

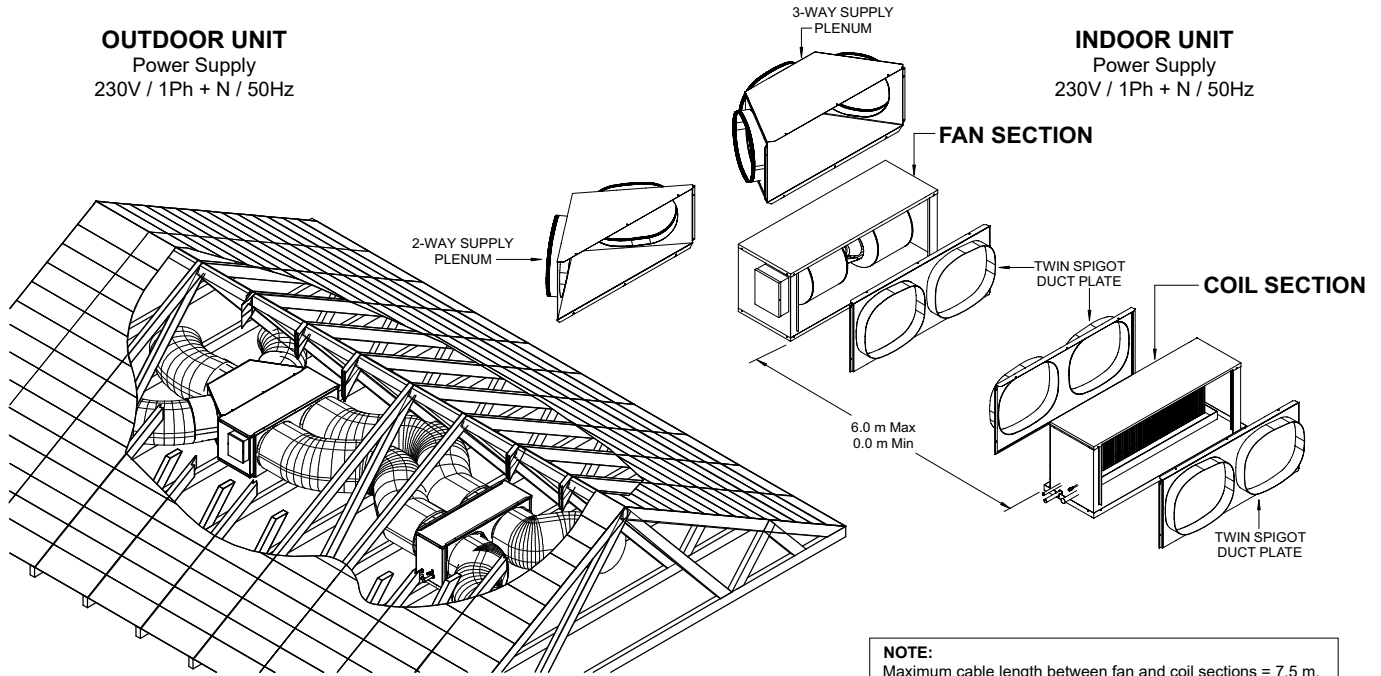
TWO-PIECE FAN COIL ADVANCE MODELS

1-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.
- 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.

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)
CRV140S	EAA140S	EFV140S	12.20	12.80	550 / 630 / 760	15.2 / 1.6 / 16.8	21.2 / 2.4 / 23.6
CRV160S	EAA160S	EFV160S	14.25	14.75	600 / 750 / 900	17.7 / 2.2 / 19.9	24.6 / 3.0 / 27.6
CRV180S	EAA180S	EFV180S	16.30	16.70	680 / 850 / 1020	20.2 / 2.7 / 22.9	27.1 / 3.8 / 30.9

WEIGHTS AND DIMENSIONS									
Coil Section	Weight (kg)	Height (mm)	Depth (mm)	Width (mm)	Fan Section	Weight (kg)	Height (mm)	Depth (mm)	Width (mm)
EAA140S	27	410	342	1242	EFV140S	31	408	362	1072
EAA160S	29	410	342	1252	EFV160S	31	408	362	1072
EAA180S	39	435	342	1360	EFV180S	31	408	362	1072

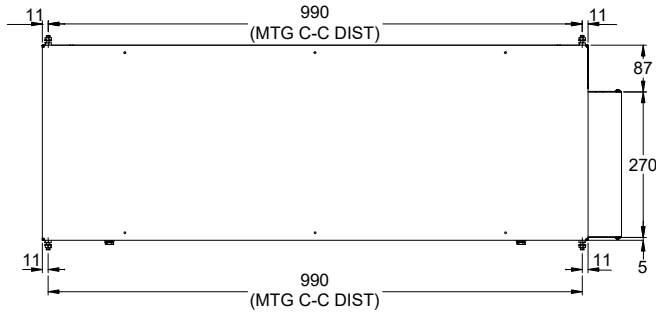
NOTES:

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

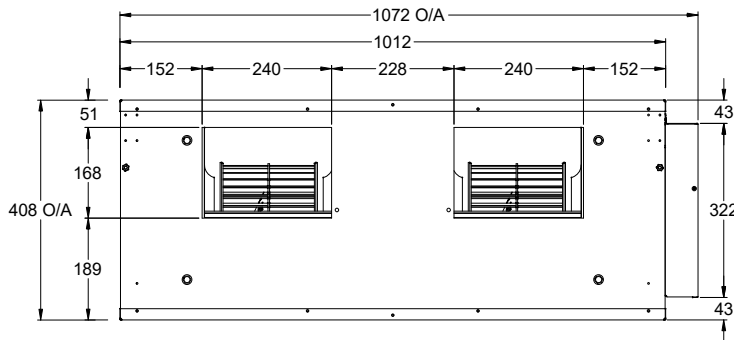
EFV140S/EFV160S/EFV180S

F FAN SECTION

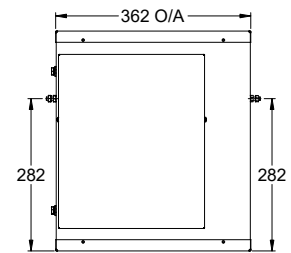


TOP VIEW

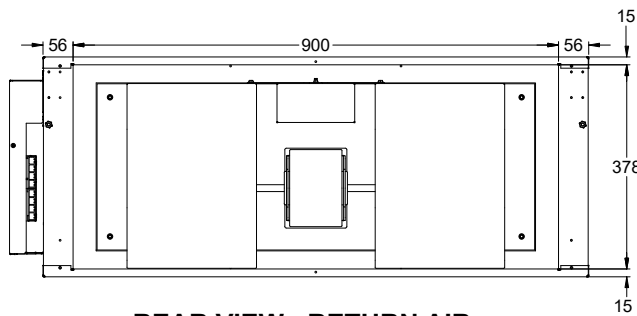
OVERALL NOMINAL DIMENSION (H X W X D)
 = 408 X 1072 X 362
 SUPPLY DUCT (H X W) = 168 X 708
 RETURN DUCT = 378 X 900



FRONT VIEW - SUPPLY AIR



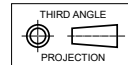
SIDE VIEW



REAR VIEW - RETURN AIR

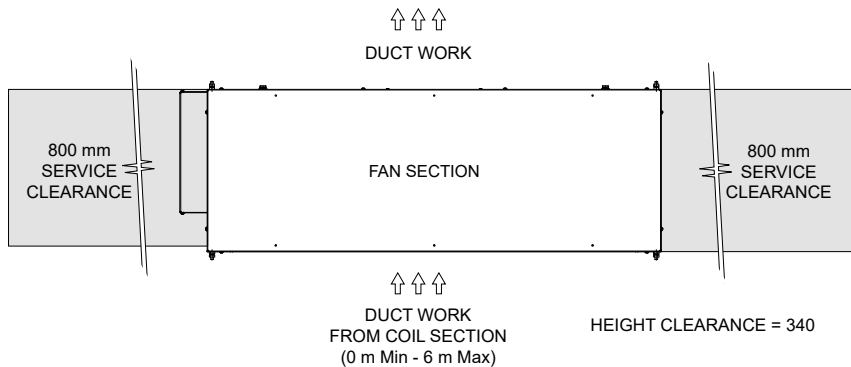
UNIT MODEL NUMBER	UNIT WEIGHT (kg)
EFV140S / EFV160S / EFV180S	31

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

TWO - PIECE FAN COIL
 STD SPLIT MODELS



UNIT DIMENSIONS

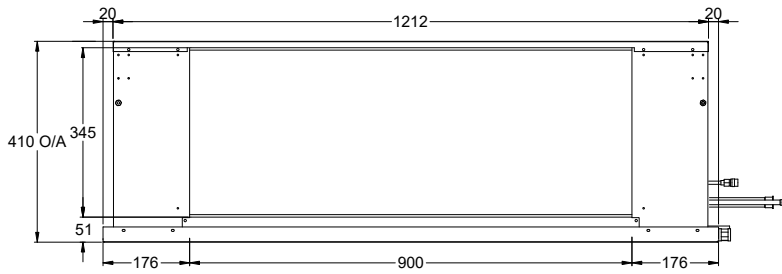
EAA140S / EAA160S

A COIL SECTION

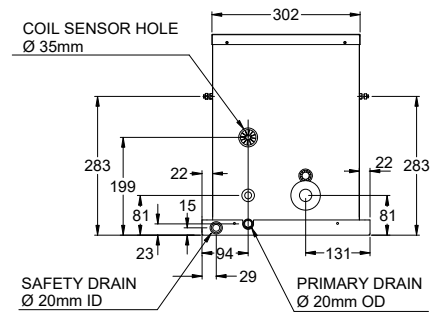
OVERALL NOMINAL DIMENSION (H x W x D)
 = 410 x 1252 x 342
 SUPPLY DUCT (H x W) = 345 x 900
 RETURN DUCT = 345 x 900



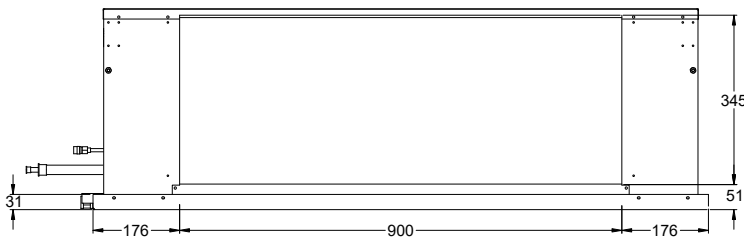
TOP VIEW



FRONT VIEW - SUPPLY AIR



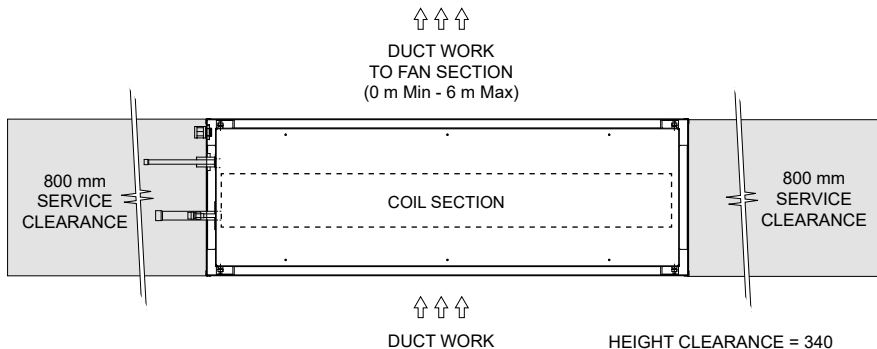
SIDE VIEW



REAR VIEW - RETURN AIR

UNIT MODEL NUMBER	UNIT WEIGHT (kg)
EAA140S	27
EAA160S	29

MINIMUM SERVICE ACCESS CLEARANCES



TOP VIEW

THIRD ANGLE PROJECTION

NOTES:

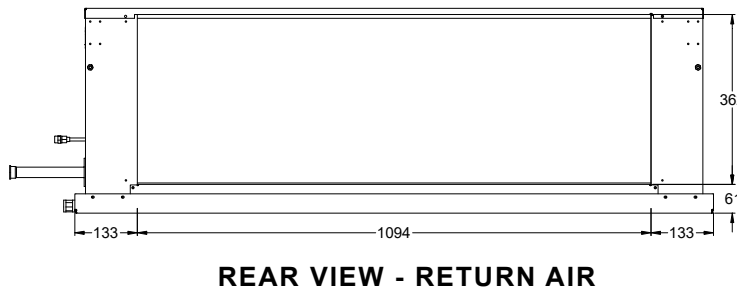
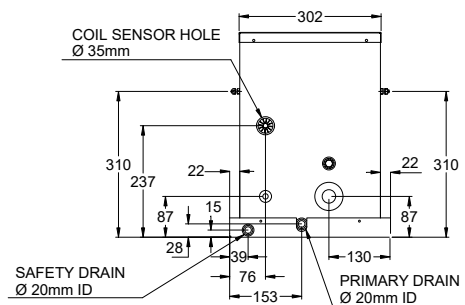
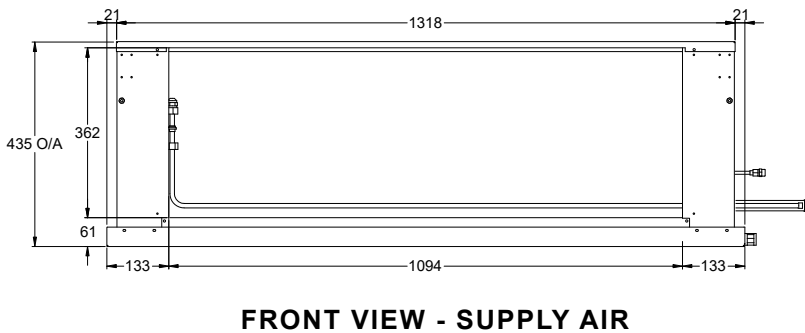
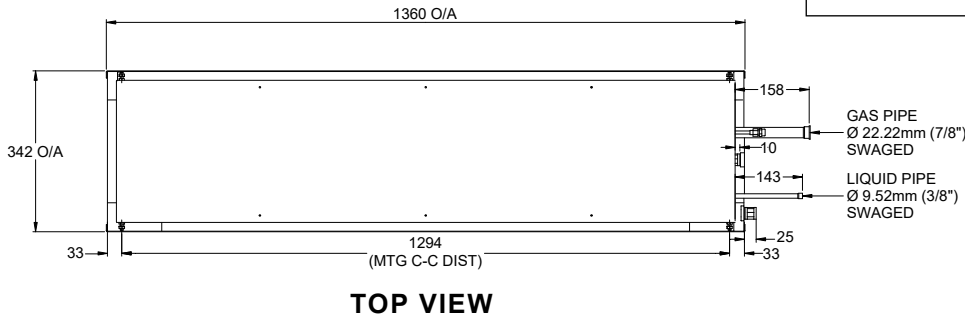
- Do not scale drawing. All dimensions are in mm unless specified. Refer to corresponding unit dimensional drawing for mounting hole details.
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- Minimum Service Access Areas and spaces for Airflow Clearances are responsibilities of the installer, ActronAir will not be held liable for any extra charges incurred due to lack of access and space for airflow.



TWO - PIECE FAN COIL
 STD SPLIT MODELS

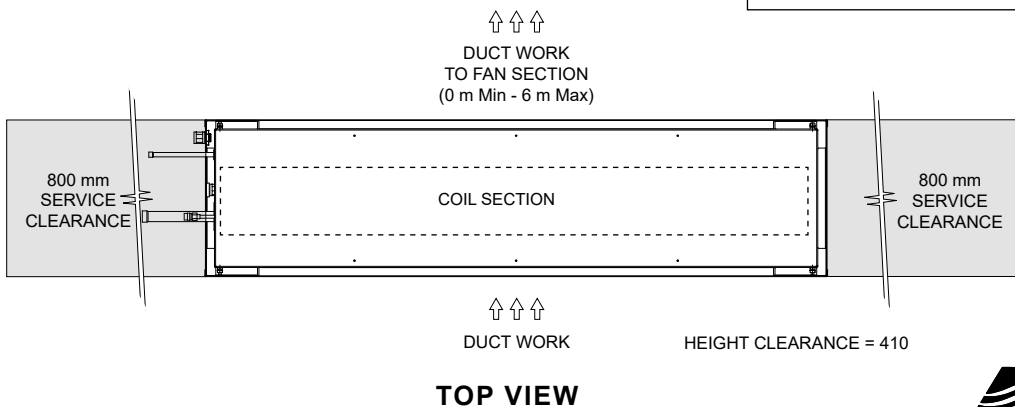
A COIL SECTION

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



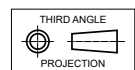
UNIT MODEL NUMBER	UNIT WEIGHT (kg)
EAA180S	39

MINIMUM SERVICE ACCESS CLEARANCES



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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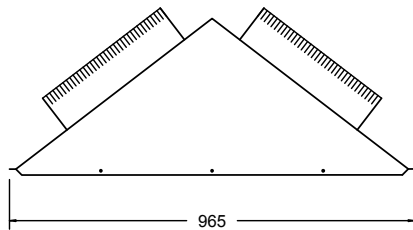


SUPPLY PLENUM / DUCT PLATE OPTIONS - STD SPLIT FAN COIL

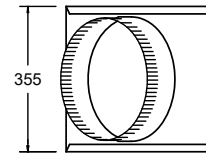
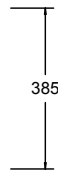
EAA140S-EFV140S EAA160S-EFV160S EAA180S-EFV180S

MODELS	2 WAY SUPPLY PLENUM		3 WAY SUPPLY PLENUM			TWIN SPIGOT DUCT PLATES	
	PL18S-2/35S 2 x 350 mm (14")	PL20S-2/40S 2 x 400 mm (16")	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")	PLDP-2/400 2 x 400 mm (16")	PLDS-2/400 2 x 400 mm (16")
EAA140S	-	-	-	-	-	✓	-
EAA160S	-	-	-	-	-	✓	-
EAA180S	-	-	-	-	-	-	✓
EFV140S	✓	✓	✓	✓	✓	✓	-
EFV160S	✓	✓	✓	✓	✓	✓	-
EFV180S	✓	✓	✓	✓	✓	✓	-
A	-	-	-	-	-	962	1158
B	-	-	-	-	-	407	433

TWO WAY SUPPLY PLENUM

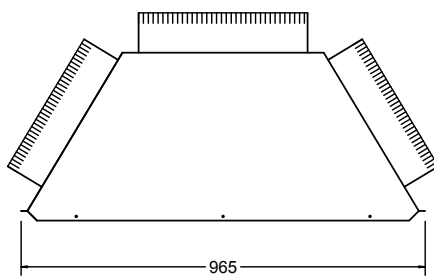


TOP VIEW

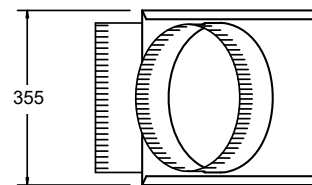
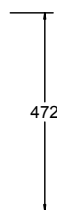


SIDE VIEW

THREE WAY SUPPLY PLENUM



TOP VIEW



SIDE VIEW

NOTES:

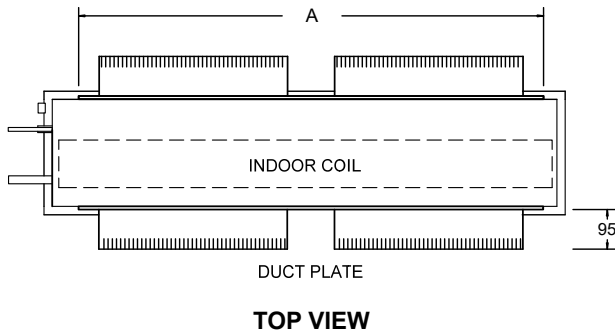
1. For air flow purposes, please refer to supply and return air matrix for details of required number of spigots in operation.
2. All dimensions are in mm unless specified.
3. Do not scale drawing.



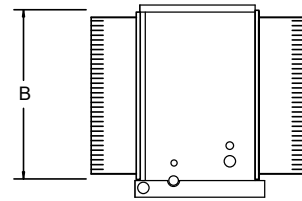
SUPPLY PLENUM / DUCT PLATE OPTIONS - STD SPLIT FAN COIL

EAA140S-EFV140S EAA160S-EFV160S EAA180S-EFV180S

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.