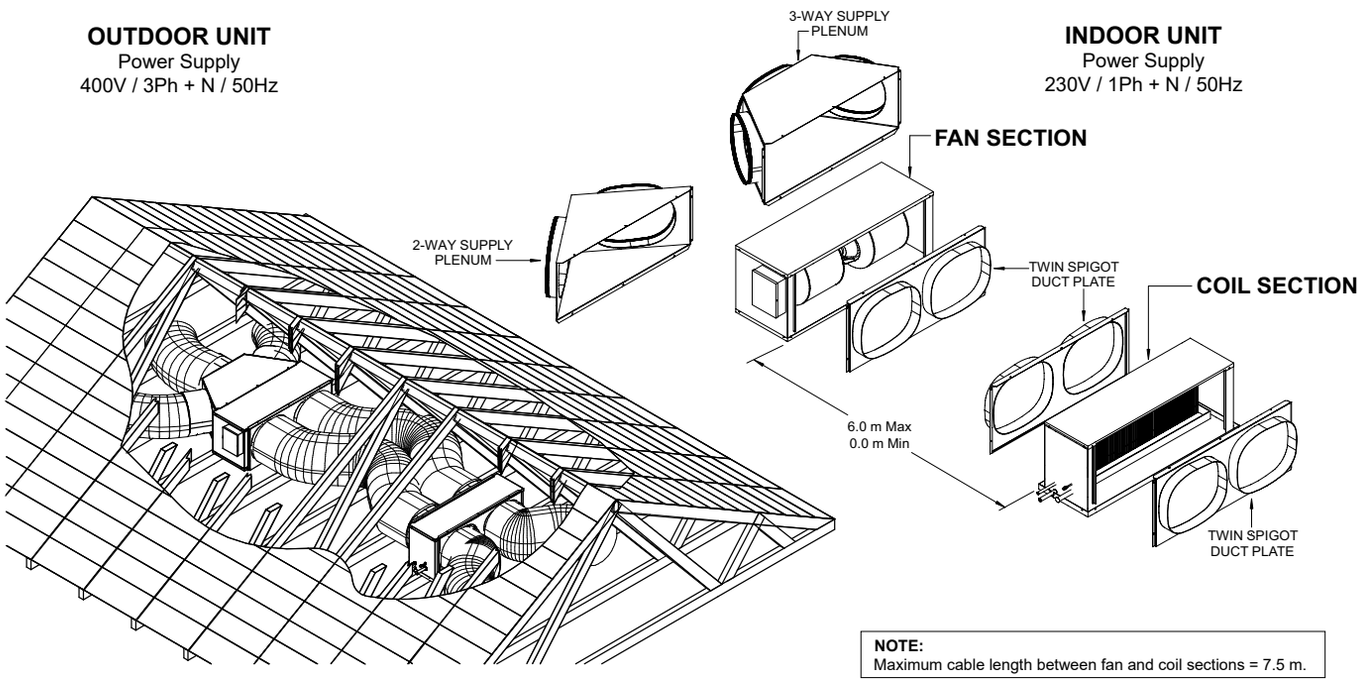
TWO-PIECE FAN COIL ADVANCE MODELS

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.



NOTE:
Maximum cable length between fan and coil sections = 7.5 m.

UNIT FEATURES

- Designed for ease of installation in difficult roof spaces.
- Mounting studs for perforated hanging strap.
- 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 EAA210S & EAA240S).

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)
CRV160T	**EAA160S**	**EFV160S**	14.25	14.75	600 / 750 / 900	6.0 / 2.2 / 8.2	11.9 / 3.2 / 15.1
CRV180T	**EAA180S**	**EFV180S**	16.30	16.70	680 / 850 / 1020	7.8 / 2.7/ 10.5	11.8 / 4.4 / 16.2
CRV210T	**EAA210S**	**EFV210S**	19.40	19.60	810 / 1020 / 1230	7.8 / 3.6 / 11.4	16.4 / 5.5 / 21.9
CRV240T	**EAA240S**	**EFV240S**	21.55	22.50	900 / 1130 / 1360	8.4 / 3.8 / 12.2	16.6 / 6.0 / 22.6

WEIGHTS AND DIMENSIONS

Coil Section	Weight (kg)	Height (mm)	Depth (mm)	Width (mm)	Fan Section	Weight (kg)	Height (mm)	Depth (mm)	Width (mm)
EAA160S	29	410	342	1252	**EFV160S**	31	408	362	1072
EAA180S	39	435	342	1360	**EFV180S**	31	408	362	1072
EAA210S	40	486	342	1410	**EFV210S**	43	483	412	1269
EAA240S	43	486	342	1410	**EFV240S**	43	483	412	1269

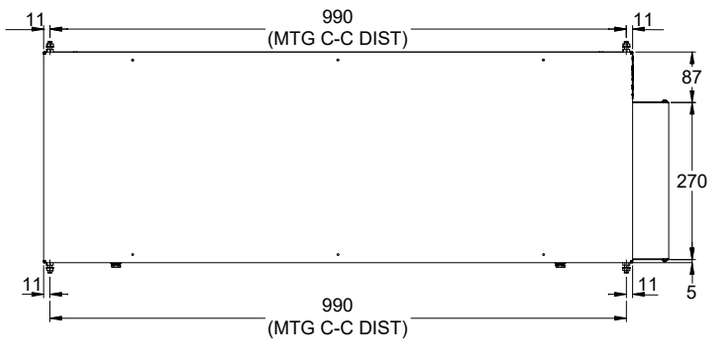
NOTES:
1. Airflow across the coil must be no less than the complete fan sections minimum airflow.
2. External static pressure is the same as the standard EVV model fan coil. Refer to the comparable fan curves for each model.
3. Refer to installation section for plenum combination options.
4. Weights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

UNIT DIMENSIONS

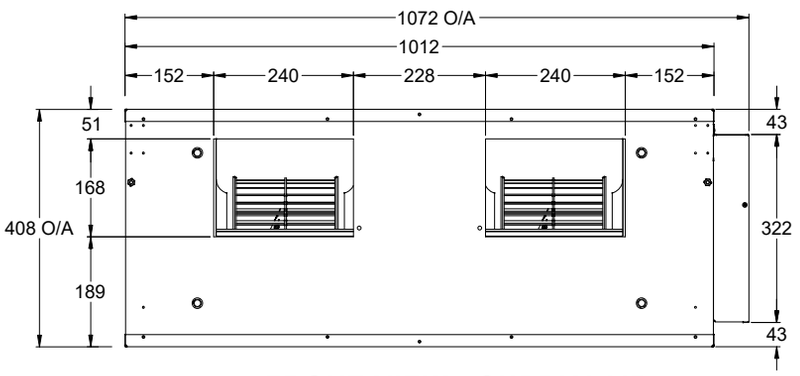
EFV160S / EFV180S

F FAN SECTION

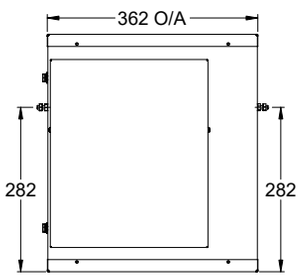
OVERALL NOMINAL DIMENSION (H x W x D)
= 408 x 1072 x 362
SUPPLY DUCT (H x W) = 168 x 708
RETURN DUCT (H x W) = 378 x 900



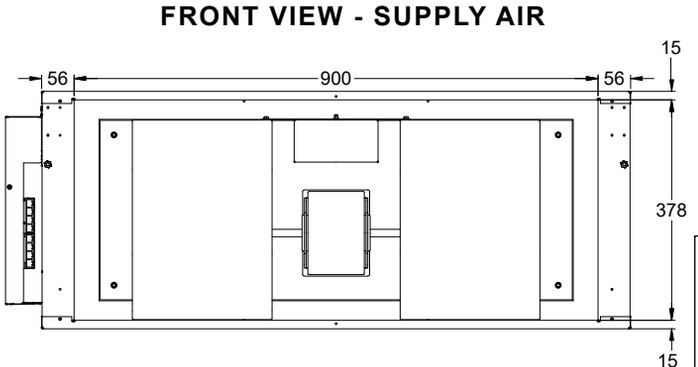
TOP VIEW



FRONT VIEW - SUPPLY AIR



SIDE VIEW



REAR VIEW - RETURN AIR

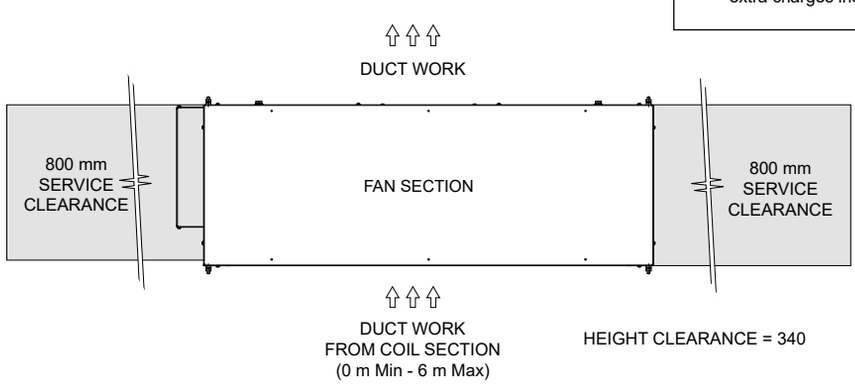
UNIT MODEL NUMBER	UNIT WEIGHT (kg)
EFV160S / EFV180S	31

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 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.
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

TWO - PIECE FAN COIL
STD SPLIT MODELS

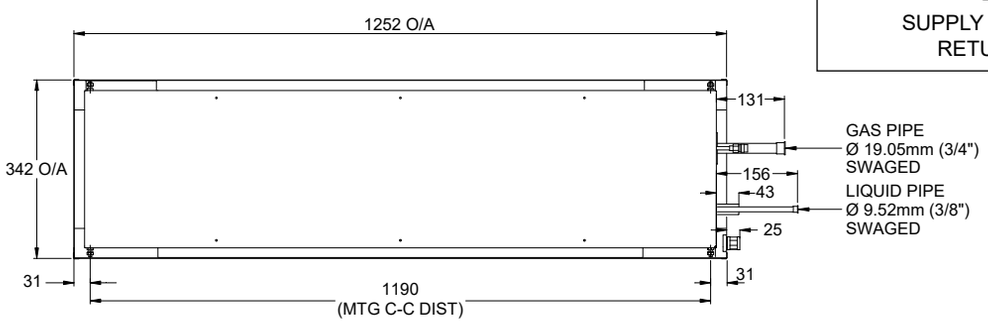
9590-0015-09
Ver.3 210122

UNIT DIMENSIONS

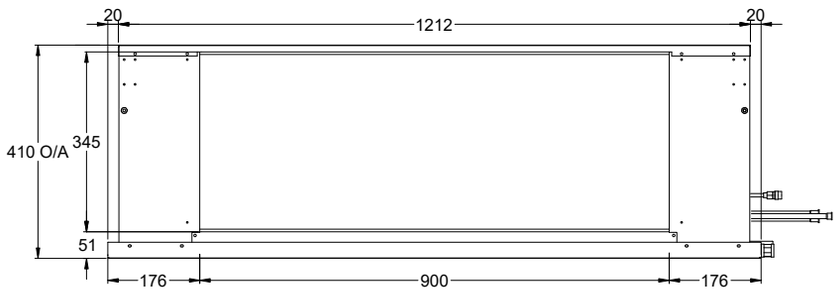
EAA160S

A COIL SECTION

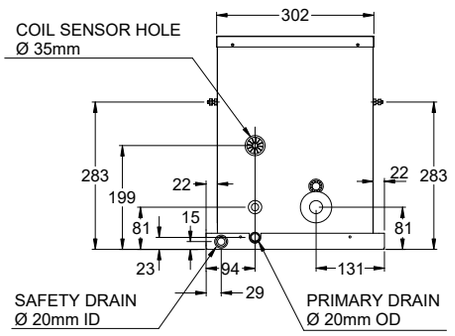
OVERALL NOMINAL DIMENSION (H x W x D)
= 410 x 1252 x 342
SUPPLY DUCT (H x W) = 345 x 900
RETURN DUCT = 345 x 900



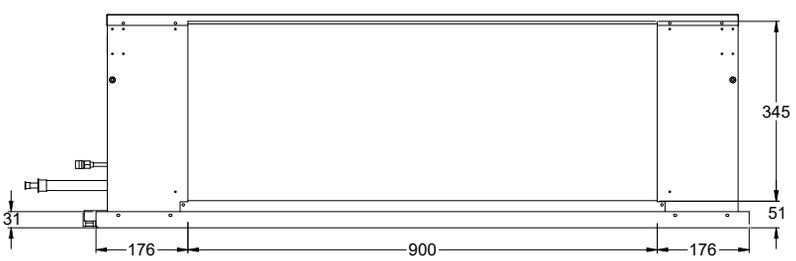
TOP VIEW



FRONT VIEW - SUPPLY AIR



SIDE VIEW



REAR VIEW - RETURN AIR

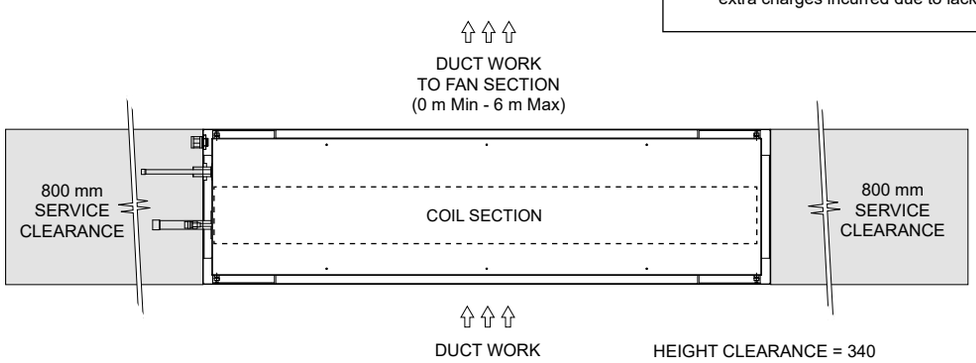
UNIT MODEL NUMBER	UNIT WEIGHT (kg)
EAA160S	29

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 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.
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

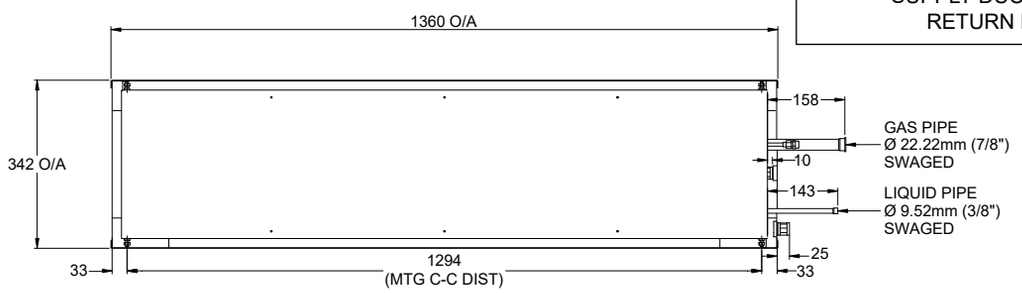
ActronAir

UNIT DIMENSIONS

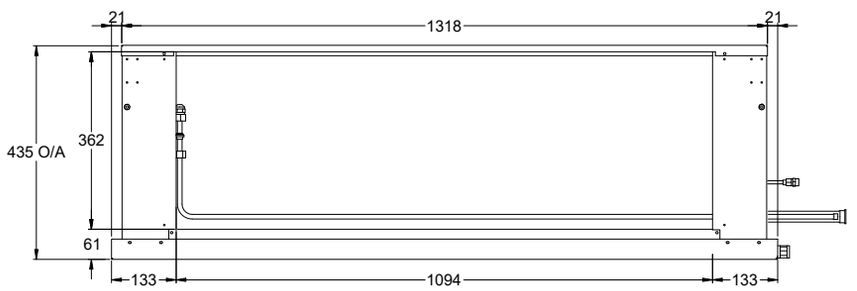
EAA180S

A COIL SECTION

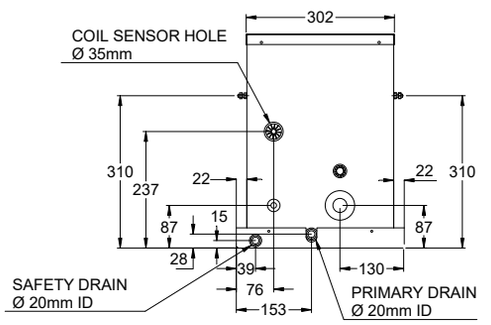
OVERALL NOMINAL DIMENSION (H x W x D)
= 435 x 1360 x 342
SUPPLY DUCT (H x W) = 362 x 1094
RETURN DUCT = 362 x 1094



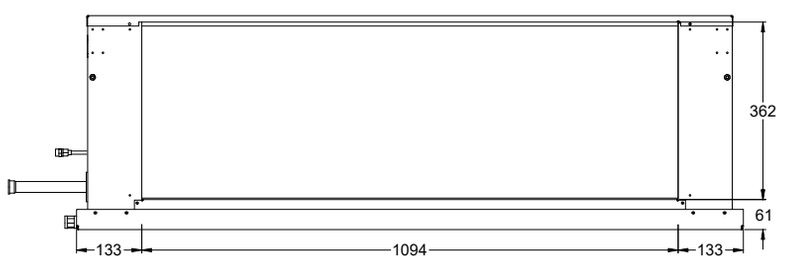
TOP VIEW



FRONT VIEW - SUPPLY AIR



SIDE VIEW



REAR VIEW - RETURN AIR

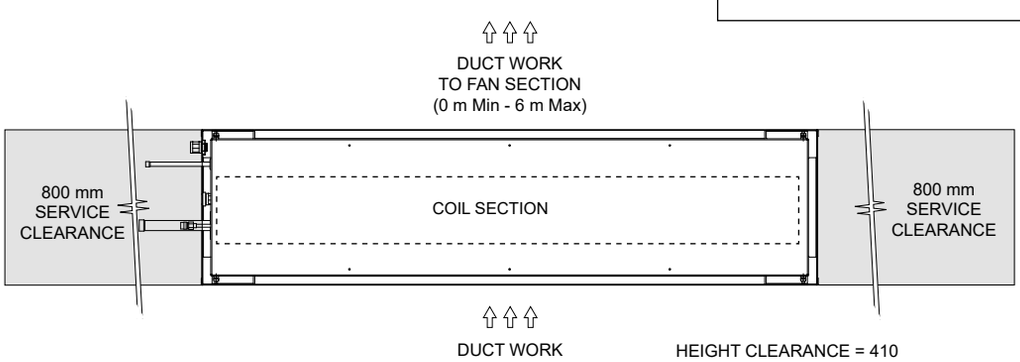
UNIT MODEL NUMBER	UNIT WEIGHT (kg)
EAA180S	39

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 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.
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

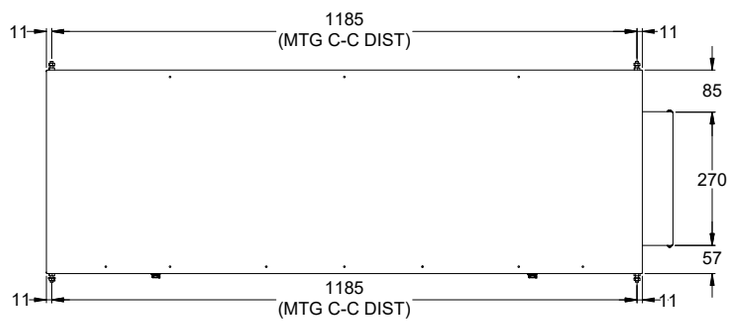


TOP VIEW

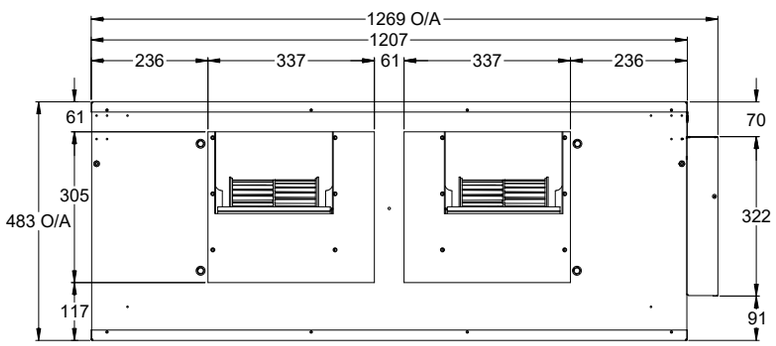
TWO - PIECE FAN COIL
STD SPLIT MODELS

F FAN SECTION

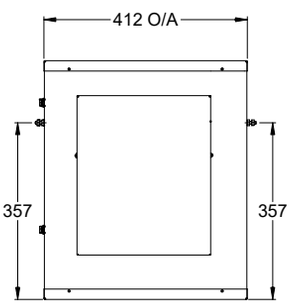
OVERALL NOMINAL DIMENSION (H x W x D)
= 483 x 1269 x 412
SUPPLY DUCT (H x W) = 200 x 714
RETURN DUCT (H x W) = 453 x 1095



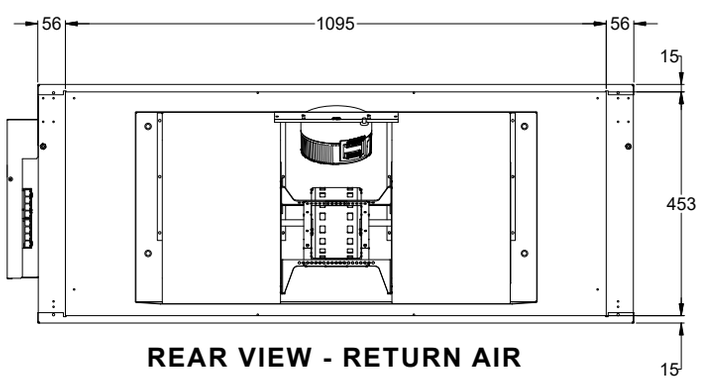
TOP VIEW



FRONT VIEW - SUPPLY AIR



SIDE VIEW



REAR VIEW - RETURN AIR

UNIT MODEL NUMBER	UNIT WEIGHT (kg)
EFV210S / EFV240S	43

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 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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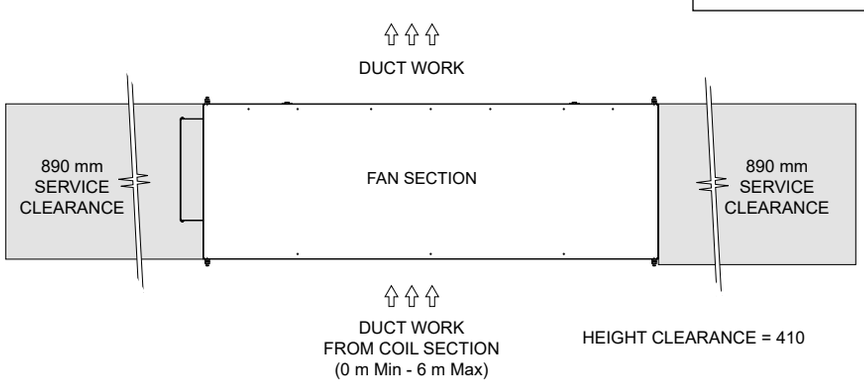
MINIMUM SERVICE ACCESS CLEARANCES



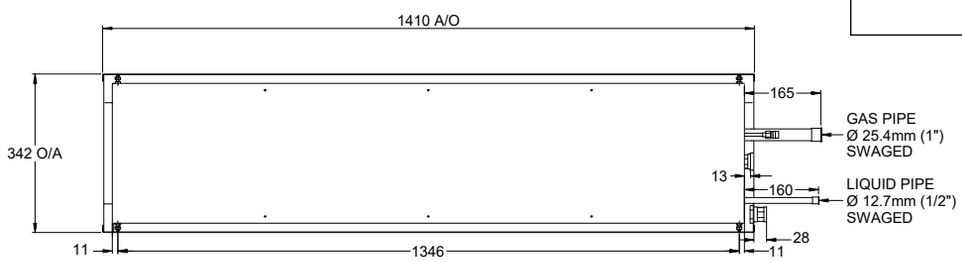
TOP VIEW

UNIT DIMENSIONS

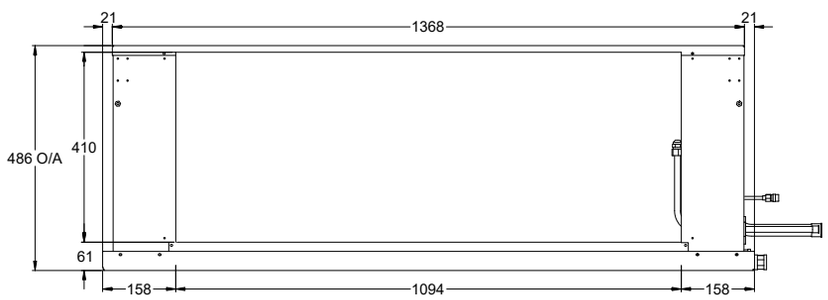
EAA210S / EAA240S

A COIL SECTION

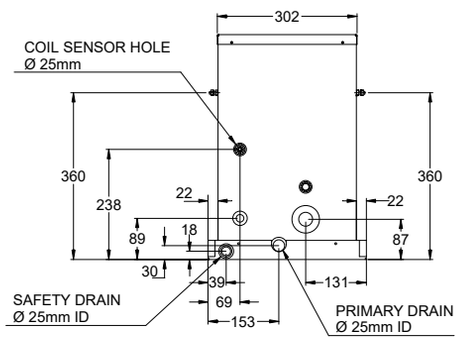
OVERALL NOMINAL DIMENSION (H x W x D)
= 486 x 1410 x 342
SUPPLY DUCT (H x W) = 410 x 1094
RETURN DUCT = 410 x 1094



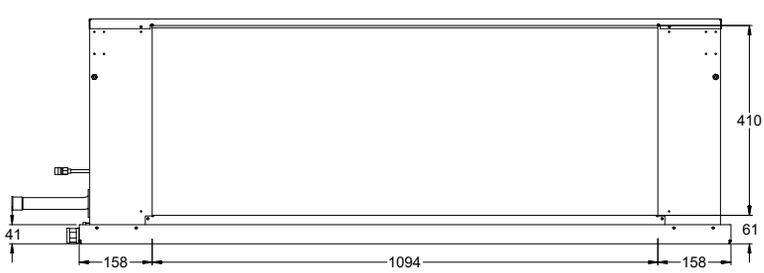
TOP VIEW



FRONT VIEW - SUPPLY AIR



SIDE VIEW



REAR VIEW - RETURN AIR

UNIT MODEL NUMBER	UNIT WEIGHT (kg)
EAA210S	40
EAA240S	43

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 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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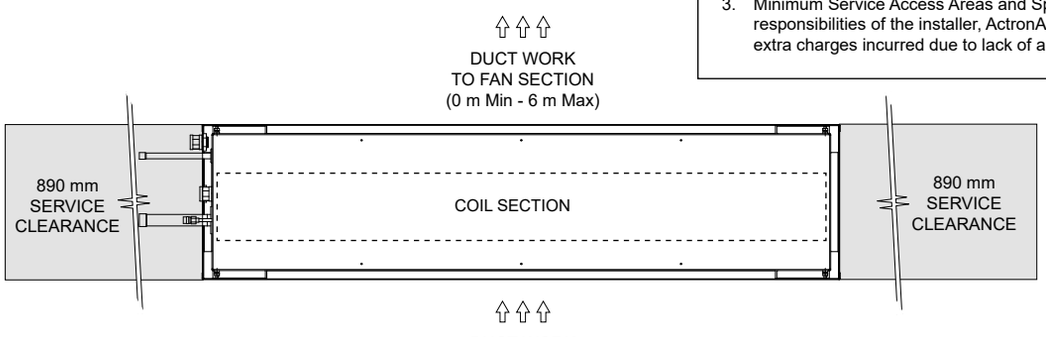
MINIMUM SERVICE ACCESS CLEARANCES



TOP VIEW

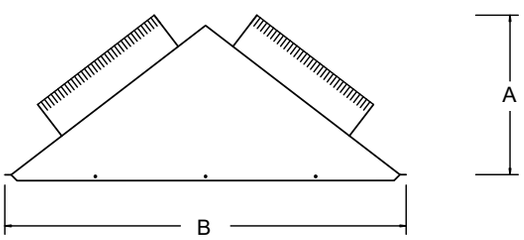
TWO - PIECE FAN COIL
STD SPLIT MODELS

SUPPLY PLENUM / DUCT PLATE OPTIONS - STD SPLIT FAN COIL

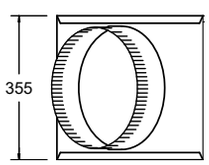
EAA160S-EFV160S EAA180S-EFV180S EAA210S-EFV210S EAA240S-EFV240S

	2 WAY SUPPLY PLENUM			3 WAY SUPPLY PLENUM						TWIN SPIGOT DUCT PLATES		
MODELS	**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-2/400** 2 x 400 mm (16")	**PLDS-2/400** 2 x 400 mm (16")	**PLDT-2/450** 2 x 450 mm (18")
EAA160S	-	-	-	-	-	-	-	-	-	✓	-	-
EAA180S	-	-	-	-	-	-	-	-	-	-	✓	-
EAA210S	-	-	-	-	-	-	-	-	-	-	-	✓
EAA240S	-	-	-	-	-	-	-	-	-	-	-	✓
EFV160S	✓	✓	-	✓	✓	✓	-	-	-	✓	-	-
EFV180S	✓	✓	-	✓	✓	✓	-	-	-	✓	-	-
EFV210S	-	-	✓	-	-	-	✓	✓	✓	-	-	✓
EFV240S	-	-	✓	-	-	-	✓	✓	✓	-	-	✓
A	385		-	-	-	-	-	-	-	-	-	-
B	965		-	-	-	-	-	-	-	-	-	-
C	-	-	535	-	-	-	-	-	-	-	-	-
D	-	-	1000	-	-	-	-	-	-	-	-	-
E	-	-	-	472			630			-	-	-
F	-	-	-	965			1000			-	-	-
G	-	-	-	355			455			-	-	-
H	-	-	-	-	-	-	-	-	-	962	1158	
I	-	-	-	-	-	-	-	-	-	407	433	483

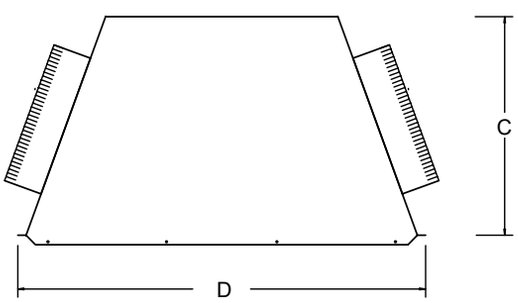
TWO WAY SUPPLY PLENUM



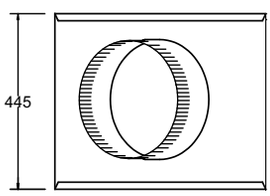
TOP VIEW



SIDE VIEW



TOP VIEW



SIDE VIEW

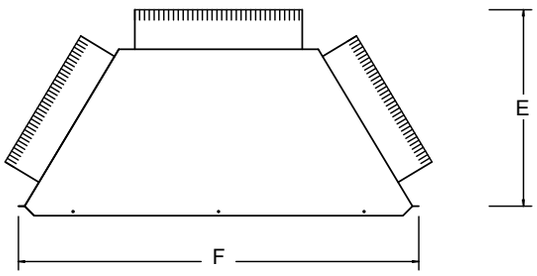
NOTES:

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.

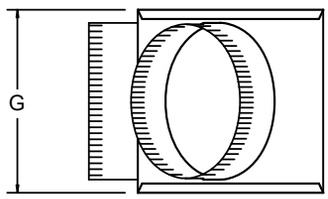
SUPPLY PLENUM / DUCT PLATE OPTIONS - STD SPLIT FAN COIL

EAA160S-EFV160S EAA180S-EFV180S EAA210S-EFV210S EAA240S-EFV240S

THREE WAY SUPPLY PLENUM

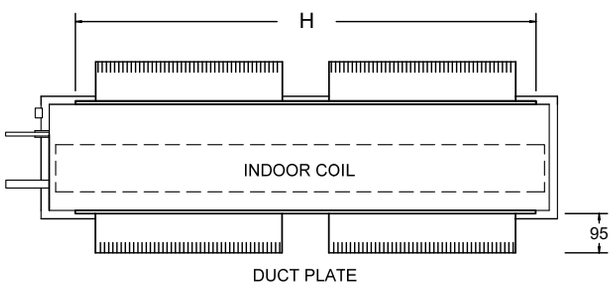


TOP VIEW

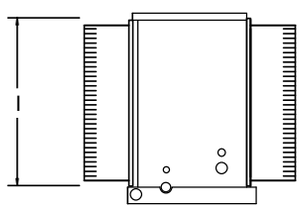


SIDE VIEW

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.