

OMEGA VRF AIR HANDLING UNIT

SUBMITTAL DATA

208~230V/3/50Hz

Job: _____
Location: _____
Schedule No.: _____
System Designation: _____

Engineer: _____
Architect: _____
Date: _____
For Reference Approval Review Construction

FEATURES

- Build-in VRF Control.
- Build-in EXV.
- Belt Drive.
- High Static Design.
- Variable Pitch Motor Pulley.
- Adjustable Fan Position.



Specifications

VRF AIR HANDLING UNIT

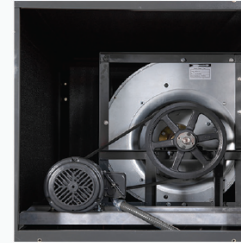
MODEL NO.	VEVA	008Q 9A-TCV280	010Q 9A-TCV335	015Q 9A-TCV500	020Q 9A-TCV670	025Q 9A-TCV900	030Q 9A-TCV1060	035Q 9A-TCV1230	040Q 9A-TCV1400
Cooling Capacity	BTU/h (kW)	96,000 (28.0)	115,000 (33.5)	171,000 (50.0)	230,000 (67.0)	307,000 (90.0)	362,000 (106.0)	420,000 (123.0)	480,000 (140.0)
Refrigerant Control	Electronic Expansion Valve Factory Install								
Coil Type	Grooved Cooper Tubes - Aluminum Blue Slit Fin								
Electrical	Voltage-Phase	208-230/460V - 3 Ph							
	Frequency	N/A - 3D							
	FLA	5.4-5.2/2.6	5.9-5.7/2.8	10.0-9.6/4.8	15.8-15.2/7.6	15.8-15.2/7.6	22.9-22.0/11.0	21.0-19.0/9.6	26.5-23.9/12.0
	Power Input (W) / (hp)	1120 / 1 1/2	1490 / 2	2240 / 3	3730 / 5	3730 / 5	5600 / 7 1/2	5600 / 7 1/2	7460 / 10
Air Filter	Cleanable Cartridge Type								
Fan	Type	Centrifugal Fan							
	Speed	Variable-Speed (VFD Drive) (optional)							
	Qty	1	1						
	Air Flow CFM (m³/hr) (Nom)	3,200 (5,400)	4,000 (6,800)	6,000 (10,200)	8,000 (13,600)	10,000 (17,000)	12,000 (20,400)	14,000 (23,800)	16,000 (27,200)
	Esp Range in-wt / (Pa)	0 - 2.0 (0 - 500)							
Refrigerant Connections inches (mm)	Type	Sweat							
	Liquid	1/2 (12.7)	1/2 (12.7)	3/4 (19.05)	3/4 (19.05)	7/8 (22.2)	2 x 5/8 (15.9)	2 x 5/8 (15.9)	2 x 5/8 (15.9)
	Suction	1 1/8 (28.6)	1 1/8 (28.6)	1 1/8 (28.6)	1 3/8 (34.9)	1 5/8 (41.3)	2 x 1 3/8 (34.9)	2 x 1 3/8 (34.9)	2 x 1 3/8 (34.9)
Drain Connections inches (mm)		1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)
Dimensions inches (mm)	Height	63 3/4 (1620)	63 3/4 (1620)	71 5/8 (1820)	71 5/8 (1820)	77 1/2 (1970)	77 1/2 (1970)	77 1/2 (1970)	86 5/8 (2200)
	Width	45 7/8 (1165)	53 3/4 (1365)	69 1/2 (1765)	88 5/8 (2250)	88 5/8 (2250)	100 (2540)	100 (2540)	100 (2540)
	Depth	31 1/2 (800)	31 1/2 (800)	35 1/2 (900)	35 1/2 (900)	35 1/2 (900)	35 1/2 (900)	35 1/2 (900)	39 3/8 (1000)
Net Weight Lbs (kgs)		497 (226)	517 (235)	680 (310)	790 (360)	814 (370)	1010 (460)	926 (420)	1213 (550)



VFD Control
Pre-Wired



Built-in
Control Panel

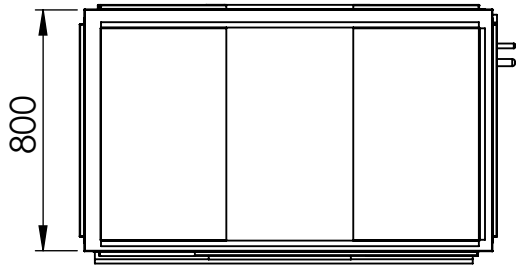


Belt Drive

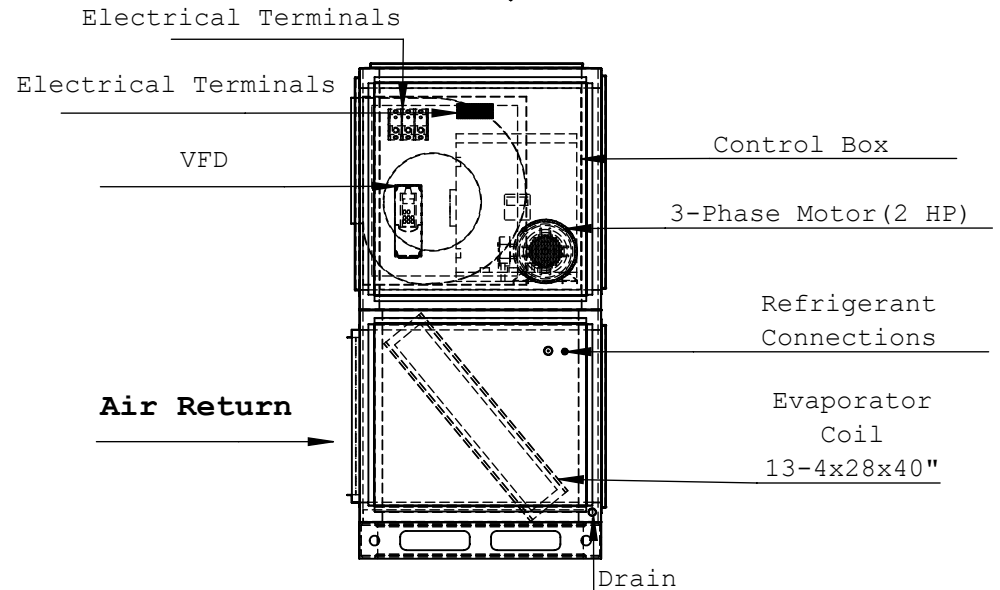
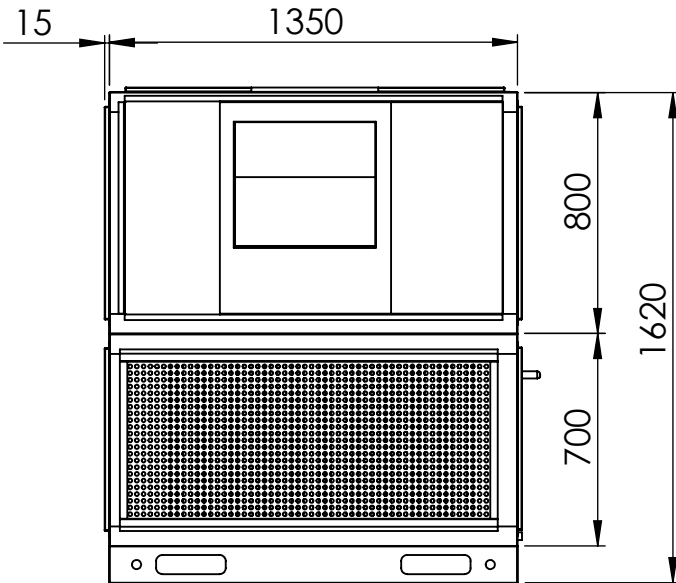
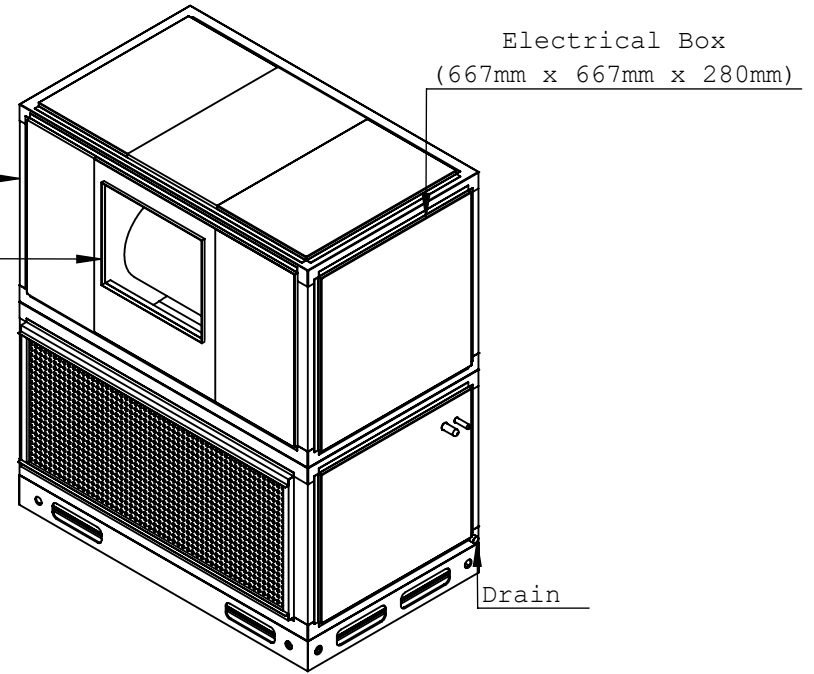


Blower Assembly

Dimensions

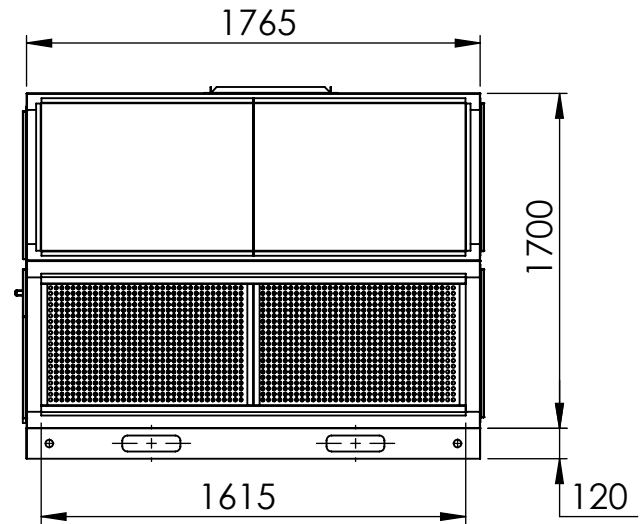
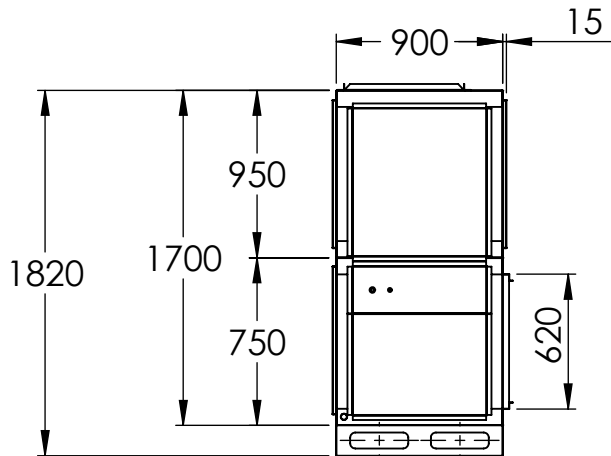
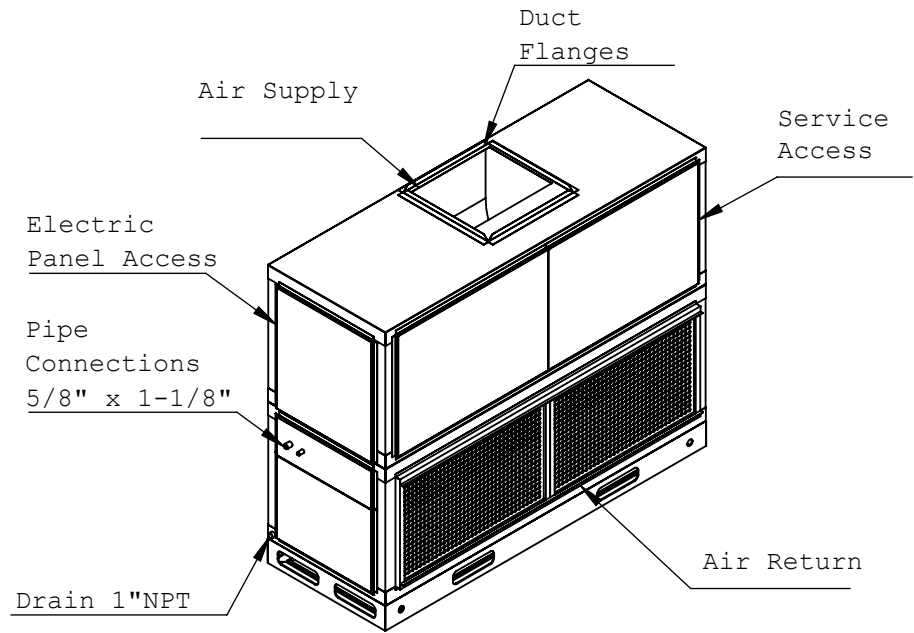
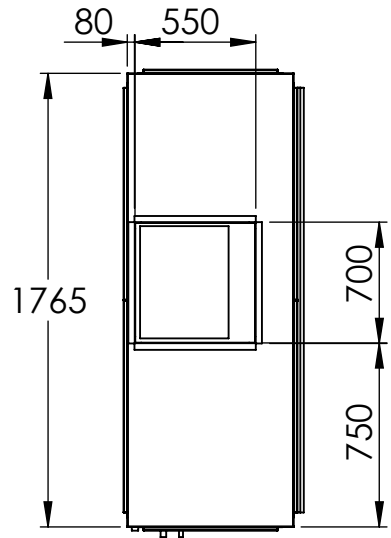


Access Panel
Blower Size 15"x15"
Air Supply



Model No: VEVA010Q9A-TCV335	VRF AIR HANDLING UNIT Built-inVFD & VRF Controller			Draw by:	Approved By:	 The Art of Comfort	
Cooling Cap.: %&\$,000 (Btuh)				E. Granado	O. Basar		
Pipe Conections: %/&" - 1 1/8"				Date: 04/18/2022			
Unit Weight: 517 Lbs	Project:	Country:		UNIT: mm/inch		SCALE:1:30	PAG.1 of 1

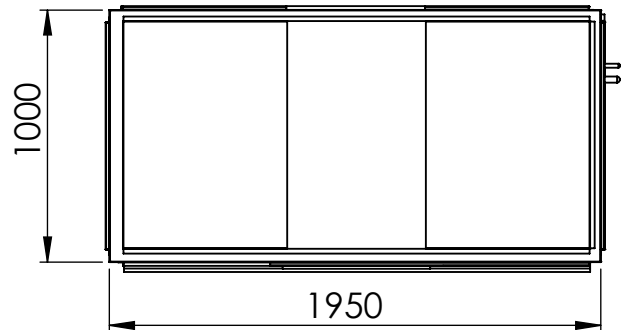
Dimensions



MODELO	BLOWER	MOTOR HP	Coil Details
VEVA015Q5A-TCV450	18"X18"	5HP	14-4x28"x60"

Model No: VEVA015Q9A-TCV500	VRF AIR HANDLING UNIT Built-inVFD & VRF Controller			Draw by:	Approved By:	 The Art of Comfort
				E. Granado	O. Basar	
Cooling Cap.: 85,000 (Btuh)	Voltage:220V/3/60Hz	Project:	Country:	Date: 04/18/2022		
Pipe Conections: 5/8" - 1 1/8"				UNIT:mm/inch	SCALE:1:30	
Unit Weight: 680 Lbs						

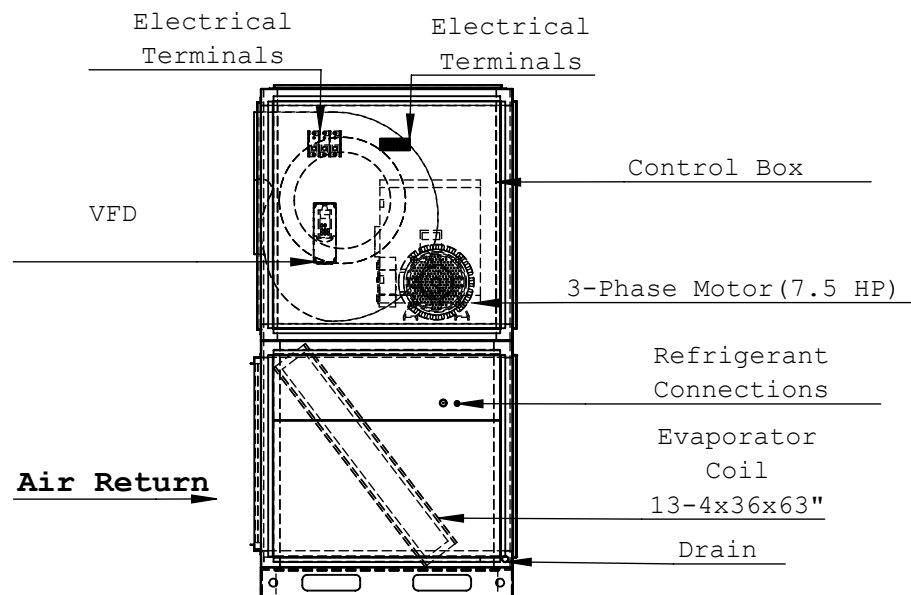
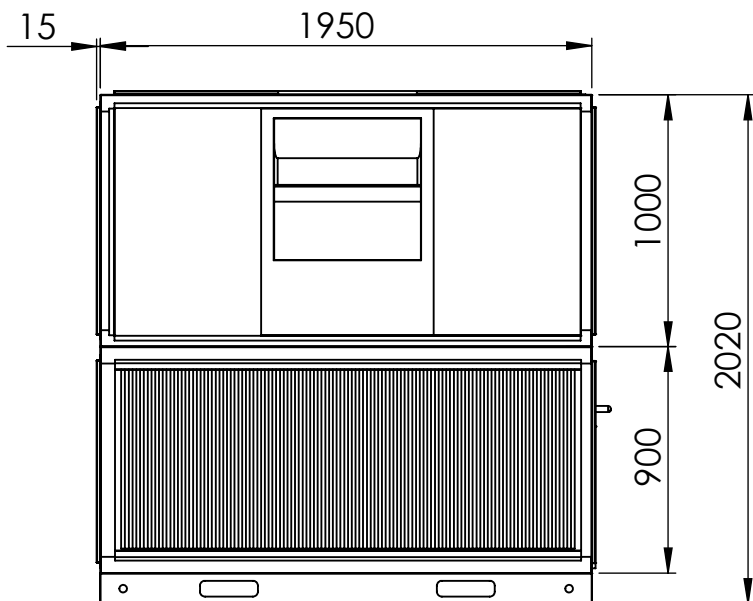
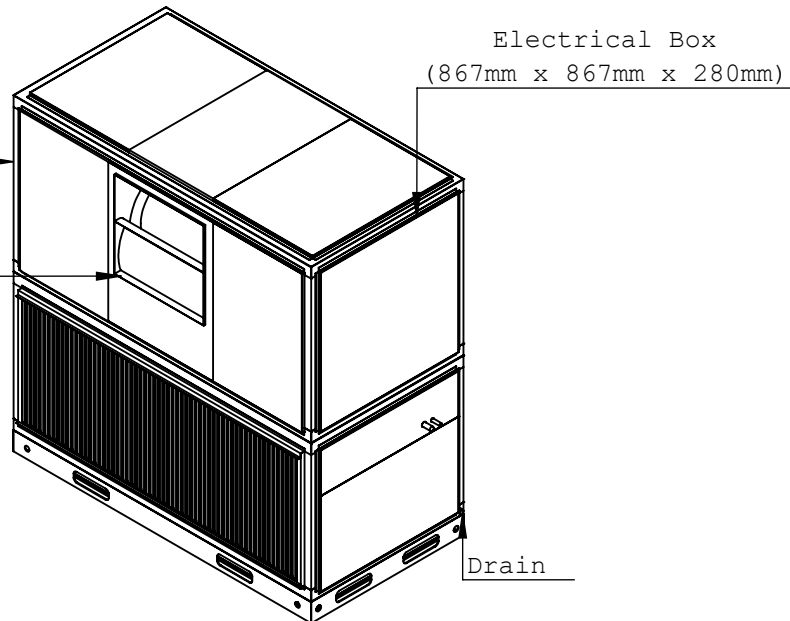
Dimensions



Access Panel

Suministro de aire blower 20"x20"

Air Supply



Model No: VEVA020Q9A-TCV670

Cooling Cap.: 240,000 (Btuh)

Pipe Conections: 3/4" - 1 1/8"

Unit Weight: 790 Lbs

VRF AIR HANDLING UNIT Built-inVFD & VRF Controller

Project:

Country:

Draw by:

E. Granado

Approved By:

O. Basar

Date: 0*/28/202%

UNIT: mm/inch

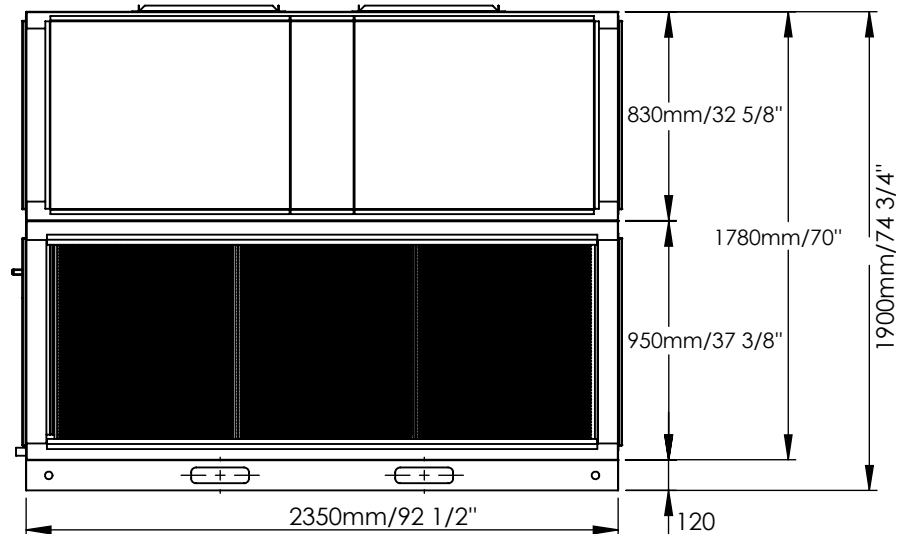
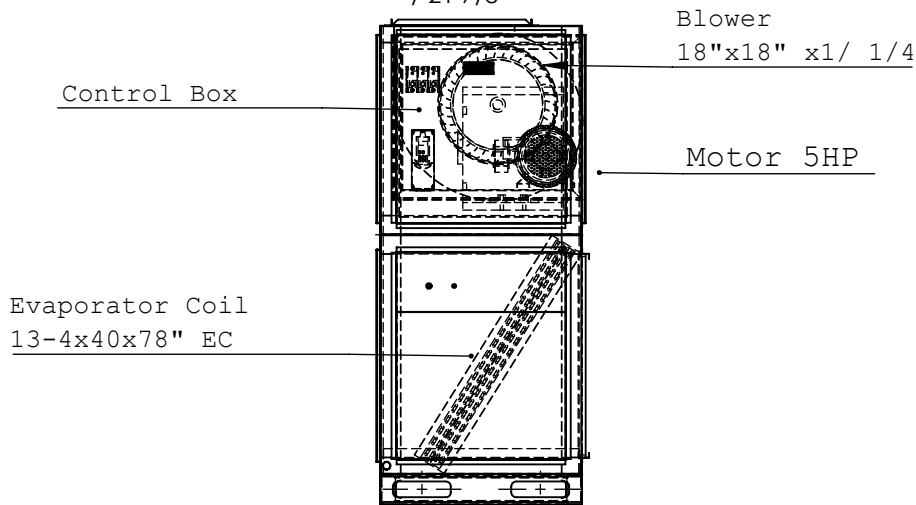
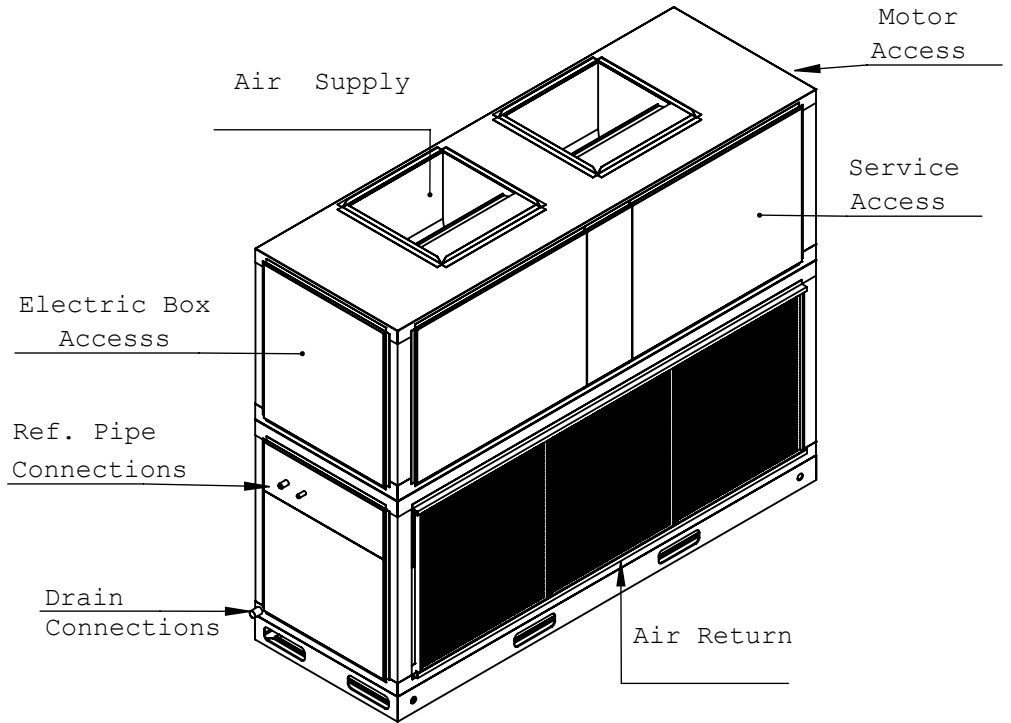
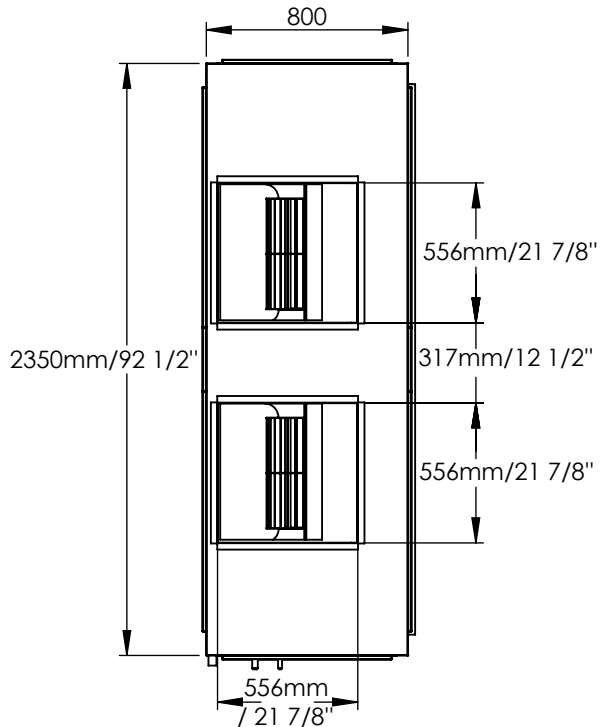


The Art of Comfort

SCALE:1:30

PAG.1 of 1

Dimensions



Model No: VEVA025Q9A-TCV900	VRF AIR HANDLING UNIT			Draw by:	Approved By:	<p>The Art of Comfort</p>	
Cooling Cap.: 307,000 (Btuh)	Built-inVFD & VRF Controller			E. Granado	O. Basar		
Pipe Conections: 7/8" - 1 5/8"	Project:	Country:		Date: 02/28/2020			
Unit Weight: 815 Lbs				UNIT: mm/inch	SCALE: 1:30	PAG.1 of 1	