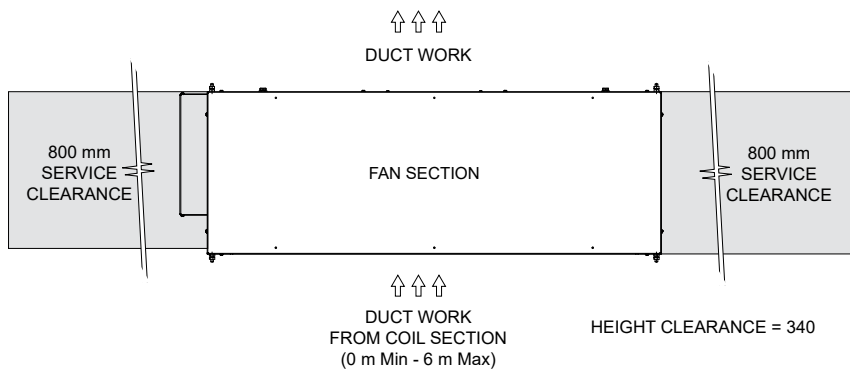
UNIT MODEL NUMBER	UNIT WEIGHT (kg)
EFA130S / EFA150S / EFA170S	31

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 passages of 1000 mm 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.

MINIMUM SERVICE ACCESS CLEARANCES



TOP VIEW

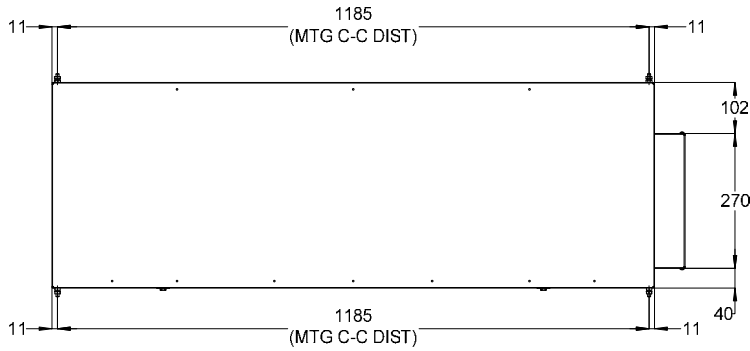


UNIT DIMENSIONS

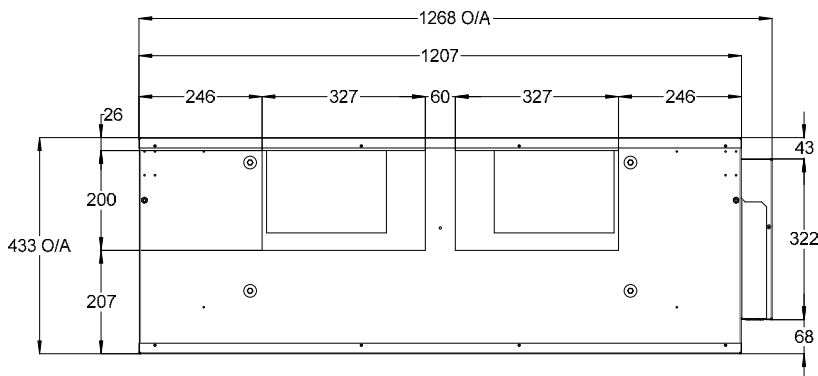
EFA200S

F FAN SECTION

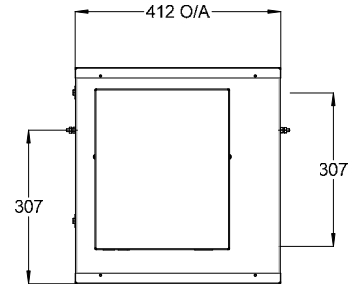
OVERALL NOMINAL DIMENSION (H x W x D)
 = 433 x 1268 x 412
 SUPPLY DUCT (H x W) = 200 x 714
 RETURN DUCT (H x W) = 403 x 1095



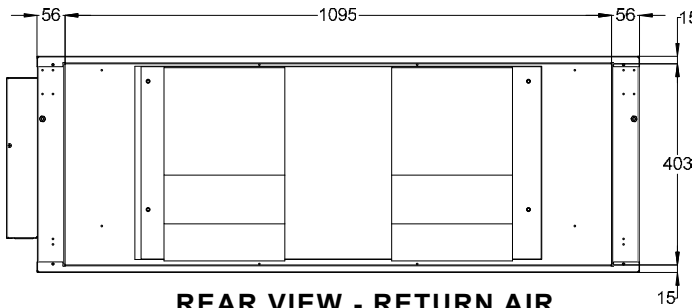
TOP VIEW



FRONT VIEW - SUPPLY AIR



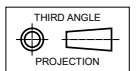
SIDE VIEW



REAR VIEW - RETURN AIR

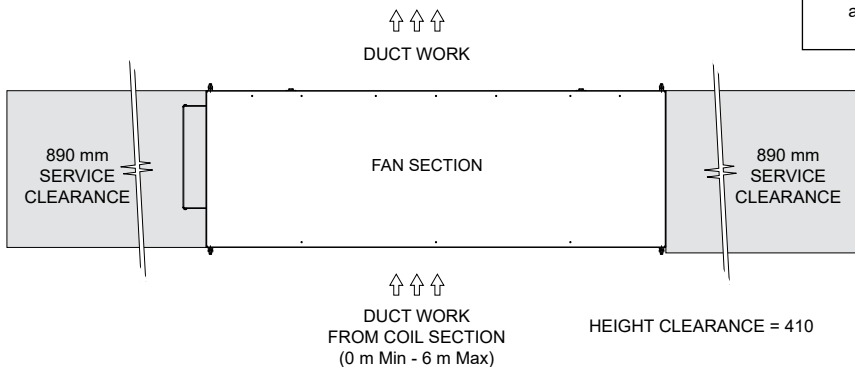
UNIT MODEL NUMBER	UNIT WEIGHT (kg)
EFA200S	41

NOTES:



- Do not scale drawing. All dimensions are in mm unless specified. Refer to corresponding unit dimensional drawing for mounting hole details.
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MINIMUM SERVICE ACCESS CLEARANCES



TOP VIEW

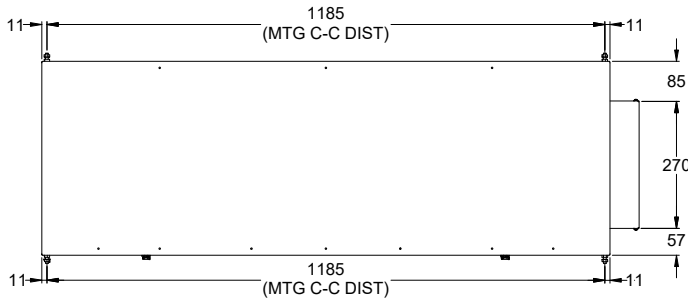


UNIT DIMENSIONS

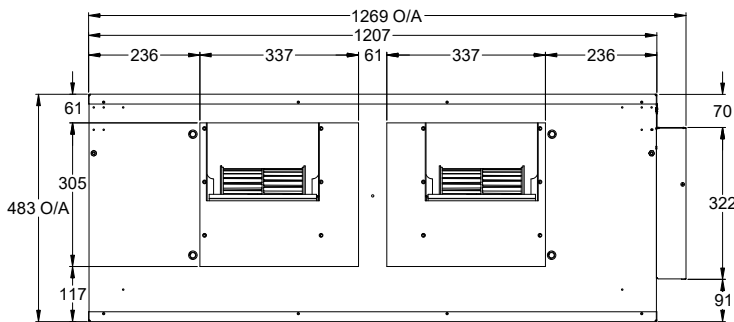
EFA230S

F FAN SECTION

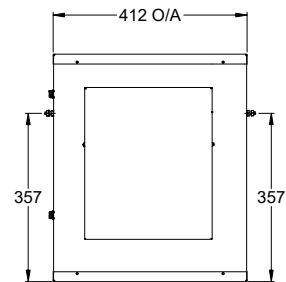
OVERALL NOMINAL DIMENSION (H x W x D)
 = 483 x 1269 x 412
 SUPPLY DUCT (H x W) = 200 x 714
 RETURN DUCT (H x W) = 453 x 1095



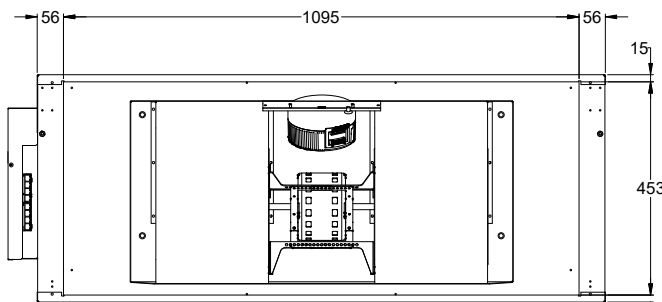
TOP VIEW



FRONT VIEW - SUPPLY AIR

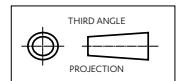


SIDE VIEW



REAR VIEW - RETURN AIR

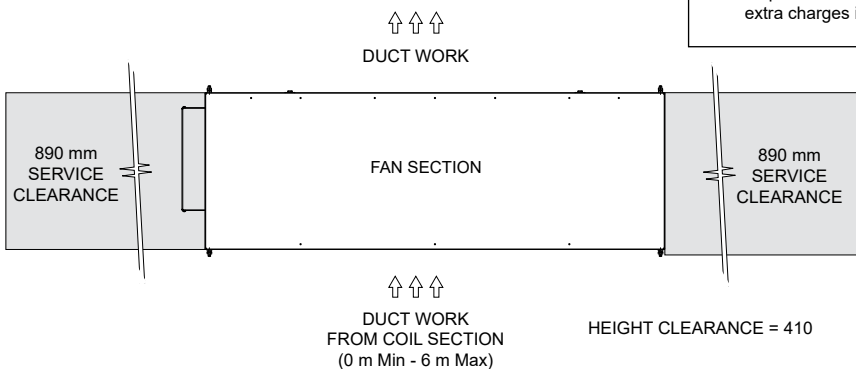
UNIT MODEL NUMBER	UNIT WEIGHT (kg)
EFA230S	43



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 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.
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MINIMUM SERVICE ACCESS CLEARANCES



TOP VIEW

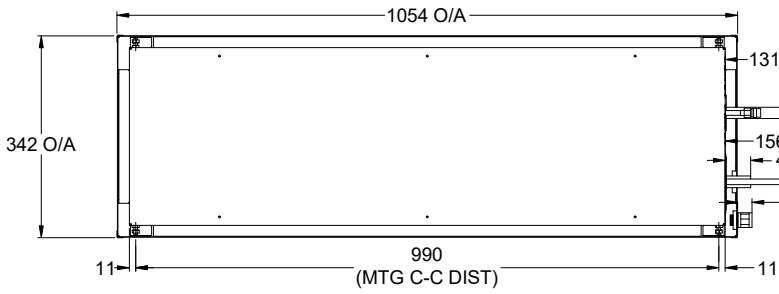


UNIT DIMENSIONS

EAA130S

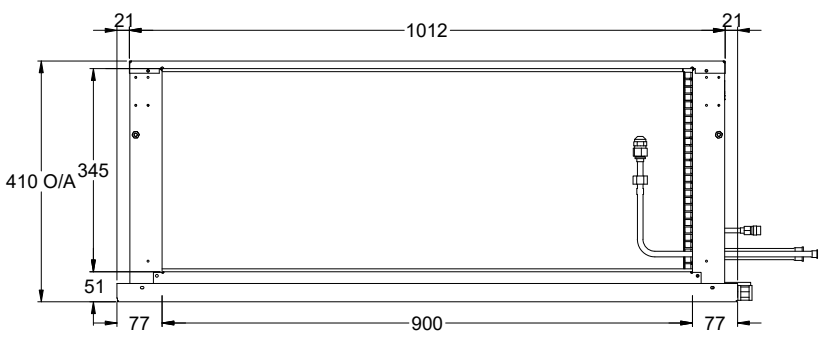
A COIL SECTION

OVERALL NOMINAL DIMENSION (H x W x D)
 = 410 x 1054 x 342
 SUPPLY DUCT (H x W) = 345 x 900
 RETURN DUCT = 345 x 900

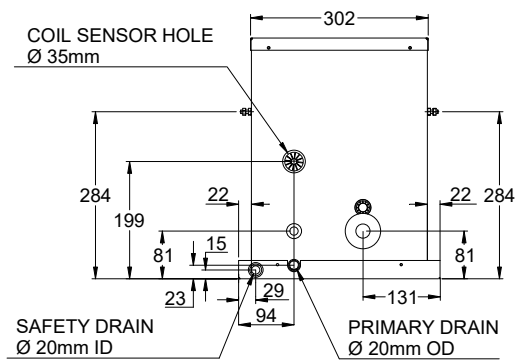


TOP VIEW

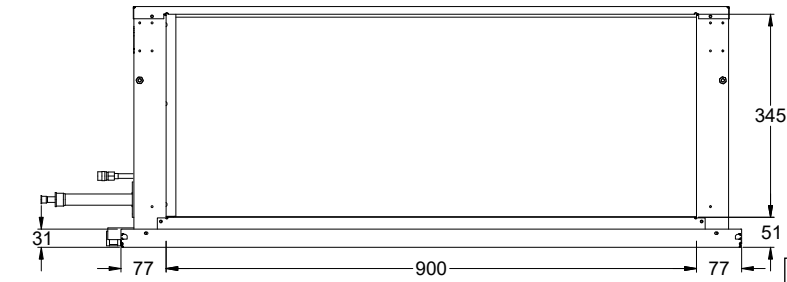
GAS PIPE
 Ø 19.05mm (3/4")
 SWAGED
 LIQUID PIPE
 Ø 9.52mm (3/8")
 SWAGED



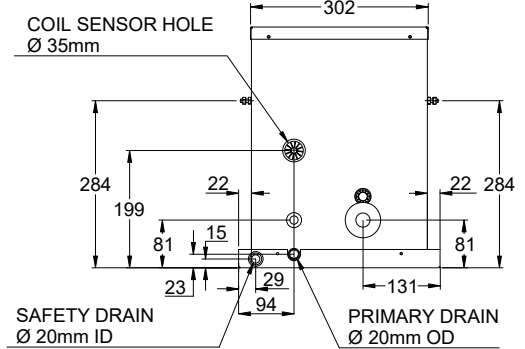
FRONT VIEW - SUPPLY AIR



SIDE VIEW

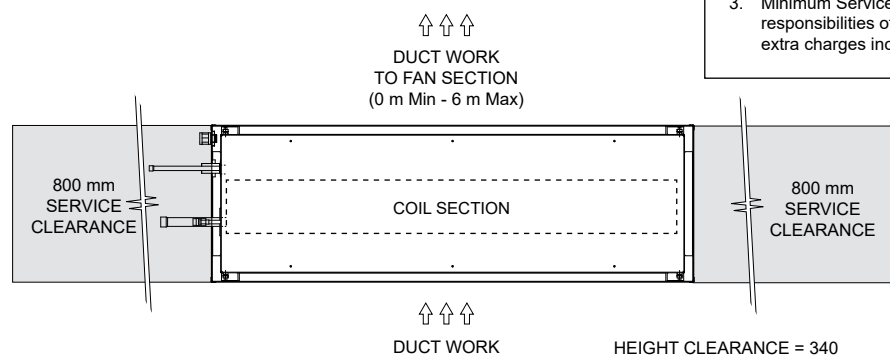


REAR VIEW - RETURN AIR

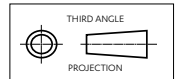


UNIT MODEL NUMBER	UNIT WEIGHT (kg)
EAA130S	24

MINIMUM SERVICE ACCESS CLEARANCES



TOP VIEW



- NOTES:**
1. Do not scale drawing. All dimensions are in mm unless specified. Refer to corresponding unit dimensional drawing for mounting hole details.
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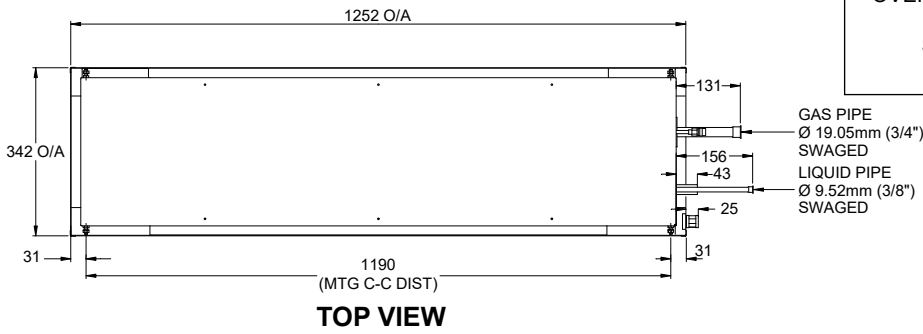


UNIT DIMENSIONS

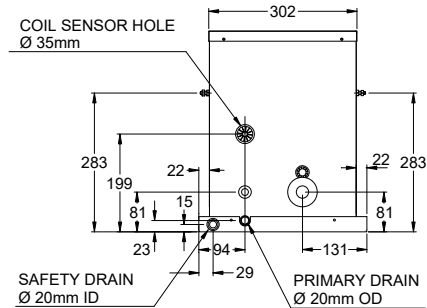
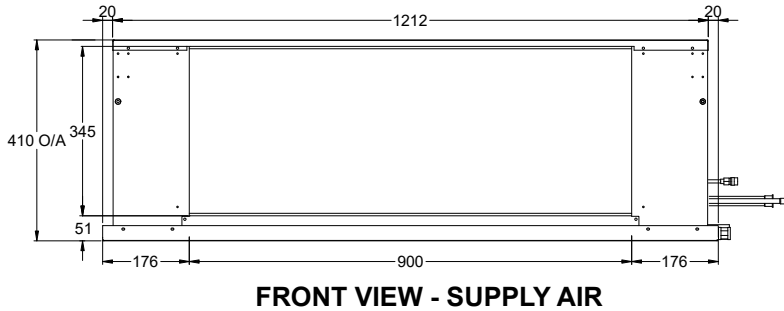
EAA150S / EAA170S

A COIL SECTION

OVERALL NOMINAL DIMENSION (H x W x D)
 = 410 x 1252 x 342
 SUPPLY DUCT (H x W) = 345 x 900
 RETURN DUCT = 345 x 900



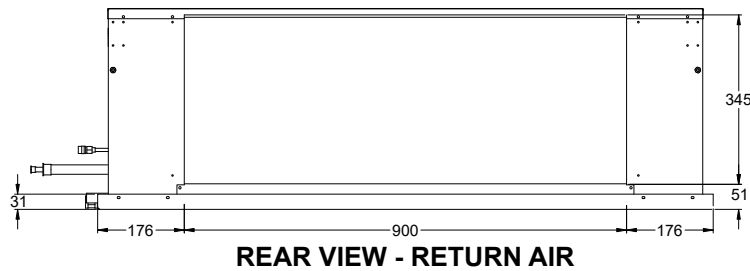
GAS PIPE
 Ø 19.05mm (3/4")
 SWAGED
 LIQUID PIPE
 Ø 9.52mm (3/8")
 SWAGED



COIL SENSOR HOLE
 Ø 35mm

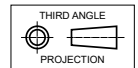
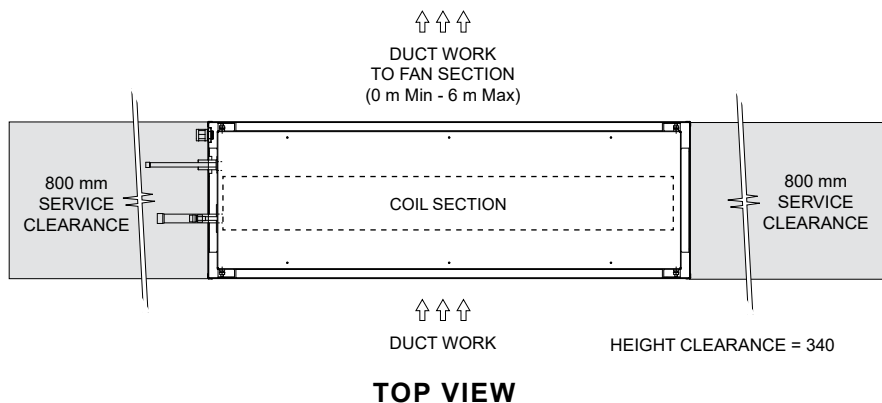
SAFETY DRAIN
 Ø 20mm ID

PRIMARY DRAIN
 Ø 20mm OD



UNIT MODEL NUMBER	UNIT WEIGHT (kg)
EAA150S	27
EAA170S	29

MINIMUM SERVICE ACCESS CLEARANCES



NOTES:

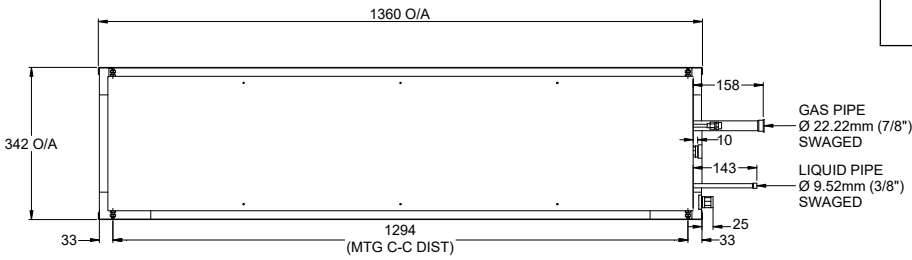
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UNIT DIMENSIONS

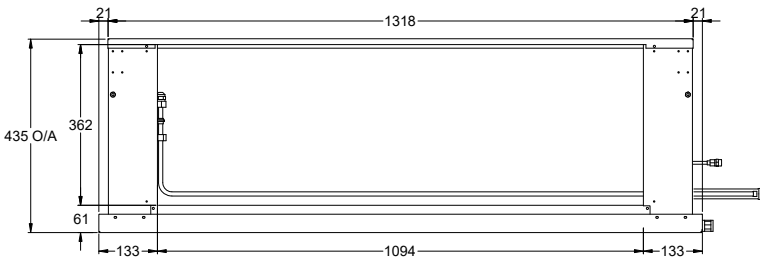
EAA200S

A COIL SECTION

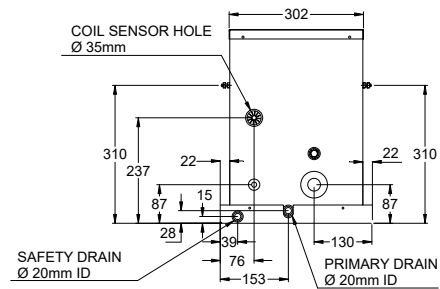
OVERALL NOMINAL DIMENSION (H x W x D)
 = 435 x 1360 x 342
 SUPPLY DUCT (H x W) = 362 x 1094
 RETURN DUCT = 362 x 1094



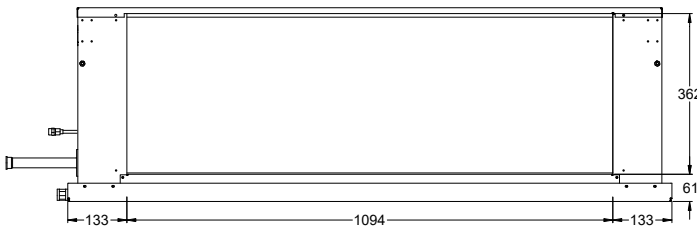
TOP VIEW



FRONT VIEW - SUPPLY AIR



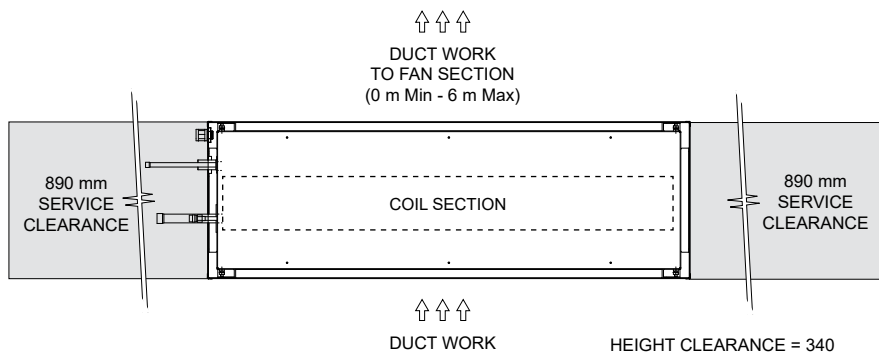
SIDE VIEW



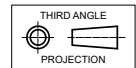
REAR VIEW - RETURN AIR

UNIT MODEL NUMBER	UNIT WEIGHT (kg)
EAA200S	39

MINIMUM SERVICE ACCESS CLEARANCES



TOP VIEW



NOTES:

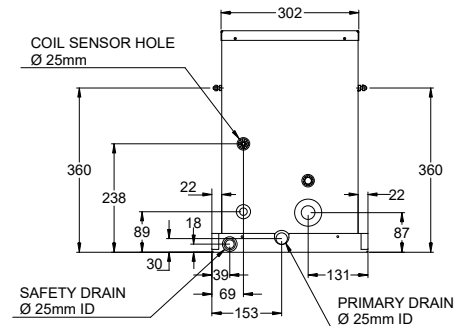
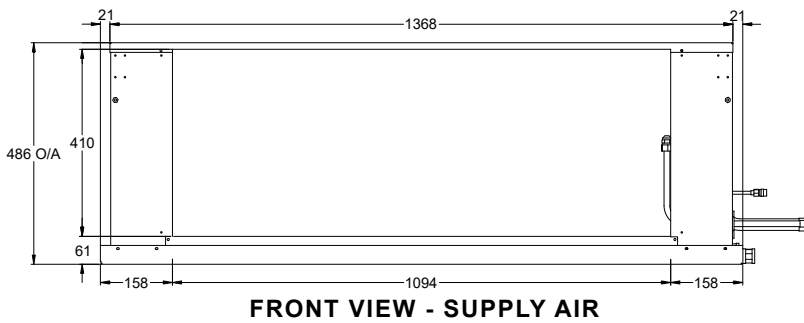
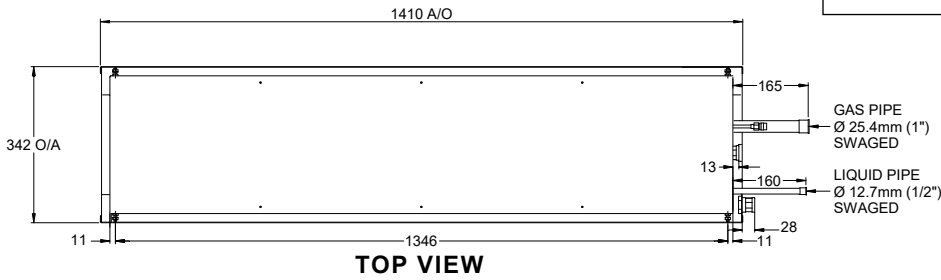
- Do not scale drawing. All dimensions are in mm unless specified. Refer to corresponding unit dimensional drawing for mounting hole details.
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UNIT DIMENSIONS

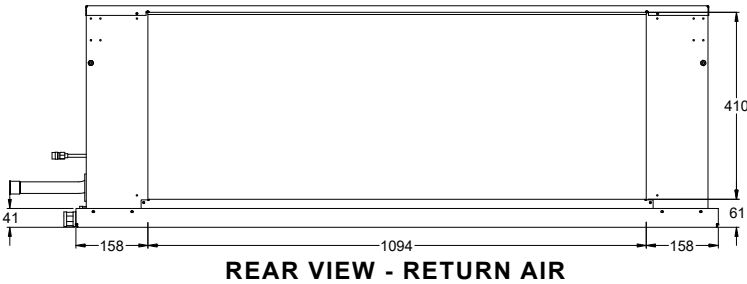
EAA230S

A COIL SECTION

OVERALL NOMINAL DIMENSION (H x W x D)
 = 486 x 1410 x 342
 SUPPLY DUCT (H x W) = 410 x 1094
 RETURN DUCT = 410 x 1094

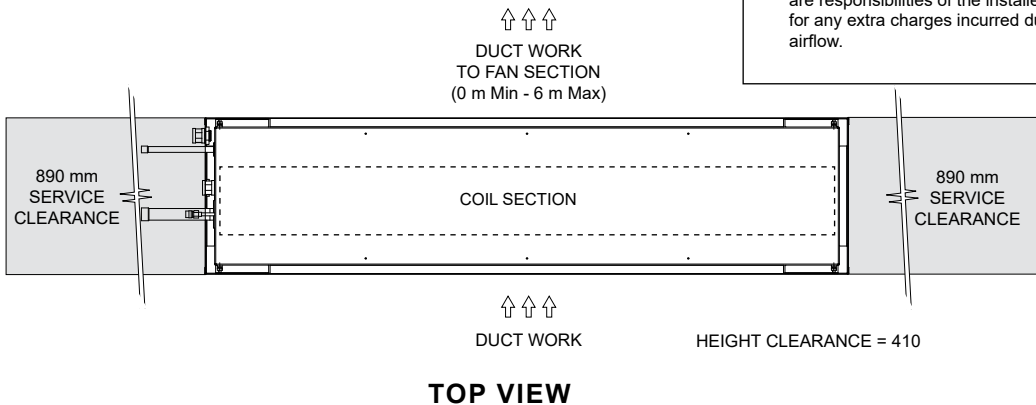


SIDE VIEW



UNIT MODEL NUMBER	UNIT WEIGHT (kg)
EAA230S	43

MINIMUM SERVICE ACCESS CLEARANCES



NOTES:

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SUPPLY PLENUM / DUCT PLATE OPTIONS - STD SPLIT FAN COIL

EAA130S-EFA130S EAA150S-EFA150S EAA170S-EFA170S EAA200S-EFA200S EAA230S-EFA230S

MODELS	1 WAY SUPPLY PLENUM	2 WAY SUPPLY PLENUM				3 WAY SUPPLY PLENUM						TWIN SPIGOT DUCT PLATES			
	PL18S-1/40S 1 x 400 mm (16")	PL18S-2/35S 2 x 350 mm (14")	PL20S-2/40S 2 x 400 mm (16")	PL34S-2/45S 2 x 450 mm (18")	PL13S-3/30S 3 x 300 mm (12")	PL18S-3/35S 3 x 350 mm (14")	PL20S-3/SPS 1 x 350 mm (14") 1 x 400 mm (16") 1 x 350 mm (14")	PL22S-3/35S 3 x 350 mm (14")	PL30S-3/40S 3 x 400 mm (16")	PL34S-3/45S 3 x 450 mm (18")	PLDP-2/350 2 x 350 mm (14")	PLDP-2/400 2 x 400 mm (16")	PLDS-2/400 2 x 400 mm (16")	PLDT-2/450 2 x 450 mm (18")	
EAA130S	-	-	-	-	-	-	-	-	-	-	✓	✓	-	-	
EAA150S	-	-	-	-	-	-	-	-	-	-	-	✓	-	-	
EAA170S	-	-	-	-	-	-	-	-	-	-	-	✓	-	-	
EAA200S	-	-	-	-	-	-	-	-	-	-	-	-	✓	-	
EAA230S	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	
EFA130S	✓	✓	✓	-	✓	✓	✓	-	-	-	✓	✓	-	-	
EFA150S	✓	✓	✓	-	✓	✓	✓	-	-	-	-	✓	-	-	
EFA170S	✓	✓	✓	-	✓	✓	✓	-	-	-	-	✓	-	-	
EFA200S	-	✓	✓	-	-	-	-	-	-	-	-	-	✓	-	
EFA230S	-	-	-	✓	-	-	-	✓	✓	✓	-	-	-	✓	
A	-	385		-	-	-	-	-	-	-	-	-	-	-	
B	-	965		-	-	-	-	-	-	-	-	-	-	-	
C	-	-	-	535	-	-	-	-	-	-	-	-	-	-	
D	-	-	-	1000	-	-	-	-	-	-	-	-	-	-	
E	-	-	-	-	472			630			-	-	-	-	
F	-	-	-	-	965			1000			-	-	-	-	
G	-	-	-	-	355			455			-	-	-	-	
H	-	-	-	-	-	-	-	-	-	-	962		1158		
I	-	-	-	-	-	-	-	-	-	-	407	433	483		

NOTES:

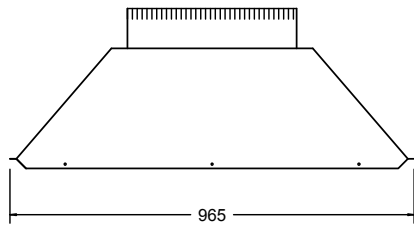
1. For air flow purposes, please refer to supply and return air matrix for details of required number of spigots in operation.
2. All dimensions are in mm unless specified.
3. Do not scale drawing.



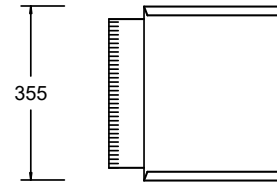
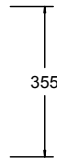
SUPPLY PLENUM / DUCT PLATE OPTIONS - STD SPLIT FAN COIL

EAA130S-EFA130S EAA150S-EFA150S EAA170S-EFA170S EAA200S-EFA200S EAA230S-EFA230S

ONE WAY SUPPLY PLENUM

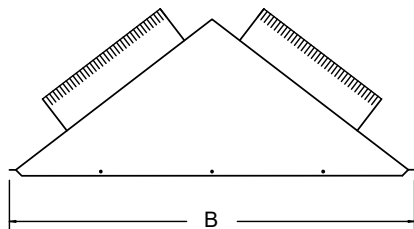


TOP VIEW

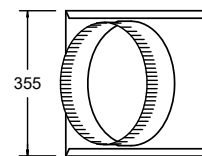
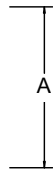


SIDE VIEW

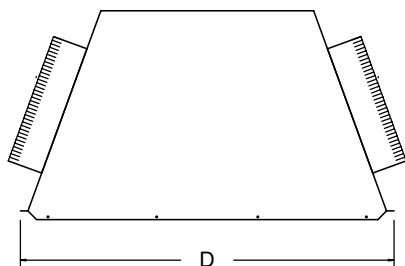
TWO WAY SUPPLY PLENUM



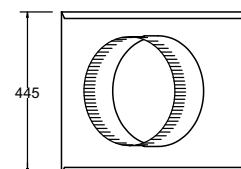
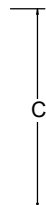
TOP VIEW



SIDE VIEW



TOP VIEW



SIDE VIEW

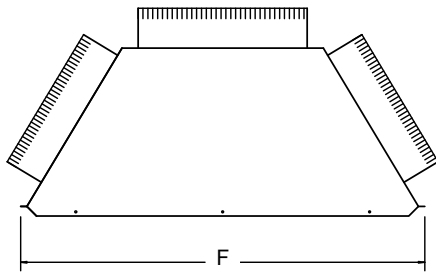
NOTES:

1. For air flow purposes, please refer to supply and return air matrix for details of required number of spigots in operation.
2. All dimensions are in mm unless specified.
3. Do not scale drawing.

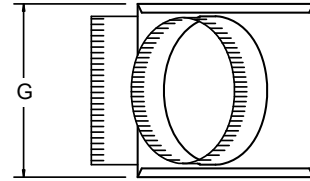
SUPPLY PLENUM / DUCT PLATE OPTIONS - STD SPLIT FAN COIL

EAA130S-EFA130S EAA150S-EFA150S EAA170S-EFA170S EAA200S-EFA200S EAA230S-EFA230S

THREE WAY SUPPLY PLENUM

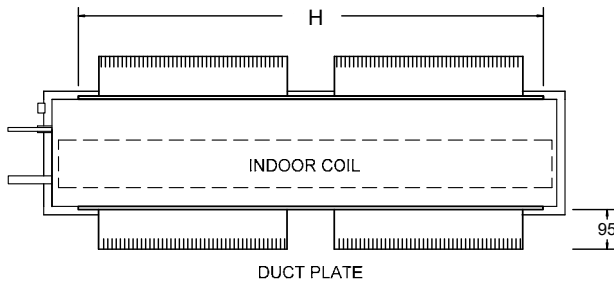


TOP VIEW

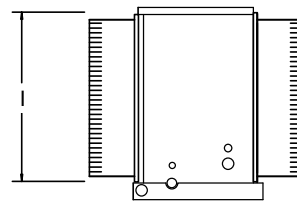


SIDE VIEW

TWIN SPIGOT DUCT PLATES



TOP VIEW



SIDE VIEW

NOTES:

1. For air flow purposes, please refer to supply and return air matrix for details of required number of spigots in operation.
2. All dimensions are in mm unless specified.
3. Do not scale drawing.