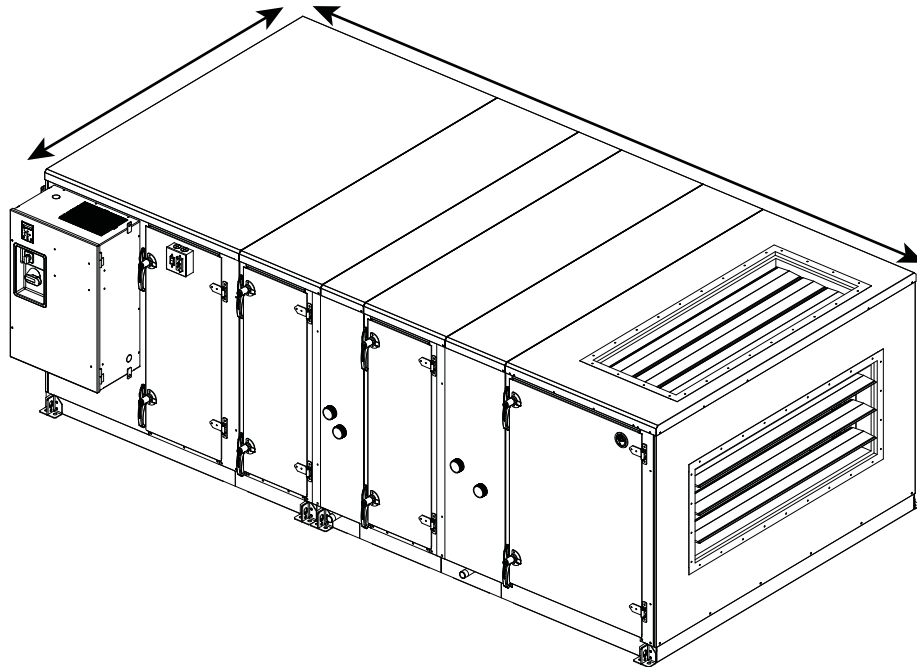




Product Catalog

Performance Climate Changer™ CSAA Air Handlers Dimensional Data for Sizes 3-120 Indoor and Outdoor Units





Introduction

Performance Climate Changer™ air handlers combine the Trane tradition of engineering excellence with the latest in manufacturing technology to give you an energy efficient air handler with superior performance, the highest quality and reliability, and the lowest installed cost in the industry. This air handler was designed to incorporate such features as component flexibility, integrated control options, and proven performance to give you the optimal system to clean, filter, dehumidify, heat, and cool your building.

Superior Performance

- ASHRAE 111 Class 6 low-leak casing design achieving less than 1.0 percent leakage rate at +/- 8 inches w.g.
- Less than L/240 @ +/- 8 inches w.g. panel and door deflection
- 2-inch R13 foam-insulated, mid-span thermal break panels and thermal break doors
- Casing thermal resistance ratio TR-value of 0.6
- New filter technology that exceeds LEED requirements and reduces filter pressure drops up to 50 percent versus previous designs

Industry-Leading Energy Efficiency

- AMCA 611-certified Traq airflow monitoring station
- Economizer section meets or exceeds all mandatory requirements prescribed by California Building Energy Efficiency Standard Title 24.
- Total energy-recovery wheels
- Cool Dry Quiet (CDQ™) desiccant dehumidification wheels
- Discharge plenums and plenum fan sections available with variable size, type, and location of openings to reduce static pressure loss and lower energy consumption
- 50,000 hour LED service lights
- Low-leak, high thermal performance casing design
- All airfoil-bladed and Traq dampers meet ASHRAE 90.1 lowest specified leakage requirements
- High-efficiency coil fins deliver superior heat transfer while allowing face velocities in excess of 625 fpm without moisture carryover

System Optimization

- Optimal design to meet the Trane EarthWise™ design philosophy incorporating high-efficiency air handlers and water chillers with low flow rates and low temperatures.
- Factory-engineered, -mounted, and -tested control packages with properly sealed casing openings.
- Variety of coil types with high-efficiency coil fins allow lower coil approach temperature and reduce chance of moisture carryover
- Ability to choose the exact number of fins per foot of coil surface to enhance heat transfer and air pressure performance
- Wide array of fan options including motorized impellers, direct-drive plenum fans, belt-drive plenum fans, and housed fans
- Control options to easily incorporate fan pressurization and demand control ventilation strategies.
- Design and analysis tools provide whole building analysis, acoustical design guidance, equipment performance data, and suggested control strategies to help achieve optimum system design with tailored energy, IAQ, and project budget solutions.

Highest Quality

- UL/CUL listed
- AHRI Standard 430-certified air-handling unit
- AHRI Standard 410-certified coils are all factory tested
- AHRI Standard 1060-certified energy wheels
- All fans are dynamically balanced in the horizontal and vertical planes
- All fans with VFDs undergo inverter balancing
- Formulated panels and integral base frame minimize seams that could introduce air leak paths
- Integrated raceway for wiring protection
- Integrated, fully-enclosed control panel for starters, VFDs, and unit-mounted controllers
- Pre-engineered, factory-mounted controls, including end devices, motor controllers, VFDs, unit-mounted DDC controllers, Traq™ damper ventilation control section, UL-listed turnkey control packages

Lowest Installed Cost

- Lifting lugs included on the integral base frame
 - Indoor units ship with skid designed for forklift transport
 - Variable height, size, type, and location of openings on discharge plenums minimize duct transitions
 - Factory-installed interoperable controls shorten construction cycles, simplify job-site coordination, reduce installation time and expense, and provide single-source responsibility for warranty and service issues
 - Single-point power is available with high-voltage distribution block and external main unit disconnect with lockout/tagout capabilities.
 - External service module with 15 amp GFCI receptacle, light switch
 - Controller display and communications port
 - Quick-connect wiring minimizes installation costs and provides wiring integrity between sections
 - Factory-installed conduit connectors eliminate penetrations in the wrong location
 - Motor leads can be run through flexible metal conduits to external motor junction box.
 - Building Information Modeling (BIM) drawings to minimize jobsite ductwork, electrical, piping and structural interference
- Duct supports designed into factory roof curbs for pre-connection of ductwork

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Revision History

Updated the Service clearance for control box figure and table in dimensions chapter.



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Dimensions

Service Clearance Recommendations

A minimum clearance of the section width plus 12 inches on the access door side of the heat section is recommended for routine maintenance. This clearance provides enough room to replace the heat exchanger in the event of failure. The section side panels must be removed to access the heat exchanger. Refer to figure below for service clearance recommendations for the air handler.

Figure 1. Service clearance for indoor units

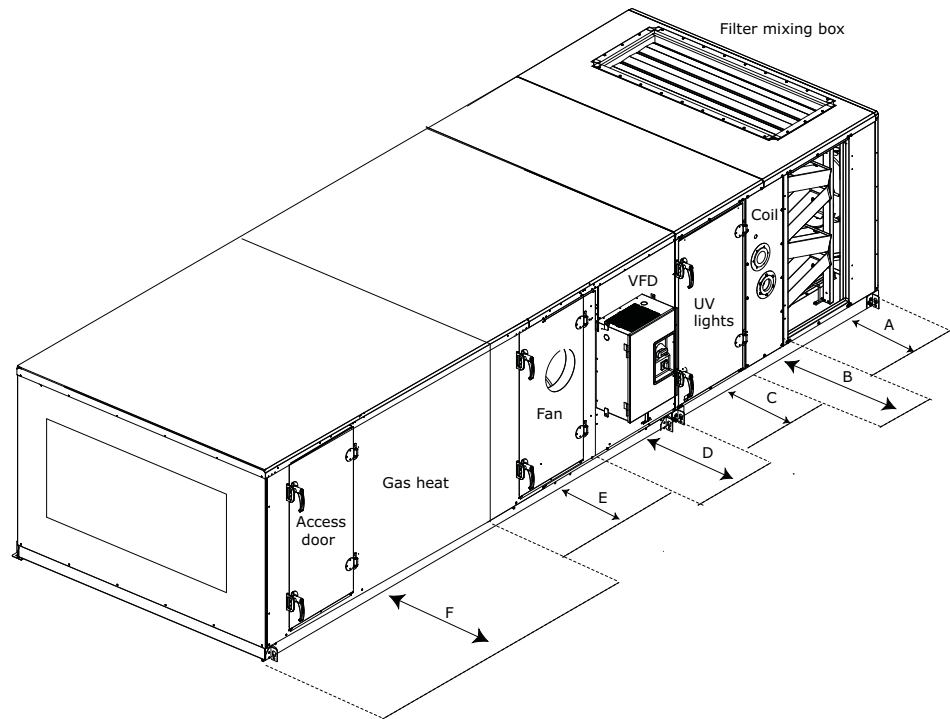


Table 1. Service clearance dimensions (inches)

Component	3	4	6	8	10	12	14	17	21	25
A (filter)	48	48	48	48	48	48	48	48	48	48
B (coil, humidifier)	48	59	59	66	77	82	87	87	95	95
B (staggered coil)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	67	67
B (electric heat)	43	52	50	56	67	72	78	78	86	85
C (UV Lights)	48	48	48	48	48	48	48	48	48	48
C (TCACS)	43	59	59	63	75	81	83	83	58	58
D (external motor control or low voltage panel)	61	61	61	61	61	61	61	61	64	64
D (internal starter or VFD)	48	48	48	48	48	48	48	48	48	48
E (fan)	48	48	48	48	51	54	58	61	60	66
F (gas heat Ext Vestibule)	n/a	n/a	89	90	108	100	100	105	115	115
F (gas heat Int Vestibule)	n/a	56	56	63	74	79	84	84	92	92

Component	30	35	40	50	57	66	80	100	120
A (filter)	48	48	48	48	48	52	56	58	58
B (coil, humidifier)	109	115	128	141	141	156	156	170	197
B (staggered coil)	76	80	88	96	96	n/a	105	105	113
B (electric heat)	99	103	115	128	128	n/a	143	n/a	n/a
C (UV Lights)	48	48	48	48	48	52	56	58	58
C (TCACS)	83	75	83	83	83	83	83	75	83
D (external motor control or low voltage panel)	64	64	64	64	64	64	64	64	64
D (internal starter or VFD)	48	48	48	48	48	48	48	48	48
E (fan)	66	66	70	77	77	93	93	101	101
F (gas heat Ext Vestibule)	118	136	140	156	156	170	179	180	n/a
F (gas heat Int Vestibule)	106	112	125	138	138	153	153	167	194

Note: At a minimum, the above clearance dimensions are recommended on one side of the unit for regular service and maintenance. Refer to as-built submittal for locations of items such as filter access doors, coil, piping connections, motor locations, hoods, pipe cabinets, etc. Sufficient clearance must be provided on all sides of unit for removal of access panels, plug panels, or section-to-section attachment brackets. Clearance for starters, VFDs, or other high-voltage devices must be provided per NEC requirements.

Note: For specific dimensional and weight information, refer to the unit submittals. The dimensions and weights in this manual are approximate. Trane has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.

Dimensions

Figure 2. Service clearance for control box

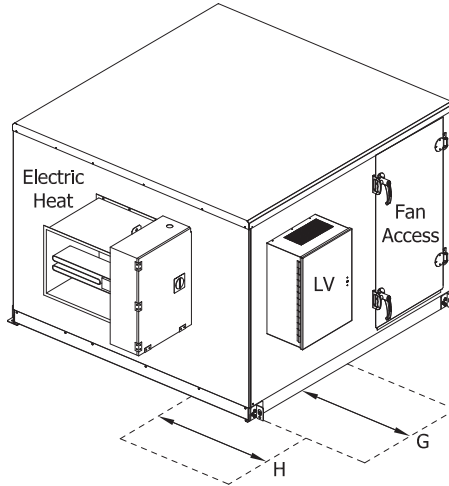


Table 2. Service clearance dimensions (inches) for control box

Component	Unit Size																		
	3	4	6	8	10	12	14	17	21	25	30	35	40	50	57	66	80	100	120
G (LV component - 18 pt term strip)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
G (LV component - > 18 pt term strip)	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
H (electric heat duct mount)	48	48	48	48	48	48	48	48	48	48	48	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Outdoor Unit Dimensions

Figure 3. Outdoor unit

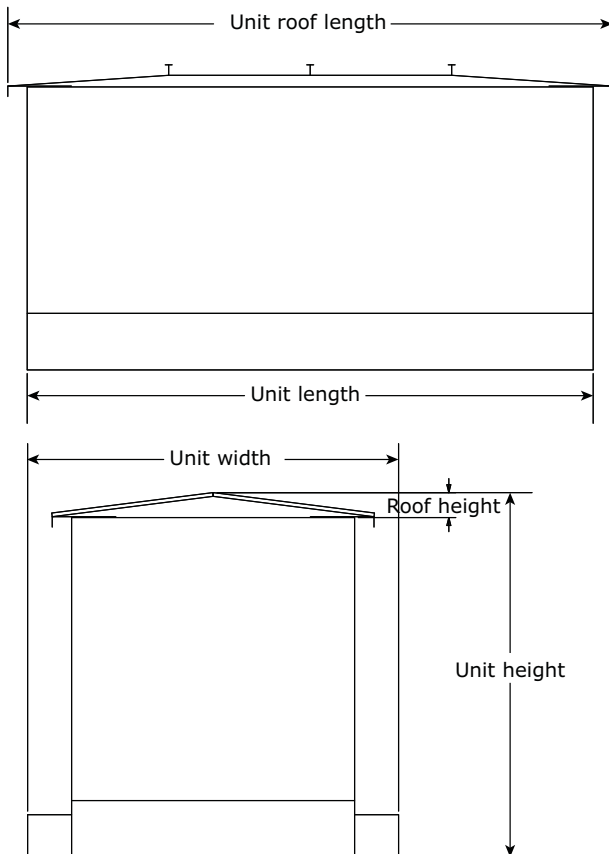


Table 3. Outdoor unit dimensions (inches)

Unit size	Unit width ²	Roof height	Unit height ¹
3	38.31	2.20	37.20
4	50.81	2.33	37.33
6	50.81	2.33	43.58
8	57.31	2.33	46.08
10	68.31	2.33	46.08
12	73.31	2.70	50.20
14	78.81	2.70	50.20
17	78.81	2.70	57.70
21	86.81	2.70	61.45
25	86.81	2.70	70.20
30	100.31	2.70	70.20
35	106.81	2.70	75.95
40	119.31	2.70	75.95
50	132.31	3.58	85.33
57	132.31	3.58	95.08
66	147.31	3.58	102.08
80	147.31	3.58	117.08
100	161.31	3.58	129.33
120	188.81	3.58	129.33

Note: ¹If the unit is installed on a roof curb, there is an additional 0.125-inch height from the drip lip. Unit height includes 6-inch base rail height. ²Unit width is the external unit width plus the lug dimension (6.81 inches). The unit roof length is equal to the total unit length plus 1.5-inch overhand on each end (unit length plus 3 inches).

Access/Turning Section

Figure 4. Access/turning section

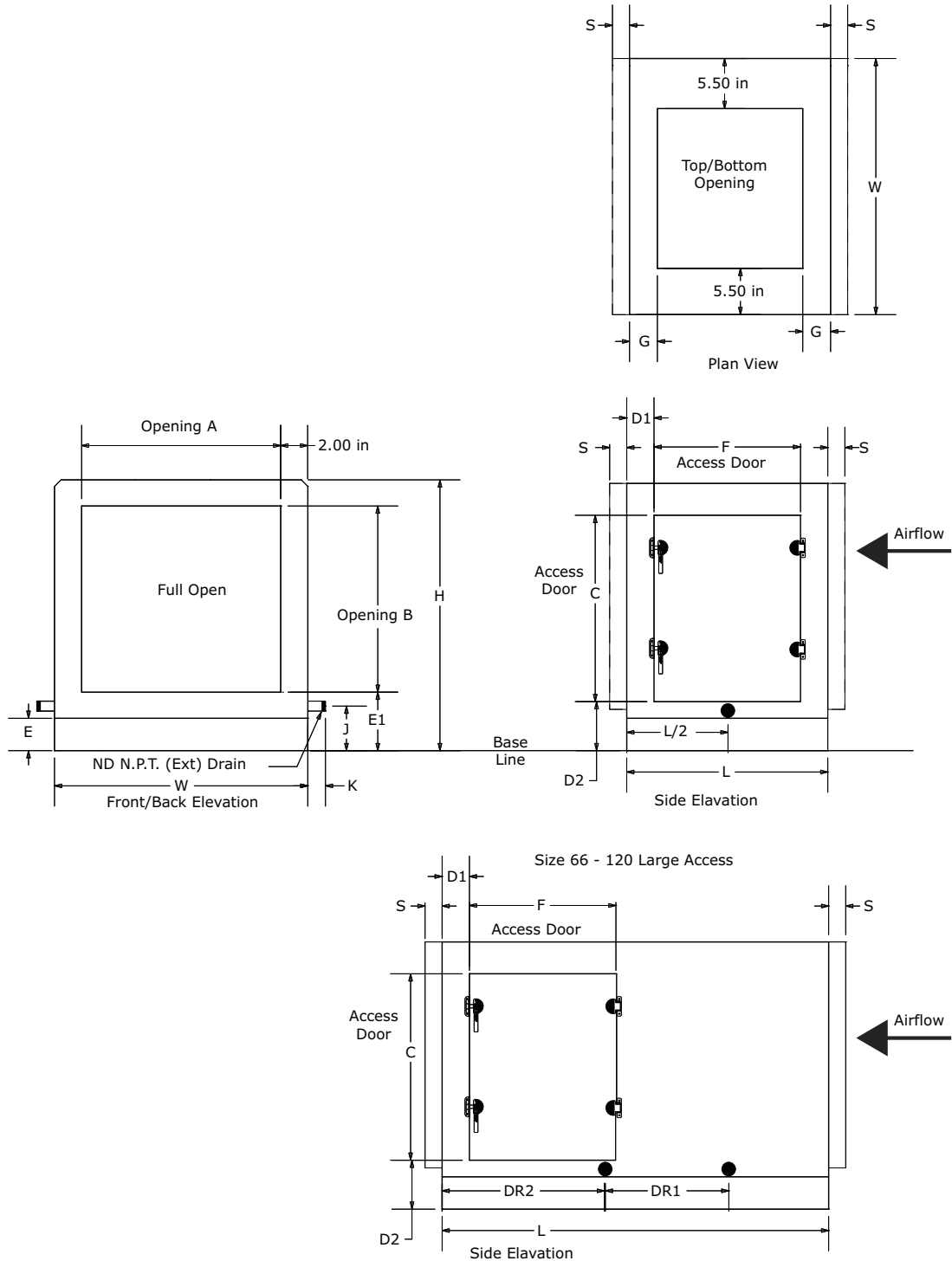


Table 4. Access/turning section dimensions (inches)

Unit Size	W H		Front/Back Opening		Inward Door ⁴			Outward Door ⁵			Base ²		Drain Pan ⁶				Ship Split S ¹	
			A	B	Hinge ³	C	D2	Hinge ³	C	D2	E	E1	J	K	DR2	DR1		NPT
3	31.50	29.00	27.50	22.50	AE	19.38	5.38	AE	22.25	4.25	2.50	4.50	3.38	2.63	n/a	n/a	1.00	1.00
4	44.00	29.00	40.00	22.50	AE	19.38	5.38	AE	22.25	4.25	2.50	4.50	3.38	2.63	n/a	n/a	1.00	1.00
6	44.00	35.25	40.00	28.75	AE	25.63	5.38	AE	28.50	4.25	2.50	4.50	3.38	2.63	n/a	n/a	1.00	1.00
8	50.50	37.75	46.50	31.25	AE	28.13	5.38	AE	31.00	4.25	2.50	4.50	3.38	2.63	n/a	n/a	1.00	1.00
10	61.50	37.75	57.50	31.25	AE	28.13	5.38	AE	31.00	4.25	2.50	4.50	3.38	2.63	n/a	n/a	1.00	1.00
12	66.50	41.50	62.50	35.00	AE	31.88	5.38	AE	34.75	4.25	2.50	4.50	3.38	2.63	n/a	n/a	1.00	1.00
14	72.00	41.50	68.00	35.00	AE	31.88	5.38	AE	34.75	4.25	2.50	4.50	3.38	2.63	n/a	n/a	1.00	1.00
17	72.00	49.00	68.00	42.50	AE	39.38	5.38	AE	42.25	4.25	2.50	4.50	3.38	2.63	n/a	n/a	1.00	1.00
21	80.00	52.75	76.00	46.25	AE	43.13	5.38	AE	46.00	4.25	2.50	4.50	3.38	2.63	n/a	n/a	1.00	1.00
25	80.00	61.50	76.00	55.00	AE	51.88	5.38	AE	54.75	4.25	2.50	4.50	3.38	2.63	n/a	n/a	1.00	1.00
30	93.50	61.50	89.50	55.00	AE	51.88	5.38	AE	54.75	4.25	2.50	4.50	3.38	2.63	n/a	n/a	1.00	1.00
35	100.00	67.25	96.00	60.75	AE	57.63	5.38	AE	60.50	4.25	2.50	4.50	3.75	3.63	n/a	n/a	1.25	1.00
40	112.50	67.25	108.50	60.75	AE	57.63	5.38	AE	60.50	4.25	2.50	4.50	3.75	3.63	n/a	n/a	1.25	1.00
50	125.50	75.75	121.50	69.25	AE	66.13	5.38	AE	69.00	4.25	2.50	4.50	3.75	3.63	n/a	n/a	1.25	1.00
57	125.50	85.50	121.50	79.00	AE	57.63	5.38	AE	60.50	4.25	2.50	4.50	3.75	3.63	n/a	n/a	1.25	1.00
66	140.50	92.50	136.50	82.50	AE	57.63	8.88	AE	60.50	7.75	6.00	8.00	7.63	3.63	12.25	24.50	1.50	1.00
80	140.50	107.50	136.50	97.50	AE	57.63	8.88	AE	60.50	7.75	6.00	8.00	7.63	3.63	12.25	27.00	1.50	1.00
100	154.50	119.75	150.50	109.75	AE	57.63	8.88	AE	60.50	7.75	6.00	8.00	7.63	3.63	23.25	24.50	1.50	1.00
120	182.00	119.75	178.00	109.75	AE	57.63	8.88	AE	60.50	7.75	6.00	8.00	7.63	3.63	23.25	24.50	1.50	1.00

Note: ¹Shipping split flange dimension is for shipping planning purposes only and does not add to installed overall unit length. ²Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120. ³Hinged on air-entering (AE) side or air-leaving (AL) side. ⁴Inward swing doors are dimensioned to door opening. ⁵Outward swing door opening is (F-2.73)by(C-1.80). ⁶Drain pan connection dimension is nominal pipe size. IAQ drain pan connections can be either LH or RH, but not both.

Table 5. Access/turning small, medium, and extended medium section dimensions (inches)

Unit Size	Small					Medium				Extended Medium					
	Inward Door ⁴			Outward Door ⁵		Inward Door ⁴			Outward Door ⁵	Inward Door ⁴			Outward Door ⁵		
	L	C	D1	F	D1	L	F	D1	F	D1	L	F	D1	F	D1
3-57	10.00			No Door		14.00		n/a	9.88	2.13	19.00	12.13	3.50	14.88	2.13
66-120	10.00			No Door		15.00		n/a	10.88	2.13	19.00	12.13	3.50	14.88	2.13



Dimensions

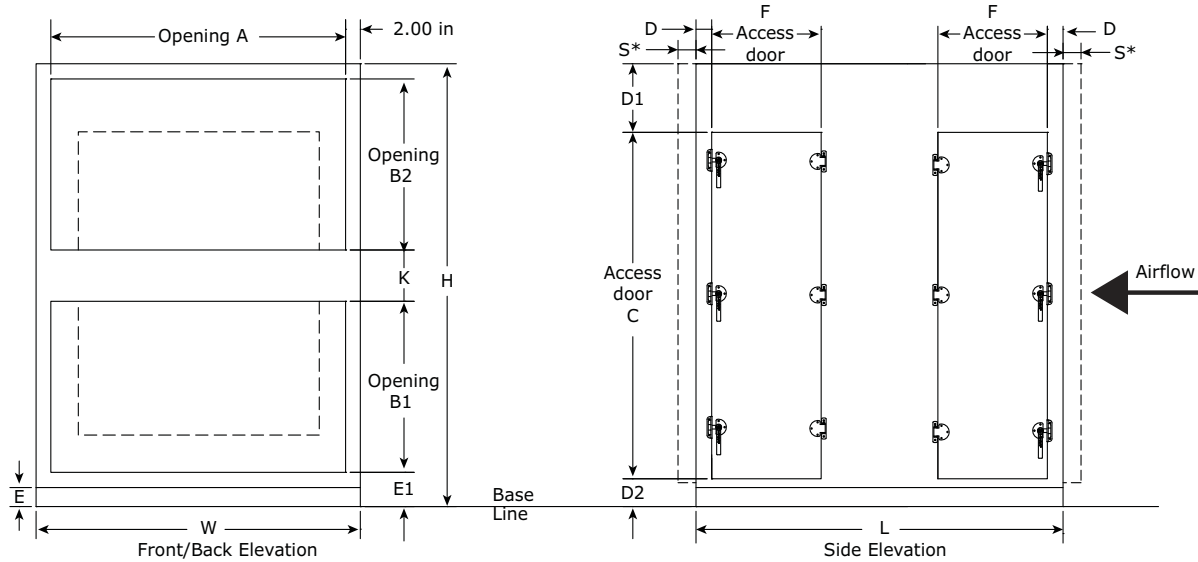
Table 6. Access/turning medium large and large section dimensions (inches)

Unit Size	Medium Large					Large						
	Inward Door ⁴			Outward Door ⁵		L	Inward Door ⁴		Outward Door ⁵		Turning	
	L	F	D1	F	D1		F	D1	F	D1	G	V
3-6	24.50	17.63	3.50	20.38	2.13	34.00	16.00	9.00	18.75	7.63	4.13	5.50
8-14	26.50	19.63	3.50	22.38	2.13	36.00	16.00	10.00	18.75	8.63	4.13	5.50
17	24.50	17.63	3.50	20.38	2.13	36.00	17.63	9.25	20.38	7.88	4.13	5.50
22	26.50	19.63	3.50	22.38	2.13	36.00	17.63	9.25	20.38	7.88	n/a	n/a
25	24.50	17.63	3.50	20.38	2.13	46.00	17.63	14.25	20.38	12.88	4.13	5.50
30	24.50	17.63	3.50	20.38	2.13	46.00	17.63	14.25	20.38	12.88	4.13	5.50
35	24.50	17.63	3.50	20.38	2.13	48.00	17.63	15.25	20.38	13.88	5.75	10.00
40	24.50	17.63	3.50	20.38	2.13	48.00	17.63	15.25	20.38	13.88	5.75	10.00
50	24.50	17.63	3.50	20.38	2.13	48.00	17.63	15.25	20.38	13.88	5.75	10.00
57	24.50	17.63	3.50	20.38	2.13	48.00	17.63	15.25	20.38	13.88	n/a	n/a
66	24.50	17.63	3.50	20.38	2.13	49.00	17.63	15.75	20.38	14.38	n/a	n/a
80	24.50	17.63	3.50	20.38	2.13	54.00	17.63	18.25	20.38	16.88	n/a	n/a
100, 120	24.50	17.63	3.50	20.38	2.13	60.00	17.63	21.25	20.38	19.88	n/a	n/a

Table 7. Access/turning extra large section dimensions (inches)

Unit Size	Extra Large						
	L	Inward Door		Outward Door		Turning	
		F	D1	F	D1	G	V
3	36.00	17.63	9.25	20.38	7.88	4.13	5.50
4, 6	41.00	17.63	11.75	20.38	10.38	4.13	5.50
8	44.00	19.63	12.25	22.38	10.88	4.13	5.50
10, 12, 14	42.50	19.63	11.50	22.38	10.13	4.13	5.50
17	44.00	17.63	13.25	20.38	11.88	4.13	5.50
21	50.25	17.63	16.38	20.38	15.00	4.13	5.50
25, 30	56.50	17.63	19.50	20.38	18.13	4.13	5.50
35, 40	63.75	17.63	23.13	20.38	21.75	5.75	10.00
50	68.50	17.63	25.50	20.38	24.13	5.75	10.00
57-120	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Air-to-Air Plate Frame Heat Exchangers

Figure 5. Air-to-air plate frame heat exchanger

Table 8. Air-to-air plate frame heat exchanger dimensions

Unit size	HEX type	W	H	L	Front/Back Opening			Outward Door ⁴					Base		Ship Split	
					A	B1	B2	C	D	D1	D2	F	K	E		E1
3	BYPS/HIEF	31.50	58.25	54.50	27.50	22.50	22.50	51.50	6.75	2.63	4.25	14.88	6.75	2.50	4.50	1.00
4	BYPS/HIEF	44.00	58.25	54.50	40.00	22.50	22.50	51.50	6.75	2.63	4.25	14.88	6.75	2.50	4.50	1.00
6	BYPS/HIEF	44.00	70.75	63.00	40.00	28.75	28.75	64.00	6.75	2.63	4.25	17.38	6.75	2.50	4.50	1.00
8	BYPS/HIEF	50.50	75.75	63.00	46.50	31.25	31.25	69.00	6.75	2.63	4.25	17.38	6.75	2.50	4.50	1.00
10	BYPS/HIEF LOW	61.50	75.75	71.00 54.50	57.50	31.25	31.25	69.00	6.75	2.63	4.25	20.38 14.88	6.75	2.50	4.50	1.00
12	BYPS/HIEF LOW	66.50	83.25	71.00 63.00	62.50	35.00	35.00	76.50	6.75	2.63	4.25	20.38 17.38	6.75	2.50	4.50	1.00
14	BYPS/HIEF LOW	72.00	83.25	71.00 63.00	68.00	35.00	35.00	76.50	6.75	2.63	4.25	20.38 17.38	6.75	2.50	4.50	1.00
17	BYPS/HIEF LOW	72.00	98.25	93.50 71.00	68.00	42.50	42.50	91.50	6.75	2.63	4.25	20.38	6.75	2.50	4.50	1.00
21	BYPS/HIEF LOW	80.00	105.75	93.50 82.50	76.00	46.25	46.25	99.00	6.75	2.63	4.25	20.38	6.75	2.50	4.50	1.00
25	BYPS/HIEF LOW	80.00	123.25	110.00 93.50	76.00	55.00	55.00	109.50	2.13	9.63	4.25	20.38	6.75	2.50	4.50	1.00
30	BYPS/HIEF LOW	93.50	123.25	110.00 100.00	89.50	55.00	55.00	109.50	2.13	9.63	4.25	20.38	6.75	2.50	4.50	1.00
35	BYPS/HIEF	100.00	134.75	110.00	96.00	60.75	60.75	109.50	2.13	21.13	4.25	20.38	6.75	2.50	4.50	1.00
40	BYPS/HIEF	112.50	134.75	110.00	108.50	60.75	60.75	109.50	2.13	21.13	4.25	20.38	6.75	2.50	4.50	1.00
50	LOW	125.50	151.75	110.00	121.50	69.25	69.25	109.50	2.13	38.13	4.25	20.38	6.75	2.50	4.50	1.00

Blenders

Figure 6. Blender section

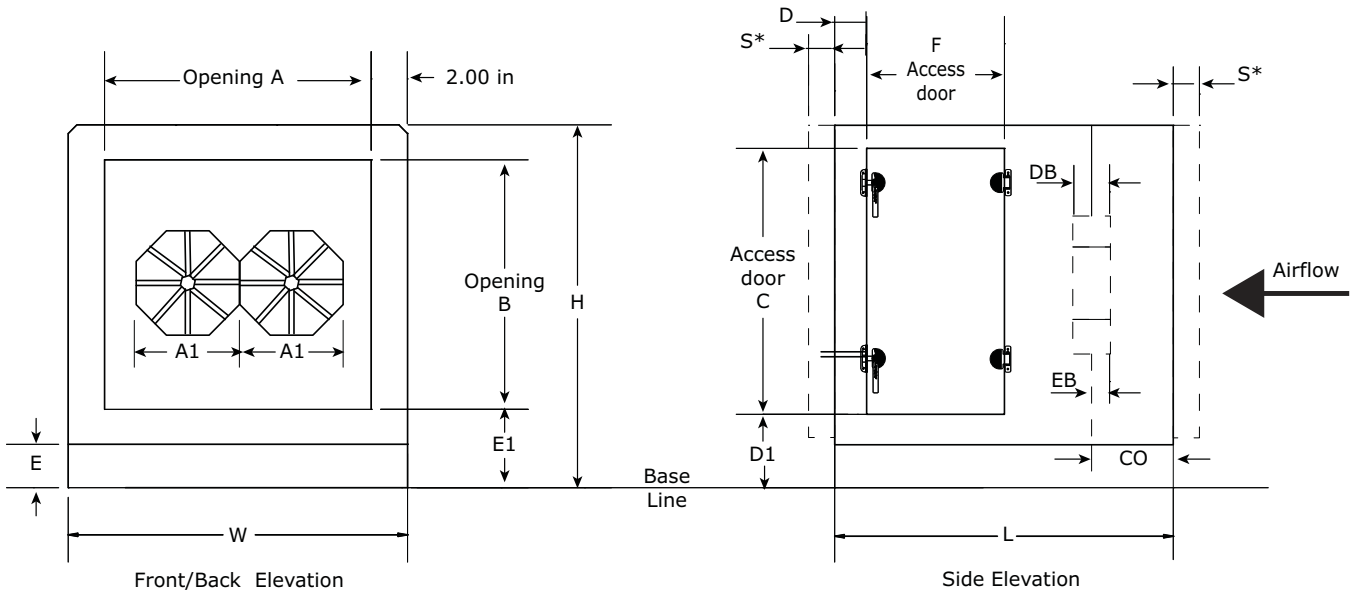


Table 9. Blender section dimensions (inches)

Unit size	W	L	H	A	B	C	D	D1	Base ²		Ship split	
									E	E1	F	S ¹
3	31.50	19.00	29.00	27.50	22.50	22.25	2.13	4.25	2.50	4.50	14.88	1.00
4	44.00	24.50	29.00	40.00	22.50	22.25	2.13	4.25	2.50	4.50	14.88	1.00
6	44.00	24.50	35.25	40.00	28.75	28.50	2.13	4.25	2.50	4.50	14.88	1.00
8	50.50	26.50	37.75	46.50	31.25	31.00	2.13	4.25	2.50	4.50	14.88	1.00
10	61.50	36.00	37.75	57.50	31.25	31.00	7.88	4.25	2.50	4.50	20.38	1.00
12	66.50	36.00	41.50	62.50	35.00	34.75	7.88	4.25	2.50	4.50	20.38	1.00
14	72.00	36.00	41.50	68.00	35.00	34.75	7.88	4.25	2.50	4.50	20.38	1.00
17	72.00	36.00	49.00	68.00	42.50	42.25	7.88	4.25	2.50	4.50	20.38	1.00
21	80.00	34.00	52.75	76.00	46.25	46.00	6.88	4.25	2.50	4.50	20.38	1.00
25	80.00	46.00	61.50	76.00	55.00	54.75	12.88	4.25	2.50	4.50	20.38	1.00
30	93.50	46.00	61.50	89.50	55.00	54.75	12.88	4.25	2.50	4.50	20.38	1.00
35	100.00	48.00	67.25	96.00	60.75	60.50	12.88	4.25	2.50	4.50	20.38	1.00
40	112.50	48.00	67.25	108.50	60.75	60.50	12.88	4.25	2.50	4.50	20.38	1.00
50	125.50	48.00	75.75	121.50	69.25	69.00	12.88	4.25	2.50	4.50	20.38	1.00
57	125.50	48.00	85.50	121.50	79.00	60.50	12.88	4.25	2.50	4.50	20.38	1.00
66	140.50	49.00	92.50	136.50	82.50	60.50	12.88	7.75	6.00	8.00	20.38	1.00
80	140.50	54.00	107.50	136.50	97.50	60.50	12.88	7.75	6.00	8.00	20.38	1.00
100	154.50	60.00	119.75	150.50	109.75	60.50	12.88	7.75	6.00	8.00	20.38	1.00
120	182.00	60.00	119.75	178.00	109.75	60.50	12.88	7.75	6.00	8.00	20.38	1.00

Note: ¹Shipping split flange dimension is for shipping planning purposes only and does not add to installed overall unit length. ²Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120.

Table 10. Blender section dimensions (inches)

Unit Size	Total Blender Weight (lb)	Number of Blenders	Blender Size			
			A1	DB	EB	CO
3	8.00	1	18	3.94	2.00	1.36
4	9.00	1	20	3.94	2.00	1.36
6	12.00	1	24	4.81	2.00	1.36
8	15.00	1	26	5.56	2.00	1.36
10	16.00	1	28	5.56	2.00	1.36
12	22.00	1	32	6.56	2.00	1.36
14	22.00	1	32	6.56	2.00	1.36
17	32.00	2	28	5.56	2.00	1.36
21	36.00	2	30	5.56	2.00	1.36
25	44.00	2	32	6.56	2.00	1.36
30	50.00	2	36	6.56	2.00	1.36
35	50.00	2	36	6.56	2.00	7.00
40	66.00	3	32	6.56	2.00	8.00
50	75.00	3	36	6.56	2.00	10.00
57	90.00	3	38	6.56	2.00	12.00
66	102.00	3	42	8.00	2.00	12.00
80	108.00	3	44	8.00	2.00	15.00
100	120.00	3	48	8.00	2.00	18.00
120	219.00	3	56	10.39	2.50	16.00

Note: ¹Shipping split flange dimension is for shipping planning purposes only and does not add to installed overall unit length.
²Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120.

Cool Dry Quiet (CDQ™) Desiccant Dehumidification Wheel

Figure 7. CDQ wheel sizes 3-21

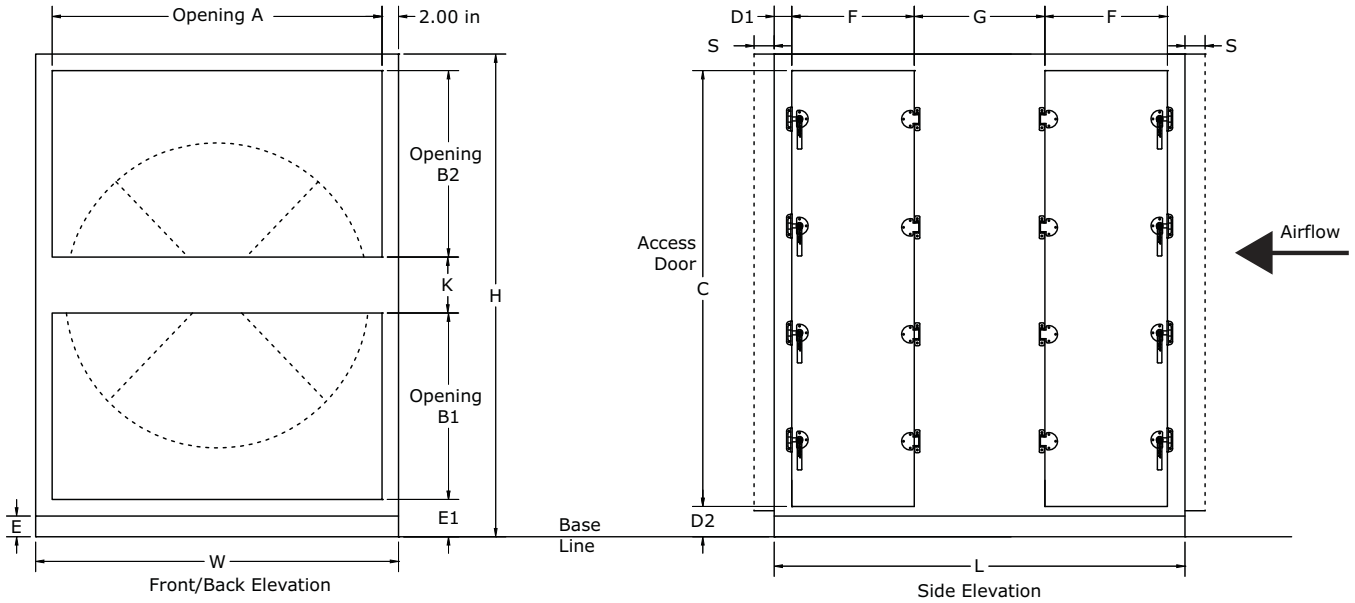


Figure 8. CDQ wheel sizes 25-50

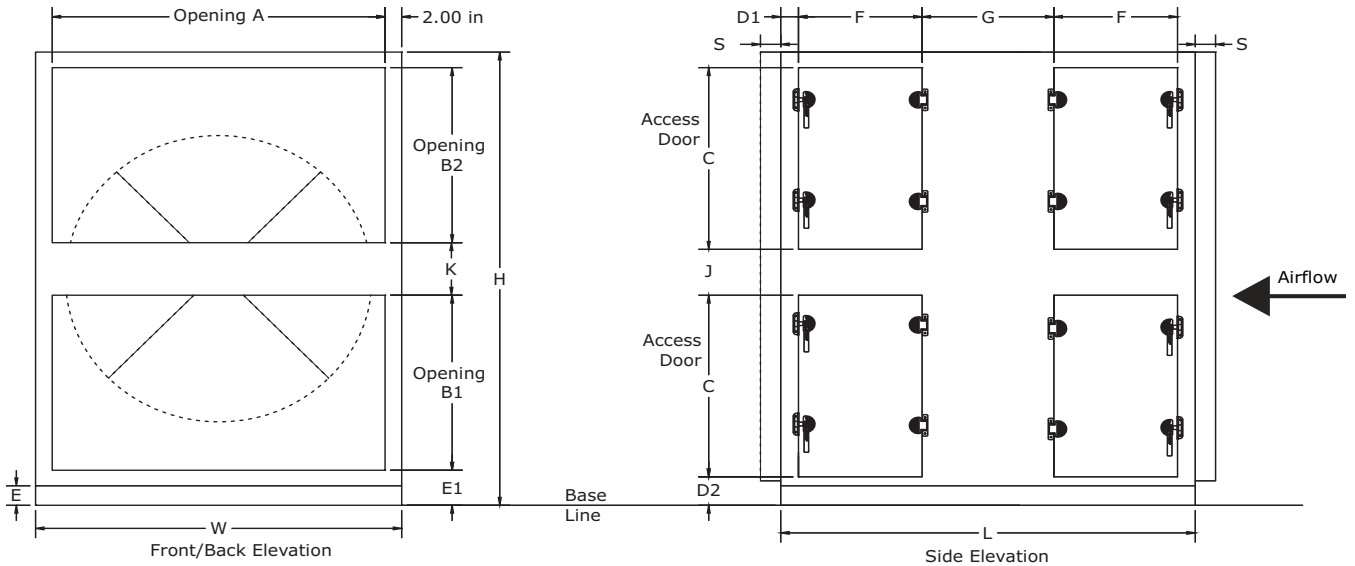


Table 11. CDQ section dimensions (inches)

Unit Size	Front/Back Opening			Outward Door ⁴								Base ²					
	W	H	L	A	B1	B2	Hinge ³	C	D1	D2	F	G	J	K	E	E1	S ¹
3	31.50	58.25	52.25	27.50	22.50	22.50	AE	51.50	2.13	4.25	14.88	18.50		6.75	2.50	4.50	1.00
4	44.00	58.25	52.25	40.00	22.50	22.50	AE	51.50	2.13	4.25	14.88	18.50		6.75	2.50	4.50	1.00
6	44.00	70.75	52.25	40.00	28.75	28.75	AE	64.00	2.13	4.25	14.88	18.50		6.75	2.50	4.50	1.00
8	50.50	75.75	52.25	46.50	31.25	31.25	AE	69.00	2.13	4.25	14.88	18.50		6.75	2.50	4.50	1.00
10	61.50	75.75	54.50	57.50	31.25	31.25	AE	69.00	2.13	4.25	14.88	20.75		6.75	2.50	4.50	1.00
12	66.50	83.25	57.50	62.50	35.00	35.00	AE	76.50	2.13	4.25	14.88	23.75		6.75	2.50	4.50	1.00
14	72.00	83.25	57.50	68.00	35.00	35.00	AE	76.50	2.13	4.25	14.88	23.75		6.75	2.50	4.50	1.00
17	72.00	98.25	57.50	68.00	42.50	42.50	AE	91.50	2.13	4.25	14.88	23.75		6.75	2.50	4.50	1.00
21	80.00	105.75	55.50	76.00	46.25	46.25	AE	99.00	2.13	4.25	14.88	21.75		6.75	2.50	4.50	1.00
25	80.00	123.25	55.50	76.00	55.00	55.00	AE	54.75	2.13	4.25	14.88	21.75	7.13	6.75	2.50	4.50	1.00
30	93.50	123.25	57.50	89.50	55.00	55.00	AE	54.75	2.13	4.25	14.88	23.75	7.13	6.75	2.50	4.50	1.00
35	100.00	134.75	56.25	96.00	60.75	60.75	AE	60.50	2.13	4.25	14.88	22.50	7.13	6.75	2.50	4.50	1.00
40	112.50	134.75	56.25	108.50	60.75	60.75	AE	60.50	2.13	4.25	14.88	22.50	7.13	6.75	2.50	4.50	1.00
50	125.50	151.75	58.75	121.50	69.25	69.25	AE	69.00	2.13	4.25	14.88	25.00	7.13	6.75	2.50	4.50	1.00

Note: ¹Shipping split flange dimension is for shipping planning purposes only and does not add to installed overall unit length. ²Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120. ³Hinged on air-entering (AE) side or air-leaving (AL) side. ⁴Outward swing door opening is (F-2.73)by(C-1.80).

Table 12. CDQ wheel availability

Unit Size	Wheel Size	
	One Bypass Damper ¹	Two Bypass Dampers
3	1000	n/a
4	2000	1500 - 1000
6	n/a	2000
8	n/a	3000
10	5000	4000
12	6000	5000
14	7000	6000
17	n/a	7000
21	10,500	8500
25	n/a	10,500
30	n/a	13,000
35	17,500	15,000
40	20,000	17,500
50	25,000	20,000

Note: ¹Wheel option is not available at the unit nominal air flow for unit sizes 6,8,17,25 and 30.

Figure 9. CDQ wheel cassette

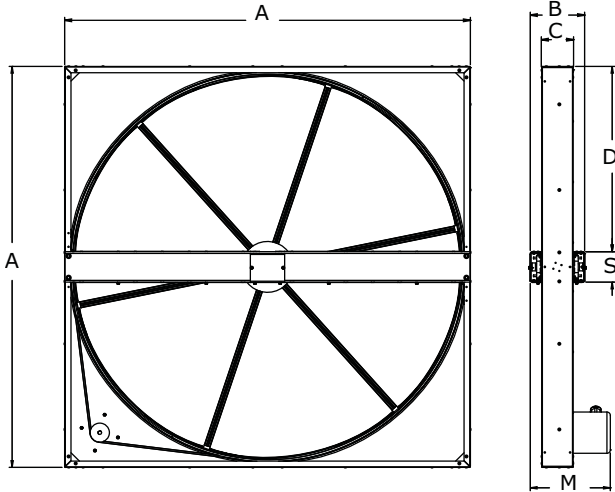


Table 13. CDQ wheel cassette dimensions

Unit sizes available	CFM	A	B	C	D	S	M
3	1000	27.00	7.00	7.00	12.57	1.86	10.61
4	1500	34.00	7.00	7.00	16.00	2.00	10.61
4,6	2000	39.00	7.00	7.00	18.51	1.98	12.18
8	3000	42.00	7.00	7.00	19.75	2.50	12.18
10	4000	48.00	7.00	7.00	22.75	2.50	12.18
10,12	5000	54.00	8.00	8.00	25.63	2.75	12.80
12,14	6000	60.00	8.00	8.00	28.63	2.75	12.80
14,17	7000	66.00	8.00	8.00	31.63	2.75	12.80
21	8500	72.00	9.00	9.00	33.93	4.15	13.10
21,25	10,500	76.00	9.00	9.00	35.93	4.15	13.10
30	13,000	84.00	9.50	9.50	39.43	5.14	13.35
35	15,000	90.00	9.50	9.50	42.43	5.15	13.35
35,40	17,500	96.00	12.00	12.00	44.93	6.15	14.65
40,50	20,000	102.00	12.00	12.00	47.93	6.15	14.65
50	25,000	116.20	14.80	14.60	48.50	7.10	16.30

Figure 10. CDQ external junction box and starter enclosure

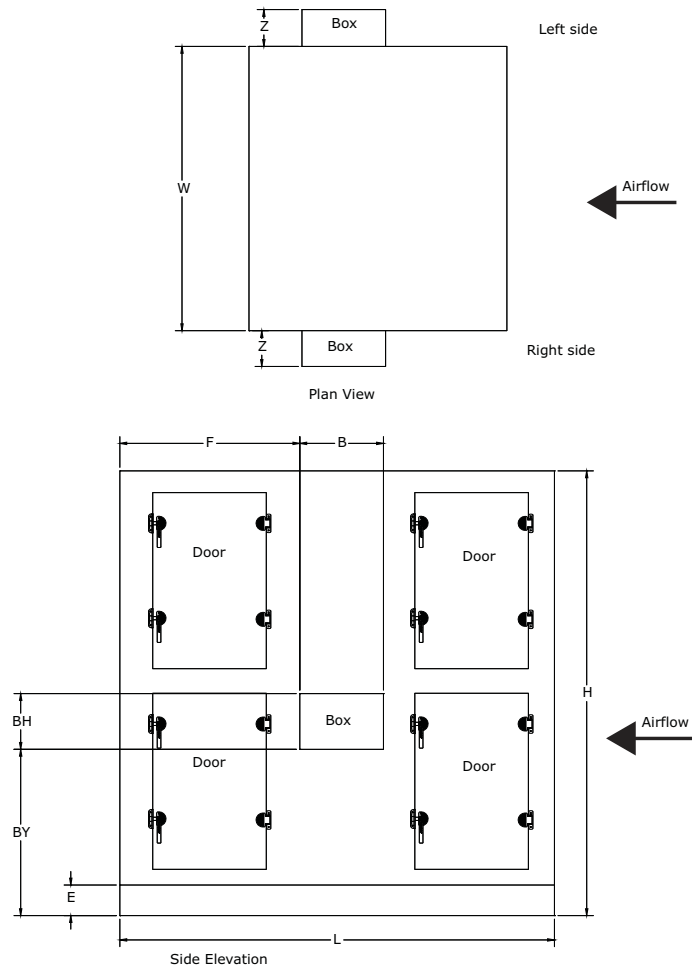


Table 14. CDQ external junction box dimensions (inches)

Unit size					Height	Width	Depth	Edge width	Edge height
	W	H	L	E	BH	B	Z	F	BY
3	31.50	58.25	52.25	2.50	4.25	4.25	3.25	19.38	21.75
4	44.00	58.25	52.25	2.50	4.25	4.25	3.25	19.38	21.75
6	44.00	70.75	52.25	2.50	4.25	4.25	3.25	19.38	21.75
8	50.50	75.75	52.25	2.50	4.25	4.25	3.25	19.38	21.75
10	61.50	75.75	54.50	2.50	4.25	4.25	3.25	19.38	21.75
12	66.50	83.25	57.50	2.50	4.25	4.25	3.25	19.38	21.75
14	72.00	83.25	57.50	2.50	4.25	4.25	3.25	19.38	21.75
17	72.00	98.25	57.50	2.50	4.25	4.25	3.25	19.38	21.75
21	80.00	105.75	55.50	2.50	4.25	4.25	3.25	19.38	21.75
25	80.00	123.25	55.50	2.50	4.25	4.25	3.25	19.38	21.75
30	93.50	123.25	57.50	2.50	4.25	4.25	3.25	19.38	21.75
35	100.00	134.75	56.25	2.50	4.25	4.25	3.25	19.38	21.75
40	112.50	134.75	56.25	2.50	4.25	4.25	3.25	19.38	21.75
50	125.50	151.75	58.75	2.50	4.25	4.25	3.25	19.38	26.75

Table 15. Starter enclosure for CDQ dimensions (inches)

Unit size					Height	Width	Depth	Edge width	Edge height
	W	H	L	E	BH	B	Z	F	BY
3	31.50	58.25	52.25	2.50	14.25	11.50	6.00	19.38	19.00
4	44.00	58.25	52.25	2.50	14.25	11.50	6.00	19.38	19.00
6	44.00	70.75	52.25	2.50	14.25	11.50	6.00	19.38	19.00
8	50.50	75.75	52.25	2.50	14.25	11.50	6.00	19.38	19.00
10	61.50	75.75	52.25	2.50	14.25	11.50	6.00	19.38	19.00
12	66.50	83.25	57.50	2.50	14.25	11.50	6.00	19.38	19.00
14	72.00	83.25	57.50	2.50	14.25	11.50	6.00	19.38	19.00
17	72.00	98.25	57.50	2.50	14.25	11.50	6.00	19.38	19.00
21	80.00	105.75	55.50	2.50	14.25	11.50	6.00	19.38	19.00
25	80.00	123.25	55.50	2.50	14.25	11.50	6.00	19.38	19.00
30	93.50	123.25	57.50	2.50	14.25	11.50	6.00	19.38	19.00
35	100.00	134.75	56.25	2.50	14.25	11.50	6.00	19.38	19.00
40	112.50	134.75	56.25	2.50	14.25	11.50	6.00	19.38	19.00
50	125.50	151.75	58.75	2.50	14.25	11.50	6.00	19.38	24.00

Coils

Horizontal Coil Section

Figure 11. Horizontal coil section

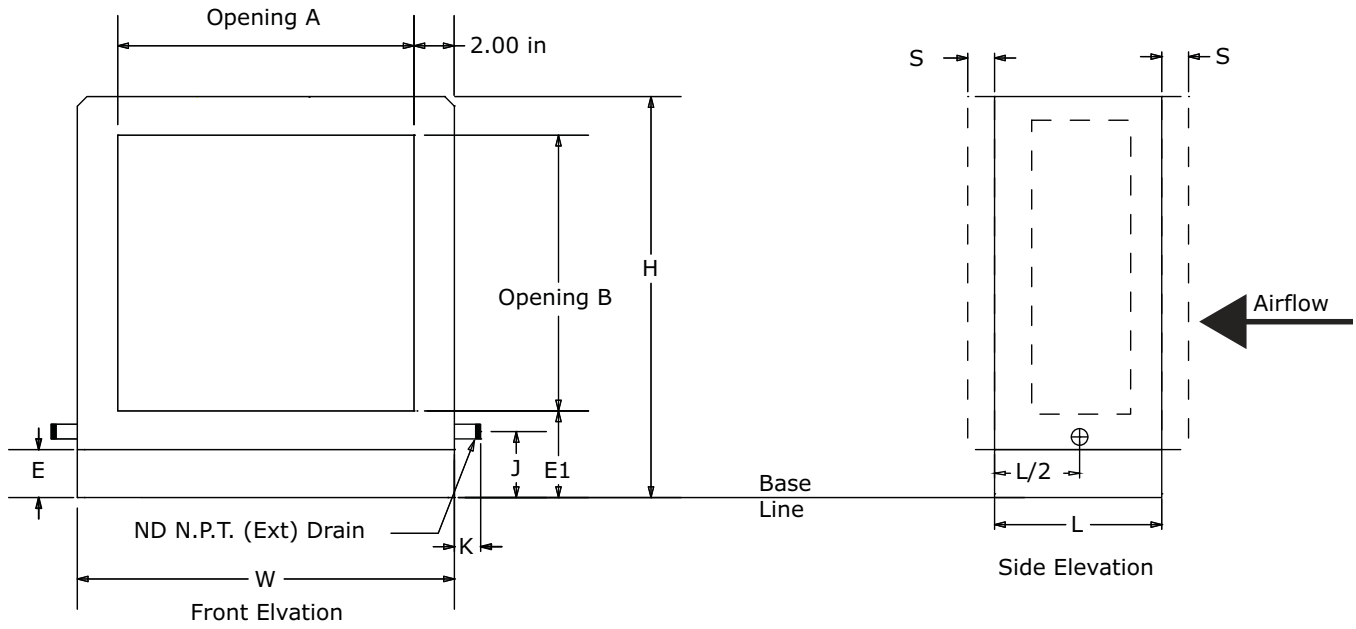


Table 16. Horizontal coil section dimensions (inches)

Unit Size	W	H	Front/Back Opening		Base ²		Drain Pan ³			ND (NPT)	Small	Med	Ext Med	Med Lrg	Lrg	S ¹
			A	B	E	E1	J	K	L		L	L	L	L		
3	31.50	29.00	27.50	22.50	2.50	4.50	3.38	2.63	1.00	10.00	14.00	19.00	24.50	34.00	1.00	
4	44.00	29.00	40.00	22.50	2.50	4.50	3.38	2.63	1.00	10.00	14.00	19.00	24.50	34.00	1.00	
6	44.00	35.25	40.00	28.75	2.50	4.50	3.38	2.63	1.00	10.00	14.00	19.00	24.50	34.00	1.00	
8	50.50	37.75	46.50	31.25	2.50	4.50	3.38	2.63	1.00	10.00	14.00	19.00	26.50	36.00	1.00	
10	61.50	37.75	57.50	31.25	2.50	4.50	3.38	2.63	1.00	10.00	14.00	19.00	26.50	36.00	1.00	
12	66.50	41.50	62.50	35.00	2.50	4.50	3.38	2.63	1.00	10.00	14.00	19.00	26.50	36.00	1.00	
14	72.00	41.50	68.00	35.00	2.50	4.50	3.38	2.63	1.00	10.00	14.00	19.00	26.50	36.00	1.00	
17	72.00	49.00	68.00	42.50	2.50	4.50	3.38	2.63	1.00	10.00	14.00	19.00	24.50	36.00	1.00	
21	80.00	52.75	76.00	46.25	2.50	4.50	3.38	2.63	1.00	10.00	14.00	19.00	24.50	34.00	1.00	
25	80.00	61.50	76.00	55.00	2.50	4.50	3.38	2.63	1.00	10.00	14.00	19.00	24.50	46.00	1.00	
30	93.50	61.50	89.50	55.00	2.50	4.50	3.38	2.63	1.00	10.00	14.00	19.00	24.50	46.00	1.00	
35	100.00	67.25	96.00	60.75	2.50	4.50	3.38	3.63	1.25	10.00	14.00	19.00	24.50	48.00	1.00	
40	112.50	67.25	108.50	60.75	2.50	4.50	3.38	3.63	1.25	10.00	14.00	19.00	24.50	48.00	1.00	
50	125.50	75.75	121.50	69.25	2.50	4.50	3.38	3.63	1.25	10.00	14.00	19.00	24.50	48.00	1.00	
57	125.50	85.50	121.50	79.00	2.50	4.50	3.38	3.63	1.25	10.00	14.00	19.00	24.50	48.00	1.00	
66	140.50	92.50	136.50	82.50	6.00	8.00	6.13	3.63	1.50	n/a	15.00	19.00	24.50	n/a	1.00	
80	140.50	107.50	136.50	97.50	6.00	8.00	6.13	3.63	1.50	n/a	15.00	19.00	24.50	n/a	1.00	
100	154.50	119.75	150.50	109.75	6.00	8.00	6.13	3.63	1.50	n/a	15.00	19.00	24.50	n/a	1.00	
120	182.00	119.75	178.00	109.75	6.00	8.00	6.13	3.63	1.50	n/a	15.00	19.00	24.50	n/a	1.00	

Note: ¹Shipping split flange dimension is for shipping planning purposes only and does not add to installed overall unit length. ²Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120. ³Drain pan connection dimension is nominal pipe size. IAQ drain pan connections can be either LH or RH, but not both.

Dimensions

Figure 12. Horizontal coil section with inspection door

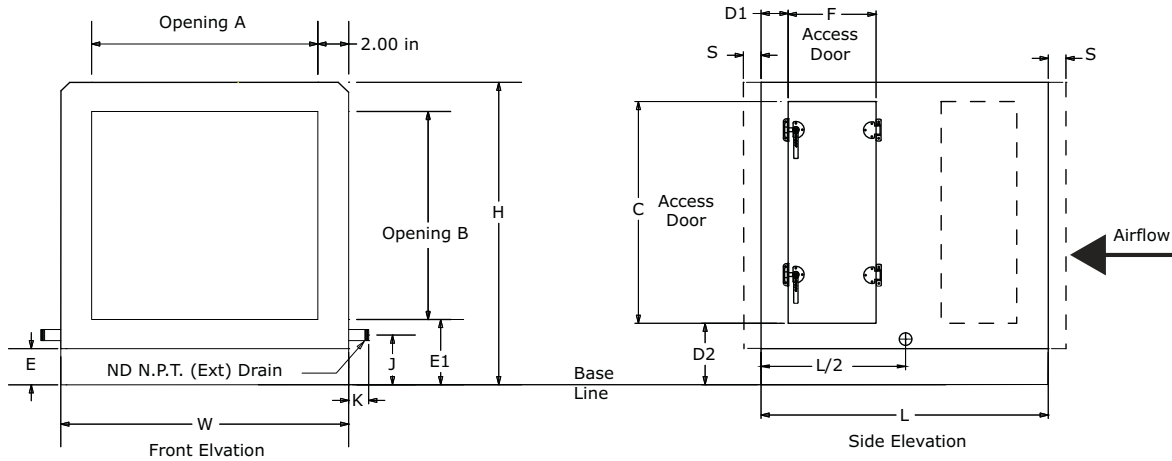


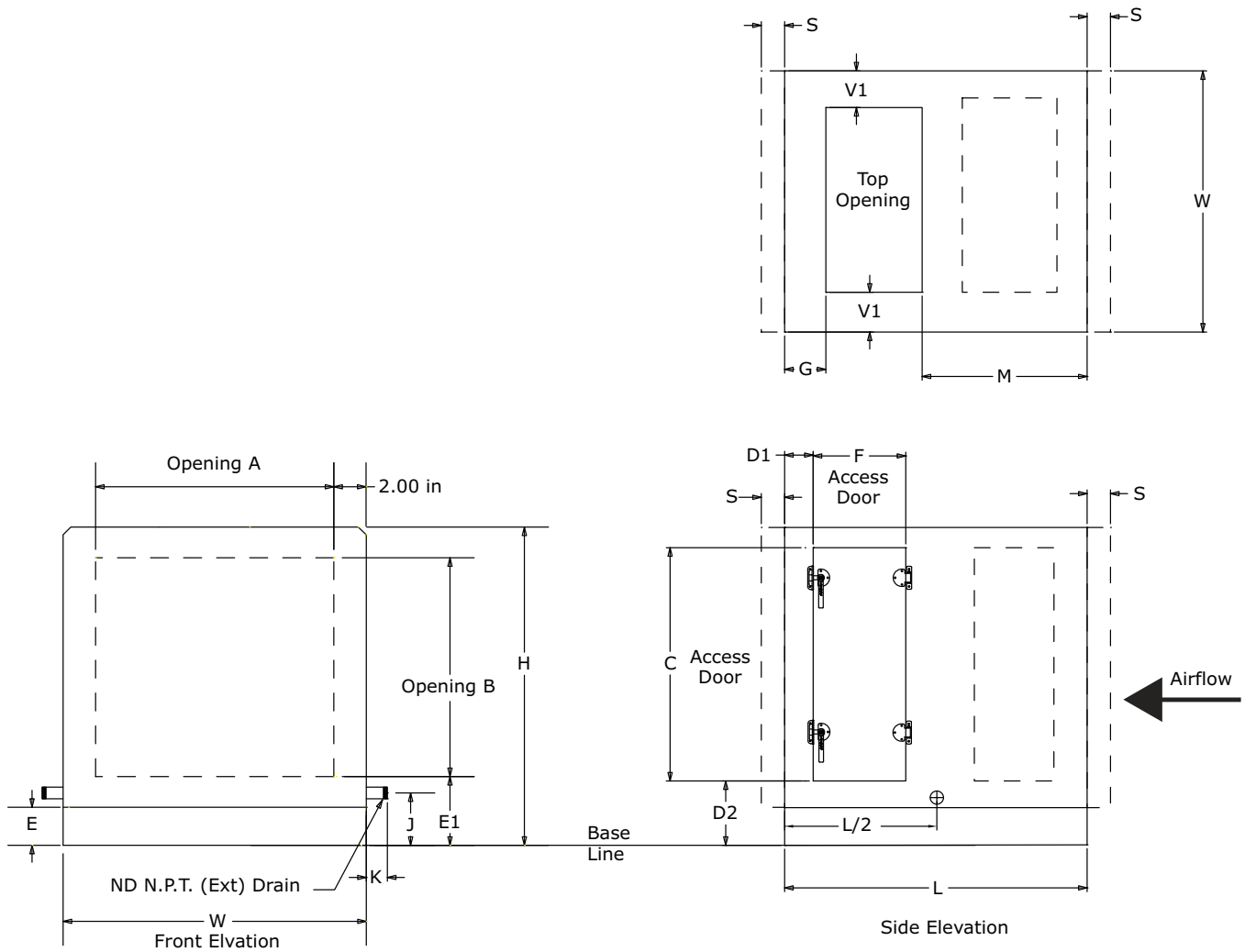
Table 17. Horizontal coil section with inspection door dimensions (inches)

Unit Size	W		H		Front/Back Opening		Base ²		Drain Pan ⁵			Door ^{3,4}				S ¹		
	W	H	Med Lrg L	Lrg L	A	B	E	E1	J	K	ND (NPT)	Med Lrg D1	Lrg D1	D2	C		Med Lrg F	Lrg F
3	31.50	29.00	24.50	34.00	27.50	22.50	2.50	4.50	3.38	2.63	1.00	2.13	2.13	4.25	22.25	9.88	14.88	1.00
4	44.00	29.00	24.50	34.00	40.00	22.50	2.50	4.50	3.38	2.63	1.00	2.13	2.13	4.25	22.25	9.88	14.88	1.00
6	44.00	35.25	24.50	34.00	40.00	28.75	2.50	4.50	3.38	2.63	1.00	2.13	2.13	4.25	28.50	9.88	14.88	1.00
8	50.50	37.75	26.50	36.00	46.50	31.25	2.50	4.50	3.38	2.63	1.00	2.13	2.13	4.25	31.00	9.88	14.88	1.00
10	61.50	37.75	26.50	36.00	57.50	31.25	2.50	4.50	3.38	2.63	1.00	2.13	2.13	4.25	31.00	9.88	14.88	1.00
12	66.50	41.50	26.50	36.00	62.50	35.00	2.50	4.50	3.38	2.63	1.00	2.13	2.13	4.25	34.75	9.88	14.88	1.00
14	72.00	41.50	26.50	36.00	68.00	35.00	2.50	4.50	3.38	2.63	1.00	2.13	2.13	4.25	34.75	9.88	14.88	1.00
17	72.00	49.00	24.50	36.00	68.00	42.50	2.50	4.50	3.38	2.63	1.00	2.13	2.13	4.25	42.25	9.88	14.88	1.00
21	80.00	52.75	24.50	34.00	76.00	46.25	2.50	4.50	3.38	2.63	1.00	2.13	2.13	4.25	46.00	9.88	14.88	1.00
25	80.00	61.50	24.50	46.00	76.00	55.00	2.50	4.50	3.38	2.63	1.00	2.13	2.13	4.25	54.75	9.88	14.88	1.00
30	93.50	61.50	24.50	46.00	89.50	55.00	2.50	4.50	3.38	2.63	1.00	2.13	2.13	4.25	54.75	9.88	14.88	1.00
35	100.00	67.25	24.50	48.00	96.00	60.75	2.50	4.50	3.38	3.63	1.25	2.13	2.13	4.25	60.50	9.88	14.88	1.00
40	112.50	67.25	24.50	48.00	108.50	60.75	2.50	4.50	3.38	3.63	1.25	2.13	2.13	4.25	60.50	9.88	14.88	1.00
50	125.50	75.75	24.50	48.00	121.50	69.25	2.50	4.50	3.38	3.63	1.25	2.13	2.13	4.25	60.50	9.88	14.88	1.00
57	125.50	85.50	24.50	48.00	121.50	79.00	2.50	4.50	3.38	3.63	1.25	2.13	2.13	4.25	60.50	9.88	14.88	1.00
66	140.50	89.00	24.50	n/a	136.50	82.50	6.00	8.00	6.13	3.63	1.50	2.13	n/a	7.75	60.50	9.88	n/a	1.00
80	140.50	104.00	24.50	n/a	136.50	97.50	6.00	8.00	6.13	3.63	1.50	2.13	n/a	7.75	60.50	9.88	n/a	1.00
100	154.50	116.25	24.50	n/a	150.50	109.75	6.00	8.00	6.13	3.63	1.50	2.13	n/a	7.75	60.50	9.88	n/a	1.00
120	182.00	116.25	24.50	n/a	178.00	109.75	6.00	8.00	6.13	3.63	1.50	2.13	n/a	7.75	60.50	9.88	n/a	1.00

Note: ¹Shipping split flange dimension is for shipping planning purposes only and does not add to installed overall unit length. ²Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120. ^{3,4}Inward swing doors are dimensioned to door opening. Outward swing door opening is (F-2.73) by (C-1.80). ⁵Drain pan connection dimension is nominal pipe size. IAQ drain pan connections can be either LH or RH, but not both.

Vertical Coil Section

Figure 13. Vertical coil section with inspection door



Dimensions

Table 18. Vertical coil section dimensions (inches)

Unit Size	Back Opening			Top Opening			Base ²		Drain Pan ³			Door ³				S ¹		
	W	H	L	A	B	V1	G	M	E	E1	J	K	ND	D1	D2		C	F
3	31.50	29.00	34.00	27.50	22.50	8.00	4.13	13.00	2.50	4.50	3.38	2.63	1.00	3.25	4.25	22.25	14.88	1.00
4	44.00	29.00	34.00	40.00	22.50	8.00	4.13	13.00	2.50	4.50	3.38	2.63	1.00	3.25	4.25	22.25	14.88	1.00
6	44.00	35.25	34.00	40.00	28.75	8.00	4.13	13.00	2.50	4.50	3.38	2.63	1.00	3.25	4.25	28.50	14.88	1.00
8	50.50	37.75	36.00	46.50	31.25	8.00	4.13	13.00	2.50	4.50	3.38	2.63	1.00	3.25	4.25	31.00	14.88	1.00
10	61.50	37.75	36.00	57.50	31.25	9.00	4.13	13.00	2.50	4.50	3.38	2.63	1.00	3.25	4.25	31.00	14.88	1.00
12	66.50	41.50	36.00	62.50	35.00	9.00	4.13	13.00	2.50	4.50	3.38	2.63	1.00	3.25	4.25	34.75	14.88	1.00
14	72.00	41.50	36.00	68.00	35.00	9.00	4.13	13.00	2.50	4.50	3.38	2.63	1.00	3.25	4.25	34.75	14.88	1.00
17	72.00	49.00	36.00	68.00	42.50	9.00	4.13	13.00	2.50	4.50	3.38	2.63	1.00	3.25	4.25	42.25	14.88	1.00
21	80.00	52.75	34.00	76.00	46.25	9.00	4.13	13.00	2.50	4.50	3.38	2.63	1.00	3.25	4.25	46.00	14.88	1.00
25	80.00	61.50	46.00	76.00	55.00	9.00	4.13	13.00	2.50	4.50	3.38	2.63	1.00	3.25	4.25	54.75	14.88	1.00
30	93.50	61.50	46.00	89.50	55.00	9.00	4.13	13.00	2.50	4.50	3.38	2.63	1.00	3.25	4.25	54.75	14.88	1.00
35	100.00	67.25	48.00	96.00	60.75	10.00	4.50	13.00	2.50	4.50	3.38	3.63	1.25	3.25	4.25	60.50	14.88	1.00
40	112.50	67.25	48.00	108.50	60.75	10.00	4.50	13.00	2.50	4.50	3.38	3.63	1.25	3.25	4.25	60.50	14.88	1.00
50	125.50	75.75	48.00	121.50	69.25	10.00	4.50	13.00	2.50	4.50	3.38	3.63	1.25	3.25	4.25	60.50	14.88	1.00

Note: ¹Shipping split flange dimension is for shipping planning purposes only and does not add to installed overall unit length. ²Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120. ³Drain pan connection dimension is nominal pipe size. IAQ drain pan connections can be either LH or RH, but not both.

Coil Locations

Figure 14. Coil locations

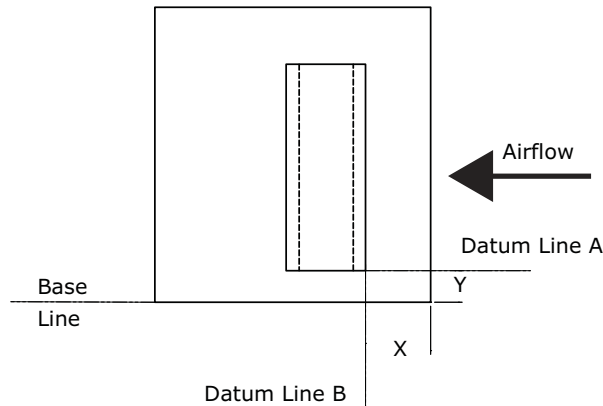


Table 19. Coil location dimensions (inches) for 1/2, 5/8 and 1-inch coils

Unit Size	X	Y
3 - 12	1.63	4.75
14 - 17	1.63	4.75
21, 25, 30	1.63	4.88
35 - 40	1.63	5.63
50 - 57	1.63	5.63
66 - 120	2.13	9.75

Note: Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120. For coil connection information for refrigerant coils, refer to submittal. For specific dimensional information for all coils, refer to the unit submittals provided in TOPSS.

Table 20. Coil location dimensions (inches) for cold deck multizone 1/2, 5/8, and 1-inch coils

Unit Size	X	Y
6 - 10	1.63 + L1	4.75
14 - 17	1.63 + L1	4.75
21 - 30	1.63 + L1	4.88
35 - 50	1.63 + L1	5.63

Figure 15. Coil locations for hot deck multizone

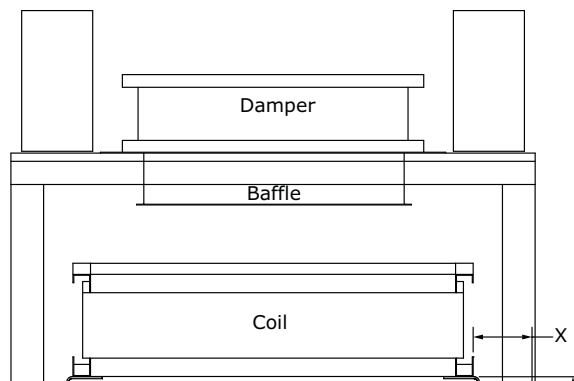


Table 21. Coil location dimensions (inches) for hot deck multizone

Unit size	X	Y
6	4.00	5.78
8	3.75	5.78
10	3.88	6.07
12, 14	3.88	6.07
17	3.88	6.07
21	3.75	5.78
25, 30	3.75	5.78
35	3.75	8.89
40	3.75	8.89
50	3.88	13.89

Coil Connection Locations

Figure 16. Coil connection locations sizes 3-30

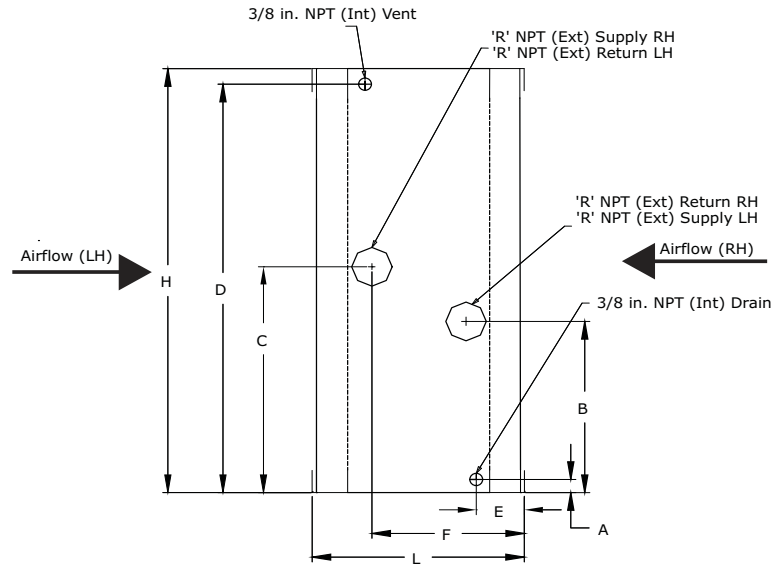


Figure 17. Coil connection locations sizes 35-120

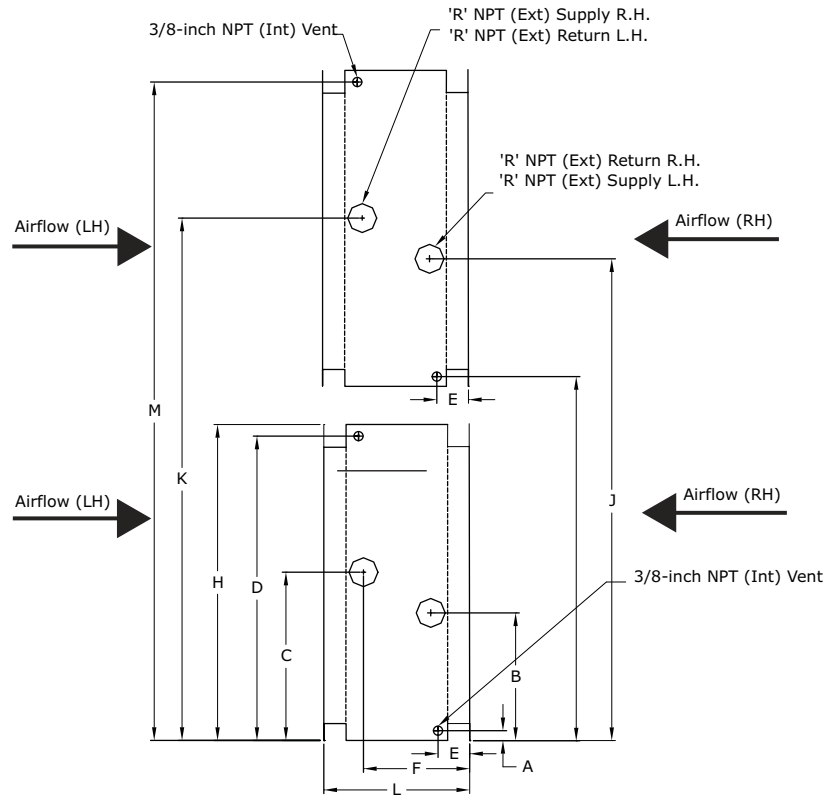


Table 22. UW coil connection locations

Unit Size	2 - 8 Row									
	A	B	C	D	H	I	J	K	M	R
3, 4	1.13	8.63	11.75	19.25	20.25	n/a	n/a	n/a	n/a	1.50
6	1.13	11.75	14.88	25.50	26.50	n/a	n/a	n/a	n/a	1.50
8, 10	1.13	13.00	16.13	28.00	29.00	n/a	n/a	n/a	n/a	2.00
12, 14	1.13	14.88	18.00	31.75	32.75	n/a	n/a	n/a	n/a	2.00
17	1.13	18.63	21.75	39.25	40.25	n/a	n/a	n/a	n/a	2.50
21	1.13	20.50	23.63	43.00	44.00	n/a	n/a	n/a	n/a	2.50
35, 40	1.13	27.38	30.50	56.75	57.75	n/a	n/a	n/a	n/a	2.50
25, 30	1.13	24.88	28.00	51.75	52.75	n/a	n/a	n/a	n/a	2.50
26, 57	1.75	17.38	20.50	36.13	37.75	40.25	55.88	59.00	74.63	2.00
66	1.75	18.00	21.13	37.38	39.00	41.50	57.75	60.88	77.13	2.00
80	1.75	21.75	24.88	44.88	46.50	49.00	69.00	72.13	92.13	2.50
50	1.75	14.88	18.00	31.13	32.75	35.25	48.38	51.50	64.63	2.00
100, 120	1.75	28.00	31.13	57.38	59.00	45.25	61.50	80.88	103.38	2.50

Table 23. UW coil connection locations

Unit Size	E		F				L			
	2-Row	4-8 Row	2-Row	4-Row	6-Row	8-Row	2-Row	4-Row	6-Row	8-Row
3	2.50	1.75	4.25	5.00	7.13	9.25	6.63	6.63	8.75	11.00
4	2.50	1.75	4.25	5.00	7.13	9.25	6.63	6.63	8.75	11.00
6	2.50	1.75	4.25	5.00	7.13	9.25	6.63	6.63	8.75	11.00
8	2.25	1.75	4.50	5.00	7.13	9.25	6.63	6.63	8.75	11.00
10	2.25	1.75	4.50	5.00	7.13	9.25	6.63	6.63	8.75	11.00
12	2.25	1.75	4.50	5.00	7.13	9.25	6.63	6.63	8.75	11.00
14	2.25	1.75	4.50	5.00	7.13	9.25	6.63	6.63	8.75	11.00
17	2.00	1.75	4.75	5.00	7.13	9.25	6.63	6.63	8.75	11.00
21	2.00	1.75	4.75	5.00	7.13	9.25	6.63	6.63	8.75	11.00
25	2.00	1.75	4.75	5.00	7.13	9.25	6.63	6.63	8.75	11.00
30	2.00	1.75	4.75	5.00	7.13	9.25	6.63	6.63	8.75	11.00
35	2.00	1.75	4.75	5.00	7.13	9.25	6.63	6.63	8.75	11.00
40	2.00	1.75	4.75	5.00	7.13	9.25	6.63	6.63	8.75	11.00
50	1.75	2.38	4.00	5.63	7.75	9.88	5.75	8.00	10.13	12.25
57	1.75	2.38	4.00	5.63	7.75	9.88	5.75	8.00	10.13	12.25
66	1.75	2.38	4.00	5.63	7.75	9.88	5.75	8.00	10.13	12.25
80	1.50	2.38	4.25	5.63	7.75	9.88	5.75	8.00	10.13	12.25
100	1.50	2.38	4.25	5.63	7.75	9.88	5.75	8.00	10.13	12.25
120	1.50	2.38	4.25	5.63	7.75	9.88	5.75	8.00	10.13	12.25



Dimensions

Table 24. UA coil connection locations

Unit Size	2-Row													
	A	B	C	D	H1	H2	I	J	K	M	R	E	F	L
3	1.13	8.63	11.75	19.25	20.25	20.25	n/a	n/a	n/a	n/a	1.50	2.50	4.25	6.63
4	1.13	8.63	11.75	19.25	20.25	20.25	n/a	n/a	n/a	n/a	1.50	2.50	4.25	6.63
6	2.38	11.75	14.88	24.25	26.50	26.50	n/a	n/a	n/a	n/a	1.50	2.50	4.25	6.63
8	2.38	13.00	16.13	26.75	29.00	29.00	n/a	n/a	n/a	n/a	1.50	2.50	4.25	6.63
10	2.38	13.00	16.13	26.75	29.00	29.00	n/a	n/a	n/a	n/a	1.50	2.50	4.25	6.63
12	1.13	14.88	18.00	31.75	32.75	32.75	n/a	n/a	n/a	n/a	1.50	2.50	4.25	6.63
14	1.13	14.88	18.00	31.75	32.75	32.75	n/a	n/a	n/a	n/a	1.50	2.50	4.25	6.63
17	1.13	18.63	21.75	39.25	40.25	40.25	n/a	n/a	n/a	n/a	2.00	2.25	4.50	6.63
21	2.38	20.50	23.63	41.75	44.00	44.00	n/a	n/a	n/a	n/a	2.00	2.25	4.50	6.63
25	1.13	24.88	28.00	51.75	52.75	52.75	n/a	n/a	n/a	n/a	2.00	2.25	4.50	6.63
30	1.13	24.88	28.00	51.75	52.75	52.75	n/a	n/a	n/a	n/a	2.00	2.25	4.50	6.63
35	1.13	27.38	30.50	56.75	57.75	57.75	n/a	n/a	n/a	n/a	2.00	2.25	4.50	6.63
40	1.13	27.38	30.50	56.75	57.75	57.75	n/a	n/a	n/a	n/a	2.00	2.25	4.50	6.63
50	3.00	14.88	18.00	29.88	32.75	32.75	36.50	48.38	51.50	63.38	1.50	2.00	3.75	5.75
57	3.00	17.38	20.50	34.88	37.75	37.75	41.50	55.88	59.00	73.38	1.50	2.00	3.75	5.75
66	1.75	18.00	21.13	37.38	39.00	39.00	41.50	57.75	60.88	77.13	2.00	2.00	3.75	5.75
80	1.75	21.75	24.88	44.88	46.50	46.50	49.00	69.00	72.13	92.13	2.00	1.75	4.00	5.75
100	3.00	28.00	31.13	56.13	59.00	45.25	62.75	80.88	84.00	102.13	2.00	1.75	4.00	5.75
120	3.00	28.00	31.13	56.13	59.00	45.25	62.75	80.88	84.00	102.13	2.00	1.75	4.00	5.75

Table 25. UU coil connection locations

Unit size	4, 8 Row											
	A	B	C	D	H1	H2	I	J	K	M	R	
12	1.13	14.88	18.00	31.75	32.75	32.75	n/a	n/a	n/a	n/a	2.50	
14	1.13	14.88	18.00	31.75	32.75	32.75	n/a	n/a	n/a	n/a	2.50	
17	1.13	18.63	21.75	39.25	40.25	40.25	n/a	n/a	n/a	n/a	2.50	
21	1.13	20.50	23.63	43.00	44.00	44.00	n/a	n/a	n/a	n/a	2.50	
25	1.13	24.88	28.00	51.75	52.75	52.75	n/a	n/a	n/a	n/a	2.50	
30	1.13	24.88	28.00	51.75	52.75	52.75	n/a	n/a	n/a	n/a	2.50	
35	1.13	27.38	30.50	56.75	57.75	57.75	n/a	n/a	n/a	n/a	2.50	
40	1.13	27.38	30.50	56.75	57.75	57.75	n/a	n/a	n/a	n/a	2.50	
50	1.75	14.88	18.00	31.13	32.75	32.75	35.25	48.38	51.50	64.63	2.50	
57	1.75	17.38	20.50	36.13	37.75	37.75	40.25	55.88	59.00	74.63	2.50	
66	1.75	18.00	21.13	37.38	39.00	39.00	41.50	57.75	60.88	77.13	2.50	
80	1.75	21.75	24.88	44.88	46.50	46.50	49.00	69.00	72.13	92.13	2.50	
100	1.75	28.00	31.13	57.38	59.00	45.25	61.50	80.88	84.00	103.38	2.50	
120	1.75	28.00	31.13	57.38	59.00	45.25	61.50	80.88	84.00	103.38	2.50	

Table 26. UU coil connection locations

Unit size	E			F			L	
	4 Row LH	4 Row RH	8 Row	4 Row LH	4 Row RH	8 Row	4 Row	8 Row
12	1.75	1.75	2.25	5.00	5.00	8.75	6.63	11.00
14	1.75	1.75	2.25	5.00	5.00	8.75	6.63	11.00
17	1.75	1.75	2.25	5.00	5.00	8.75	6.63	11.00
21	1.75	1.75	2.25	5.00	5.00	8.75	6.63	11.00
25	1.75	1.75	2.25	5.00	5.00	8.75	6.63	11.00
30	1.75	1.75	2.25	5.00	5.00	8.75	6.63	11.00
35	1.75	1.75	2.25	5.00	5.00	8.75	6.63	11.00
40	1.75	1.75	2.25	5.00	5.00	8.75	6.63	11.00
50	0.88	2.88	2.88	5.13	7.13	9.38	8.00	12.25
57	0.88	2.88	2.88	5.13	7.13	9.38	8.00	12.25
66	0.88	2.88	2.88	5.13	7.13	9.38	8.00	12.25
80	0.88	2.88	2.88	5.13	7.13	9.38	8.00	12.25
100	0.88	2.88	2.88	5.13	7.13	9.38	8.00	12.25
120	0.88	2.88	2.88	5.13	7.13	9.38	8.00	12.25

Table 27. 3W coil connection locations - 1 row

Unit Size	1 Row								
	A	B	C	D	H	R	E	F	L
3	1.37	8.87	10.87	18.37	20.24	1.25	1.12	2.8	3.92
4	1.37	8.87	10.87	18.37	20.24	1.25	1.12	2.8	3.92
6	1.365	10.74	14.99	24.365	26.24	1.5	1.12	2.8	3.92
8	1.365	11.99	15.74	26.365	28.24	1.5	0.99	2.93	3.92
10	1.365	11.99	15.74	26.365	28.24	1.5	0.99	2.93	3.92
12	1.37	15.12	16.62	30.37	32.24	1.5	0.99	2.93	3.92
14	1.37	15.12	16.62	30.37	32.24	1.5	0.99	2.93	3.92
17	1.37	18.87	20.87	38.37	40.24	1.5	0.99	2.93	3.92
21	1.37	19.49	24.24	42.365	43.24	1.5	0.99	2.93	3.92
25	1.37	25.12	26.62	50.37	52.24	1.5	0.99	2.93	3.92
30	1.37	25.12	26.62	50.37	52.24	1.5	0.99	2.93	3.92

Dimensions

Table 28. 3W coil connection locations - 2 row

Unit Size	2 Row								
	A	B	C	D	H	R	E	F	L
3	0.87	8.37	11.87	19.37	20.24	1.50	2.19	4.13	6.32
4	0.87	8.37	11.87	19.37	20.24	1.50	2.19	4.13	6.32
6	0.86	11.49	14.74	25.37	26.24	1.50	2.19	4.13	6.32
8	0.86	12.74	15.49	27.37	28.24	2.00	1.94	4.38	6.32
10	0.86	12.74	15.49	27.37	28.24	2.00	1.94	4.38	6.32
12	0.87	14.62	17.62	28.37	32.24	2.00	1.94	4.38	6.32
14	0.87	14.62	17.62	28.37	32.24	2.00	1.94	4.38	6.32
17	0.87	18.37	21.87	35.87	40.24	2.00	1.94	4.38	6.32
21	0.86	20.24	22.99	42.37	43.24	2.50	1.69	4.63	6.32
25	0.87	24.62	27.62	48.37	52.24	2.50	1.69	4.63	6.32
30	0.87	24.62	27.62	48.37	52.24	2.50	1.69	4.63	6.32

Table 29. 3W coil connection locations - 4 row

Unit Size	4 Row								
	A	B	C	D	H	R	E	F	L
3	0.87	8.37	11.87	19.37	20.24	1.50	1.86	4.46	6.32
4	0.87	8.37	11.87	19.37	20.24	1.50	1.86	4.46	6.32
6	0.86	11.49	14.74	25.37	26.24	1.50	1.86	4.46	6.32

Table 30. 3W coil connection locations - 6 row

Unit Size	6 Row								
	A	B	C	D	H	R	E	F	L
3	0.87	8.37	11.87	19.37	20.24	1.50	1.73	6.07	7.80
4	0.87	8.37	11.87	19.37	20.24	1.50	1.73	6.07	7.80
6	0.86	11.49	14.74	25.37	26.24	1.50	1.73	6.07	7.80

Table 31. 3W coil connection locations - 8 row

Unit Size	8 Row								
	A	B	C	D	H	R	E	F	L
3	0.87	8.37	11.87	19.37	20.24	1.50	1.73	7.80	9.53
4	0.87	8.37	11.87	19.37	20.24	1.50	1.73	7.80	9.53
6	0.86	11.49	14.74	25.37	26.24	1.50	1.73	7.80	9.53

Table 32. 3U coil connection locations - 4 rows

Unit Size	4 Row								
	A	B	C	D	H	R	E	F	L
8	0.86	12.74	15.49	27.37	28.24	2.50	1.69	4.63	6.32
10	0.86	12.74	15.49	27.37	28.24	2.50	1.69	4.63	6.32
12	0.87	14.62	17.62	31.37	32.24	2.50	1.69	4.63	6.32
14	0.87	14.62	17.62	31.37	32.24	2.50	1.69	4.63	6.32
17	0.87	18.37	21.87	39.37	40.24	2.50	1.69	4.63	6.32
21	0.86	20.24	22.99	42.37	43.24	2.50	1.69	4.63	6.32
25	1.23	24.62	27.62	51.01	52.24	2.50	1.69	4.63	6.32
30	1.23	24.62	27.62	51.01	52.24	2.50	1.69	4.63	6.32

Table 33. 3U coil connection locations - 6 rows

Unit Size	6 Row								
	A	B	C	D	H	R	E	F	L
8	27.36	13.24	14.99	0.87	28.24	2.00	2.17	5.63	7.80
10	27.36	13.24	14.99	0.87	28.24	2.00	2.17	5.63	7.80
12	31.37	15.12	17.12	0.87	32.24	2.50	2.17	5.63	7.80
14	31.37	15.12	17.12	0.87	32.24	2.50	2.17	5.63	7.80
17	39.37	18.87	21.37	0.87	40.24	2.50	2.17	5.63	7.80
21	0.86	20.24	22.99	42.37	43.24	2.50	2.17	5.63	7.80
25	51.37	25.12	27.12	0.87	52.24	2.50	2.17	5.63	7.80
30	51.37	25.12	27.12	0.87	52.24	2.50	2.17	5.63	7.80

Table 34. 3U coil connection locations - 8 rows

Unit Size	8 Row								
	A	B	C	D	H	R	E	F	L
8	0.86	12.74	15.49	27.37	28.24	2.50	2.17	7.36	9.53
10	0.86	12.74	15.49	27.37	28.24	2.50	2.17	7.36	9.53
12	0.87	14.62	17.62	31.37	32.24	2.50	2.17	7.36	9.53
14	0.87	14.62	17.62	31.37	32.24	2.50	2.17	7.36	9.53
17	0.87	18.37	21.87	39.37	40.24	2.50	2.17	7.36	9.53
21	0.86	20.24	22.99	42.37	43.24	2.50	2.17	7.36	9.53
25	0.87	24.62	27.62	51.37	52.24	2.50	2.17	7.36	9.53
30	0.87	24.62	27.62	51.37	52.24	2.50	2.17	7.36	9.53

Staggered Coils

Figure 18. Staggered coils

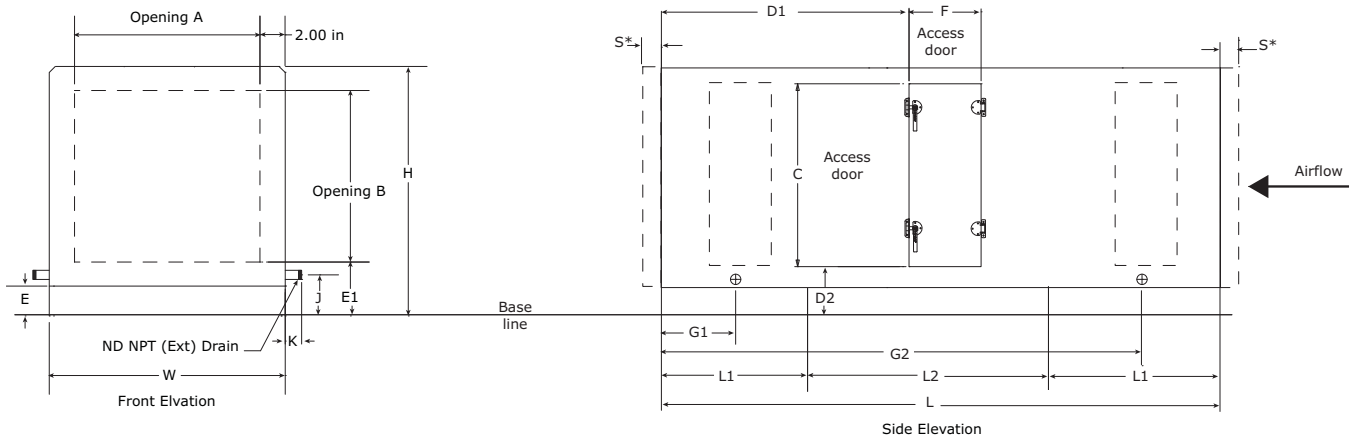


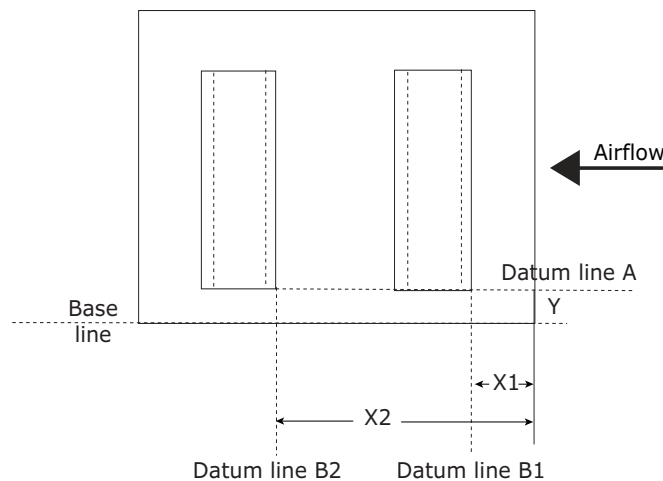
Table 35. Staggered coils - extended-medium and medium-large

Unit Size	Extended-Medium					Medium-Large				
	L	L1	G1	G2	D1	L	L1	G1	G2	D1
21	62.00	19.00	9.50	52.50	18.00	n/a	n/a	n/a	n/a	n/a
25	62.00	19.00	9.50	52.50	18.00	n/a	n/a	n/a	n/a	n/a
30	65.50	19.00	9.50	56.00	20.56	n/a	n/a	n/a	n/a	n/a
35	67.00	19.00	9.50	57.50	22.31	n/a	n/a	n/a	n/a	n/a
40	69.50	19.00	9.50	60.00	23.56	n/a	n/a	n/a	n/a	n/a
50	72.50	19.00	9.50	63.00	25.06	83.50	24.50	12.25	71.25	30.56
57	72.50	19.00	9.50	63.00	25.06	83.50	24.50	12.25	71.25	30.56
66	76.50	19.00	9.50	67.00	27.06	87.50	24.50	12.25	75.25	32.56
80	76.50	19.00	9.50	67.00	27.06	87.50	24.50	12.25	75.25	32.56
100	78.50	19.00	9.50	69.00	28.06	89.50	24.50	12.25	77.25	33.56
120	84.00	19.00	9.50	74.50	30.81	95.00	24.50	12.25	82.75	36.31

Table 36. Staggered coils - small and medium

Unit Size	Small					Medium					
	L	L1	G1	G2	D1	L	L1	G1	G2	D1	L
21	44.00	10.00	5.00	39.00	9.00	52.00	14.00	7.00	45.00	13.00	52.00
25	44.00	10.00	5.00	39.00	9.00	52.00	14.00	7.00	45.00	13.00	52.00
30	47.50	10.00	5.00	42.50	11.56	55.50	14.00	7.00	48.50	15.56	55.50
35	49.00	10.00	5.00	45.00	13.31	57.00	14.00	7.00	50.00	17.31	57.00
40	51.50	10.00	5.00	46.50	14.56	59.50	14.00	7.00	52.50	18.56	59.50
50	54.50	10.00	5.00	49.50	16.06	62.50	14.00	7.00	55.50	20.06	62.50
57	54.50	10.00	5.00	49.50	16.06	62.50	14.00	7.00	55.50	20.06	62.50
66	n/a	n/a	n/a	n/a	n/a	68.50	15.00	7.50	61.00	23.06	68.50
80	n/a	n/a	n/a	n/a	n/a	68.50	15.00	7.50	61.00	23.06	68.50
100	n/a	n/a	n/a	n/a	n/a	70.50	15.00	7.50	63.00	24.06	70.50
120	n/a	n/a	n/a	n/a	n/a	76.00	15.00	7.50	68.50	26.81	76.00

Staggered Coil Locations

Figure 19. Staggered coil location

Table 37. Staggered coil location - 5/8-inch coils (inches)

Unit Size	Extended-Medium			Medium-Large			Small			Medium		
	X1	X2	Y	X1	X2	Y	X1	X2	Y	X1	X2	Y
21 - 25	1.63	44.63	4.88	n/a	n/a	n/a	1.63	35.63	4.88	1.63	39.63	4.88
30	1.63	48.13	4.88	n/a	n/a	n/a	1.63	39.13	4.88	1.63	43.13	4.88
35	1.63	49.63	5.63	n/a	n/a	n/a	1.63	40.63	5.63	1.63	44.63	5.63
40	1.63	52.13	5.63	n/a	n/a	n/a	1.63	43.13	5.63	1.63	47.13	5.63
50-57	1.63	55.13	5.63	1.63	60.63	5.63	1.63	46.13	5.63	1.63	50.13	5.63
66-80	2.13	59.63	9.75	2.13	65.13	9.75	n/a	n/a	n/a	2.13	55.63	9.75
100	2.13	61.63	9.75	2.13	67.13	9.75	n/a	n/a	n/a	2.13	57.63	9.75
120	2.13	67.13	9.75	2.13	72.63	9.75	n/a	n/a	n/a	2.13	63.13	9.75

Notes: The base line includes 2.5-inch base rail for unit sizes 21 - 30, 2-inch base rail for unit sizes 35 - 57 and 4.5-inch base rail for unit sizes 66 - 120. Due to the fact that the base rail is integral to the unit. For coil connection information for refrigerant coils, refer to the submittal information provided from the Trane Official Product Selection Software (TOPSS™) program.

Integral Face-and-Bypass (IFB) Coils

Figure 20. Integral face-and-bypass coil

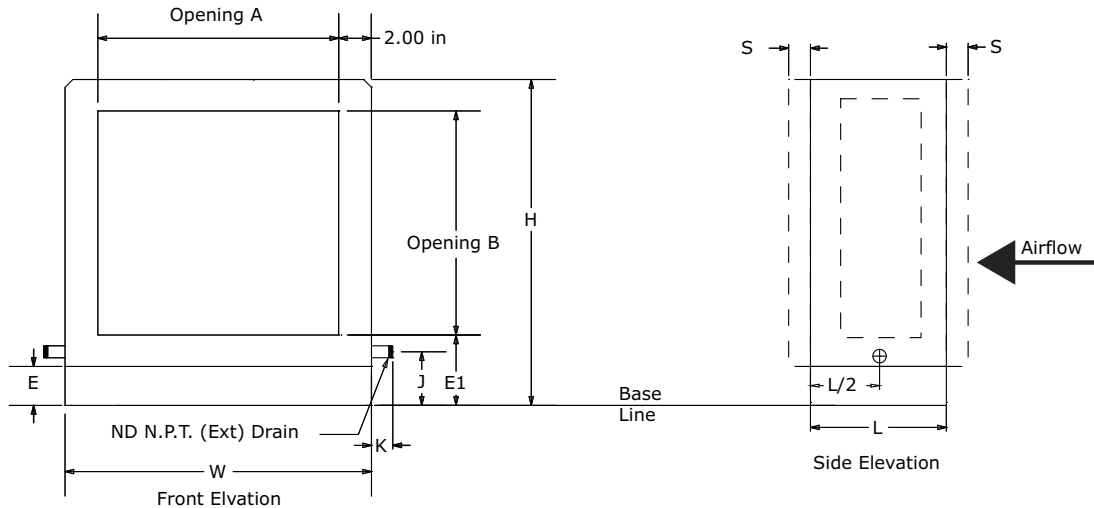


Table 38. Integral face-and-bypass coil dimensions (inches)

Unit size	Model number	W	H	Front/Back Opening		Base ²		Drain Pan ³			Med Lg <4 row	Med Lg 4 row	S ¹
				A	B	E	E1	J	K	ND (NPT)	L	L	
4	A-24	44.00	29.00	40.00	22.50	2.50	4.50	3.38	2.63	1.00	26.50	43.00	1.00
6	A-24	44.00	35.25	40.00	28.75	2.50	4.50	3.38	2.63	1.00	26.50	43.00	1.00
8	B-30	50.50	37.75	46.50	31.25	2.50	4.50	3.38	2.63	1.00	26.50	43.00	1.00
10	B-42	61.50	37.75	57.50	31.25	2.50	4.50	3.38	2.63	1.00	26.50	43.00	1.00
12	B-48	66.50	41.50	62.50	35.00	2.50	4.50	3.38	2.63	1.00	26.50	43.00	1.00
14	B-54	72.00	41.50	68.00	35.00	2.50	4.50	3.38	2.63	1.00	26.50	43.00	1.00
17	C-54	72.00	49.00	68.00	42.50	2.50	4.50	3.38	2.63	1.00	26.50	43.00	1.00
21	C-60	80.00	52.75	76.00	46.25	2.50	4.50	3.38	2.63	1.00	26.50	43.00	1.00
25	D-60	80.00	61.50	76.00	55.00	2.50	4.50	3.38	2.63	1.00	26.50	43.00	1.00
30	D-60	93.50	61.50	89.50	55.00	2.50	4.50	3.38	2.63	1.00	26.50	43.00	1.00
35	E-60	100.00	67.25	96.00	60.75	2.00	4.50	3.38	3.63	1.25	29.50	43.00	1.00
40	E-60	112.50	67.25	108.50	60.75	2.00	4.50	3.38	3.63	1.25	29.50	43.00	1.00
50	VB-10	125.50	75.75	121.50	69.25	2.00	4.50	3.38	3.63	1.25	29.50	n/a	1.00
57	VC-10	125.50	85.50	121.50	79.00	2.00	4.50	3.38	3.63	1.25	29.50	n/a	1.00
66	VC-11	140.50	92.50	136.50	82.50	4.50	8.00	6.13	3.63	1.50	29.50	n/a	1.00
80	VD-11	140.50	107.50	136.50	97.50	4.50	8.00	6.13	3.63	1.50	29.50	n/a	1.00
100	VE-12	154.50	119.75	150.50	109.75	4.50	8.00	6.13	3.63	1.50	29.50	n/a	1.00
120	VE-12	182.00	119.75	178.00	109.75	4.50	8.00	6.13	3.63	1.50	29.50	n/a	1.00

Note: ¹Shipping split flange dimension is for shipping planning purposes only and does not add to installed overall unit length. ²Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120. ³Drain pan connection dimension is nominal pipe size. IAQ drain pan connections can be either LH or RH, but not both.

Figure 21. Horizontal 2-row or 3-row integral face-and-bypass (IFB) coil connection locations

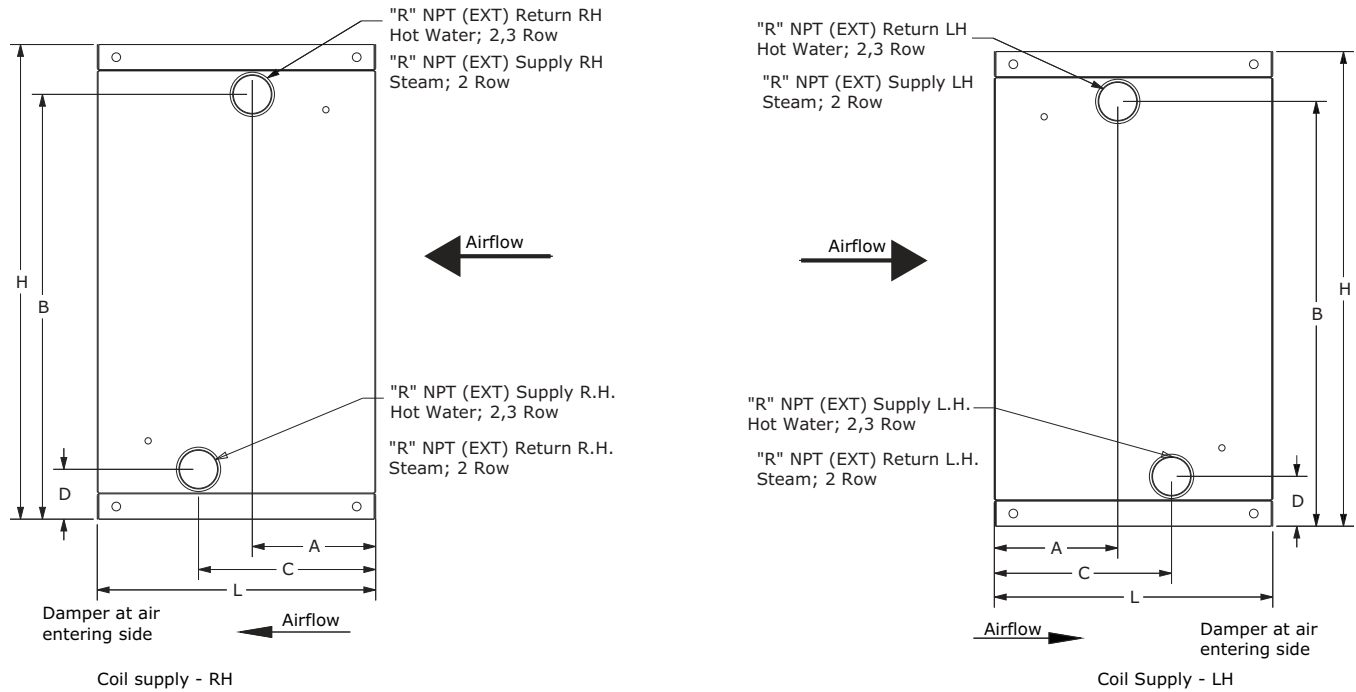
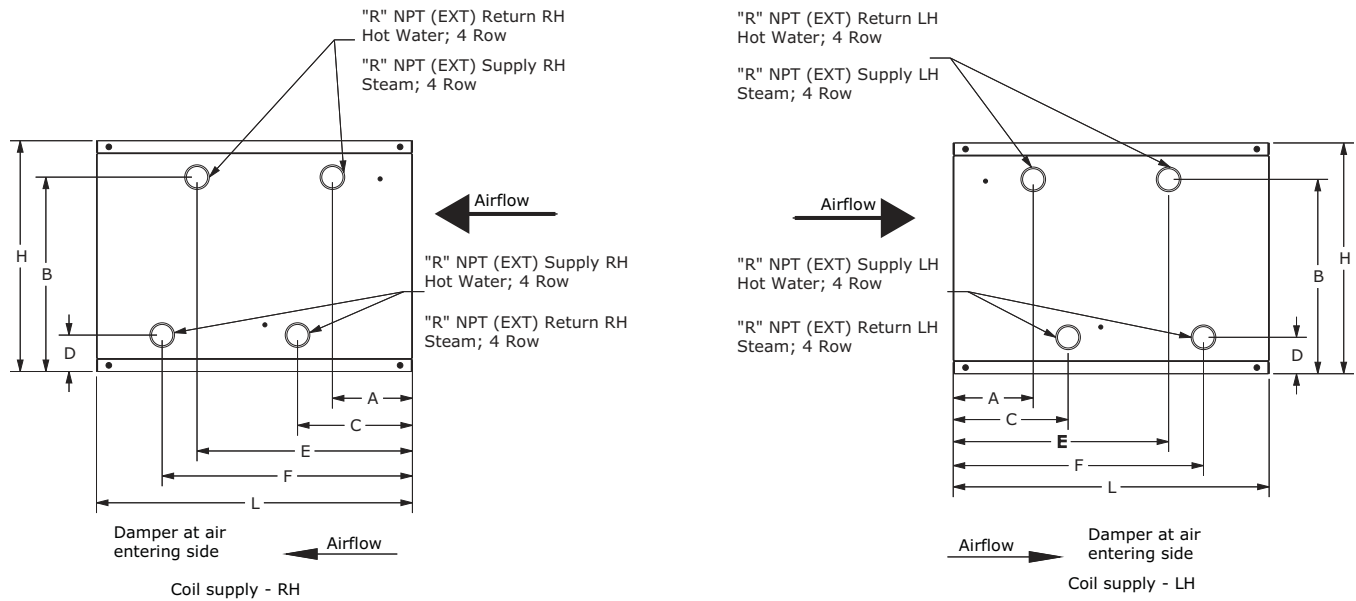


Figure 22. Horizontal 4-row integral face-and-bypass (IFB) coil connection locations



Dimensions

Table 39. Horizontal integral face-and-bypass (IFB) coil connection location dimensions (inches) for steam (ST) and hot water (HW) coils

Unit size	2, 4-row ST; 2, 3, 4-row HW						2-row ST; 2, 3-row HW	4-row ST/HW	2-row ST; 2, 3-row HW	4-row ST/HW	2-row ST; 2, 3-row HW	4-row ST/HW
	A	B	C	D	R	H	E		F		L	
4	9.75	16.31	14.00	3.44	3.00	19.75	n/a	26.25	n/a	30.50	22.00	38.50
6	9.75	16.31	14.00	3.44	3.00	19.75	n/a	26.25	n/a	30.50	22.00	38.50
8	9.75	24.69	14.00	3.44	3.00	28.13	n/a	26.25	n/a	30.50	22.00	38.50
10	9.75	24.69	14.00	3.44	3.00	28.13	n/a	26.25	n/a	30.50	22.00	38.50
12	9.75	25.19	14.00	3.94	3.00	29.13	n/a	26.25	n/a	30.50	22.00	38.50
14	9.75	25.19	14.00	3.94	3.00	29.13	n/a	26.25	n/a	30.50	22.00	38.50
17	9.75	33.56	14.00	3.94	3.00	37.50	n/a	26.25	n/a	30.50	22.00	38.50
21	9.75	33.56	14.00	3.94	3.00	37.50	n/a	26.25	n/a	30.50	22.00	38.50
25	9.75	41.94	14.00	3.94	3.00	45.88	n/a	26.25	n/a	30.50	22.00	38.50
30	9.75	41.94	14.00	3.94	3.00	45.88	n/a	26.25	n/a	30.50	22.00	38.50
35	9.75	50.31	14.00	3.94	3.00	54.25	n/a	26.25	n/a	30.50	22.00	38.50
40	9.75	50.31	14.00	3.94	3.00	54.25	n/a	26.25	n/a	30.50	22.00	38.50

Note: ¹IFB coils offer right/left hand header option and do not offer 3-row steam coil for size 4-40.

Figure 23. Vertical integral face-and-bypass (IFB) coil connection locations

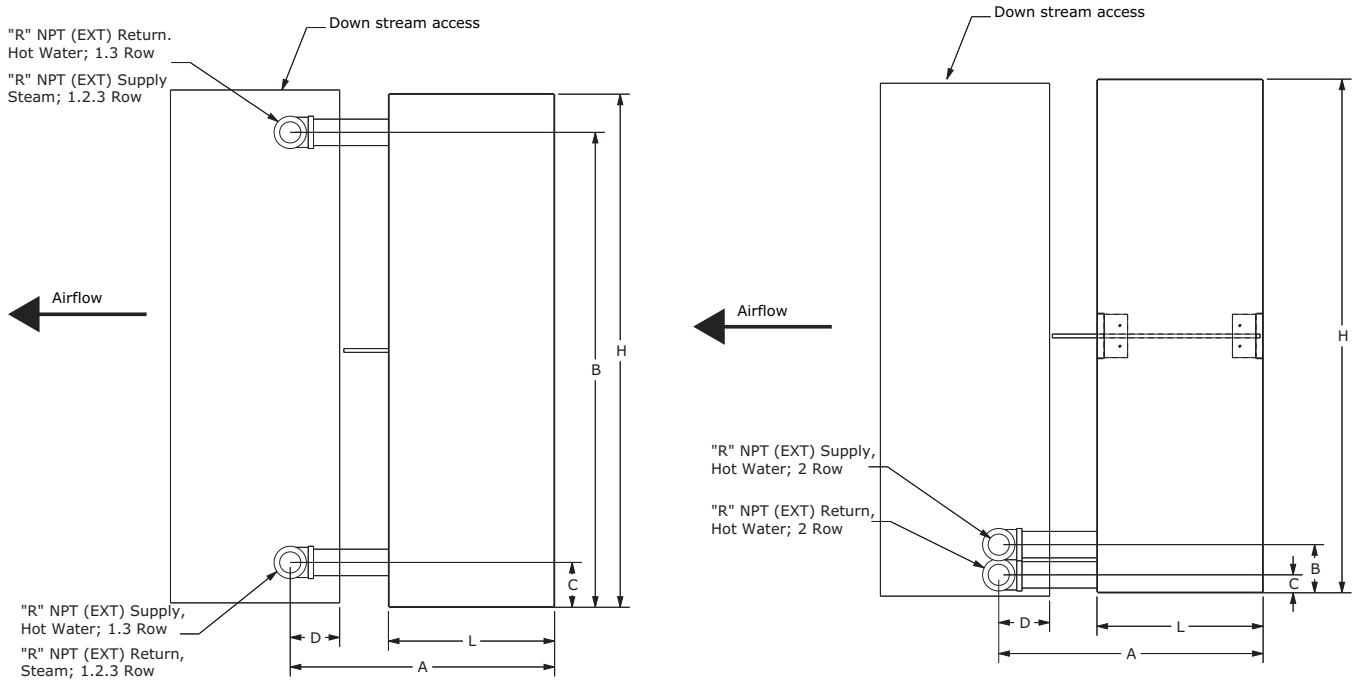


Table 40. Vertical integral face-and-bypass coils

Unit size	A				B					C				D	R			H		L
	1-3 Row ST/HW	1-row ST/HW	2-row HW	2-row ST	3-row ST/HW	1-row ST/HW	2-row HW	2-row ST	3-row HW	1-3-row ST/HW	1,2-row HW, 1-row ST	2-row ST	3-row ST/HW	1-row ST/HW	2,3-row ST/HW	1,2,3-row ST/HW				
50	35.00	50.88	6.38	52.63	53.13	5.94	2.38	3.13	3.31	7.10	3.00	3.00	4.00	56.00	56.00	22.00				
57	35.00	62.88	6.38	64.63	65.13	5.94	2.38	3.13	3.31	7.10	3.00	3.00	4.00	68.00	68.00	22.00				
66	35.00	62.88	6.38	64.63	65.13	5.94	2.38	3.63	3.31	7.60	3.00	4.00	4.00	68.00	68.00	22.00				
80	35.00	74.88	6.38	76.63	77.13	5.94	2.38	3.63	3.31	7.60	3.00	4.00	4.00	80.00	80.00	22.00				
100	35.00	89.94	6.38	94.63	95.13	3.00	2.38	3.63	3.31	7.60	3.00	4.00	4.00	93.69	98.00	22.00				
120	35.00	89.94	6.38	94.63	95.13	3.00	2.38	3.63	3.31	7.60	3.00	4.00	4.00	93.69	98.00	22.00				

Note: HW - Hot Water Coil; ST - Steam Coil. VIFB coils do not offer right/left hand header option but elbows could be flipped to get right/left connections. More details please refer to coil specification.

Controls Section

Table 41. Control section with access door dimensions (inches)

Unit size	W	H	L	Outward Swing Door Only					
				Door side	Hinge Side	C	D2	F	D1
3	31.50	29.00	24.50	RH/LH	AE	22.25	4.25	20.38	2.13
4	44.00	29.00	24.50	RH/LH	AE	22.25	4.25	20.38	2.13
6	44.00	35.25	24.50	RH/LH	AE	28.50	4.25	20.38	2.13
8	50.50	37.75	24.50	RH/LH	AE	31.00	4.25	20.38	2.13
10	61.50	37.75	24.50	RH/LH	AE	31.00	4.25	20.38	2.13
12	66.50	41.50	24.50	RH/LH	AE	34.75	4.25	20.38	2.13
14	72.00	41.50	24.50	RH/LH	AE	34.75	4.25	20.38	2.13
17	72.00	49.00	24.50	RH/LH	AE	42.25	4.25	20.38	2.13
21	80.00	52.75	24.50	RH/LH	AE	46.00	4.25	20.38	2.13
25	80.00	61.50	24.50	RH/LH	AE	54.75	4.25	20.38	2.13
30	93.50	61.50	24.50	RH/LH	AE	54.75	4.25	20.38	2.13
35	100.00	67.25	24.50	RH/LH	AE	60.50	4.25	20.38	2.13
40	112.50	67.25	24.50	RH/LH	AE	60.50	4.25	20.38	2.13
50	125.50	75.75	24.50	RH/LH	AE	69.00	4.25	20.38	2.13
57	125.50	85.50	24.50	RH/LH	AE	60.50	4.25	20.38	2.13
66	140.50	92.50	24.50	RH/LH	AE	60.50	7.75	20.38	2.13
80	140.50	107.50	24.50	RH/LH	AE	60.50	7.75	20.38	2.13
100	154.50	119.75	24.50	RH/LH	AE	60.50	7.75	20.38	2.13
120	182.00	119.75	24.50	RH/LH	AE	60.50	7.75	20.38	2.13

Note: Access door available on opposite side from high or low voltage door

Dimensions

Figure 24. Control section with high voltage controls door

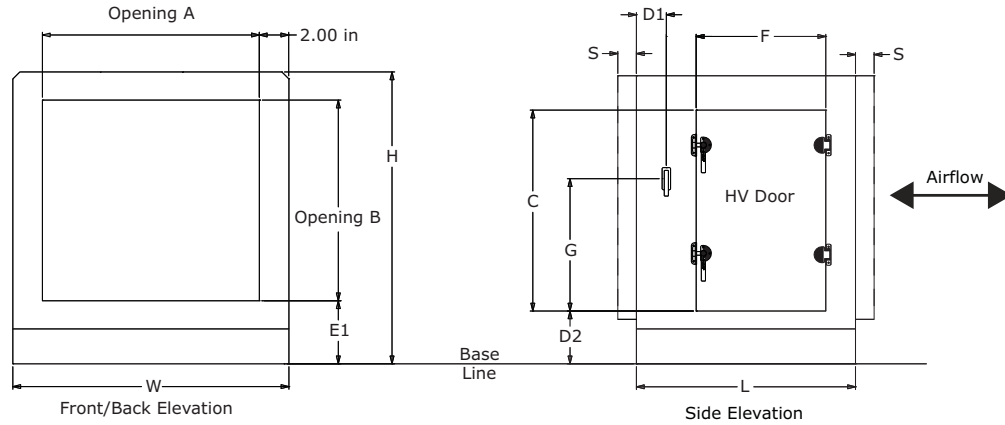
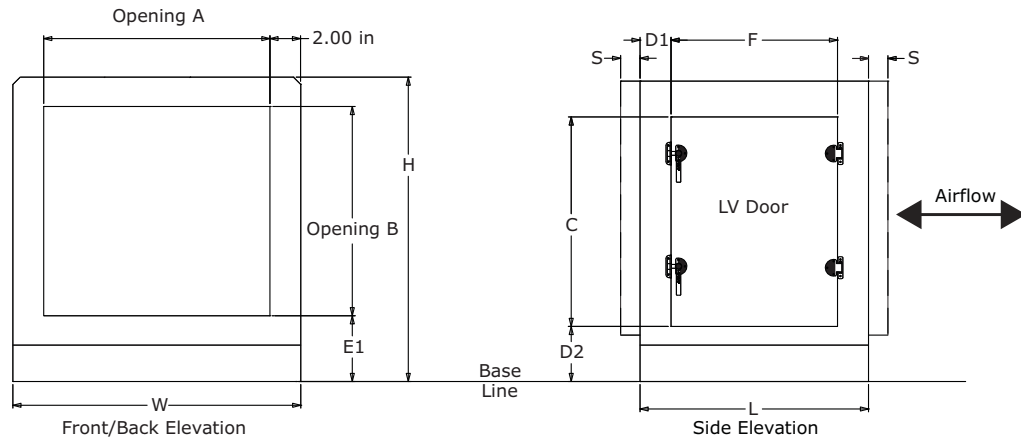


Table 42. Controls section with high voltage controls door dimensions (inches)

Unit size	W	H	L	Outward Swing Door Only									
				Door side	Hinge side	C	D2	Unit level 1	Unit level 2	F	D1	D	S ¹
3	31.50	29.00	24.50	RH / LH	RH	22.25	4.25	12.25	12.25	20.38	2.13	3.00	1.00
4	44.00	29.00	24.50	RH / LH	RH	22.25	4.25	12.25	12.25	20.38	2.13	3.00	1.00
6	44.00	35.25	24.50	RH / LH	RH	28.50	4.25	18.50	12.25	20.38	2.13	3.00	1.00
8	50.50	37.75	24.50	RH / LH	RH	31.00	4.25	21.00	12.25	20.38	2.13	3.00	1.00
10	61.50	37.75	24.50	RH / LH	RH	31.00	4.25	21.00	12.25	20.38	2.13	3.00	1.00
12	66.50	41.50	24.50	RH / LH	RH	34.75	4.25	24.75	12.25	20.38	2.13	3.00	1.00
14	72.00	41.50	24.50	RH / LH	RH	34.75	4.25	24.75	12.25	20.38	2.13	3.00	1.00
17	72.00	49.00	24.50	RH / LH	RH	42.25	4.25	32.25	12.25	20.38	2.13	3.00	1.00
21	80.00	52.75	24.50	RH / LH	RH	46.00	4.25	36.00	12.25	20.38	2.13	3.00	1.00
25	80.00	61.50	24.50	RH / LH	RH	54.75	4.25	38.75	n/a	20.38	2.13	3.00	1.00
30	93.50	61.50	24.50	RH / LH	RH	54.75	4.25	38.75	n/a	20.38	2.13	3.00	1.00
35	100.00	67.25	24.50	RH / LH	RH	60.50	4.25	44.75	n/a	20.38	2.13	3.00	1.00
40	112.50	67.25	24.50	RH / LH	RH	60.50	4.25	44.75	n/a	20.38	2.13	3.00	1.00
50	125.50	75.75	24.50	RH / LH	RH	69.00	4.25	44.75	n/a	20.38	2.13	3.00	1.00
57	125.50	85.50	24.50	RH / LH	RH	60.50	4.25	44.75	n/a	20.38	2.13	3.00	1.00
66	140.50	92.50	24.50	RH / LH	RH	60.50	7.75	44.75	n/a	20.38	2.13	3.00	1.00
80	140.50	107.50	24.50	RH / LH	RH	60.50	7.75	44.75	n/a	20.38	2.13	3.00	1.00
100	154.50	119.75	24.50	RH / LH	RH	60.50	7.75	44.75	n/a	20.38	2.13	3.00	1.00
120	182.00	119.75	24.50	RH / LH	RH	60.50	7.75	44.75	n/a	20.38	2.13	3.00	1.00

Note: ¹Shipping split flange dimension is for shipping planning purposes only and does not add to installed overall unit length. ²Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120. High and low voltage doors are separate doors. Non-end-of-unit section has same dimensions as access section.

Figure 25. Controls section with low voltage controls door

Table 43. Control section with low voltage controls door dimensions (inches)

Unit size	W	H	L	Outward swing door only						
				Door side	Hinge side	C	D2	F	D1	S ¹
3	31.50	29.00	24.50	RH / LH	RH	22.25	4.25	20.38	2.13	1.00
4	44.00	29.00	24.50	RH / LH	RH	22.25	4.25	20.38	2.13	1.00
6	44.00	35.25	24.50	RH / LH	RH	28.50	4.25	20.38	2.13	1.00
8	50.50	37.75	24.50	RH / LH	RH	31.00	4.25	20.38	2.13	1.00
10	61.50	37.75	24.50	RH / LH	RH	31.00	4.25	20.38	2.13	1.00
12	66.50	41.50	24.50	RH / LH	RH	34.75	4.25	20.38	2.13	1.00
14	72.00	41.50	24.50	RH / LH	RH	34.75	4.25	20.38	2.13	1.00
17	72.00	49.00	24.50	RH / LH	RH	42.25	4.25	20.38	2.13	1.00
21	80.00	52.75	24.50	RH / LH	RH	46.00	4.25	20.38	2.13	1.00
25	80.00	61.50	24.50	RH / LH	RH	54.75	4.25	20.38	2.13	1.00
30	93.50	61.50	24.50	RH / LH	RH	54.75	4.25	20.38	2.13	1.00
35	100.00	67.25	24.50	RH / LH	RH	60.50	4.25	20.38	2.13	1.00
40	112.50	67.25	24.50	RH / LH	RH	60.50	4.25	20.38	2.13	1.00
50	125.50	75.75	24.50	RH / LH	RH	69.00	4.25	20.38	2.13	1.00
57	125.50	85.50	24.50	RH / LH	RH	60.50	4.25	20.38	2.13	1.00
66	140.50	92.50	24.50	RH / LH	RH	60.50	7.75	20.38	2.13	1.00
80	140.50	107.50	24.50	RH / LH	RH	60.50	7.75	20.38	2.13	1.00
100	154.50	119.75	24.50	RH / LH	RH	60.50	7.75	20.38	2.13	1.00
120	182.00	119.75	24.50	RH / LH	RH	60.50	7.75	20.38	2.13	1.00

Note: ¹Shipping split flange dimension is for shipping planning purposes only and does not add to installed overall unit length. ²Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120.



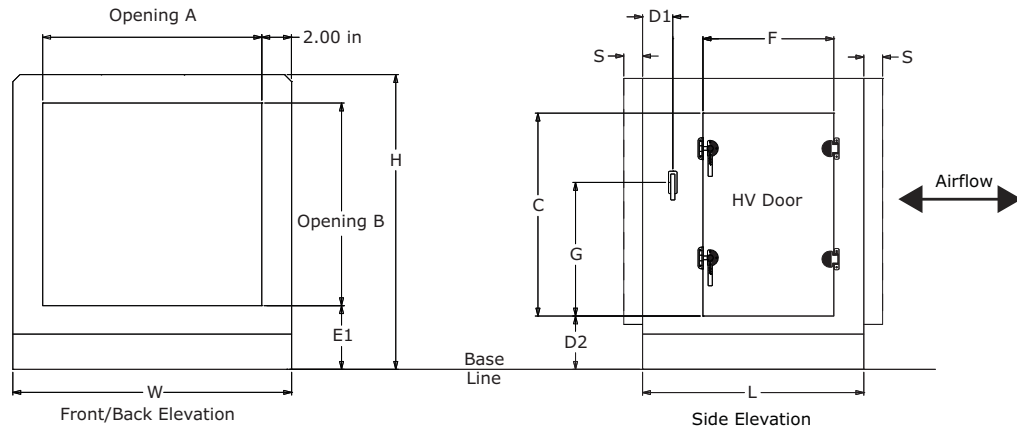
Dimensions

End-of-Unit Control Section Doors

Table 44. Control section at end-of-unit access door dimensions (inches)

Unit size	W	H	L	Outward Swing Door Only					
				Door side	Hinge Side	C	D2	F	D1
3	31.50	29.00	28.50	RH/LH	AE	22.25	4.25	20.38	4.13
4	44.00	29.00	28.50	RH/LH	AE	22.25	4.25	20.38	4.13
6	44.00	35.25	28.50	RH/LH	AE	28.50	4.25	20.38	4.13
8	50.50	37.75	28.50	RH/LH	AE	31.00	4.25	20.38	4.13
10	61.50	37.75	28.50	RH/LH	AE	31.00	4.25	20.38	4.13
12	66.50	41.50	28.50	RH/LH	AE	34.75	4.25	20.38	4.13
14	72.00	41.50	28.50	RH/LH	AE	34.75	4.25	20.38	4.13
17	72.00	49.00	28.50	RH/LH	AE	42.25	4.25	20.38	4.13
21	80.00	52.75	28.50	RH/LH	AE	46.00	4.25	20.38	4.13
25	80.00	61.50	28.50	RH/LH	AE	54.75	4.25	20.38	4.13
30	93.50	61.50	28.50	RH/LH	AE	54.75	4.25	20.38	4.13
35	100.00	67.25	28.50	RH/LH	AE	60.50	4.25	20.38	4.13
40	112.50	67.25	28.50	RH/LH	AE	60.50	4.25	20.38	4.13
50	125.50	75.75	28.50	RH/LH	AE	69.00	4.25	20.38	4.13
57	125.50	85.50	28.50	RH/LH	AE	60.50	4.25	20.38	4.13
66	140.50	92.50	28.50	RH/LH	AE	60.50	7.75	20.38	4.13
80	140.50	107.50	28.50	RH/LH	AE	60.50	7.75	20.38	4.13
100	154.50	119.75	28.50	RH/LH	AE	60.50	7.75	20.38	4.13
120	182.00	119.75	28.50	RH/LH	AE	60.50	7.75	20.38	4.13

Note: Access door available on opposite side from high or low voltage door.

Figure 26. Controls section at end-of-unit with high voltage controls door

Table 45. Control section at end-of-unit with high voltage controls door dimensions (inches)

Unit size	W	H	L	Door side	Hinge Side	Outward Swing Door Only						
						C	D2	G - Unit level 1	G - Unit level 2	F	D1	S ¹
3	31.50	29.00	28.50	RH / LH	RH	22.25	4.25	12.25	12.25	20.38	4.13	1.00
4	44.00	29.00	28.50	RH / LH	RH	22.25	4.25	12.25	12.25	20.38	4.13	1.00
6	44.00	35.25	28.50	RH / LH	RH	28.50	4.25	18.50	12.25	20.38	4.13	1.00
8	50.50	37.75	28.50	RH / LH	RH	31.00	4.25	21.00	12.25	20.38	4.13	1.00
10	61.50	37.75	28.50	RH / LH	RH	31.00	4.25	21.00	12.25	20.38	4.13	1.00
12	66.50	41.50	28.50	RH / LH	RH	34.75	4.25	24.75	12.25	20.38	4.13	1.00
14	72.00	41.50	28.50	RH / LH	RH	34.75	4.25	24.75	12.25	20.38	4.13	1.00
17	72.00	49.00	28.50	RH / LH	RH	42.25	4.25	32.25	12.25	20.38	4.13	1.00
21	80.00	52.75	28.50	RH / LH	RH	46.00	4.25	36.00	12.25	20.38	4.13	1.00
25	80.00	61.50	28.50	RH / LH	RH	54.75	4.25	38.75	n/a	20.38	4.13	1.00
30	93.50	61.50	28.50	RH / LH	RH	54.75	4.25	38.75	n/a	20.38	4.13	1.00
35	100.00	67.25	28.50	RH / LH	RH	60.50	4.25	44.75	n/a	20.38	4.13	1.00
40	112.50	67.25	28.50	RH / LH	RH	60.50	4.25	44.75	n/a	20.38	4.13	1.00
50	125.50	75.75	28.50	RH / LH	RH	69.00	4.25	44.75	n/a	20.38	4.13	1.00
57	125.50	85.50	28.50	RH / LH	RH	60.50	4.25	44.75	n/a	20.38	4.13	1.00
66	140.50	92.50	28.50	RH / LH	RH	60.50	7.75	44.75	n/a	20.38	4.13	1.00
80	140.50	107.50	28.50	RH / LH	RH	60.50	7.75	44.75	n/a	20.38	4.13	1.00
100	154.50	119.75	28.50	RH / LH	RH	60.50	7.75	44.75	n/a	20.38	4.13	1.00
120	182.00	119.75	28.50	RH / LH	RH	60.50	7.75	44.75	n/a	20.38	4.13	1.00

Note: ¹Shipping split flange dimension is for shipping planning purposes only and does not add to installed overall unit length. ²Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120. High and low voltage doors are separate doors. End-of-unit section dimensions are 4 inches longer than non-EOU section.

Figure 27. Controls section at end-of-unit with low voltage controls door

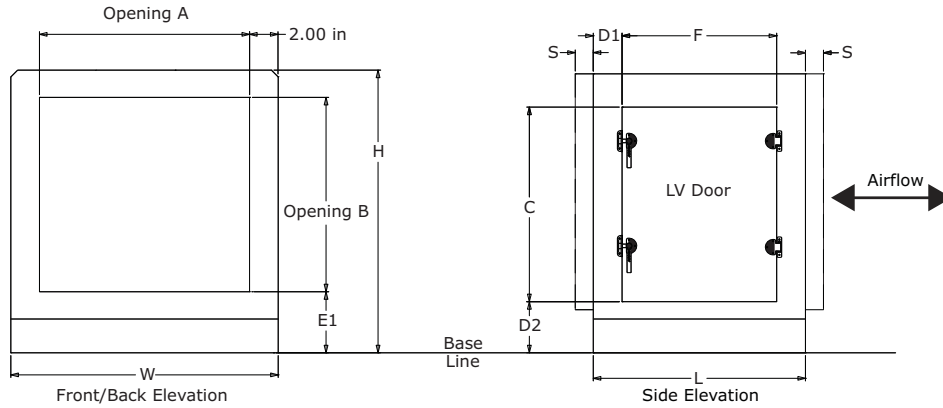


Table 46. Control section at end-of-unit with low voltage controls door dimensions (inches)

Unit size	W	H	L	Outward Swing Door Only						
				Door side	Hinge side	C	D2	F	D1	S ¹
3	31.50	29.00	28.50	RH / LH	RH	22.25	4.25	20.38	4.13	1.00
4	44.00	29.00	28.50	RH / LH	RH	22.25	4.25	20.38	4.13	1.00
6	44.00	35.25	28.50	RH / LH	RH	28.50	4.25	20.38	4.13	1.00
8	50.50	37.75	28.50	RH / LH	RH	31.00	4.25	20.38	4.13	1.00
10	61.50	37.75	28.50	RH / LH	RH	31.00	4.25	20.38	4.13	1.00
12	66.50	41.50	28.50	RH / LH	RH	34.75	4.25	20.38	4.13	1.00
14	72.00	41.50	28.50	RH / LH	RH	34.75	4.25	20.38	4.13	1.00
17	72.00	49.00	28.50	RH / LH	RH	42.25	4.25	20.38	4.13	1.00
21	80.00	52.75	28.50	RH / LH	RH	46.00	4.25	20.38	4.13	1.00
25	80.00	61.50	28.50	RH / LH	RH	54.75	4.25	20.38	4.13	1.00
30	93.50	61.50	28.50	RH / LH	RH	54.75	4.25	20.38	4.13	1.00
35	100.00	67.25	28.50	RH / LH	RH	60.50	4.25	20.38	4.13	1.00
40	112.50	67.25	28.50	RH / LH	RH	60.50	4.25	20.38	4.13	1.00
50	125.50	75.75	28.50	RH / LH	RH	69.00	4.25	20.38	4.13	1.00
57	125.50	85.50	28.50	RH / LH	RH	60.50	4.25	20.38	4.13	1.00
66	140.50	92.50	28.50	RH / LH	RH	60.50	7.75	20.38	4.13	1.00
80	140.50	107.50	28.50	RH / LH	RH	60.50	7.75	20.38	4.13	1.00
100	154.50	119.75	28.50	RH / LH	RH	60.50	7.75	20.38	4.13	1.00
120	182.00	119.75	28.50	RH / LH	RH	60.50	7.75	20.38	4.13	1.00

Note: ¹Shipping split flange dimension is for shipping planning purposes only and does not add to installed overall unit length. ²Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120. Low voltage door is available on opposite side from high voltage door. End-of-unit section dimensions are 4 inches longer than non-EOU section.

Dampers

Exhaust Dampers

Figure 28. Exhaust damper section for outdoor units

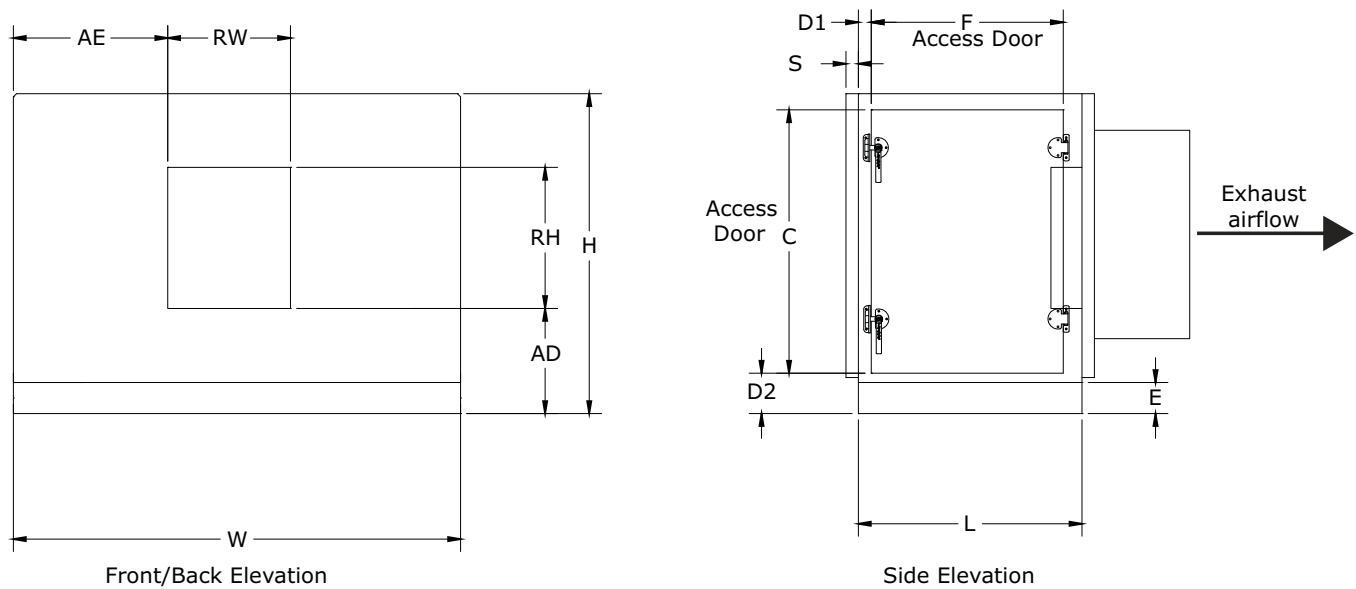


Table 47. Exhaust damper section for outdoor units dimensions (inches)

Unit Size	Unit Dimensions			Door					Exhaust Damper Location			
	Ext W	Ext L	Ext H	C	F	D1	D2	E	RH	RW	AD	AE
3	31.50	19.00	29.00	22.25	14.00	2.13	4.25	2.50	14.25	17.00	8.00	7.25
4	44.00	19.00	29.00	22.25	14.00	2.13	4.25	2.50	14.25	17.00	6.13	13.50
6	44.00	19.00	35.25	28.50	14.00	2.13	4.25	2.50	18.75	17.00	7.50	13.50
8	50.50	19.00	37.75	31.00	14.00	2.13	4.25	2.50	23.25	17.00	9.25	16.75
10	61.50	19.00	37.75	31.00	14.00	2.13	4.25	2.50	23.25	19.38	6.00	21.06
12	66.50	19.00	41.50	34.75	14.00	2.13	4.25	2.50	30.00	19.38	7.63	23.56
14	72.00	19.00	41.50	34.75	14.00	2.13	4.25	2.50	26.25	22.75	9.50	24.63
17	72.00	19.00	49.00	42.25	14.00	2.13	4.25	2.50	33.50	22.75	10.50	24.63
21	80.00	19.00	52.75	46.00	14.00	2.13	4.25	2.50	39.75	22.75	9.25	28.63
25	80.00	19.00	61.50	54.75	14.00	2.13	4.25	2.50	48.75	22.75	7.88	28.63
30	93.50	19.00	61.50	54.75	14.00	2.13	4.25	2.50	51.50	23.25	6.13	35.13
35	100.00	24.50	67.25	60.50	17.38	2.13	4.13	2.50	48.50	28.50	8.75	35.75
40	112.50	24.50	67.25	60.50	17.38	2.13	4.13	2.50	51.00	31.38	8.75	40.56
50	125.50	24.50	75.75	69.00	17.38	2.13	4.13	2.50	59.75	34.25	8.75	45.63
57	125.50	22.44	85.50	60.50	17.38	2.13	4.13	2.50	68.75	34.25	8.75	45.63
66	140.50	22.44	92.50	60.50	17.38	2.13	7.63	6.00	73.75	34.25	9.25	53.13
80	140.50	22.44	107.50	60.50	17.38	2.13	7.63	6.00	88.00	34.25	9.75	53.13
100	154.50	22.44	119.75	60.50	17.38	2.13	7.63	6.00	98.00	40.00	12.00	57.25
120	182.00	22.44	119.75	60.50	17.38	2.13	7.63	6.00	99.00	45.75	11.00	68.13

Note: This exhaust damper is only used for outdoor Performance Climate Changer air handlers. On the first level the base height will be 6 inches, on the second level it will be 2.5 inches.

External Face-and-Bypass Dampers

Figure 29. External face-and-bypass damper

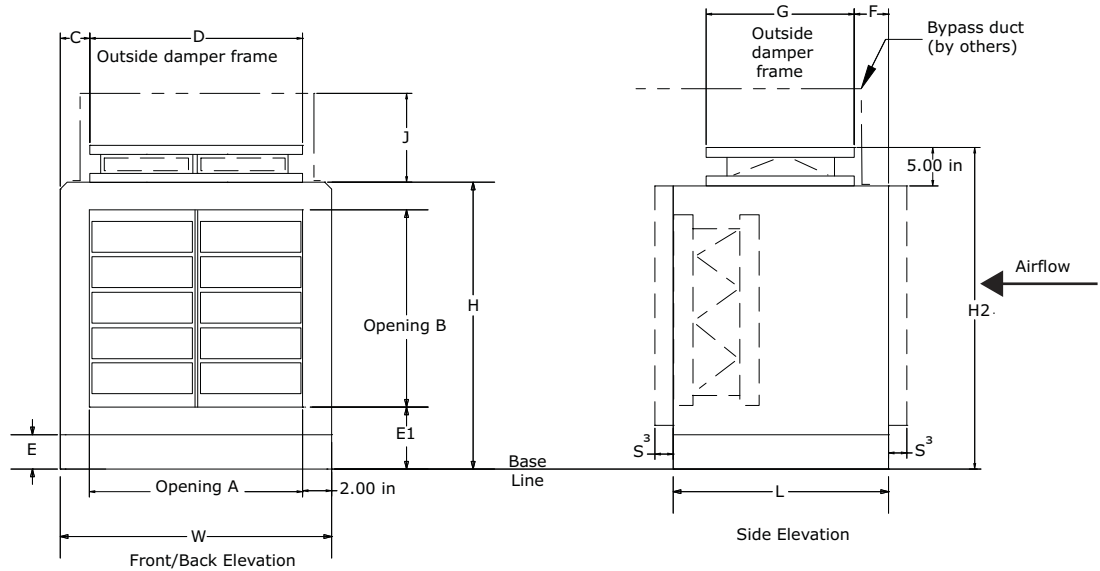


Table 48. External face-and-bypass damper dimensions (inches)

Unit Size	W	L	H	H2	A	B	C	D	Base ²		F	G	J	Ship split
									E	E1				S ¹
3	31.50	19.00	29.00	34.00	27.50	22.50	5.75	20.00	2.50	4.50	2.50	14.00	14.13	1.00
4	44.00	19.00	29.00	34.00	40.00	22.50	5.75	32.50	2.50	4.50	2.50	14.00	16.13	1.00
6	44.00	19.00	35.25	40.25	40.00	28.75	5.75	32.50	2.50	4.50	2.50	14.00	16.13	1.00
8	50.50	19.00	37.75	42.75	46.50	31.25	5.75	39.00	2.50	4.50	2.50	14.00	16.13	1.00
10	61.50	19.00	37.75	42.75	57.50	31.25	5.75	50.00	2.50	4.50	2.50	14.00	16.13	1.00
12	66.50	19.00	41.50	46.50	62.50	35.00	5.75	55.00	2.50	4.50	2.50	14.00	20.13	1.00
14	72.00	19.00	41.50	46.50	68.00	35.00	5.75	60.50	2.50	4.50	2.50	14.00	20.13	1.00
17	72.00	19.00	49.00	54.00	68.00	42.50	5.75	60.50	2.50	4.50	2.50	14.00	20.13	1.00
21	80.00	19.00	52.75	57.75	76.00	46.25	5.75	68.50	2.50	4.50	2.50	14.00	26.13	1.00
25	80.00	19.00	61.50	66.50	76.00	55.00	5.75	68.50	2.50	4.50	2.50	14.00	26.13	1.00
30	93.50	19.00	61.50	66.50	89.50	55.00	5.75	82.00	2.50	4.50	2.50	14.00	26.13	1.00
35	100.00	22.00	67.25	72.25	96.00	60.75	7.62	84.88	2.50	4.50	4.13	14.00	32.50	1.00
40	112.50	22.00	67.25	72.25	108.50	60.75	7.62	97.38	2.50	4.50	4.13	14.00	32.50	1.00
50	125.50	22.00	75.75	80.75	121.50	69.25	7.62	110.38	2.50	4.50	4.13	14.00	32.50	1.00
57	125.50	22.00	85.50	90.50	121.50	79.00	7.62	110.38	2.50	4.50	4.13	14.00	42.50	1.00
66	140.50	39.00	92.50	94.00	136.50	82.50	7.62	125.38	6.00	8.00	6.88	25.50	42.50	1.00
80	140.50	39.00	107.50	109.00	136.50	97.50	9.62	121.38	6.00	8.00	6.88	25.50	42.50	1.00
100	154.50	39.00	119.75	121.25	150.50	109.75	9.62	135.38	6.00	8.00	6.88	25.50	42.50	1.00
120	182.00	39.00	119.75	121.25	178.00	109.75	9.62	162.88	6.00	8.00	6.88	25.50	42.50	1.00

Note: ¹Shipping split flange dimension is for shipping planning purposes only and does not add to installed overall unit length. ²Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120.

Table 49. Damper face areas

Unit Size	Face Damper Area (ft ²)	Bypass Damper Area (ft ²)
3	3.18	1.92
4	4.89	3.14
6	6.32	3.14
8	7.46	3.77
10	9.41	4.83
12	12.62	5.32
14	13.81	5.85
17	16.36	5.85
21	21.27	6.63
25	24.14	6.63

Unit Size	Face Damper Area (ft ²)	Bypass Damper Area (ft ²)
30	28.68	7.94
35	32.88	7.93
40	36.48	8.85
50	47.85	10.11
57	51.53	10.11
66	63.57	21.09
80	78.41	20.39
100	98.28	22.86
120	117.89	27.73

Table 50. Recommended bypass duct sizes (inches)

Unit Size	H	W	L
3	15.63	20.00	14.13
4	17.63	33.00	16.13
6	17.63	33.00	16.13
8	17.63	39.00	16.13
10	17.63	50.00	16.13
12	21.63	55.00	20.13
14	21.63	61.00	20.13
17	21.63	61.00	20.13
21	27.63	69.00	26.13
25	27.63	69.00	26.13

Unit Size	H	W	L
30	27.63	82.00	26.13
35	45.00	80.00	36.00
40	45.00	92.50	36.00
50	45.00	105.50	36.00
57	47.00	82.00	40.00
66	47.50	120.50	40.00
80	55.50	120.50	48.00
100	55.50	134.50	48.00
120	55.50	162.00	48.00

Face Dampers

Figure 30. Face damper

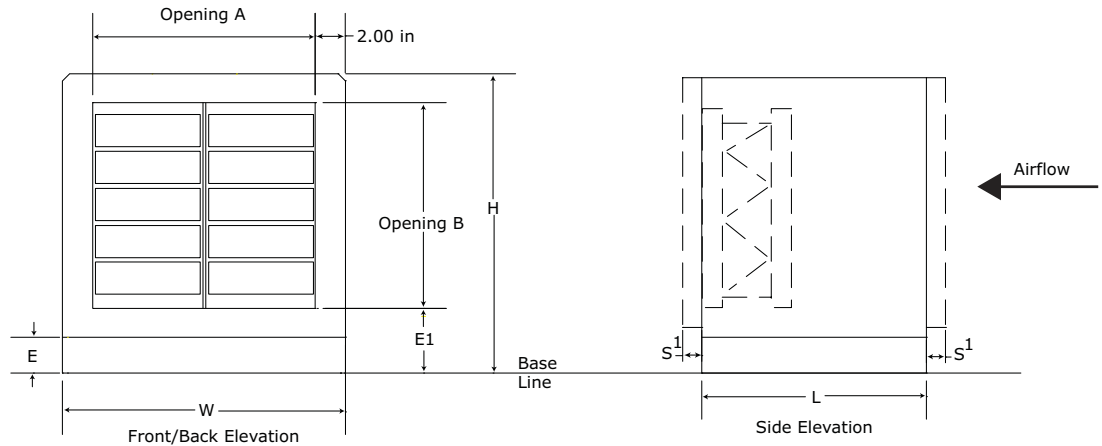


Table 51. Face damper dimensions (inches)

Unit Size	W	L	H	A	B	Base ²		Ship split
						E	E1	S ¹
3	31.50	19.00	29.00	27.50	22.50	2.50	4.50	1.00
4	44.00	19.00	29.00	40.00	22.50	2.50	4.50	1.00
6	44.00	19.00	35.25	40.00	28.75	2.50	4.50	1.00
8	50.50	19.00	37.75	46.50	31.25	2.50	4.50	1.00
10	61.50	19.00	37.75	57.50	31.25	2.50	4.50	1.00
12	66.50	19.00	41.50	62.50	35.00	2.50	4.50	1.00
14	72.00	19.00	41.50	68.00	35.00	2.50	4.50	1.00
17	72.00	19.00	49.00	68.00	42.50	2.50	4.50	1.00
21	80.00	19.00	52.75	76.00	46.25	2.50	4.50	1.00
25	80.00	19.00	61.50	76.00	55.00	2.50	4.50	1.00
30	93.50	19.00	61.50	89.50	55.00	2.50	4.50	1.00
35	100.00	19.00	67.25	96.00	60.75	2.50	4.50	1.00
40	112.50	19.00	67.25	108.50	60.75	2.50	4.50	1.00
50	125.50	19.00	75.75	121.50	69.25	2.50	4.50	1.00
57	125.50	19.00	85.50	121.50	79.00	2.50	4.50	1.00
66	140.50	19.00	92.50	136.50	82.50	6.00	8.00	1.00
80	140.50	19.00	107.50	136.50	97.50	6.00	8.00	1.00
100	154.50	19.00	119.75	150.50	109.75	6.00	8.00	1.00
120	182.00	19.00	119.75	178.00	109.75	6.00	8.00	1.00

Note: ¹Shipping split flange dimension is for shipping planning purposes only and does not add to installed overall unit length.
²Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120.

Internal Face-and-Bypass Dampers

Figure 31. Internal face-and-bypass damper

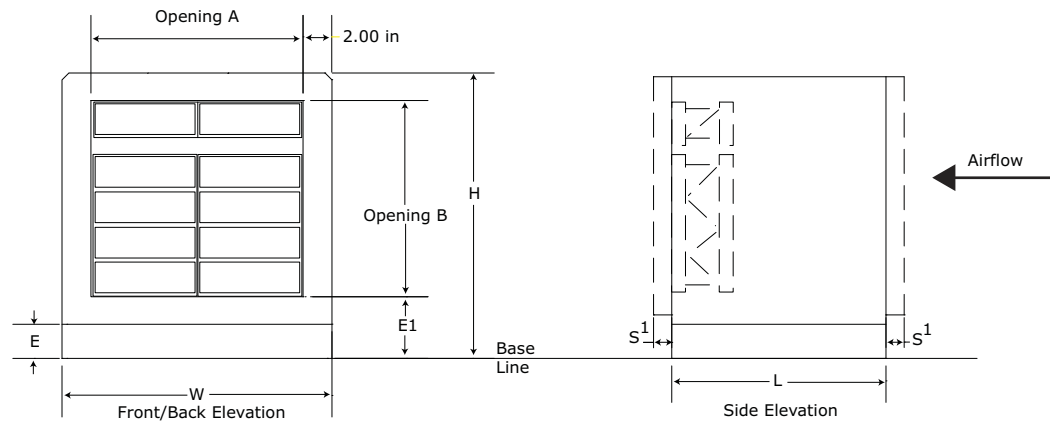


Table 52. Internal face-and-bypass dimensions (inches)

Unit Size	W	L	H	A	B	Base ²		Ship split
						E	E1	S ¹
3	31.50	19.00	29.00	27.50	22.50	2.50	4.50	1.00
4	44.00	19.00	29.00	40.00	22.50	2.50	4.50	1.00
6	44.00	19.00	35.25	40.00	28.75	2.50	4.50	1.00
8	50.50	19.00	37.75	46.50	31.25	2.50	4.50	1.00
10	61.50	19.00	37.75	57.50	31.25	2.50	4.50	1.00
12	66.50	19.00	41.50	62.50	35.00	2.50	4.50	1.00
14	72.00	19.00	41.50	68.00	35.00	2.50	4.50	1.00
17	72.00	19.00	49.00	68.00	42.50	2.50	4.50	1.00
21	80.00	19.00	52.75	76.00	46.25	2.50	4.50	1.00
25	80.00	19.00	61.50	76.00	55.00	2.50	4.50	1.00
30	93.50	19.00	61.50	89.50	55.00	2.50	4.50	1.00
35	100.00	19.00	67.25	96.00	60.75	2.50	4.50	1.00
40	112.50	19.00	67.25	108.50	60.75	2.50	4.50	1.00
50	125.50	19.00	75.75	121.50	69.25	2.50	4.50	1.00
57	125.50	19.00	85.50	121.50	79.00	2.50	4.50	1.00
66	140.50	19.00	92.50	136.50	82.50	6.00	8.00	1.00
80	140.50	19.00	107.50	136.50	97.50	6.00	8.00	1.00
100	154.50	19.00	119.75	150.50	109.75	6.00	8.00	1.00
120	182.00	19.00	119.75	178.00	109.75	6.00	8.00	1.00

Note: ¹Shipping split flange dimension is for shipping planning purposes only and does not add to installed overall unit length. ²Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120.

Table 53. Damper face areas

Face Damper Area (ft ²)	Bypass Damper Area (ft ²)
1.63	1.32
2.50	2.04
2.76	2.04
4.74	2.41
5.97	3.04
9.26	3.32
10.14	3.64
12.56	3.64
15.55	5.45
16.85	6.96
20.02	8.27
18.73	11.83
20.77	13.12
32.28	14.90
36.63	14.90
46.62	16.96
56.51	16.96
76.27	18.87
91.48	22.64

Diffuser

Figure 32. Diffuser section

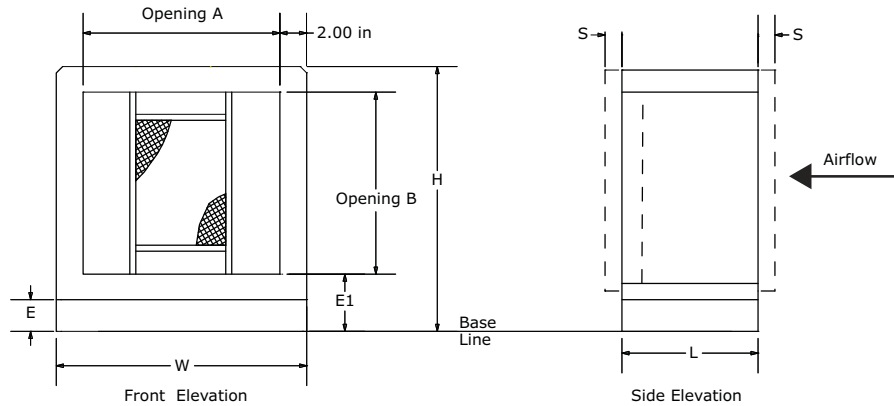


Table 54. Diffuser section dimensions (inches)

Unit Size	W	L	H	Front/Back Opening		Base ²		Ship split
				A	B	E	E1	S ¹
3	31.50	10.00	29.00	27.50	22.50	2.50	4.50	1.00
4	44.00	10.00	29.00	40.00	22.50	2.50	4.50	1.00
6	44.00	10.00	35.25	40.00	28.75	2.50	4.50	1.00
8	50.50	14.00	37.75	46.50	31.25	2.50	4.50	1.00
10	61.50	14.00	37.75	57.50	31.25	2.50	4.50	1.00
12	66.50	14.00	41.50	62.50	35.00	2.50	4.50	1.00
14	72.00	14.00	41.50	68.00	35.00	2.50	4.50	1.00
17	72.00	14.00	49.00	68.00	42.50	2.50	4.50	1.00
21	80.00	14.00	52.75	76.00	46.25	2.50	4.50	1.00
25	80.00	19.00	61.50	76.00	55.00	2.50	4.50	1.00
30	93.50	19.00	61.50	89.50	55.00	2.50	4.50	1.00
35	100.00	24.50	67.25	96.00	60.75	2.50	4.50	1.00
40	112.50	24.50	67.25	108.50	60.75	2.50	4.50	1.00
50	125.50	24.50	75.75	121.50	69.25	2.50	4.50	1.00
57	125.50	24.50	85.50	121.50	79.00	2.50	4.50	1.00
66	140.50	27.50	92.50	136.50	82.50	6.00	8.00	1.00
80	140.50	37.25	107.50	136.50	97.50	6.00	8.00	1.00
100	154.50	37.25	119.75	150.50	109.75	6.00	8.00	1.00
120	182.00	37.25	119.75	178.00	109.75	6.00	8.00	1.00

Note: ¹Shipping split flange dimension is for shipping planning purposes only and does not add to installed overall unit length. ²Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120.

Discharge Plenum

Figure 33. Horizontal discharge plenum with rectangular openings

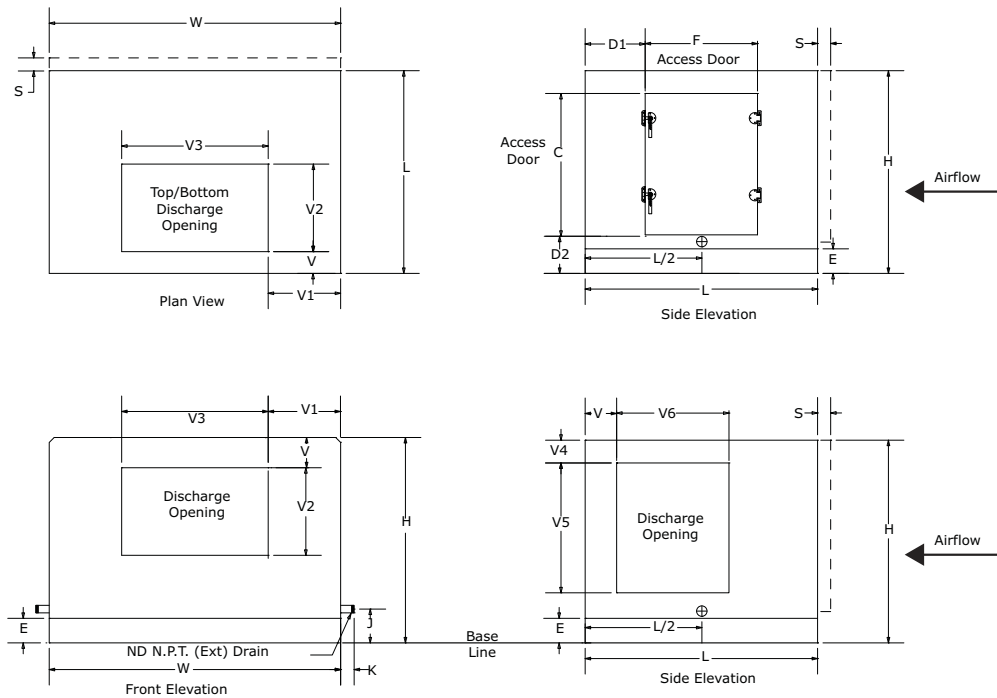
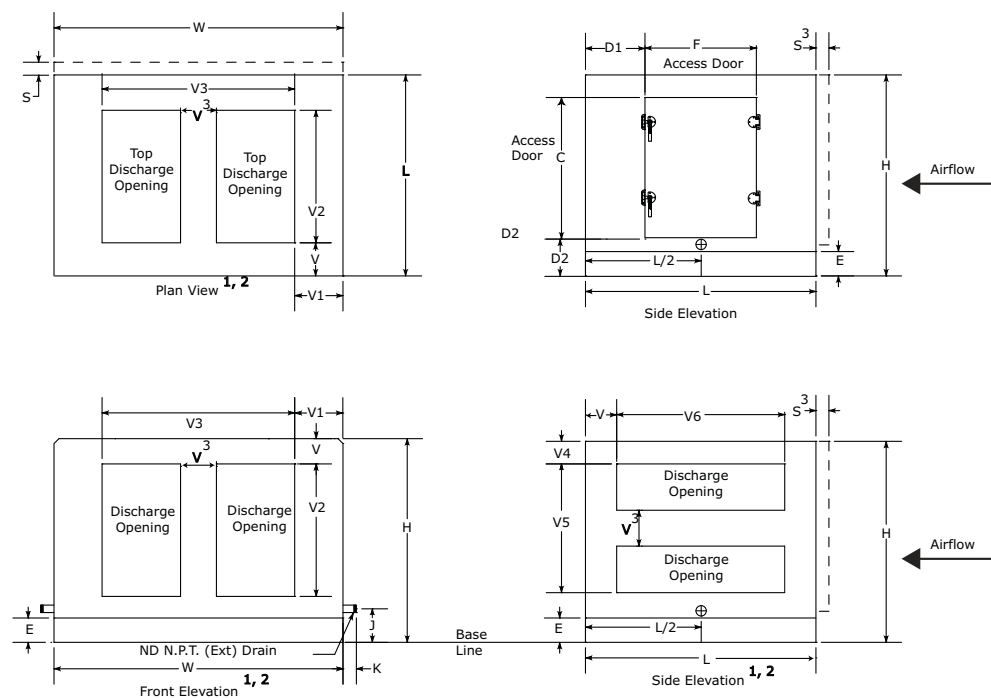


Figure 34. Horizontal discharge plenum with multiple/variable rectangular openings





Dimensions

Table 55. Discharge plenum dimensions (inches) - doors and drain pans

Unit Size	W	H	L	Inward Door ⁴					Outward Door ⁵					Base ² E	Drain Pan ⁶ Horz Discharge			Ship split S ¹
				Hinge ³	C	F	D1	D2	Hinge ³	C	F	D1	D2		J	K	NPT	
3	31.50	29.00	34.00	AE	19.38	16.00	9.00	5.38	AE	22.25	18.75	7.63	4.25	2.50	3.38	2.63	1.00	1.00
4	44.00	29.00	34.00	AE	19.38	16.00	9.00	5.38	AE	22.25	18.75	7.63	4.25	2.50	3.38	2.63	1.00	1.00
6	44.00	35.25	34.00	AE	25.63	16.00	9.00	5.38	AE	28.50	18.75	7.63	4.25	2.50	3.38	2.63	1.00	1.00
8	50.50	37.75	36.00	AE	28.13	16.00	10.00	5.38	AE	31.00	18.75	8.63	4.25	2.50	3.38	2.63	1.00	1.00
10	61.50	37.75	36.00	AE	28.13	16.00	10.00	5.38	AE	31.00	18.75	8.63	4.25	2.50	3.38	2.63	1.00	1.00
12	66.50	41.50	36.00	AE	31.88	16.00	10.00	5.38	AE	34.75	18.75	8.63	4.25	2.50	3.38	2.63	1.00	1.00
14	72.00	41.50	36.00	AE	31.88	16.00	10.00	5.38	AE	34.75	18.75	8.63	4.25	2.50	3.38	2.63	1.00	1.00
17	72.00	49.00	36.00	AE	39.38	17.63	9.25	5.38	AE	42.25	20.38	7.88	4.25	2.50	3.38	2.63	1.00	1.00
21	80.00	52.75	34.00	AE	43.13	16.00	9.00	5.38	AE	46.00	18.75	7.63	4.25	2.50	3.38	2.63	1.00	1.00
25	80.00	61.50	46.00	AE	51.88	17.63	14.25	5.38	AE	54.75	20.38	12.88	4.25	2.50	3.38	2.63	1.00	1.00
30	93.50	61.50	46.00	AE	51.88	17.63	14.25	5.38	AE	54.75	20.38	12.88	4.25	2.50	3.38	2.63	1.00	1.00
35	100.00	67.25	48.00	AE	57.63	17.63	15.25	5.38	AE	60.50	20.38	13.88	4.25	2.50	3.75	3.63	1.25	1.00
40	112.50	67.25	48.00	AE	57.63	17.63	15.25	5.38	AE	60.50	20.38	13.88	4.25	2.50	3.75	3.63	1.25	1.00
50	125.50	75.75	48.00	AE	66.13	17.63	15.25	5.38	AE	69.00	20.38	13.88	4.25	2.50	3.75	3.63	1.25	1.00
57	125.50	85.50	48.00	AE	57.63	17.63	15.25	5.38	AE	60.50	20.38	13.88	4.25	2.50	3.75	3.63	1.25	1.00
66	140.50	92.50	49.00	AE	57.63	17.63	15.75	8.88	AE	60.50	20.38	14.38	7.75	6.00	7.63	3.63	1.50	1.00
80	140.50	107.50	54.00	AE	57.63	17.63	18.25	8.88	AE	60.50	20.38	16.88	7.75	6.00	7.63	3.63	1.50	1.00
100	154.50	119.75	60.00	AE	57.63	17.63	21.25	8.88	AE	60.50	20.38	19.88	7.75	6.00	7.63	3.63	1.50	1.00
120	182.00	119.75	60.00	AE	57.63	17.63	21.25	8.88	AE	60.50	20.38	19.88	7.75	6.00	7.63	3.63	1.50	1.00

Note: ¹Shipping split flange dimension is for shipping planning purposes only and does not add to installed overall unit length. ²Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120. ³Hinged on air-entering (AE) side or air-leaving (AL) side. ⁴Inward swing doors are dimensioned to door opening. ⁵Outward swing door opening is (F-2.73) by (C-1.80). ⁶Drain pan connection dimension is nominal pipe size. IAQ drain pan connections can be either LH or RH, but not both.

Table 56. Horizontal discharge plenum with rectangular opening dimensions (inches)

Unit size	Rectangular Openings																		
	W	H	L	Front/back				Bottom				Top				Side			
				V	V1	V2	V3	V	V1	V2	V3	V	V1	V2	V3	V	V4	V5	V6
3	31.50	29.00	34.00	4.13	8.75	11.00	14.00	4.13	8.75	11.00	14.00	4.13	8.75	11.00	14.00	4.13	4.50	11.00	14.00
4	44.00	29.00	34.00	4.13	12.00	11.00	20.00	4.13	12.00	11.00	20.00	4.13	12.00	11.00	20.00	4.13	4.50	12.00	15.00
6	44.00	35.25	34.00	4.13	11.50	15.00	21.00	4.13	11.50	15.00	21.00	4.13	11.50	15.00	21.00	4.13	4.50	17.00	18.00
8	50.50	37.75	36.00	4.13	13.25	16.00	24.00	4.13	13.25	16.00	24.00	4.13	13.25	16.00	24.00	4.13	4.50	19.00	19.00
10	61.50	37.75	36.00	4.13	15.75	16.00	30.00	4.13	15.75	16.00	30.00	4.13	15.75	16.00	30.00	4.13	4.50	22.00	22.00
12	66.50	41.50	36.00	4.13	17.25	18.00	32.00	4.13	17.25	18.00	32.00	4.13	17.25	18.00	32.00	4.13	4.50	25.00	23.00
14	72.00	41.50	36.00	4.13	17.50	19.00	37.00	4.13	17.50	19.00	37.00	4.13	17.50	19.00	37.00	4.13	4.50	27.00	25.00
17	72.00	49.00	36.00	4.13	17.50	23.00	37.00	4.13	17.50	23.00	37.00	4.13	17.50	23.00	37.00	4.13	4.50	32.00	25.00
21	80.00	52.75	34.00	4.13	19.50	25.00	41.00	4.13	19.50	25.00	41.00	4.13	19.50	25.00	41.00	4.13	4.50	39.00	26.00
25	80.00	61.50	46.00	4.13	19.50	30.00	41.00	4.13	19.50	30.00	41.00	4.13	19.50	30.00	41.00	4.13	4.50	39.00	30.00
30	93.50	61.50	46.00	4.13	22.25	30.00	49.00	4.13	22.25	30.00	49.00	4.13	22.25	30.00	49.00	4.13	4.50	43.00	34.00
35	100.00	67.25	48.00	16.38	19.50	32.00	61.00	10.00	20.00	28.00	60.00	9.50	17.50	29.00	65.00	6.00	9.88	45.00	36.00
40	112.50	67.25	48.00	16.38	22.75	32.00	67.00	10.00	21.75	28.00	69.00	9.50	19.75	29.00	73.00	5.00	8.38	48.00	38.00
50	125.50	75.75	48.00	18.13	25.25	37.00	75.00	9.00	22.75	30.00	80.00	8.50	20.25	31.00	85.00	5.00	8.13	57.00	38.00
57	125.50	85.50	48.00	20.50	25.25	42.00	75.00	8.00	20.25	32.00	85.00	7.50	17.75	33.00	90.00	5.00	7.50	68.00	38.00
66	140.50	92.50	49.00	21.25	28.75	44.00	83.00	8.00	25.75	33.00	89.00	7.50	20.25	34.00	100.00	5.00	7.75	71.00	39.00
80	140.50	107.50	54.00	24.75	28.75	52.00	83.00	8.00	25.75	38.00	89.00	7.50	17.25	39.00	106.00	5.00	9.75	82.00	44.00
100	154.50	119.75	60.00	27.38	31.75	59.00	91.00	9.00	25.75	42.00	103.00	8.00	20.75	44.00	113.00	5.00	10.38	93.00	50.00
120	182.00	119.75	60.00	27.38	38.00	59.00	106.00	9.00	30.00	42.00	122.00	8.00	23.50	44.00	135.00	5.00	7.88	98.00	50.00

Table 57. Horizontal discharge plenum with full face rectangular opening dimensions (inches)

Unit Size	W	H	L	Front/Back Full Face			Top Full Face				Side Full Face			
				V1	V2	V3	V	V1	V2	V3	V	V4	V5	V6
3	31.50	29.00	34.00	5.50	18.38	20.50	4.13	5.50	25.75	20.50	4.13	4.50	18.00	25.75
4	44.00	29.00	34.00	5.50	18.38	33.00	4.13	5.50	25.75	33.00	4.13	4.50	18.00	25.75
6	44.00	35.25	34.00	5.50	24.63	33.00	4.13	5.50	25.75	33.00	4.13	4.50	24.25	25.75
8	50.50	37.75	36.00	5.50	27.13	39.50	4.13	5.50	27.75	39.50	4.13	4.50	26.75	27.75
10	61.50	37.75	36.00	5.50	27.13	50.50	4.13	5.50	27.75	50.50	4.13	4.50	26.75	27.75
12	66.50	41.50	36.00	5.50	30.88	55.50	4.13	5.50	27.75	55.50	4.13	4.50	30.50	27.75
14	72.00	41.50	36.00	5.50	30.88	61.00	4.13	5.50	27.75	61.00	4.13	4.50	30.50	27.75
17	72.00	49.00	36.00	5.50	38.38	61.00	4.13	5.50	27.75	61.00	4.13	4.50	38.00	27.75
21	80.00	52.75	34.00	5.50	42.13	69.00	4.13	5.50	25.75	69.00	4.13	4.50	41.75	25.75
25	80.00	61.50	46.00	5.50	50.75	69.00	4.13	5.50	37.75	69.00	4.13	4.50	50.50	37.75
30	93.50	61.50	46.00	5.50	50.75	82.50	4.13	5.50	37.75	82.50	4.13	4.50	50.50	37.75
35	100.00	67.25	48.00	10.00	49.75	80.00	4.50	7.25	39.00	85.50	4.75	7.50	49.75	38.50
40	112.50	67.25	48.00	10.00	49.75	92.50	4.50	7.25	39.00	98.00	4.75	7.50	49.75	38.50
50	125.50	75.75	48.00	10.00	58.25	105.50	4.50	7.25	39.00	111.00	4.75	7.50	58.25	38.50
57	125.50	85.50	48.00	10.00	68.00	105.50	4.50	7.25	39.00	111.00	4.75	7.50	68.00	38.50
66	140.50	92.50	49.00	10.00	71.50	120.50	7.13	7.25	34.75	126.00	4.75	7.50	71.50	39.50
80	140.50	107.50	54.00	10.00	86.50	120.50	7.13	9.25	39.75	122.00	4.75	7.50	86.50	44.50
100	154.50	119.75	60.00	10.00	98.75	134.50	7.13	9.25	45.75	136.00	4.75	7.50	98.75	50.50
120	182.00	119.75	60.00	10.00	98.75	162.00	7.13	9.25	45.75	163.50	4.75	7.50	98.75	50.50

Dimensions

Figure 35. Horizontal discharge plenums with round openings

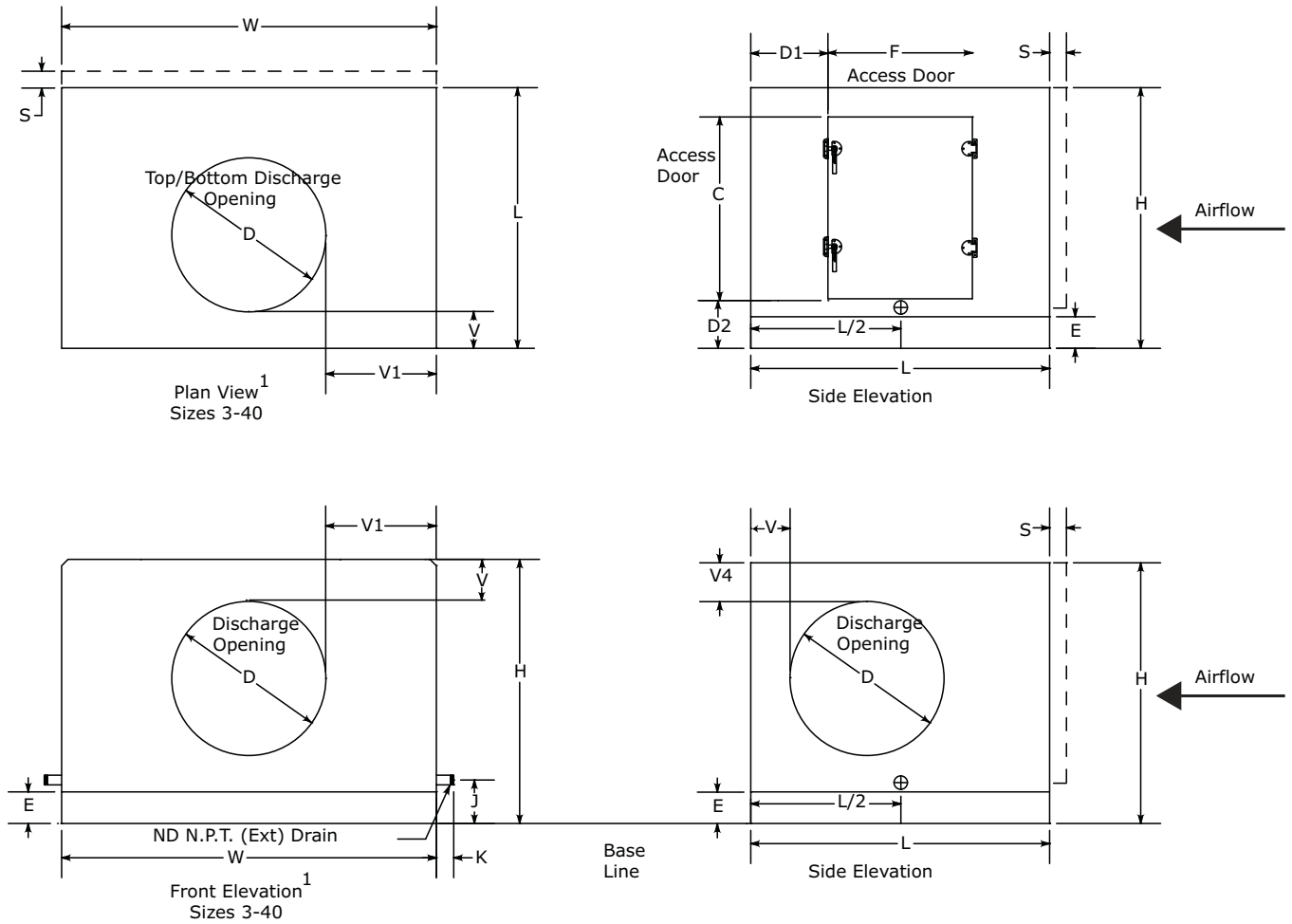
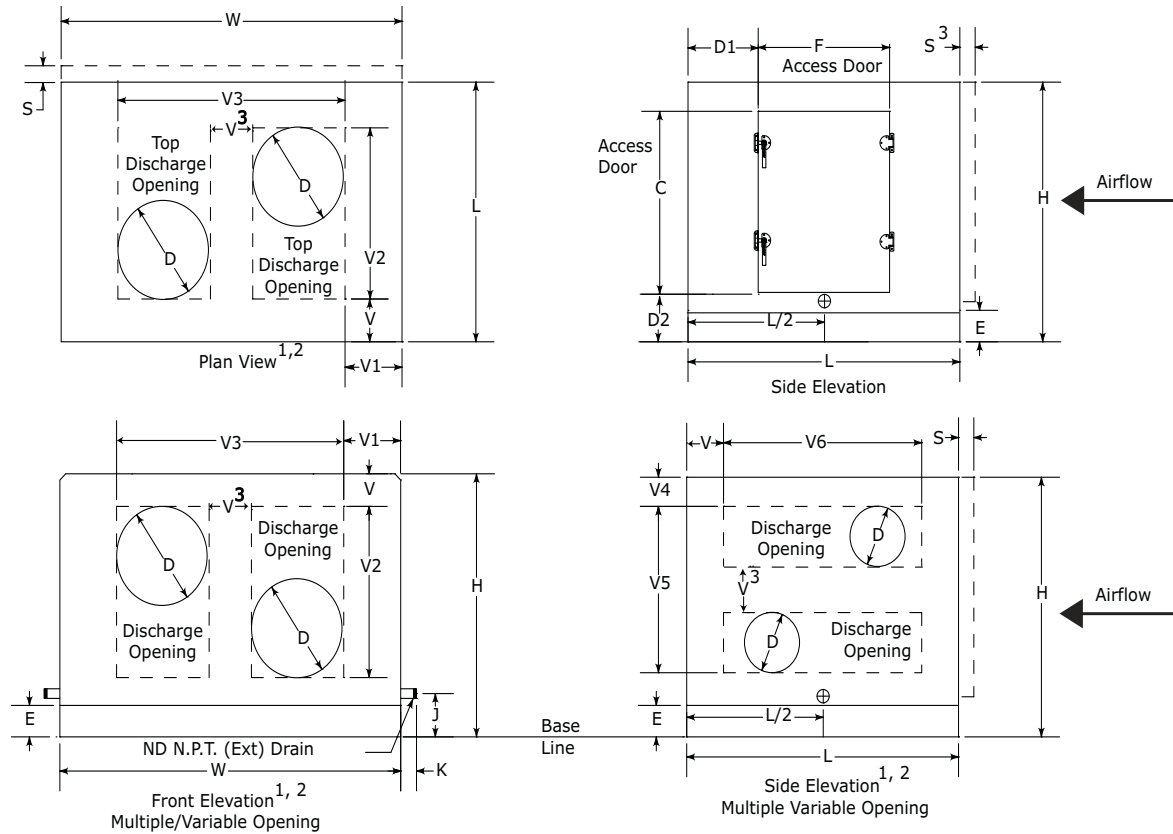


Figure 36. Horizontal discharge plenums with multiple/variable round openings





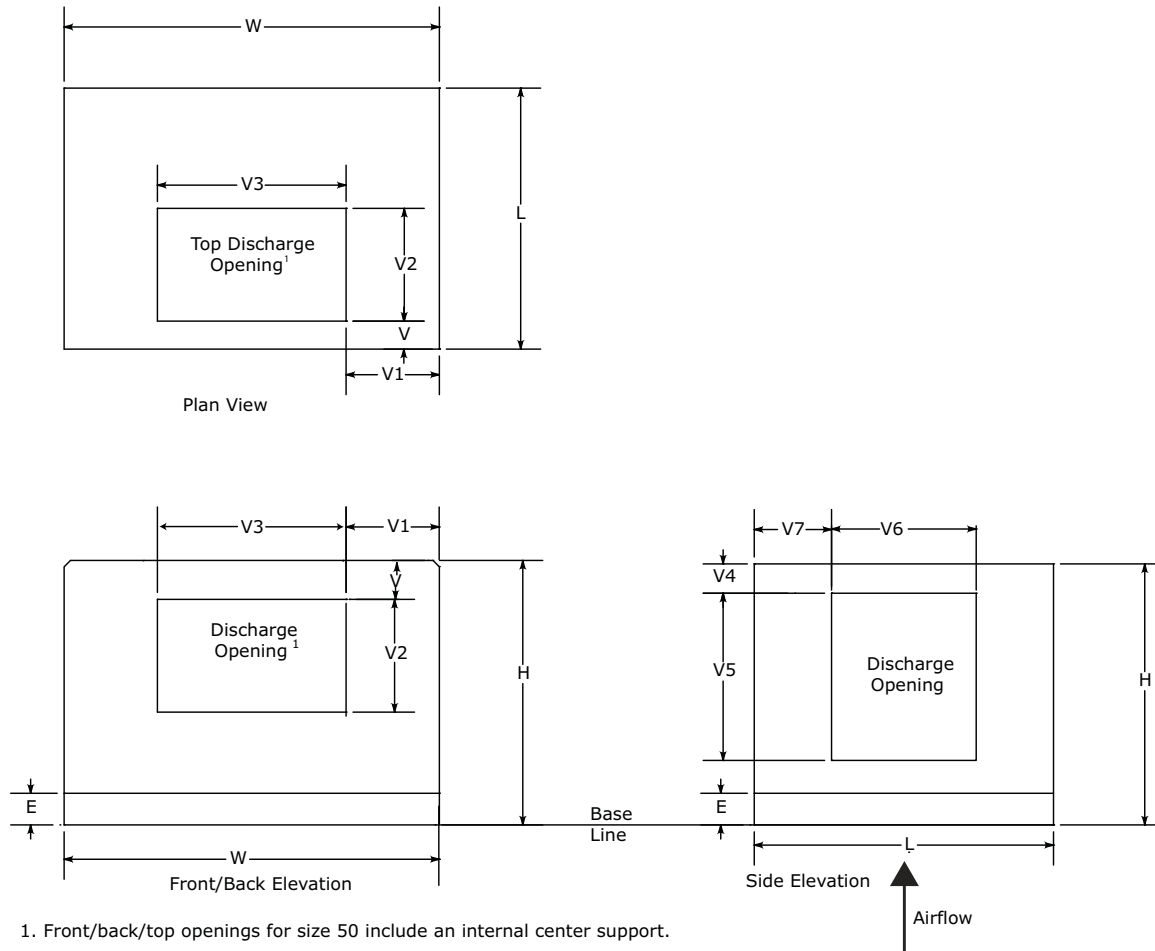
Dimensions

Table 58. Horizontal discharge plenum with round opening dimensions (inches)

Unit Size	W H L				Round Openings															
					Front/Back				Top				Bottom				Side			
					V	V1	D	Qty	V	V1	D	Qty	V	V1	D	Qty	V	V4	D	Qty
3	31.50	29.00	34.00	4.13	9.25	13.00	1	4.13	9.25	13.00	1	4.13	9.25	13.00	1	4.13	4.50	13.00	1	
4	44.00	29.00	34.00	4.13	14.00	16.00	1	4.13	14.00	16.00	1	4.13	14.00	16.00	1	4.13	4.50	16.00	1	
6	44.00	35.25	34.00	4.13	12.00	20.00	1	4.13	12.00	20.00	1	4.13	12.00	20.00	1	4.13	4.50	20.00	1	
8	50.50	37.75	36.00	4.13	14.25	22.00	1	4.13	14.25	22.00	1	4.13	14.25	22.00	1	4.13	4.50	22.00	1	
10	61.50	37.75	36.00	4.13	18.75	24.00	1	4.13	18.75	24.00	1	4.13	18.75	24.00	1	4.13	4.50	24.00	1	
12	66.50	41.50	36.00	4.13	20.25	26.00	1	4.13	20.25	26.00	1	4.13	20.25	26.00	1	4.13	4.50	28.00	1	
14	72.00	41.50	36.00	4.13	23.00	26.00	1	4.13	23.00	26.00	1	4.13	23.00	26.00	1	4.13	4.50	28.00	1	
17	72.00	49.00	36.00	4.13	23.00	26.00	1	4.13	23.00	26.00	1	4.13	23.00	26.00	1	4.13	4.50	28.00	1	
21	80.00	52.75	34.00	4.13	28.00	24.00	1	4.13	28.00	24.00	1	4.13	28.00	24.00	1	4.13	4.50	26.00	1	
25	80.00	61.50	46.00	4.13	22.00	36.00	1	4.13	22.00	36.00	1	4.13	22.00	36.00	1	4.13	4.50	38.00	1	
30	93.50	61.50	46.00	4.13	28.75	36.00	1	4.13	28.75	36.00	1	4.13	28.75	36.00	1	4.13	4.50	38.00	1	
35	100.00	67.25	48.00	9.38	27.00	46.00	1	8.00	12.88	32.00	2	8.00	12.88	32.00	2	12.75	7.88	22.50	2	
40	112.50	67.25	48.00	8.38	32.25	48.00	1	7.00	17.13	34.00	2	7.00	17.13	34.00	2	12.75	7.88	22.50	2	
50	125.50	75.75	48.00	17.63	19.63	38.00	2	5.75	21.13	36.50	2	5.75	21.13	36.50	2	10.50	7.63	27.00	2	
57	125.50	85.50	48.00	21.00	16.63	41.00	2	8.00	8.00	32.00	3	8.00	8.00	32.00	3	8.00	7.50	32.00	2	
66	140.50	92.50	49.00	21.25	21.13	44.00	2	7.50	13.00	34.00	3	7.50	13.00	34.00	3	7.63	7.50	33.75	2	
80	140.50	107.50	54.00	26.75	17.13	48.00	2	9.00	10.00	36.00	3	9.00	10.00	36.00	3	4.75	7.50	41.25	2	
100	154.50	119.75	60.00	16.81	34.13	38.00	4	9.75	10.00	40.50	3	9.75	10.00	40.50	3	4.75	7.63	47.25	2	
120	182.00	119.75	60.00	12.81	43.88	42.00	4	7.50	17.00	45.00	3	7.50	17.00	45.00	3	4.75	7.63	47.25	2	

Note: ¹Maximum two (2) openings per face on sizes 3-50, three (3) openings top and bottom face for sizes 57-100 and four (4) openings front face for sizes 100-120. Multiple openings require a space between openings of 4.12 inches for sizes 3-40 and 10.25 inches for sizes 50-120.

Figure 37. Vertical discharge plenums with rectangular openings



1. Front/back/top openings for size 50 include an internal center support.

Dimensions

Figure 38. Vertical discharge plenum with multiple/variable rectangular openings

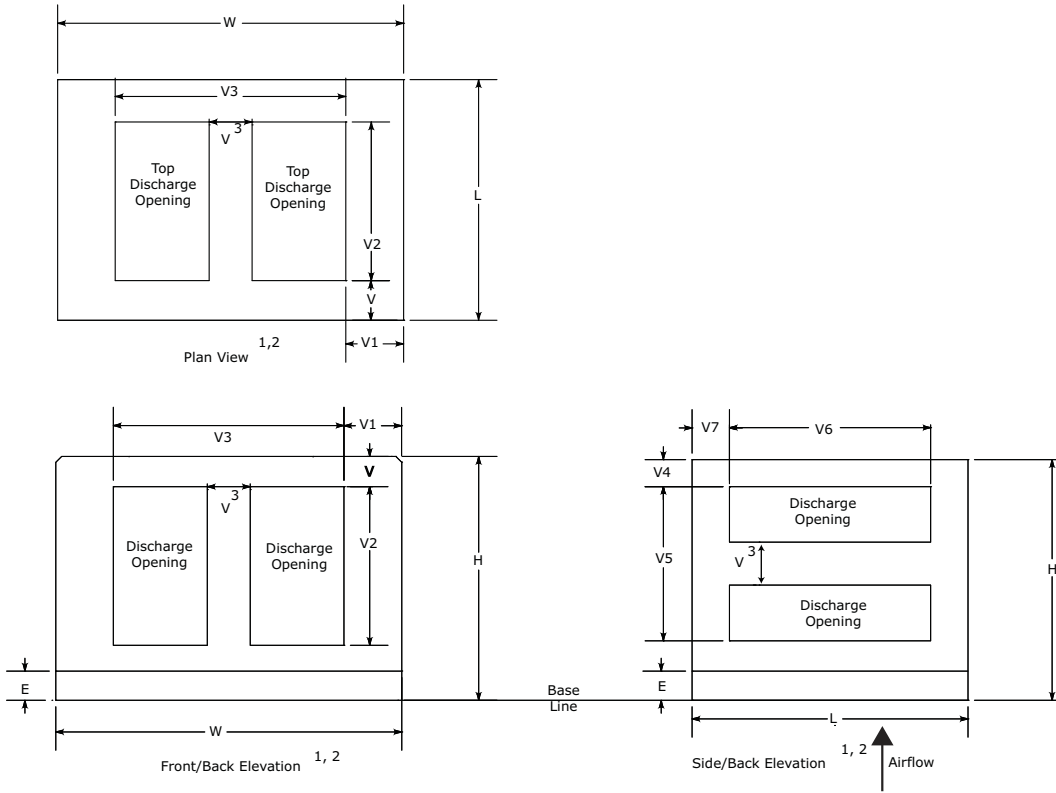


Table 59. Vertical discharge plenum with rectangular opening dimensions (inches)

Unit Size	Rectangular Openings															
	W	H	L	Front/Back				Top				Side				
	V	V1	V2	V3	V	V1	V2	V3	V4	V5	V6	V7				
3	31.50	29.00	36.00	4.13	8.75	11.00	14.00	4.13	8.75	11.00	14.00	4.50	11.00	14.00	11.00	
4	44.00	29.00	41.00	4.13	12.00	11.00	20.00	4.13	12.00	11.00	20.00	4.50	12.00	15.00	13.00	
6	44.00	35.25	41.00	4.13	11.50	15.00	21.00	4.13	11.50	15.00	21.00	4.50	17.00	18.00	11.50	
8	50.50	37.75	44.00	4.13	13.25	16.00	24.00	4.13	13.25	16.00	24.00	4.50	19.00	19.00	12.50	
10	61.50	37.75	42.50	4.13	15.75	16.00	30.00	4.13	15.75	16.00	30.00	4.50	22.00	22.00	10.25	
12	66.50	41.50	42.50	4.13	17.25	18.00	32.00	4.13	17.25	18.00	32.00	4.50	25.00	23.00	9.75	
14	72.00	41.50	42.50	4.13	17.50	19.00	37.00	4.13	17.50	19.00	37.00	4.50	27.00	25.00	8.75	
17	72.00	49.00	44.00	4.13	17.50	23.00	37.00	4.13	17.50	23.00	37.00	4.50	32.00	25.00	9.50	
21	80.00	52.75	50.25	4.13	19.50	25.00	41.00	4.13	19.50	25.00	41.00	4.50	39.00	26.00	12.13	
25	80.00	61.50	56.50	4.13	19.50	30.00	41.00	4.13	19.50	30.00	41.00	4.50	39.00	30.00	13.25	
30	93.50	61.50	56.50	4.13	22.25	30.00	49.00	4.13	22.25	30.00	49.00	4.50	43.00	34.00	11.25	
35	100.00	67.25	63.75	16.38	19.50	32.00	61.00	9.50	17.50	29.00	65.00	9.88	45.00	36.00	13.88	
40	112.50	67.25	63.75	16.38	22.75	32.00	67.00	9.50	19.75	29.00	73.00	8.38	48.00	38.00	12.88	
50 ¹	125.50	75.75	68.50	18.13	25.25	37.00	75.00	8.50	20.25	31.00	85.00	8.13	57.00	38.00	15.25	

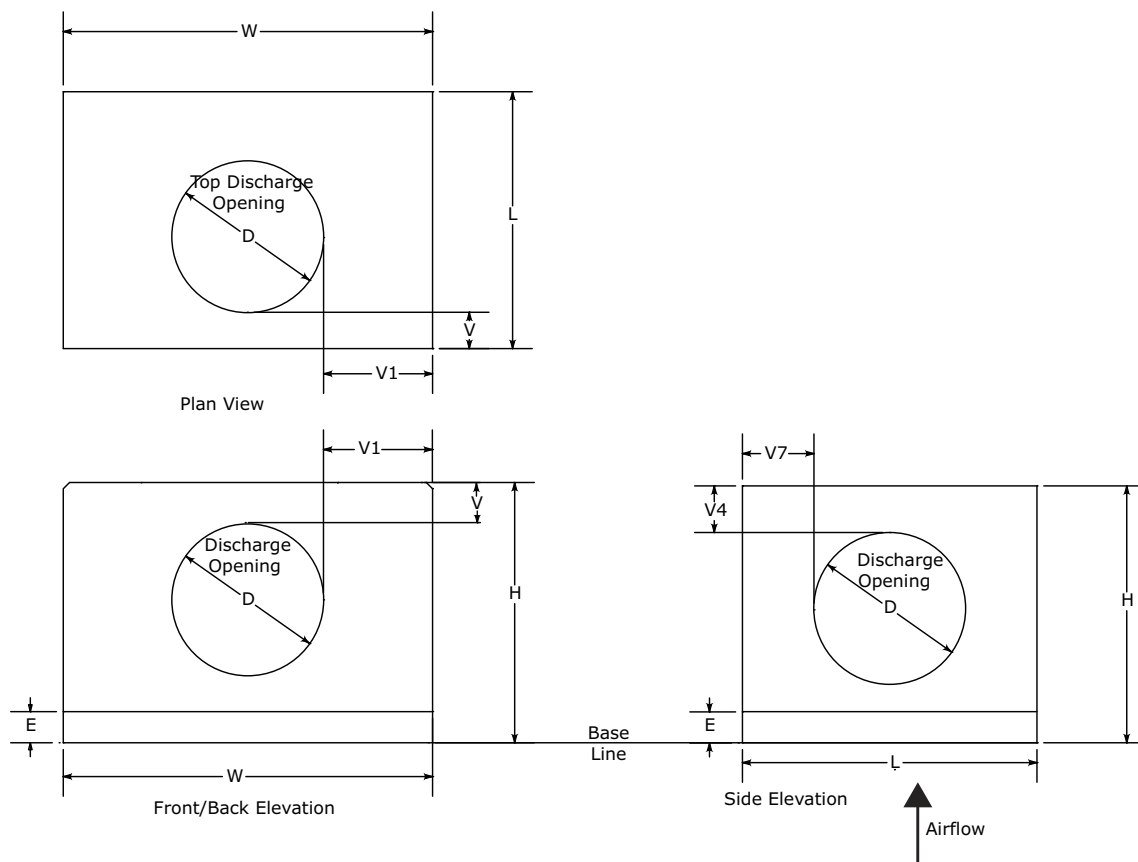
Note: ¹Front/back/top opening for size 50 includes an internal center support. ²Maximum of two (2) openings per face. Opening splits can be horizontal or vertical. Multiple openings require a space between openings of 4.12 inches for sizes 3-40 and 10.25 inches for sizes 50-120.

Table 60. Vertical discharge plenum with rectangular opening dimensions (inches)

Unit Size	Rectangular Openings			Rectangular Openings											
				Top Full Face				Front Full Face				Side Full Face			
W	H	L	V	V1	V2	V3	V	V1	V2	V3	V4	V5	V6	V7	
3	31.50	29.00	36.00	4.13	5.50	27.75	20.50	4.13	5.50	18.38	20.50	4.50	18.00	27.75	4.13
4	44.00	29.00	41.00	4.13	5.50	32.75	33.00	4.13	5.50	18.38	33.00	4.50	18.00	32.75	4.13
6	44.00	35.25	41.00	4.13	5.50	32.75	33.00	4.13	5.50	24.63	33.00	4.50	24.25	32.75	4.13
8	50.50	37.75	44.00	4.13	5.50	35.75	39.50	4.13	5.50	27.13	39.50	4.50	26.75	35.75	4.13
10	61.50	37.75	42.50	4.13	5.50	34.25	50.50	4.13	5.50	27.13	50.50	4.50	26.75	34.25	4.13
12	66.50	41.50	42.50	4.13	5.50	34.25	55.50	4.13	5.50	30.88	55.50	4.50	30.50	34.25	4.13
14	72.00	41.50	42.50	4.13	5.50	34.25	61.00	4.13	5.50	30.88	61.00	4.50	30.50	34.25	4.13
17	72.00	49.00	44.00	4.13	5.50	35.75	61.00	4.13	5.50	38.38	61.00	4.50	38.00	35.75	4.13
21	80.00	52.75	50.25	4.13	5.50	42.00	69.00	4.13	5.50	42.13	69.00	4.50	41.75	42.00	4.13
25	80.00	61.50	56.50	4.13	5.50	48.25	69.00	4.13	5.50	50.88	69.00	4.50	50.50	48.25	4.13
30	93.50	61.50	56.50	4.13	5.50	48.25	82.50	4.13	5.50	50.88	82.50	4.50	50.50	48.25	4.13
35	100.00	67.25	63.75	4.50	7.25	54.75	85.50	7.50	10.00	49.75	80.00	7.50	49.75	54.25	4.75
40	112.50	67.25	63.75	4.50	7.25	54.75	98.00	7.50	10.00	49.75	92.50	7.50	49.75	54.25	4.75
50	125.50	75.75	68.50	4.50	7.25	59.50	111.00	7.50	10.00	58.25	105.50	7.50	58.25	59.00	4.75

Note: ¹Front/back/top opening for size 50 includes an internal center support. ²Maximum of two (2) openings per face. Opening splits can be horizontal or vertical. Multiple openings require a space between openings of 4.12 inches for sizes 3-40 and 10.25 inches for sizes 50-120.

Figure 39. Vertical discharge plenum with round openings



Dimensions

Figure 40. Vertical discharge plenum with multiple/variable round openings

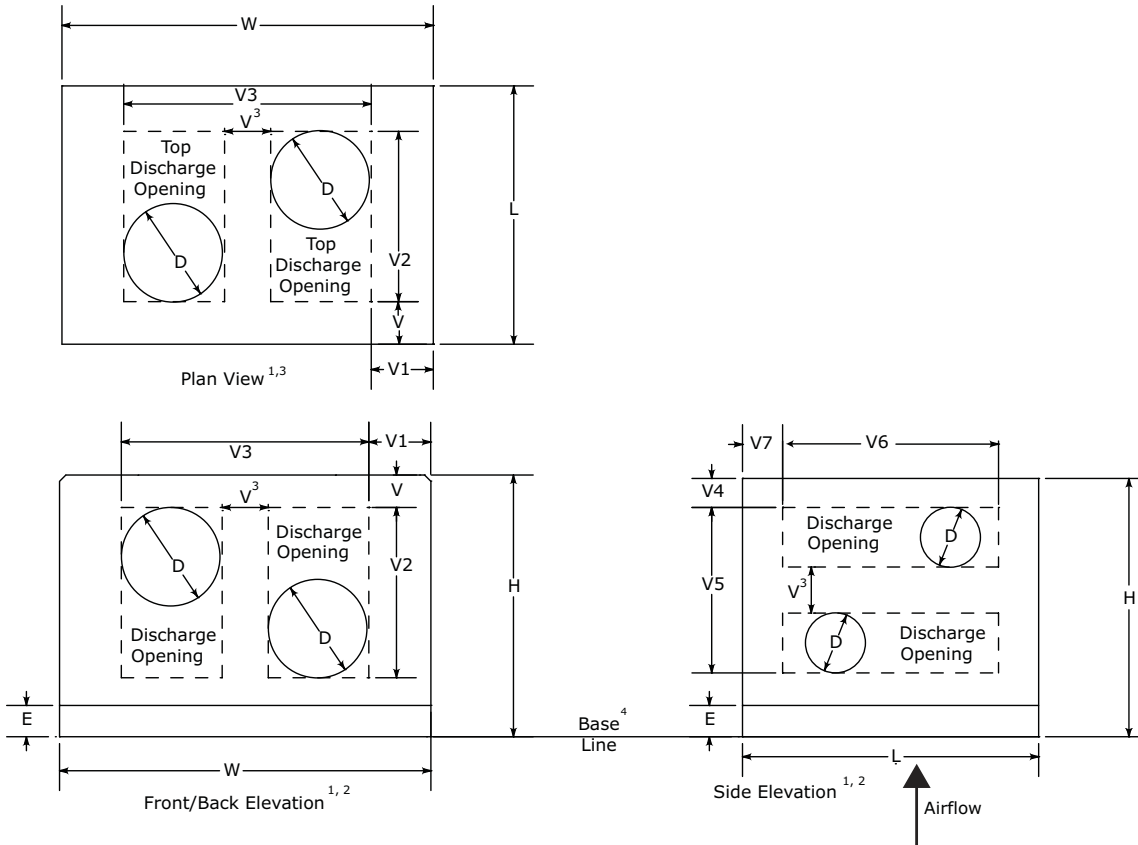


Table 61. Vertical discharge plenum with round opening dimensions (inches)

Unit Size	Front/Back			Round Openings											
	W	H	L	Front/Back				Top				Side			
				V	V1	D	Qty	V	V1	D	Qty	V4	V7	D	Qty
3	31.50	29.00	36.00	4.13	9.25	13.00	1.00	4.13	9.25	13.00	1.00	4.50	11.50	13.00	1.00
4	44.00	29.00	41.00	4.13	14.00	16.00	1.00	4.13	14.00	16.00	1.00	4.50	12.50	16.00	1.00
6	44.00	35.25	41.00	4.13	12.00	20.00	1.00	4.13	12.00	20.00	1.00	4.50	10.50	20.00	1.00
8	50.50	37.75	44.00	4.13	14.25	22.00	1.00	4.13	14.25	22.00	1.00	4.50	11.00	22.00	1.00
10	61.50	37.75	42.50	4.13	18.75	24.00	1.00	4.13	18.75	24.00	1.00	4.50	9.25	24.00	1.00
12	66.50	41.50	42.50	4.13	19.25	28.00	1.00	4.13	19.25	28.00	1.00	4.50	7.25	28.00	1.00
14	72.00	41.50	42.50	4.13	21.00	30.00	1.00	4.13	21.00	30.00	1.00	4.50	6.25	30.00	1.00
17	72.00	49.00	44.00	4.13	20.00	32.00	1.00	4.13	20.00	32.00	1.00	4.50	6.00	32.00	1.00
21	80.00	52.75	50.25	4.13	23.00	34.00	1.00	4.13	23.00	34.00	1.00	4.50	8.13	34.00	1.00
25	80.00	61.50	56.50	4.13	21.00	38.00	1.00	4.13	21.00	38.00	1.00	4.50	9.25	38.00	1.00
30	93.50	61.50	56.50	4.13	25.75	42.00	1.00	4.13	25.75	42.00	1.00	4.50	7.25	42.00	1.00
35	100.00	67.25	63.75	9.38	27.00	46.00	1.00	15.88	12.88	32.00	2.00	9.38	4.75	46.00	1.00
40	112.50	67.25	63.75	8.38	32.25	48.00	1.00	14.88	17.13	34.00	2.00	8.38	4.75	48.00	1.00
50	125.50	75.75	68.50	17.63	19.63	38.00	2.00	16.00	21.13	36.50	2.00	12.63	4.75	48.00	1.00

Note: ¹Maximum of two (2) openings per face. Multiple openings require a space between openings of 4.12 inches for sizes 3-40 and 10.25 inches for size 50.

Economizer

Figure 41. 45-degree diagonal economizer

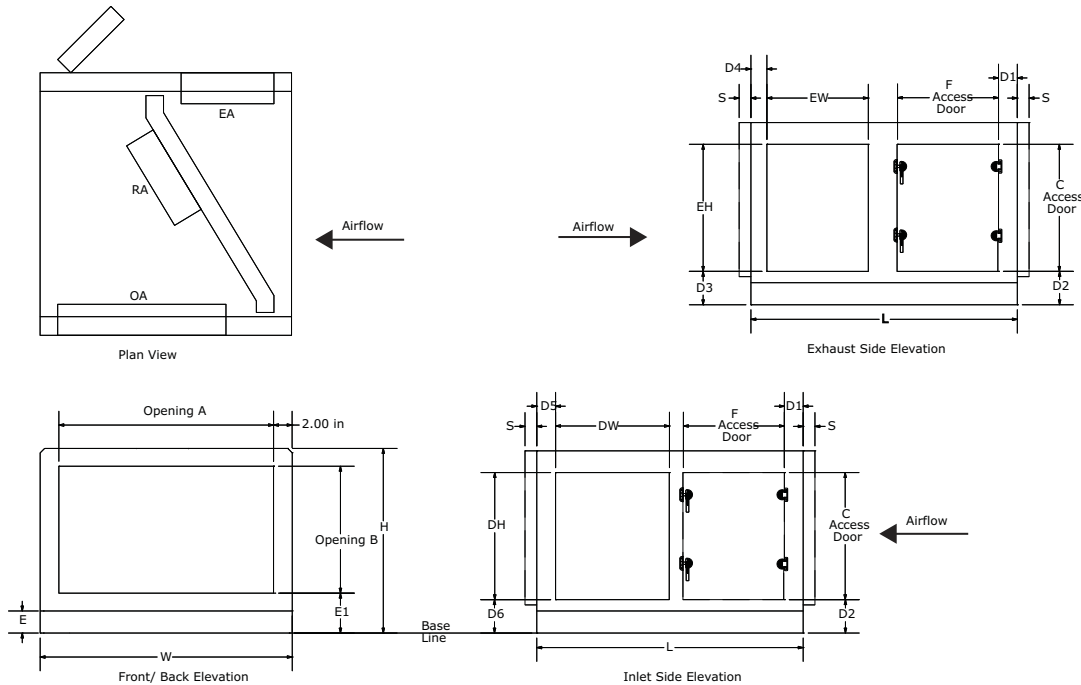


Table 62. 45 degree diagonal economizer dimensions (inches)

Unit size	Front/back opening			Outward door				Exhaust				Exhaust barometric spring						
	W	L	H	A	B	Hinge ³	C	F	D1	D2	EH	EW	D3	D4	EH	EW	D3	D4
3	31.50	45.50	32.50	27.50	22.50	AL	22.25	17.38	2.13	7.75	14.25	17.00	14.38	3.63	13.75	16.50	14.63	3.88
4	44.00	49.00	32.50	40.00	22.50	AL	22.25	17.38	2.13	7.75	14.25	17.00	14.38	3.63	13.75	16.50	14.63	3.88
6	44.00	49.50	38.75	40.00	28.75	AL	28.50	17.38	2.13	7.75	18.75	17.00	16.13	3.63	18.25	16.50	16.38	3.88
8	50.50	48.00	41.25	46.50	31.25	AL	31.00	17.38	2.13	7.75	23.25	17.00	14.13	3.63	22.75	16.50	14.38	3.88
10	61.50	53.00	41.25	57.50	31.25	AL	31.00	23.38	2.13	7.75	23.25	19.38	14.13	3.63	22.75	18.88	14.38	3.88
12	66.50	53.00	45.00	62.50	35.00	AL	34.75	17.38	2.13	7.75	30.00	19.38	11.13	3.63	29.50	18.88	11.38	3.88
14	72.00	56.50	45.00	68.00	35.00	AL	34.75	17.38	2.13	7.75	26.25	22.75	14.88	3.63	25.75	22.25	15.13	3.88
17	72.00	52.00	52.50	68.00	42.50	AL	42.25	17.38	2.13	7.75	33.50	22.75	15.13	3.63	33.00	22.25	15.38	3.88
21	80.00	62.50	56.25	76.00	46.25	AL	46.00	20.38	2.13	7.75	39.75	22.75	12.63	3.75	39.25	22.25	12.88	4.00
25	80.00	57.00	65.00	76.00	55.00	AL	54.75	17.38	2.13	7.75	48.75	22.75	12.38	3.75	48.25	22.25	12.63	4.00
30	93.50	62.50	65.00	89.50	55.00	AL	54.75	20.38	7.63	7.75	51.50	23.25	9.63	3.75	51.00	22.75	9.88	4.00
35	100.00	75.00	70.75	96.00	60.75	AL	60.50	20.38	7.63	7.75	48.50	28.50	18.38	3.63	48.00	28.00	18.63	3.88
40	112.50	83.00	70.75	108.50	60.75	AL	60.50	20.38	7.63	7.75	51.00	31.38	15.88	3.63	50.50	30.88	16.13	3.88
50	125.50	72.00	79.25	121.50	69.25	AL	69.00	20.38	2.13	7.75	59.75	34.25	15.63	3.63	59.25	33.75	15.88	3.88
57	125.50	75.50	89.00	121.50	79.00	AL	60.50	20.38	7.63	7.75	68.75	34.25	16.38	3.63	68.25	33.75	16.63	3.88
66	140.50	83.00	92.50	136.50	82.50	AL	60.50	20.38	7.63	7.75	73.50	34.25	12.75	3.50	68.00	33.75	13.00	3.75
80	140.50	86.00	107.50	136.50	97.50	AL	60.50	20.38	7.63	7.75	88.00	34.25	13.25	3.50	87.50	33.75	13.50	3.75
100	154.50	93.00	119.75	150.50	109.75	AL	60.50	20.38	7.63	7.75	98.00	40.00	15.50	3.50	97.50	39.50	15.75	3.75
120	182.00	93.00	119.75	178.00	109.75	AL	60.50	20.38	7.63	7.75	99.00	45.75	14.50	3.50	98.50	45.25	14.75	3.75



Dimensions

Table 63. 45 degree diagonal economizer dimensions (inches)

Unit Size	Exhaust without dampers				Inlet Traq dampers				Inlet bladed dampers				Inlet without dampers				Base ²		
	EH	EW	D3	D4	DH	DW	D5	D6	DH	DW	D5	D6	DH	DW	D5	D6	E	E1	S ¹
3	11.75	14.50	15.63	4.88	16.13	16.13	5.50	12.50	15.50	17.00	5.13	13.13	13.00	14.50	6.38	14.38	6.00	8.00	1.00
4	11.75	14.50	15.63	4.88	17.88	34.63	3.50	10.88	16.75	22.75	9.50	11.88	14.25	20.25	10.75	13.13	6.00	8.00	1.00
6	16.25	14.50	17.38	4.88	18.13	34.63	3.88	16.75	21.75	22.75	9.75	13.13	19.25	20.25	11.00	14.38	6.00	8.00	1.00
8	20.75	14.50	15.38	4.88	18.13	34.63	3.75	19.25	27.25	22.75	9.75	10.13	24.75	20.25	11.00	11.38	6.00	8.00	1.00
10	20.75	16.88	15.38	4.88	21.75	41.25	3.63	15.63	26.50	28.50	10.13	10.88	24.00	26.00	11.38	12.13	6.00	8.00	1.00
12	27.50	16.88	12.38	4.88	21.75	41.25	3.63	19.38	32.00	28.50	10.13	9.25	29.50	26.00	11.38	10.50	6.00	8.00	1.00
14	23.75	20.25	16.13	4.88	21.75	41.25	7.13	19.38	29.00	34.25	10.75	12.00	26.50	31.75	12.00	13.25	6.00	8.00	1.00
17	31.00	20.25	16.38	4.88	36.25	37.13	6.00	12.50	35.00	34.25	7.00	13.50	32.50	31.75	8.25	14.75	6.00	8.00	1.00
21	37.25	20.25	13.88	5.00	24.75	50.75	3.63	27.63	43.00	34.25	12.00	9.50	40.50	31.75	13.25	10.75	6.00	8.00	1.00
25	46.25	20.25	13.63	5.00	43.13	42.75	6.13	18.13	51.00	34.25	10.50	10.13	48.50	31.75	11.75	11.38	6.00	8.00	1.00
30	49.00	20.75	10.88	5.00	51.63	50.75	3.63	9.63	50.00	40.00	9.13	11.13	47.50	37.50	10.38	12.38	6.00	8.00	1.00
35	46.00	26.00	19.63	4.88	57.25	61.75	4.50	9.63	51.00	45.75	9.38	15.88	48.50	43.25	10.63	17.13	6.00	8.00	1.00
40	48.50	28.88	17.13	4.88	34.50	70.50	3.75	32.00	51.00	51.50	13.88	14.38	48.50	49.00	15.13	15.63	6.00	8.00	1.00
50	57.25	31.75	16.88	4.88	63.75	60.75	3.75	11.50	60.75	51.50	8.38	14.63	58.25	49.00	9.63	15.88	6.00	8.00	1.00
57	66.25	31.75	17.63	4.88	63.75	64.25	3.75	21.25	70.50	51.50	11.38	14.63	68.00	49.00	12.63	15.88	6.00	8.00	1.00
66	71.00	31.75	14.00	4.75	72.50	71.50	4.00	13.25	72.50	62.75	9.75	12.50	70.00	60.25	11.00	13.75	6.00	8.00	1.00
80	85.50	31.75	14.50	4.75	72.50	74.00	4.00	28.25	86.00	62.75	9.75	14.00	83.50	60.25	11.00	15.25	6.00	8.00	1.00
100	95.50	37.50	16.75	4.75	100.25	74.00	5.50	12.75	98.25	68.50	9.75	14.00	95.75	66.00	11.00	15.25	6.00	8.00	1.00
120	96.50	43.25	15.75	4.75	100.25	74.00	5.50	12.75	98.00	80.00	3.75	14.25	95.50	77.50	5.00	15.50	6.00	8.00	1.00

Note: ¹Shipping split flange dimension is for shipping planning purposes only and does not add to installed overall unit length. ²Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120. ³Outward swing door opening is (F-2.73)by(C-1.80).

Figure 42. Economizer with motorized impeller

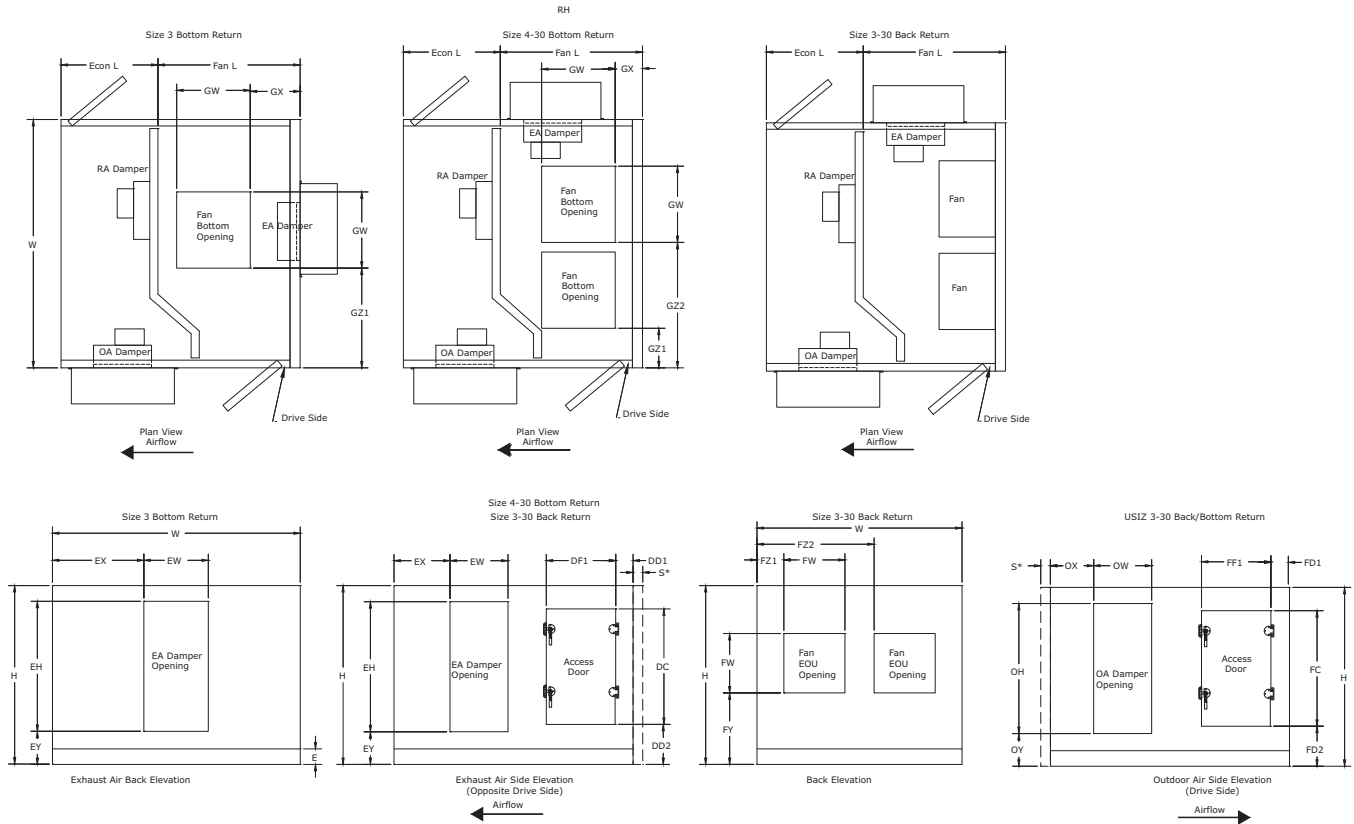


Table 64. Economizer with motorized impeller dimensions (inches)

Unit Size	ECON FAN				Low Cost								High Performance									
	W	L	L	H	Back Return				Bottom Return				Back Return				Bottom Return					
					FSIZ	FW	FY	FZ1	FZ2	GW	GX	GZ1	GZ2	FSIZ	FW	FY	FZ1	FZ2	GW	GX	GZ1	GZ2
3	31.50	25.50	42.00	32.50	15EP	16.44	11.31	7.53		16.44	14.82	7.53		15EP	16.44	11.31	7.53		16.44	14.82	7.53	
4	44.00	22.50	35.00	32.50	15EP	16.44	11.31	13.78		16.44	7.82	13.78		15EP	16.44	11.31	13.78		16.44	7.82	13.78	
6	44.00	24.25	30.00	38.75	15EP	16.44	11.31	13.78		16.44	6.82	13.78		15EP	16.44	11.31	13.78		16.44	6.82	13.78	
8	50.50	24.25	32.00	41.25	19EP	20.87	10.65	14.81		20.87	6.07	14.81		19EP	20.87	10.65	14.81		20.87	6.07	14.81	
10	61.50	26.50	40.00	41.25	19EP	20.87	10.65	20.31		20.87	6.07	20.31		19FP	20.87	10.65	20.31		20.87	6.07	20.31	
12	66.50	26.50	40.00	45.00	19EP	20.87	10.65	22.81		20.87	6.07	22.81		19FP	20.87	10.65	22.81		20.87	6.07	22.81	
14	72.00	31.00	38.00	45.00	22EP	24.87	11.58	23.56		24.87	7.05	23.56		22FP	26.57	11.15	22.71		26.57	5.70	22.71	
17	72.00	30.75	39.50	52.50	22FP	26.57	11.15	22.71		26.57	7.02	22.71		17EP	20.87	10.65	10.93	40.20	20.87	6.51	10.66	40.47
21	80.00	27.00	46.00	56.25	19EP	20.87	10.65	13.31	45.82	20.87	7.06	14.66	44.47	19FP	20.87	10.65	13.31	45.82	20.87	7.06	14.66	44.47
25	80.00	26.50	46.00	65.00	19EP	20.87	10.65	13.31	45.82	20.87	7.06	14.66	44.47	19FP	20.87	10.65	13.31	45.82	20.87	7.06	14.66	44.47
30	93.50	30.50	47.25	65.00	22EP	24.87	11.58	16.12	52.50	24.87	7.05	16.50	52.13	22FP	26.57	11.15	15.26	51.67	26.57	6.28	15.22	51.71

Table 65. Economizer with motorized impeller dimensions (inches)

Unit Size	Drive Side - Access Fan Door					Opposite Drive Side - Access OA/RA Dampers				
	Hinge*	FC	FF1	FD1	FD2	Hinge*	DC	DF1	DD1	DD2
3	AE	22.25	28.92	3.18	7.75	AL	22.25	18.69	2.07	7.75
4	AE	22.25	28.92	3.18	7.75	AL	22.25	18.69	2.07	7.75
6	AE	28.50	20.36	3.18	7.75	AL	28.50	18.69	2.07	7.75
8	AE	31.00	22.36	3.18	7.75	AL	31.00	18.69	2.07	7.75
10	AE	31.00	26.67	3.18	7.75	AL	31.00	18.69	2.07	7.75
12	AE	34.75	26.67	3.18	7.75	AL	34.75	18.69	2.07	7.75
14	AE	34.75	26.67	3.18	7.75	AL	34.75	18.69	2.07	7.75
17	AE	42.25	26.67	3.18	7.75	AL	42.25	18.69	2.07	7.75
21	AE	46.00	26.67	3.18	7.75	AL	46.00	18.69	2.07	7.75
25	AE	54.75	26.67	3.18	7.75	AL	54.75	18.69	2.07	7.75
30	AE	54.75	26.67	3.18	7.75	AL	54.75	18.69	2.07	7.75

Table 66. Economizer with motorized impeller dimensions (inches)

Unit Size	Exhaust Damper Opening						Outside Air Damper Opening			
			Bottom Return		Back Return					
	EH	EW	EX	EY	EX	EY	OH	OW	OX	OY
3	10.75	16.47	7.52	15.50	24.50	15.63	10.75	16.47	4.09	11.25
4	16.25	16.47	8.38	11.50	8.38	11.50	16.25	16.47	4.62	11.25
6	15.75	22.22	5.50	16.50	5.50	16.50	15.75	22.22	4.18	12.25
8	21.25	22.22	5.50	13.75	5.50	13.75	21.25	22.22	4.18	11.25
10	21.25	27.97	5.50	13.75	5.50	13.75	21.25	27.97	4.18	11.25
12	25.00	27.97	6.00	13.75	6.00	13.75	25.00	27.97	4.18	11.25
14	28.75	27.97	7.50	11.25	7.50	11.25	28.75	27.97	5.49	11.25
17	31.25	31.72	5.50	15.50	5.50	15.50	31.25	31.72	4.30	11.25
21	37.50	33.72	7.25	12.50	7.25	12.50	37.50	33.72	4.61	11.25
25	43.75	33.72	5.50	13.75	5.50	13.75	43.75	33.72	4.36	11.25
30	43.75	39.47	5.50	13.75	5.50	13.75	43.75	39.57	4.11	11.25

Figure 43. Economizer with motorized impeller hood dimensions (inches)

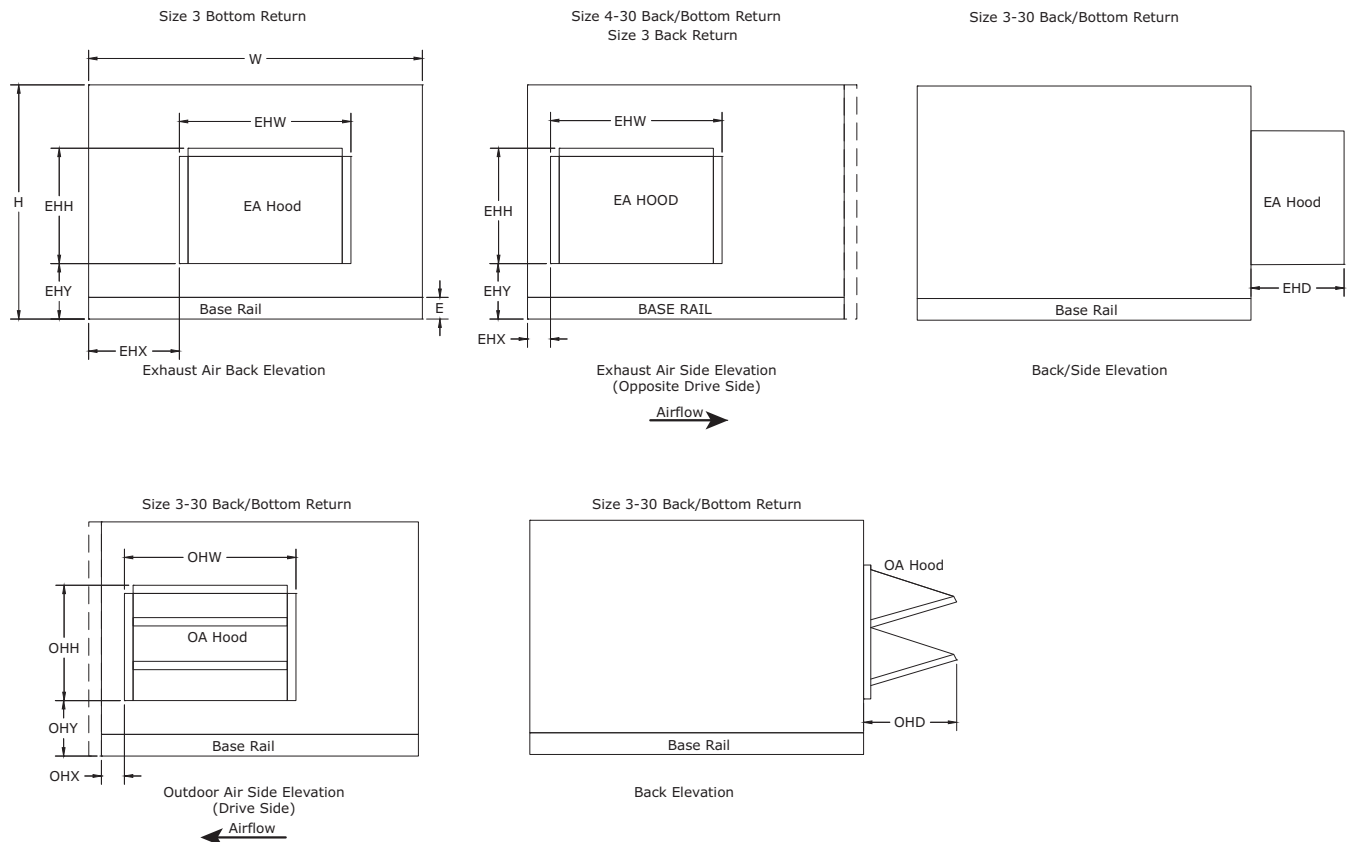


Table 67. Economizer with motorized impeller dimensions (inches)

Unit Size	Exhaust Hood								Outside Air Hood					# of Hood Openings
	EHH	EHW	EHD	Bottom Return		Back Return		OHH	OHW	OHD	OHX	OHY		
3	16.25	22.47	15.34	4.52	12.85	21.50	12.85	21.75	22.11	23.85	1.27	8.00	1	
4	21.25	28.22	17.54	2.50	9.00	2.50	9.00	21.75	22.11	26.74	1.79	8.25	1	
6	21.25	28.22	17.54	2.50	13.75	2.50	13.75	26.75	27.86	18.51	1.35	9.00	2	
8	26.75	28.22	19.73	2.50	11.00	2.50	11.00	30.63	27.86	21.43	1.35	8.13	2	
10	26.75	33.97	19.73	2.50	11.00	2.50	11.00	30.63	33.61	21.43	1.35	8.13	2	
12	30.50	34.97	23.02	2.50	11.00	2.50	11.00	34.38	33.61	24.09	1.35	8.13	2	
14	34.25	37.97	21.19	2.50	8.50	2.50	8.50	34.38	36.36	25.29	1.29	8.13	2	
17	36.75	41.22	24.73	2.50	12.60	2.50	12.60	42.35	37.49	20.47	1.41	7.90	3	
21	43.00	43.22	27.77	2.50	9.75	2.50	9.75	45.63	39.99	22.88	1.47	8.13	3	
25	49.25	39.72	35.21	2.50	11.00	2.50	11.00	54.85	39.49	27.23	1.47	7.90	3	
30	49.25	45.47	35.21	2.50	11.00	2.50	11.00	54.85	45.11	27.96	1.29	7.90	3	

Dimensions

Figure 44. Economizer with motorized impeller control box dimensions (inches)

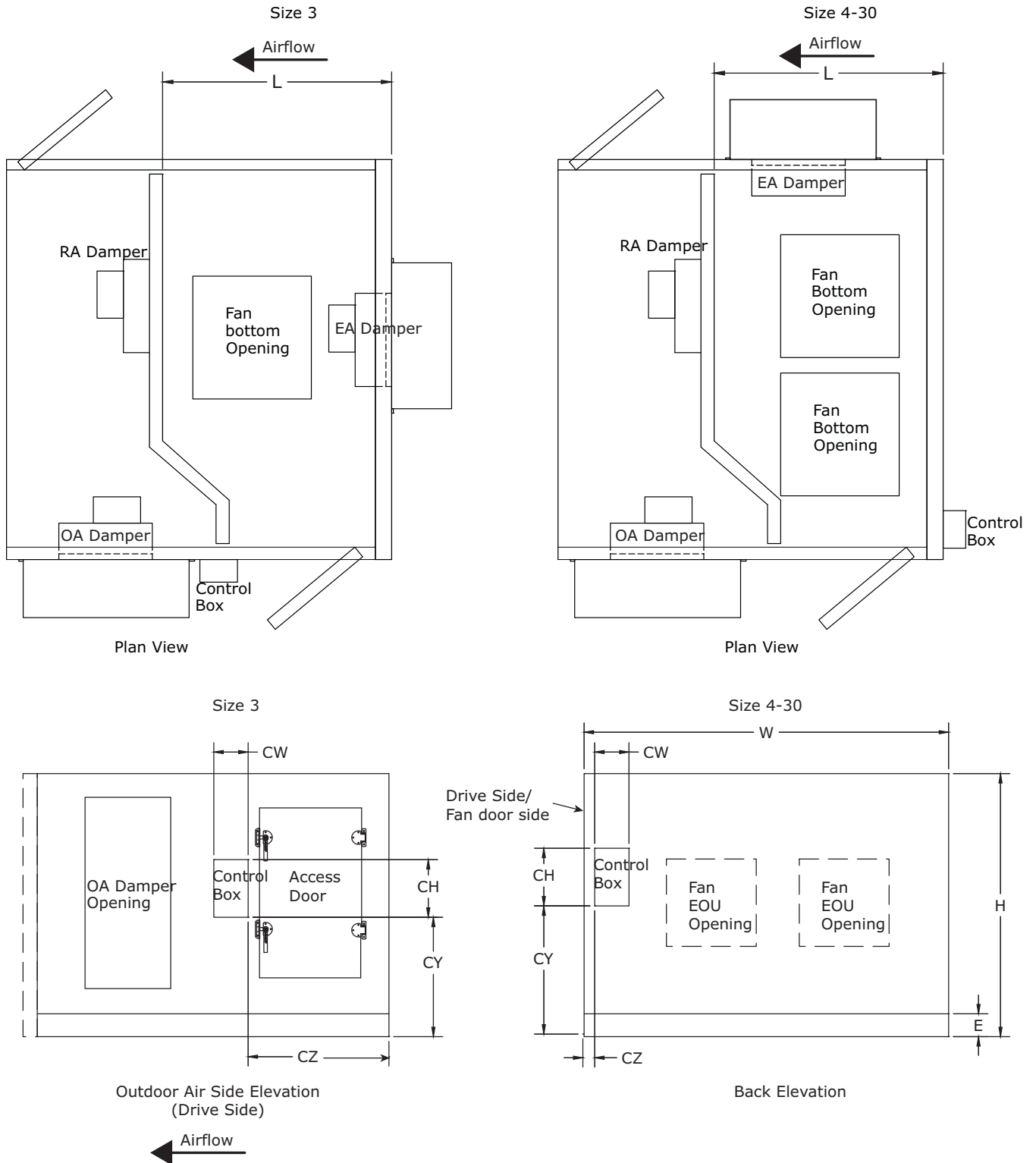


Table 68. Economizer with motorized impeller dimensions (inches)

Unit Size	Base E	Ship Split Overlap S*	Control Box			
			CH	CW	CY	CZ
3	6.00	1.00	21.00	8.00	8.50	34.62
4	6.00	1.00	21.00	8.00	8.50	1.00
6	6.00	1.00	21.00	8.00	12.50	1.00
8	6.00	1.00	21.00	8.00	14.50	1.00
10	6.00	1.00	21.00	8.00	14.50	1.00
12	6.00	1.00	21.00	8.00	14.50	1.00
14	6.00	1.00	21.00	8.00	14.50	1.00
17	6.00	1.00	21.00	8.00	19.50	1.00
21	6.00	1.00	21.00	8.00	22.50	1.00
25	6.00	1.00	21.00	8.00	25.50	1.00
30	6.00	1.00	21.00	8.00	25.50	1.00

Dimensions

Figure 45. Economizer with motorized impeller duct opening dimensions (inches)

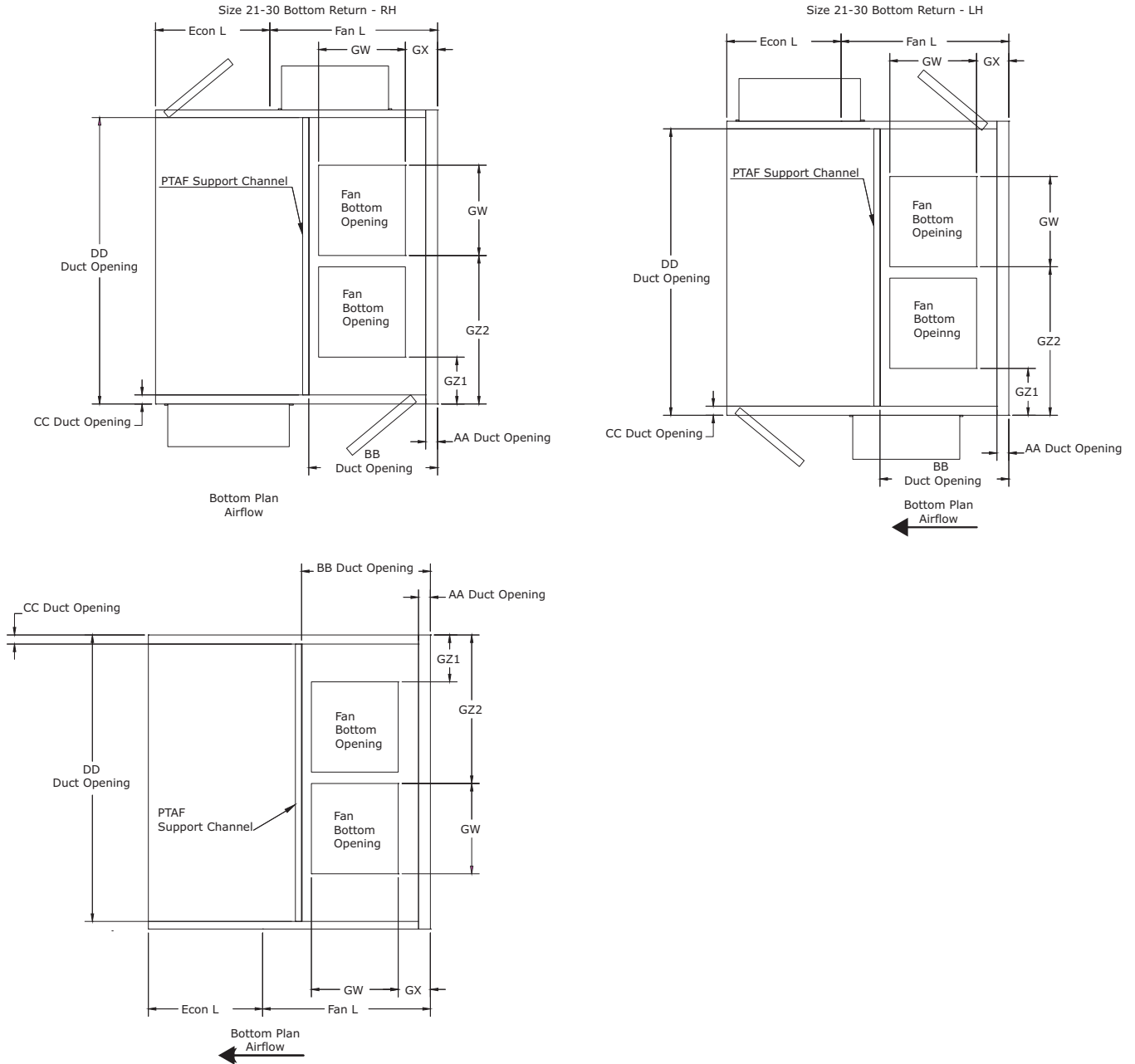


Table 69. Duct placement for bottom opening (inches)

Unit size	Fan size	AA	BB	CC	DD
17	17EP	3.00*	29.71	3.00	69.00
21	19EP	3.00*	30.26	3.00	77.00
21	19FP	3.00*	30.26	3.00	77.00
25	19EP	3.00*	30.26	3.00	77.00
25	19FP	3.00*	30.26	3.00	77.00
30	22EP	3.00*	34.25	3.00	90.50
30	22FP	3.00*	35.18	3.00	90.50

Note: *No space for PTAF at minimum functional section length

Electric Heat

Figure 46. Electric heat

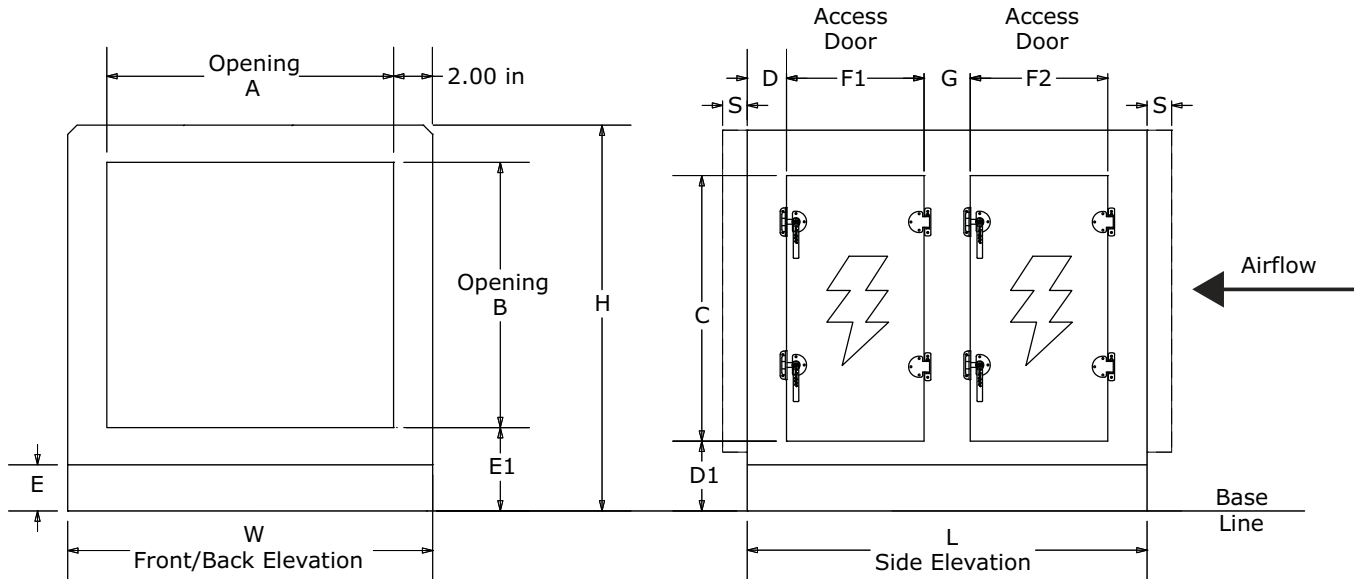


Table 70. Electric heat dimensions (inches)

Unit Size	W	L	H	A	B	C	D	D1	Base ²			Ship split		
									E	E1	F1	F2	G	S ¹
3	31.50	36.00	29.00	27.50	22.50	22.25	12.00	4.25	2.50	4.50	22.00	n/a	n/a	1.00
4	44.00	41.00	29.00	40.00	22.50	22.25	12.00	4.25	2.50	4.50	26.75	n/a	n/a	1.00
6	44.00	41.00	35.25	40.00	28.75	28.50	12.00	4.25	2.50	4.50	26.75	n/a	n/a	1.00
8	50.50	44.00	37.75	46.50	31.25	31.00	12.00	4.25	2.50	4.50	26.75	n/a	n/a	1.00
10	61.50	42.50	37.75	57.50	31.25	31.00	12.00	4.25	2.50	4.50	26.75	n/a	n/a	1.00
12	66.50	42.50	41.50	62.50	35.00	34.75	12.00	4.25	2.50	4.50	26.75	n/a	n/a	1.00
14	72.00	42.50	41.50	68.00	35.00	34.75	12.00	4.25	2.50	4.50	29.00	n/a	n/a	1.00
17	72.00	44.00	49.00	68.00	42.50	42.25	12.00	4.25	2.50	4.50	29.00	n/a	n/a	1.00
21	80.00	50.25	52.75	76.00	46.25	46.00	12.00	4.25	2.50	4.50	31.00	n/a	n/a	1.00
25	80.00	46.00	61.50	76.00	55.00	54.75	12.00	4.25	2.50	4.50	31.00	n/a	n/a	1.00
30	93.50	56.50	61.50	89.50	55.00	54.75	12.00	4.25	2.50	4.50	18.75	18.75	4.25	1.00
35	100.00	63.75	67.25	96.00	60.75	60.50	12.00	4.25	2.50	4.50	22.38	22.38	4.25	1.00
40	112.50	63.75	67.25	108.50	60.75	60.50	12.00	4.25	2.50	4.50	22.38	22.38	4.25	1.00
50	125.50	68.50	75.75	121.50	69.25	69.00	12.63	4.25	2.50	4.50	23.38	23.38	4.25	1.00
57	125.50	48.00	85.50	121.50	79.00	78.75	12.13	4.25	2.50	4.50	31.00	n/a	n/a	1.00
66	140.50	49.00	92.50	136.50	82.50	82.25	12.00	7.75	6.00	8.00	31.00	n/a	n/a	1.00

Energy Wheels

Figure 47. Energy wheel sizes 4-21

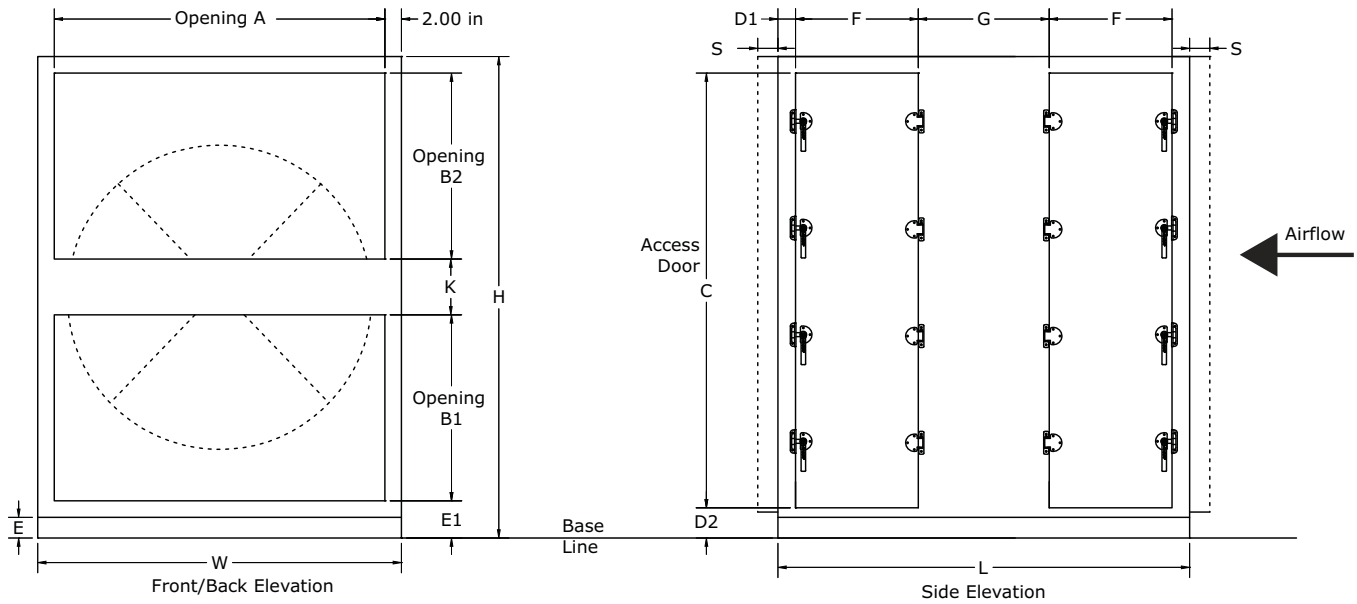
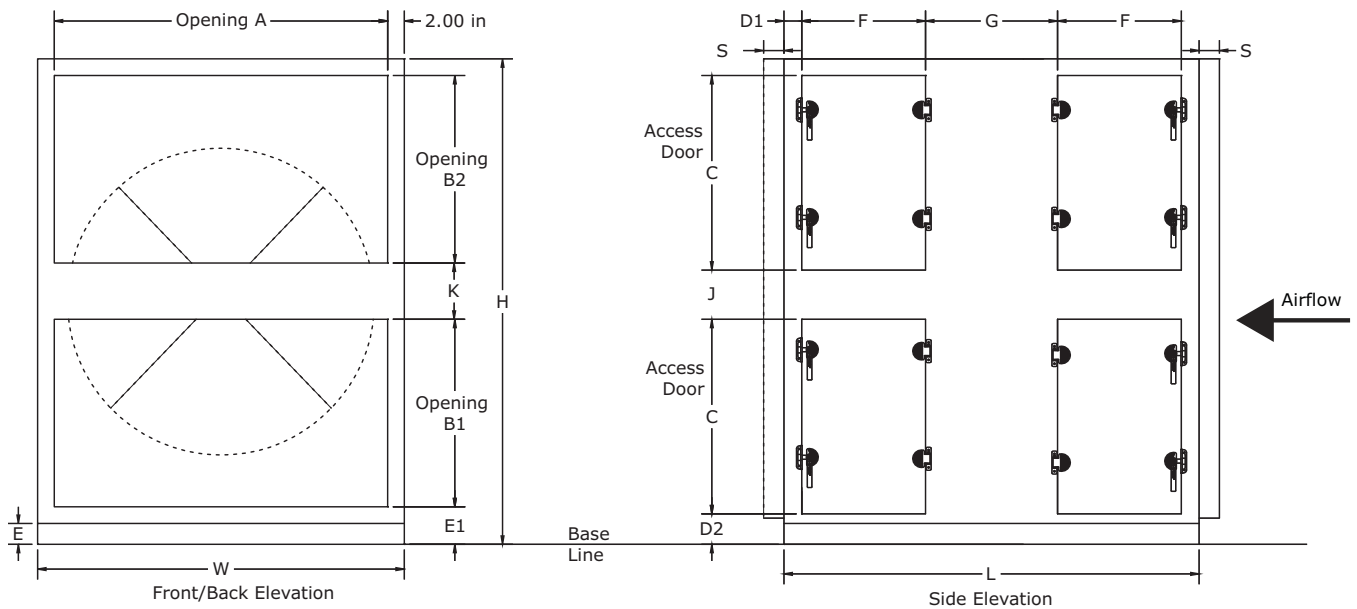


Figure 48. Energy wheel sizes 25-50





Dimensions

Table 71. Energy wheel dimensions (inches)

Unit Size	Front/Back Opening			Outward Door ⁴								Base ²			S ¹		
	W	H	L	A	B1	B2	Hinge ³	C	D1	D2	F	G	J	K		E	E1
4	44.00	58.25	52.25	40.00	22.50	22.50	AE	51.50	2.13	4.25	14.88	18.50		6.75	2.50	4.50	1.00
6	44.00	70.75	52.25	40.00	28.75	28.75	AE	64.00	2.13	4.25	14.88	18.50		6.75	2.50	4.50	1.00
8	50.50	75.75	52.25	46.50	31.25	31.25	AE	69.00	2.13	4.25	14.88	18.50		6.75	2.50	4.50	1.00
10	61.50	75.75	54.40	57.50	31.25	31.25	AE	69.00	2.13	4.25	14.88	20.75		6.75	2.50	4.50	1.00
12	66.50	83.25	57.50	62.50	35.00	35.00	AE	76.50	2.13	4.25	14.88	23.75		6.75	2.50	4.50	1.00
14	72.00	83.25	57.50	68.00	35.00	35.00	AE	76.50	2.13	4.25	14.88	23.75		6.75	2.50	4.50	1.00
17	72.00	98.25	57.50	68.00	42.50	42.50	AE	91.50	2.13	4.25	14.88	23.75		6.75	2.50	4.50	1.00
21	80.00	105.75	55.50	76.00	46.25	46.25	AE	99.00	2.13	4.25	14.88	21.75		6.75	2.50	4.50	1.00
25	80.00	123.25	55.50	76.00	55.00	55.00	AE	54.75	2.13	4.25	14.88	21.75	7.13	6.75	2.50	4.50	1.00
30	93.50	123.25	57.50	89.50	55.00	55.00	AE	54.75	2.13	4.25	14.88	23.75	7.13	6.75	2.50	4.50	1.00
35	100.00	134.75	61.25	96.00	60.75	60.75	AE	60.50	2.13	4.25	14.88	27.50	7.13	6.75	2.50	4.50	1.00
40	112.50	134.75	64.75	108.50	60.75	60.75	AE	60.50	2.13	4.25	14.88	31.00	7.13	6.75	2.50	4.50	1.00
50	125.50	151.75	64.75	121.50	69.25	69.25	AE	69.00	2.13	4.25	14.88	31.00	7.13	6.75	2.50	4.50	1.00

Note: ¹Shipping split flange dimension is for shipping planning purposes only and does not add to installed overall unit length. ²Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120. ³Hinged on air-entering (AE) side or air-leaving (AL) side. ⁴Outward swing door opening is (F-2.73)by(C-1.80).

Table 72. Energy wheel availability

Unit Size	Wheel Size								
	One Bypass Damper ¹	Two Bypass Dampers							
4	2200	1500	900						
6		2200	1500	900					
8		3000	2200	1500					
10	5000	4000	3000	2200					
12	6000	5000	4000	3000	2200				
14	7000	6000	5000	4000	3000	2200			
17		7000	6000	5000	4000	3000			
21		8500	7000	6000	5000	4000	3000		
25		8500	7000	6000	5000	4000			
30		12,500	10,500	8500	7000	6000	5000	4000	
35	17,500	15,000	12,500	10,500	8500	7000	6000	5000	
40	20,000	17,500	15,000	12,500	10,500	8500	7000	6000	5000
50	25,000	20,000	17,500	15,000	12,500	10,500	8500	7000	

Note: ¹Wheel option is not available at the unit nominal air flow for unit sizes 3,6,8,17,21,25 and 30.

Figure 49. Energy wheel cassette

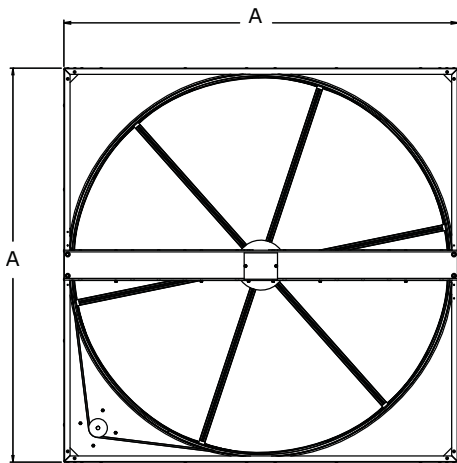
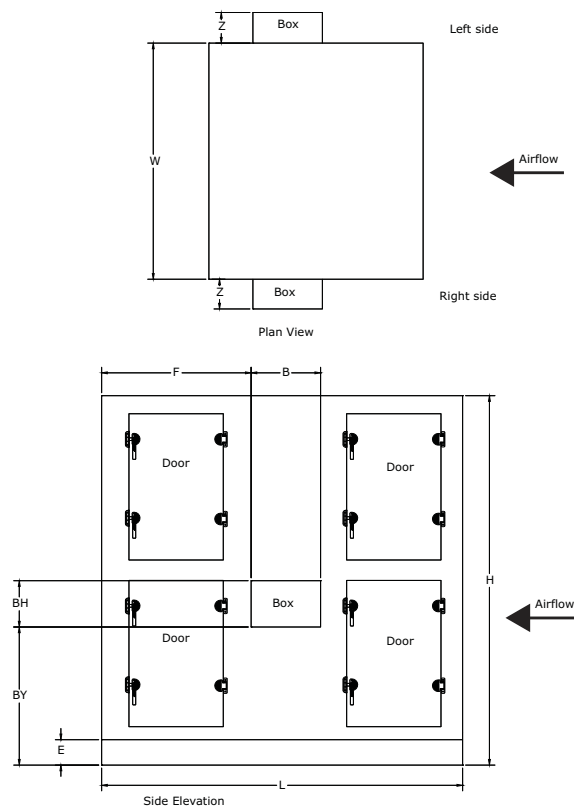


Table 73. Energy wheel cassette dimensions (inches)

Unit sizes	CFM	A	B	C	D	S	M
4,6	900	29.00	5.57	2.49	13.48	2.04	6.67
4,6,8	1500	34.00	5.57	2.49	15.98	2.04	6.67
6, 8, 10, 12, 14	2200	39.80	7.44	4.36	18.49	2.82	10.82
8, 10, 12, 14, 17, 21	3000	44.00	7.52	4.36	19.87	4.27	11.08
10, 12, 14, 17, 21, 25, 30	4000	50.00	7.52	4.36	22.87	4.27	11.08
10, 12, 14, 17, 21, 25, 30, 35	5000	56.20	7.62	4.46	25.96	4.27	11.08
12, 14, 17, 21, 25, 30, 35, 40	6000	62.40	10.17	6.07	28.71	5.00	15.36
14, 17, 21, 25, 30, 35, 40, 50	7000	68.00	10.17	6.07	31.50	5.00	15.36
21, 25, 30, 35, 40, 50	8500	72.00	11.17	7.07	33.00	6.00	15.86
30, 35, 40, 50	10,500	78.00	11.17	7.07	36.00	6.00	15.86
30, 35, 40, 50	12,500	85.00	13.17	7.07	39.00	7.00	16.86
35, 40, 50	15,000	91.00	16.10	10.00	42.00	7.00	18.33
35, 40, 50	17,500	96.00	16.10	10.00	44.50	7.00	18.33
40, 50	20,000	108.00	20.60	14.00	50.00	8.00	20.70
50	25,000	115.00	20.60	14.00	53.50	8.00	22.70

Figure 50. Energy wheel external junction box and starter enclosure





Dimensions

Table 74. Energy wheel external junction box dimensions (inches)

Unit size	W	H	L	E	Height	Width	Depth	Edge width	Edge height
					BH	B	Z	F	BY
4	44.00	58.25	52.25	2.50	4.25	4.25	3.25	19.38	20.50
6	44.00	70.75	52.25	2.50	4.25	4.25	3.25	19.38	20.50
8	50.50	75.75	52.25	2.50	4.25	4.25	3.25	19.38	20.50
10	61.50	75.75	52.25	2.50	4.25	4.25	3.25	19.38	20.50
12	66.50	83.25	57.50	2.50	4.25	4.25	3.25	19.38	20.50
14	72.00	83.25	57.50	2.50	4.25	4.25	3.25	19.38	20.50
17	72.00	98.25	57.50	2.50	4.25	4.25	3.25	19.38	39.63
21	80.00	105.75	55.50	2.50	4.25	4.25	3.25	19.38	39.63
25	80.00	123.25	55.50	2.50	4.25	4.25	3.25	19.38	39.63
30	93.50	123.25	57.50	2.50	4.25	4.25	3.25	19.38	39.63
35	100.00	134.75	61.25	2.50	4.25	4.25	3.25	19.38	39.63
40	112.50	134.75	64.75	2.50	4.25	4.25	3.25	19.38	39.63
50	125.50	151.75	64.75	2.50	4.25	4.25	3.25	19.38	39.63

Table 75. Energy wheel starter enclosure dimensions (inches)

Unit size	W	H	L	E	Height	Width	Depth	Edge width	Edge height
					BH	B	Z	F	BY
4	44.00	58.25	52.25	2.50	14.25	11.50	6.00	19.38	17.75
6	44.00	70.75	52.25	2.50	14.25	11.50	6.00	19.38	17.75
8	50.50	75.75	52.25	2.50	14.25	11.50	6.00	19.38	17.75
10	61.50	75.75	52.25	2.50	14.25	11.50	6.00	19.38	17.75
12	66.50	83.25	57.50	2.50	14.25	11.50	6.00	19.38	17.75
14	72.00	83.25	57.50	2.50	14.25	11.50	6.00	19.38	17.75
17	72.00	98.25	57.50	2.50	14.25	11.50	6.00	19.38	36.88
21	80.00	105.75	55.50	2.50	14.25	11.50	6.00	19.38	36.88
25	80.00	123.25	55.50	2.50	14.25	11.50	6.00	19.38	36.88
30	93.50	123.25	57.50	2.50	14.25	11.50	6.00	19.38	36.88
35	100.00	134.75	61.25	2.50	14.25	11.50	6.00	19.38	36.88
40	112.50	134.75	64.75	2.50	14.25	11.50	6.00	19.38	36.88
50	125.50	151.75	64.75	2.50	14.25	11.50	6.00	19.38	36.88

Fans/Motors

Special note about the Precision Motor HP option: To use these tables, the nameplate HP of the motor and the VFD—both of which will be greater than the Precision Motor HP—must be known.

Starter/VFD Weights

With the exception of motorized impellers, fan weight does not include starter/VFD weight. See [Table 76](#) for approximate starter/VFD weight.

Table 76. Approximate starter and VFD weights per horsepower (lbs.)

Horsepower	1	1 1/2	2	3	5	7 1/2	10	15	20	25	30	40	50	60	75	100	125
Starter ¹	65	65	65	65	65	65	65	65	65	97	97	97	97	97	97	97	97
VFD ²	123	123	132	124	125	136	151	162	177	197	241	325	332	243	258	294	314

Note: ¹These weights represent the largest available starter. ²VFD weights include transformer, distribution block, and enclosure.

Motor Weights

Fan weights provided in this manual include the heaviest ODP (open drip-proof) motor. In the case of motorized impellers, fan weights include the packaged motor.

Table 77. Approximate motor weights (pounds)

Motor Type	Motor RPM	Horsepower																	
		3/4	1	1-1/2	2	3	5	7-1/2	10	15	20	25	30	40	50	60	75	100	125
Energy efficient ODP (EOP)	1800	24	29																
NEMA Premium ODP (HEOP)	1200		39	77	91	147	126	249	300	375	443	594	667						
NEMA Premium TEFC (HETC)			56	96	109	148	185	310	341	423	481	614	655						
NEMA Premium ODP (HEOP)	1800		36	42	47	76	82	118	148	234	263	330	379	488	521	698	808	1114	1238
NEMA Premium TEFC (HETC)			47	54	56	91	108	159	185	285	315	452	481	578	670	808	889	1239	1466
NEMA Premium ODP (HEOP)	3600		36	36	37	89	104	173	203	267	243	261	407						
NEMA Premium TEFC (HETC)			36	53	62	85	103	154	176	287	322	448	496						

Fan Types and Orientation

Figure 51. Fan access doors

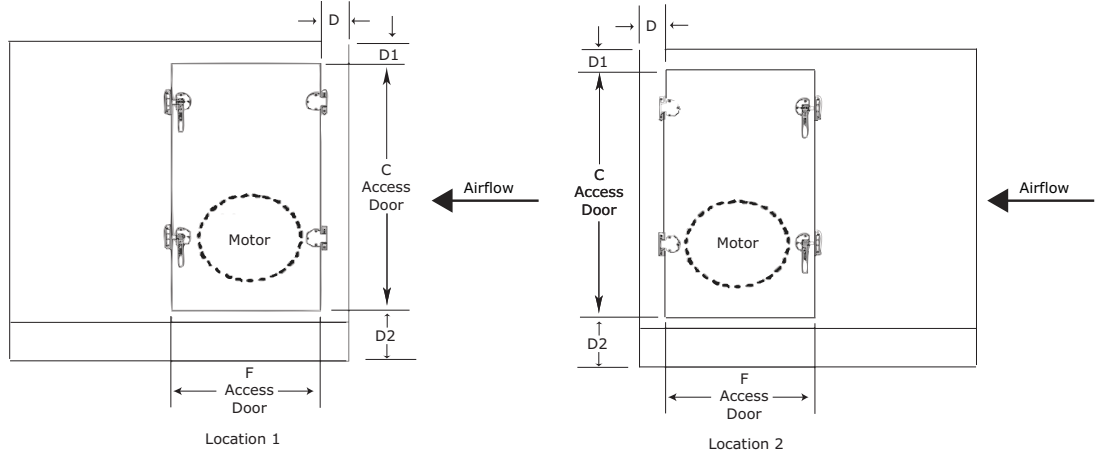
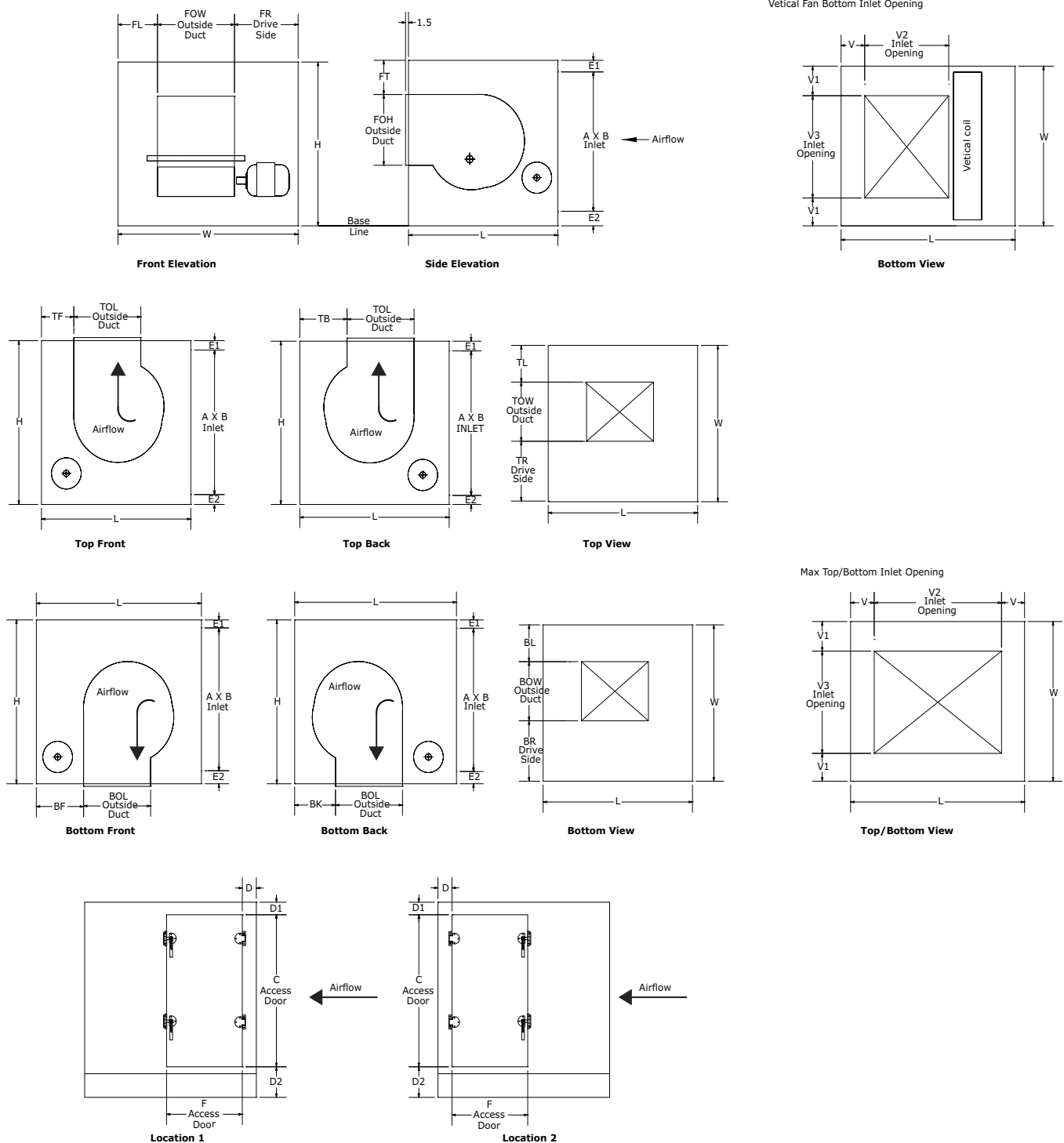


Table 78. Fan type, orientation and door locations

Unit Size	Fan Type	Fan Orientation	Access Door Location
3-8	Housed Fan	FTTP, TPFT, BTFT, FTBT	Location 1
		TPBK, BTBK	Location 2
10-120	Housed Fan	FTTP, TPBK, BTBK, FTBT	Location 1
		TPFT, BTFT	Location 2
3-120	Belt-drive plenum fan	All	Location 2
3-57	Direct-drive plenum fan	All	Location 2
3-57	Vertical motorized impeller fan	All	Location 2

Housed Fans

Figure 52. Housed fans





Dimensions

Table 79. Housed fan - full face inlet and door dimensions (inches)

Unit size	Fan size	Full-face inlet dimensions			Access door dimensions						Internal high voltage Enclosure Door				Disconnect height			
		W	L	H	A	B	E1	E2	C	F	D	D1	D2	P		P1	P2	P3
3	All	31.50	36.00	29.00	27.50	22.50	2.00	4.50	22.25	13.75	3.13	2.63	4.25	n/a	n/a	n/a	n/a	n/a
4	All	44.00	41.00	29.00	40.00	22.50	2.00	4.50	22.25	18.75	3.13	2.63	4.25	n/a	n/a	n/a	n/a	n/a
6	All	44.00	41.00	35.25	40.00	28.75	2.00	4.50	28.50	16.75	3.13	2.63	4.25	n/a	n/a	n/a	n/a	n/a
8	All	50.50	44.00	37.75	46.50	31.25	2.00	4.50	31.00	18.75	3.13	2.63	4.25	n/a	n/a	n/a	n/a	n/a
10	All	61.50	42.50	37.75	57.50	31.25	2.00	4.50	31.00	17.25	3.13	2.63	4.25	n/a	n/a	n/a	n/a	n/a
12	All	66.50	42.50	41.50	62.50	35.00	2.00	4.50	34.75	17.25	3.13	2.63	4.25	n/a	n/a	n/a	n/a	n/a
14	All	72.00	42.50	41.50	68.00	35.00	2.00	4.50	34.75	17.25	3.13	2.63	4.25	n/a	n/a	n/a	n/a	n/a
17	All	72.00	44.00	49.00	68.00	42.50	2.00	4.50	42.25	17.75	3.13	2.63	4.25	n/a	n/a	n/a	n/a	n/a
21	All	80.00	50.25	52.75	76.00	46.25	2.00	4.50	46.00	22.00	3.13	2.63	4.25	n/a	n/a	n/a	n/a	n/a
25	All	80.00	56.50	61.50	76.00	55.00	2.00	4.50	54.75	26.75	3.13	2.63	4.25	n/a	n/a	n/a	n/a	n/a
30	All	93.50	56.50	61.50	89.50	55.00	2.00	4.50	54.75	26.75	3.13	2.63	4.25	n/a	n/a	n/a	n/a	n/a
35	All	100.00	63.75	67.25	96.00	60.75	2.00	4.50	60.50	22.00	7.88	2.63	4.25	5.38	3.00	17.38	4.13	46.25
40	All	112.50	63.75	67.25	108.50	60.75	2.00	4.50	60.50	22.00	7.88	2.63	4.25	5.38	3.00	17.38	4.13	46.25
50	All	125.50	68.50	75.75	121.50	69.25	2.00	4.50	69.00	26.75	7.88	2.63	4.25	5.38	3.00	17.38	4.13	46.25
57	All	125.50	68.50	85.50	121.50	79.00	2.00	4.50	60.50	26.75	7.88	20.88	4.25	5.38	3.00	17.38	4.13	46.25
66	All	140.50	84.00	92.50	136.50	82.50	2.00	8.00	60.50	29.00	7.88	24.38	7.75	5.38	3.00	17.38	5.13	46.25
80	All	140.50	92.00	107.50	136.50	97.50	2.00	8.00	60.50	29.00	7.88	39.38	7.75	5.38	3.00	17.38	5.13	46.25
100	All	154.50	96.00	119.75	150.50	109.75	2.00	8.00	60.50	32.75	7.88	51.63	7.75	5.38	3.00	17.38	5.13	46.25
120	All	182.00	96.00	119.75	178.00	109.75	2.00	8.00	60.50	32.75	7.88	51.63	7.75	5.38	3.00	17.38	5.13	46.25

Housed Fan Discharge Openings

Table 80. Housed fan - Front-top (FTTP)/Back-top (BKTP) and Top-front (TPFT)/Top-back (TPBK) discharge opening dimensions (inches) for unit sizes 3-31

Unit Size	Fan Size	FTTP/BKTP Discharge Opening					TPFT/TPBK Discharge Opening					
		FT	FR	FL	FOH	FOW	TF	TB	TR	TL	TOL	TOW
3	9 FC, BC	6.13	10.00	10.00	10.38	11.75	5.38	20.25	9.88	9.88	10.50	12.00
	9-6 FC	6.13	11.63	11.63	10.38	8.38	5.38	20.25	11.63	11.63	10.50	8.50
	9-4 FC	6.13	12.38	12.38	10.38	6.88	5.38	20.25	12.38	12.38	10.50	7.00
4	10 FC, BC	4.25	15.50	15.50	11.38	13.13	5.63	24.00	15.50	15.50	11.63	13.25
	9 FC, BC	6.13	16.25	16.25	10.38	11.75	5.63	25.13	16.13	16.13	10.50	12.00
	9-6 FC	6.13	17.88	17.88	10.38	8.38	5.63	25.13	17.88	17.88	10.50	8.50
6	12 FC, AF	6.88	14.25	14.25	13.50	15.63	5.50	22.13	14.25	14.25	13.63	15.75
	10 FC, BC	10.00	15.50	15.50	11.38	13.13	5.63	24.00	15.50	15.50	11.63	13.25
	9 FC, BC	11.88	16.25	16.25	10.38	11.75	5.63	25.13	16.13	16.13	10.50	12.00
8	12 FC, AF	9.38	17.50	17.50	13.50	15.63	5.50	25.13	17.50	17.50	13.63	15.75
	10 FC, BC	12.50	18.75	18.75	11.38	13.13	5.63	27.00	18.75	18.75	11.63	13.25
	9 FC, BC	14.38	19.50	19.50	10.38	11.75	5.63	28.13	19.38	19.38	10.50	12.00
10	15 FC, AF	5.13	33.50	9.50	15.88	18.63	14.00	12.63	33.50	9.50	16.13	18.75
	12 FC, AF	8.88	33.50	12.50	13.50	15.63	17.75	11.25	33.50	12.50	13.63	15.75
	10 FC, BC	12.00	33.88	14.75	11.38	13.13	20.88	10.25	33.75	14.75	11.63	13.25
12	18 FC, AF	3.88	33.63	11.00	18.88	22.00	9.00	14.63	33.50	11.00	19.00	22.13
	15 FC, AF	8.88	33.63	14.50	15.88	18.63	14.00	12.63	33.50	14.38	16.13	18.75
	12 FC, AF	12.63	33.63	17.50	13.50	15.63	17.75	11.25	33.50	17.38	13.63	15.75
14	18 FC, AF	3.88	35.00	15.25	18.88	22.00	9.00	14.63	34.88	15.13	19.00	22.13
	15 FC, AF	8.88	35.00	18.63	15.88	18.63	14.00	12.63	34.88	18.63	16.13	18.75
	12 FC, AF	12.63	35.00	21.63	13.50	15.63	17.75	11.25	34.88	21.50	13.63	15.75
17	20 FC, AF	4.88	35.00	12.00	25.13	25.13	4.50	14.38	34.88	12.00	25.38	25.38
	18 FC, AF	11.38	35.00	15.25	18.88	22.00	10.50	14.63	34.88	15.13	19.00	22.13
	15 FC, AF	16.38	35.00	18.63	15.88	18.63	15.50	12.63	34.88	18.63	16.13	18.75
21	22 FC, AF	3.38	38.88	13.00	28.25	28.25	7.25	14.88	38.88	13.00	28.38	28.38
	20 FC, AF	7.75	38.88	16.13	25.13	25.13	11.38	13.75	38.88	16.00	25.38	25.38
	18 FC, AF	14.25	38.88	19.25	18.88	22.00	16.75	14.63	38.88	19.25	19.00	22.13
25	22 FC, AF	12.13	38.88	13.00	28.25	28.25	13.50	14.88	38.88	13.00	28.38	28.38
	20 FC, AF	16.50	38.88	16.13	25.13	25.13	17.63	13.75	38.88	16.00	25.38	25.38
	18 FC, AF	23.00	38.88	19.25	18.88	22.00	23.00	14.63	38.88	19.25	19.00	22.13
30	25 FC, AF	7.13	47.50	14.50	31.63	31.63	8.38	16.50	47.50	14.50	31.75	31.75
	22 FC, AF	12.13	47.50	17.88	28.25	28.25	13.50	14.88	47.50	17.88	28.38	28.38
	20 FC, AF	16.50	47.50	21.00	25.13	25.13	17.63	13.75	47.50	20.88	25.38	25.38



Dimensions

Table 81. Housed fan - Front-top (FTTP)/Back-top (BKTP) and Top-front (TPFT)/Top-back (TPBK) discharge opening dimensions (inches) for unit sizes 35-120

Unit size	Fan size	FTTP/BKTP Discharge Opening					TPFT/TPBK Discharge Opening					
		FT	FR	FL	FOH	FOW	TF	TB	TR	TL	TOL	TOW
35	25 FC, AF	8.80	46.19	22.03	31.79	31.79	13.09	18.88	46.19	22.03	31.79	31.79
	22 FC, AF	13.80	46.19	25.42	28.40	28.40	18.09	17.27	46.19	25.42	28.40	28.40
	20 FC, AF	18.15	46.19	28.45	25.37	25.37	22.44	15.95	46.19	28.45	25.37	25.37
40	28 FC, AF	5.03	46.19	30.72	35.60	35.60	7.09	21.07	46.19	30.72	35.60	35.60
	25 FC, AF	8.80	46.19	34.53	31.79	31.79	13.09	18.88	46.19	34.53	31.79	31.79
	22 FC, AF	13.80	46.19	37.92	28.40	28.40	18.09	17.27	46.19	37.92	28.40	28.40
50	32 FC, AF	5.09	50.61	35.00	39.90	39.90	5.49	23.12	50.61	35.00	39.90	39.90
	28 FC, AF	11.53	50.61	39.30	35.60	35.60	12.07	20.84	50.61	39.30	35.60	35.60
	25 FC, AF	17.30	50.61	43.11	31.79	31.79	17.99	18.73	50.61	43.11	31.79	31.79
57	32 FC, AF	14.84	50.61	35.00	39.90	39.90	5.49	23.12	50.61	35.00	39.90	39.90
	28 FC, AF	21.28	50.61	39.29	35.60	35.60	12.07	20.84	50.61	39.30	35.60	35.60
	25 FC, AF	27.05	50.61	43.11	31.79	31.79	18.00	18.73	50.61	43.11	31.79	31.79
66	36 FC, AF	10.74	57.57	38.20	44.74	44.74	14.01	25.25	57.57	38.20	44.74	44.74
	32 FC, AF	17.84	57.57	43.04	39.90	39.90	21.11	22.99	57.57	43.04	39.90	39.90
	28 FC, AF	24.28	57.58	47.33	35.60	35.60	27.42	20.99	57.57	47.33	35.60	35.60
80	40 FC, AF	19.38	57.57	32.81	50.13	50.13	15.65	26.21	57.57	32.81	50.13	50.13
	36 FC, AF	25.74	57.57	38.20	44.74	44.74	22.01	25.25	57.57	38.20	44.74	44.74
	32 FC, AF	32.84	57.57	43.04	39.90	39.90	29.11	22.99	57.57	43.04	39.90	39.90
100	40 FC, AF	31.63	60.32	44.06	50.13	50.13	19.65	26.21	62.86	41.52	50.13	50.13
	36 FC, AF	37.99	60.32	49.45	44.74	44.74	26.02	25.24	62.86	46.91	44.74	44.74
	32 FC, AF	45.09	60.32	54.29	39.90	39.90	33.11	22.99	62.86	51.75	39.90	39.90
	44 AF	22.20	62.79	35.61	56.11	56.11	12.39	27.50	62.78	35.61	56.11	56.11
120	40 FC, AF	31.63	70.57	61.31	50.13	50.13	19.65	26.21	73.11	58.77	50.13	50.13
	36 FC, AF	37.99	70.57	66.70	44.74	44.74	26.02	25.24	73.11	64.16	44.74	44.74
	32 FC	45.09	70.57	71.54	39.90	39.90	33.11	22.99	73.11	69.00	39.90	39.90
	49 AF	12.87	73.04	46.13	62.84	62.84	5.25	29.66	73.03	46.13	62.84	62.84
	44 AF	22.20	73.04	52.86	56.11	56.11	12.39	27.50	73.03	52.86	56.11	56.11

Table 82. Housed fan - Bottom-front (BTFT)/Bottom-back (BTBK) and Front-bottom (FTBT)/ Back-bottom (BKBT) discharge openings dimensions (inches) for unit sizes 3-120

Unit Size	Housed Fan Size	BTFT/BTBK Discharge Opening						FTBT/BKBT Discharge Opening				
		BF	BK	BR	BL	BOL	BOW	FB	FR	FL	FOH	FOW
3	9 FC, BC	4.88	19.88	9.38	9.38	11.50	12.88	10.38	10.00	10.00	10.38	11.75
	9-6 FC	4.88	19.88	11.13	11.13	11.50	9.38	10.38	11.63	11.63	10.38	8.38
	9-4 FC	4.88	19.88	11.88	11.88	11.50	8.00	10.38	12.38	12.38	10.38	6.88
4	10 FC, BC	5.13	23.63	15.00	15.00	12.50	14.13	9.38	15.50	15.50	11.38	13.13
	9 FC, BC	5.13	24.63	15.63	15.63	11.50	12.88	10.38	16.25	16.25	10.38	11.75
	9-6 FC	5.13	24.63	17.38	17.38	11.50	9.38	10.38	17.88	17.88	10.38	8.38
6	12 FC, AF	5.00	21.63	13.75	13.75	14.63	16.75	13.13	14.25	14.25	13.50	15.63
	10 FC, BC	5.13	23.63	15.00	15.00	12.50	14.13	15.13	15.50	15.50	11.38	13.13
	9 FC, BC	5.13	24.63	15.63	15.63	11.50	12.88	16.13	16.25	16.25	10.38	11.75
8	12 FC, AF	5.00	24.63	17.00	17.00	14.63	16.75	15.63	17.50	17.50	13.50	15.63
	10 FC, BC	5.13	26.63	18.25	18.25	12.50	14.13	17.63	18.75	18.75	11.38	13.13
	9 FC, BC	5.13	27.63	18.88	18.88	11.50	12.88	18.63	19.50	19.50	10.38	11.75
10	15 FC, AF	13.50	12.13	33.00	9.00	17.00	19.75	12.63	33.50	9.50	15.88	18.63
	12 FC, AF	17.25	10.75	33.00	12.00	14.63	16.75	15.13	33.50	12.50	13.50	15.63
	10 FC, BC	20.38	9.75	33.25	14.25	12.50	14.13	17.13	33.88	14.75	11.38	13.13
12	18 FC, AF	8.63	14.13	33.13	10.50	19.88	23.13	13.50	33.63	11.00	18.88	22.00
	15 FC, AF	13.50	12.13	33.13	13.88	17.00	19.75	16.38	33.63	14.50	15.88	18.63
	12 FC, AF	17.25	10.75	33.13	16.88	14.63	16.75	18.88	33.63	17.50	13.50	15.63
14	18 FC, AF	8.63	14.13	34.38	14.75	19.88	23.13	13.50	35.00	15.25	18.88	22.00
	15 FC, AF	13.50	12.13	34.38	18.13	17.00	19.75	16.38	35.00	18.63	15.88	18.63
	12 FC, AF	17.25	10.75	34.38	21.13	14.63	16.75	18.88	35.00	21.63	13.50	15.63
17	20 FC, AF	7.50	10.50	34.38	11.50	26.25	26.25	15.25	35.00	12.00	25.13	25.13
	18 FC, AF	10.13	14.13	34.38	14.75	19.88	23.13	21.00	35.00	15.25	18.88	22.00
	15 FC, AF	15.00	12.13	34.38	18.13	17.00	19.75	23.88	35.00	18.63	15.88	18.63
21	22 FC, AF	7.50	13.63	38.38	12.50	29.25	29.25	14.88	38.88	13.00	28.25	28.25
	20 FC, AF	10.88	13.25	38.38	15.50	26.25	26.25	18.13	38.88	16.13	25.13	25.13
	18 FC, AF	16.38	14.13	38.38	18.75	19.88	23.13	23.63	38.88	19.25	18.88	22.00
25	22 FC, AF	13.00	14.38	38.38	12.50	29.25	29.25	23.63	38.88	13.00	28.25	28.25
	20 FC, AF	17.13	13.25	38.38	15.50	26.25	26.25	26.88	38.88	16.13	25.13	25.13
	18 FC, AF	22.63	14.13	38.38	18.75	19.88	23.13	32.50	38.88	19.25	18.88	22.00
30	25 FC, AF	8.00	16.00	47.00	14.00	32.75	32.75	20.13	47.50	14.50	31.63	31.63
	22 FC, AF	13.00	14.38	47.00	17.38	29.25	29.25	23.63	47.50	17.88	28.25	28.25
	20 FC, AF	17.13	13.25	47.00	20.38	26.25	26.25	26.88	47.50	21.00	25.13	25.13



Dimensions

Table 82. Housed fan - Bottom-front (BTFT)/Bottom-back (BTBK) and Front-bottom (FTBT)/ Back-bottom (BKBT) discharge openings dimensions (inches) for unit sizes 3-120

Unit Size	Housed Fan Size	BTFT/BTBK Discharge Opening						FTBT/BKBT Discharge Opening				
		BF	BK	BR	BL	BOL	BOW	FB	FR	FL	FOH	FOW
35	25 FC	13.09	18.88	46.19	22.03	31.79	31.79	22.48	46.04	21.88	32.08	32.08
	22 FC	18.09	17.27	46.19	25.42	28.40	28.40	25.61	46.04	25.27	28.68	28.68
	20 FC	22.44	15.95	46.19	28.45	25.37	25.37	28.54	46.04	28.30	25.66	25.66
40	28 FC	10.60	17.56	46.19	30.72	35.60	35.60	18.39	46.04	33.57	35.88	35.88
	25 FC	13.09	18.88	46.19	34.53	31.79	31.79	22.18	46.04	34.38	32.08	32.08
	22 FC	18.09	17.27	46.19	37.92	28.40	28.40	25.61	46.04	37.77	28.68	28.68
50	32 FC	10.60	18.01	50.61	35.00	39.90	39.90	22.57	50.46	34.85	40.18	40.18
	28 FC	12.07	20.84	50.61	39.30	35.60	35.60	26.89	50.46	39.15	35.88	35.88
	25 FC	17.99	18.73	50.61	43.11	31.79	31.79	30.68	50.46	42.96	32.08	32.08
57	32 FC	10.60	18.01	50.61	35.00	39.90	39.90	22.57	50.46	34.85	40.18	40.18
	28 FC	12.07	20.84	50.61	39.30	35.60	35.60	26.89	50.46	39.15	35.88	35.88
	25 FC	17.99	18.73	50.61	43.11	31.79	31.79	30.68	50.46	42.96	32.08	32.08
66	36 FC	14.01	25.25	57.57	38.20	44.74	44.74	30.50	52.79	42.33	45.02	45.02
	32 FC	21.11	22.99	57.57	43.04	39.90	39.90	35.32	52.79	47.52	40.18	40.18
	28 FC	27.42	20.99	57.57	47.33	35.60	35.60	39.64	52.79	51.82	35.88	35.88
80	40 FC	15.65	26.21	57.57	32.81	50.13	50.13	40.10	52.79	37.29	50.42	50.42
	36 FC	22.01	25.25	57.57	38.20	44.74	44.74	45.50	52.79	42.68	45.02	45.02
	32 FC	29.11	22.99	57.57	43.04	39.90	39.90	50.32	52.79	47.56	40.18	40.18
100	40 FC	19.65	26.21	62.86	41.52	50.13	50.13	40.04	64.04	39.77	50.42	50.42
	36 FC	26.02	25.24	62.86	46.91	44.74	44.74	57.75	64.04	45.43	45.02	45.02
	32 FC	33.11	22.99	62.86	51.75	39.90	39.90	62.62	64.04	50.32	40.18	40.18
	44 AF	12.61	27.28	62.78	35.61	56.11	56.11	44.84	62.79	35.61	56.11	56.11
120	40 FC, AF	19.65	26.21	73.11	58.77	50.13	50.13	52.34	81.29	50.34	50.42	50.42
	36 FC, AF	26.02	25.24	73.11	64.16	44.74	44.74	57.75	81.29	55.74	45.02	45.02
	32 FC	33.11	22.99	73.11	69.00	39.90	39.90	62.57	81.34	60.56	40.18	40.18
	49 AF	12.57	n/a	73.03	46.13	62.84	62.84	38.11	73.04	46.13	62.84	62.84
	44 AF	12.61	27.28	73.03	52.86	56.11	56.11	44.84	73.04	52.86	56.11	56.11

Housed Fan Inlet Openings

Table 83. Housed fan - inlet opening dimensions (inches) for unit sizes 3-120

Unit Size	Fan Size	Vertical Fan Bottom Inlet Opening				Max Top/Bottom Inlet Opening			
		V	V1	V2	V3	V	V1	V2	V3
3	All	4.13	8.00	17.00	15.50	4.13	8.00	27.75	15.50
4	All	4.13	8.00	17.00	28.00	4.13	8.00	32.75	28.00
6	All	4.13	8.00	17.00	28.00	4.13	8.00	32.75	28.00
8	All	4.13	8.00	19.00	34.50	4.13	8.00	35.75	34.50
10	All	4.13	9.00	19.00	43.50	4.13	9.00	34.25	43.50
12	All	4.13	9.00	19.00	48.50	4.13	9.00	34.25	48.50
14	All	4.13	9.00	19.00	54.00	4.13	9.00	34.25	54.00
17	All	4.13	9.00	19.00	54.00	4.13	9.00	35.75	54.00
21	All	4.13	9.00	17.00	62.00	4.13	9.00	42.00	62.00
25	All	4.13	9.00	29.00	62.00	4.13	9.00	48.25	62.00
30	All	4.13	9.00	29.00	75.50	4.13	9.00	48.25	75.50
35	All	8.25	10.00	47.25	80.00	8.25	10.00	47.25	80.00
40	All	8.25	10.00	47.25	92.50	8.25	10.00	47.25	92.50
50	All	8.25	10.00	52.00	105.50	8.25	10.00	52.00	105.50
57	All	8.25	10.00	52.00	105.50	8.25	10.00	52.00	105.50
66	All	8.25	25.20	67.50	90.10	8.25	25.20	67.50	90.10
80	All	8.25	25.20	75.50	90.10	8.25	25.20	75.50	90.10
100	All	8.25	27.90	79.50	98.70	8.25	27.90	79.50	98.70
120	All	8.25	38.20	79.50	105.60	8.25	38.20	79.50	105.60



Dimensions

Belt-Drive Plenum Fans

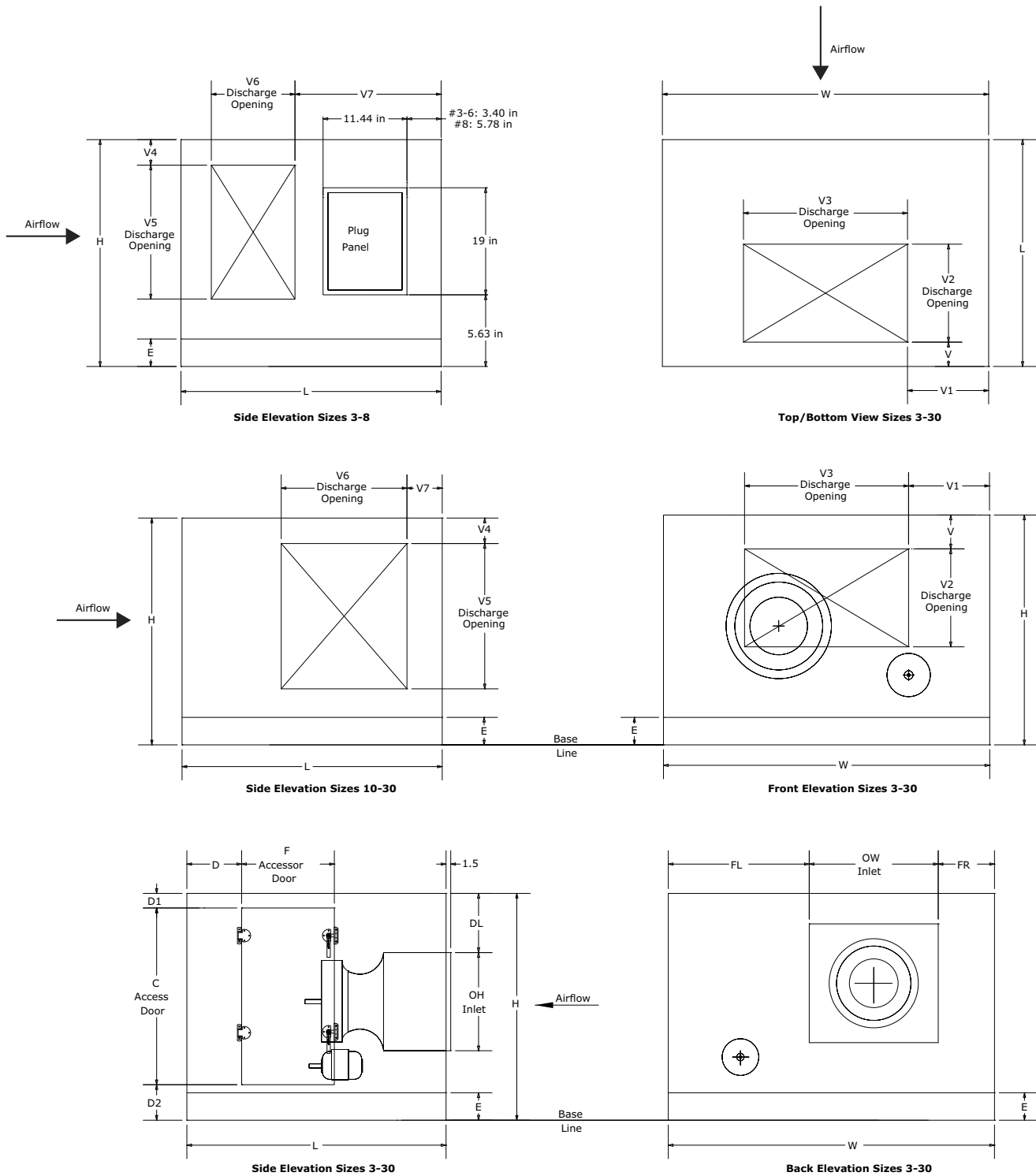
Table 84. Belt-drive plenum fan door and inlet dimensions (inches) for unit sizes 3-120

Unit size	Fan type	Fan size	Door Dimensions				Inlet Dimension									
			W	L	H	E	C	F	D	D1	D2	OH	OW	DL	FR	FL
3	11P	11 BC	31.50	36.00	29.00	4.50	22.25	13.75	3.13	2.63	4.25	14.25	14.25	6.13	11.25	6.00
	10P	10 BC										12.75	12.75	7.63	12.25	6.50
4	12P	12 AF	44.00	41.00	29.00	4.50	22.25	18.75	3.13	2.63	4.25	16.13	16.13	4.25	14.00	14.00
	11P	11 BC										14.25	14.25	6.13	14.88	14.88
6	16P	16 AF	44.00	41.00	35.25	4.50	28.50	16.75	3.13	2.63	4.25	20.38	20.38	6.25	11.88	11.88
	14P	14 AF										18.13	18.13	8.50	13.00	13.00
8	16P	16 AF	50.50	44.00	37.75	4.50	31.00	18.75	3.13	2.63	4.25	20.38	20.38	8.75	15.13	15.13
	14P	14 AF										18.13	18.13	11.00	16.25	16.25
10	18P	18 AF	61.50	42.50	37.75	4.50	31.00	17.25	3.13	2.63	4.25	22.88	22.88	6.63	8.63	30.00
	16P	16 AF										20.38	20.38	9.13	9.38	31.75
12	20P	20 AF	66.50	42.50	41.50	4.50	34.75	17.25	3.13	2.63	4.25	25.50	25.50	7.75	8.88	32.25
	18P	18 AF										22.88	22.88	10.38	8.63	35.00
14	22P	22 AF	72.00	42.50	41.50	4.50	34.75	17.25	3.13	2.63	4.25	28.50	28.50	4.75	8.63	34.88
	20P	20 AF										25.50	25.50	7.75	11.63	34.88
17	25P	25 AF	72.00	44.00	49.00	4.50	42.25	17.75	3.13	2.63	4.25	32.00	32.00	8.75	8.63	31.38
	22P	22 AF										28.50	28.50	12.25	8.88	34.63
21	28P	28 AF	80.00	50.25	52.75	4.50	46.00	18.75	3.13	2.63	4.25	35.75	35.75	8.00	9.63	34.75
	25P	25 AF										32.00	32.00	11.75	8.63	39.38
25	28P	28 AF	80.00	50.25	61.50	4.50	54.75	18.75	3.13	2.63	4.25	35.75	35.75	16.75	9.63	34.75
	25P	25 AF										32.00	32.00	20.50	8.63	39.38
30	32P	32 AF	93.50	52.50	61.50	4.50	54.75	22.00	3.13	2.63	4.25	40.25	40.25	12.25	10.75	42.50
	28P	28 AF										35.75	35.75	16.75	15.25	42.50
35	36P	36 AF	100.00	53.50	67.25	4.50	60.50	22.00	3.13	2.63	4.25	45.25	45.25	9.00	12.00	42.75
	32P	32 AF										40.25	40.25	14.00	17.00	42.75
40	40P	40 AF	112.50	53.50	67.25	4.50	60.50	22.00	3.13	2.63	4.25	49.75	49.75	4.50	20.00	42.75
	36P	36 AF										45.25	45.25	9.00	24.50	42.75
50	40P	40 AF	125.50	57.50	75.75	4.50	69.00	26.75	3.13	2.63	4.25	49.75	49.75	13.00	21.25	54.50
	36P	36 AF										45.25	45.25	17.50	25.75	54.50
57	44P	44 AF	125.50	59.50	85.50	4.50	60.50	26.75	4.00	20.88	4.25	49.75	49.75	19.88	21.25	54.50
	40P	40 AF										49.75	49.75	22.75	21.25	54.50
66	44P	44 AF	140.50	61.00	92.50	8.00	60.50	29.00	4.00	24.38	7.75	49.75	49.75	22.88	29.50	61.25
	40P	40 AF										49.75	49.75	25.75	29.50	61.25
80	49P	49 AF	140.50	63.00	107.50	8.00	60.50	29.00	4.00	39.38	7.75	55.50	55.50	31.75	23.75	61.25
	44P	44 AF										49.75	49.75	37.88	29.50	61.25
100	55P	55 AF	154.50	73.75	119.75	8.00	60.50	32.75	7.88	51.63	7.75	55.50	55.50	40.25	30.38	68.75
	49P	49 AF										55.50	55.50	44.00	33.75	65.38
120	63P	63 AF	182.00	82.25	119.75	8.00	60.50	32.75	7.88	51.63	7.75	62.00	62.00	32.00	41.63	78.50
	55P	55 AF										55.50	55.50	40.25	49.13	77.50

Note: 1 Base line includes standard 2.5-inch integral base frame.

Belt-Drive Plenum Fans - Rectangular Openings

Figure 53. Belt-drive plenum fans - rectangular openings for unit sizes 3-30



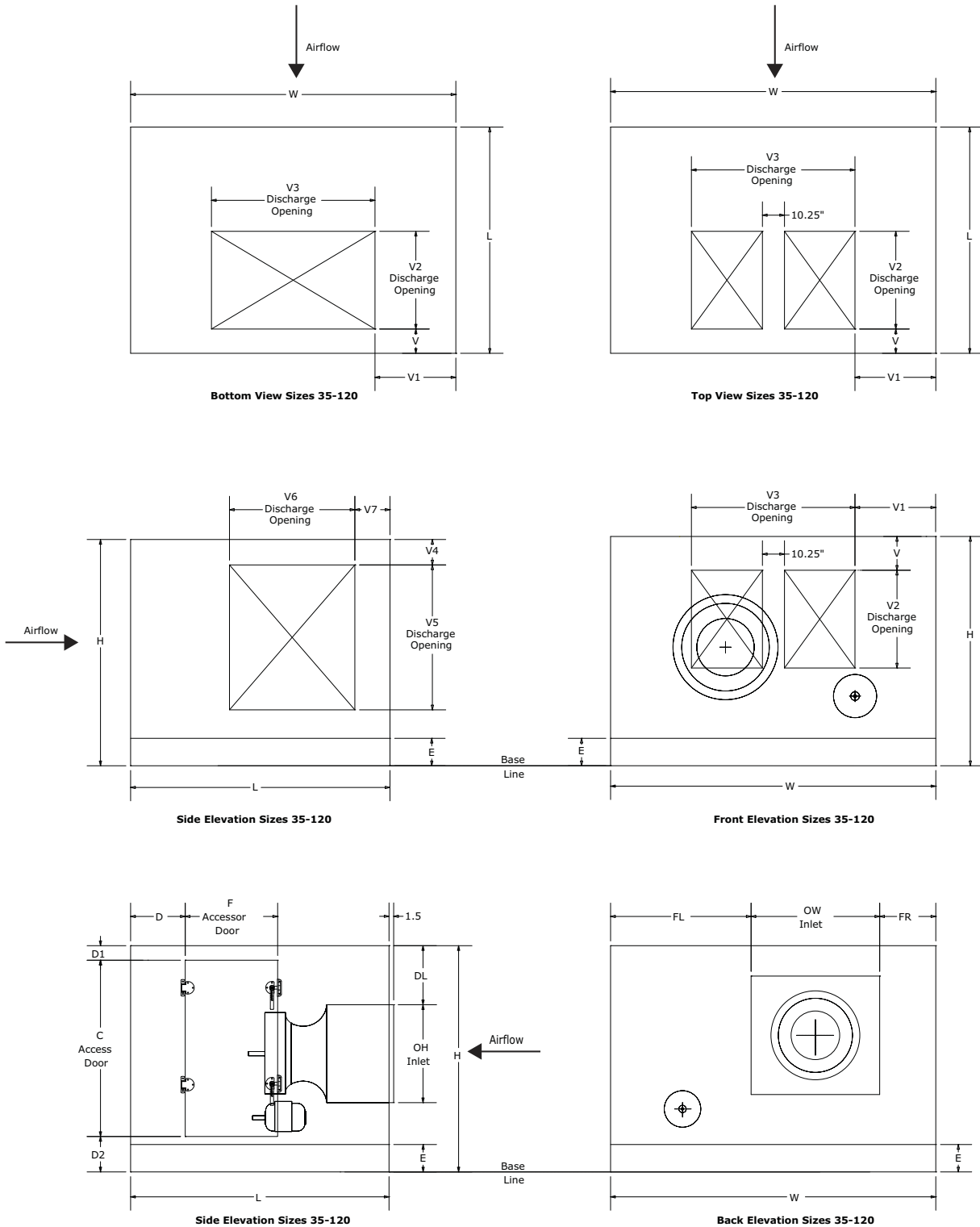


Dimensions

Table 85. Belt-drive plenum fans - rectangular opening dimensions (inches) for unit sizes 3-30

Unit Size	Fan Type	Fan Size	Rectangular Openings																	
			Standard Front/Top/Bottom Openings					Standard Side Openings			Front Full Face			Top Full Face			Side Full Face			
			V	V1	V2	V3	V4	V5	V6	V7	V1	V2	V3	V1	V2	V3	V4	V5	V6	V7
3	11P 10P	11 BC 10 BC	4.13	8.75	11.00	14.00	4.50	11.00	14.00	16.50	5.50	18.38	20.50	5.50	27.75	20.50	4.50	18.00	15.38	16.50
4	12P 11P	12 AF 11 BC	4.13	12.00	11.00	20.00	4.50	12.00	15.00	16.50	5.50	18.38	33.00	5.50	32.75	33.00	4.50	18.00	20.38	16.50
6	16P 14P	16 AF 14 AF	4.13	11.50	15.00	21.00	4.50	17.00	18.00	16.50	5.50	24.63	33.00	5.50	32.75	33.00	4.50	24.25	20.38	16.50
8	16P 14P	16 AF 14 AF	4.13	13.25	16.00	24.00	4.50	19.00	19.00	18.88	5.50	27.13	39.50	5.50	35.75	39.50	4.50	26.75	22.00	18.88
10	18P 16P	18 AF 16 AF	4.13	15.75	16.00	30.00	4.50	22.00	22.00	4.13	5.50	27.13	50.50	5.50	34.25	50.50	4.50	26.75	34.25	4.13
12	20P 18P	20 AF 18 AF	4.13	17.25	18.00	32.00	4.50	25.00	23.00	4.13	5.50	30.88	55.50	5.50	34.25	55.50	4.50	30.50	34.25	4.13
14	22P 20P	22 AF 20 AF	4.13	17.50	19.00	37.00	4.50	27.00	25.00	4.13	5.50	30.88	61.00	5.50	34.25	61.00	4.50	30.50	34.25	4.13
17	25P 22P	25 AF 22 AF	4.13	17.50	23.00	37.00	4.50	32.00	25.00	4.13	5.50	38.38	61.00	5.50	35.75	61.00	4.50	38.00	35.75	4.13
21	28P 25P	28 AF 25 AF	4.13	19.50	25.00	41.00	4.50	39.00	26.00	4.13	5.50	42.13	69.00	5.50	42.00	69.00	4.50	41.75	42.00	4.13
25	28P 25P	28 AF 25 AF	4.13	19.50	30.00	41.00	4.50	39.00	30.00	4.13	5.50	50.88	69.00	5.50	42.00	69.00	4.50	50.50	42.00	4.13
30	32P 28P	32 AF 28 AF	4.13	22.25	30.00	49.00	4.50	43.00	34.00	4.13	5.50	50.88	82.50	5.50	44.25	82.50	4.50	50.50	44.25	4.13

Figure 54. Belt-drive plenum fans - rectangular openings for unit sizes 35-120





Dimensions

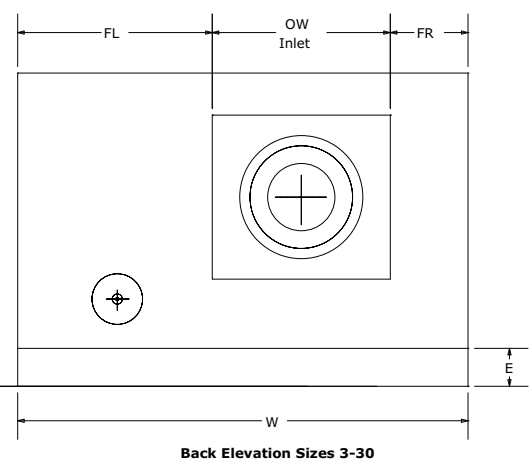
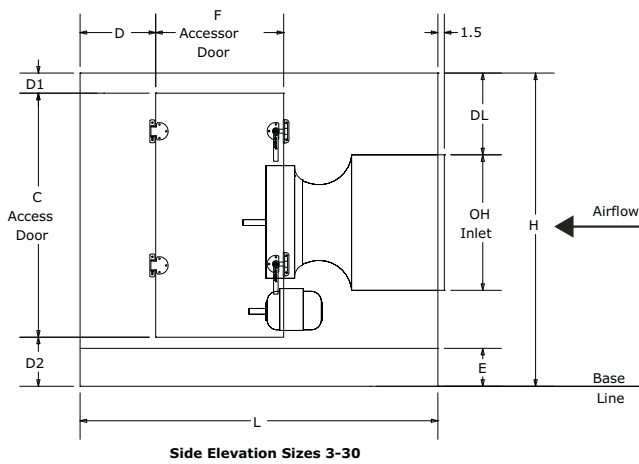
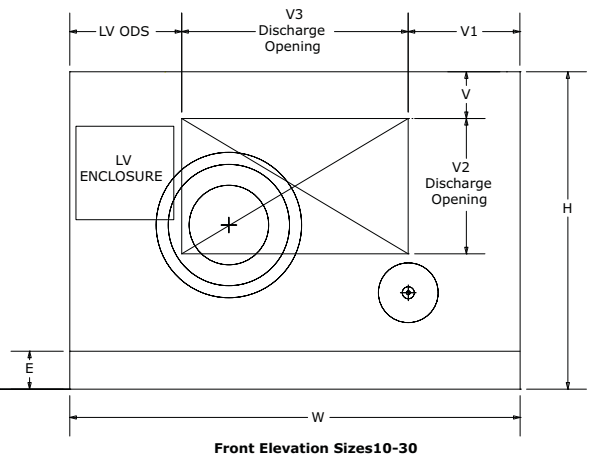
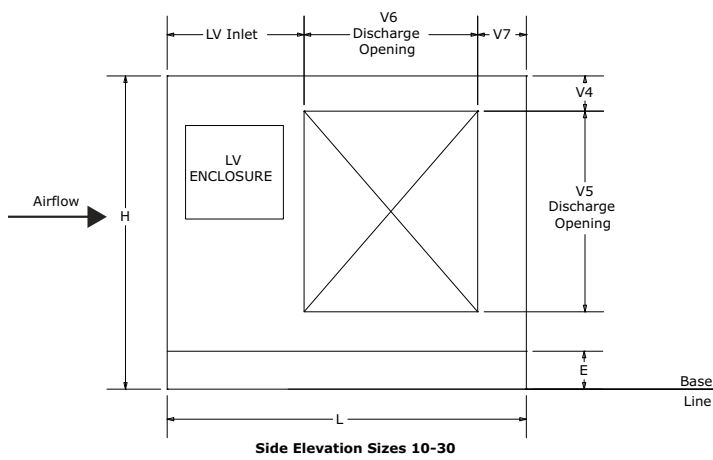
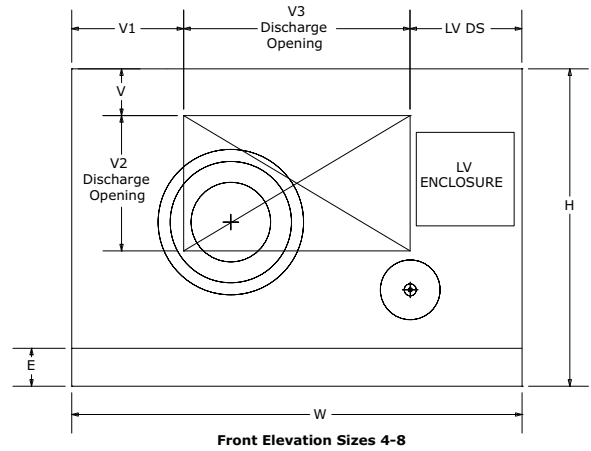
Table 86. Belt-drive plenum fans - rectangular opening dimensions (inches) for unit sizes 35-120

Unit Size	Fan Size	Fan Type	Rectangular Openings																
			Standard Front Openings					Standard Top Openings				Standard Bottom Openings				Standard Side Openings			
			V	V1	V2	V3	LV ODS	V	V1	V2	V3	V	V1	V2	V3	V4	V5	V6	V7
35	36P 32P	36 AF 32 AF	16.38	19.50	32.00	61.00	21.00	12.25	17.50	29.00	65.00	12.75	20.00	28.00	60.00	9.88	45.00	36.00	8.75
40	40P 36P	40 AF 36 AF	16.38	22.75	32.00	67.00	22.75	12.25	19.75	29.00	73.00	12.75	21.75	28.00	69.00	8.38	48.00	38.00	7.75
50	40P 36P	40 AF 36 AF	18.13	25.25	37.00	75.00	25.25	13.25	20.25	31.00	85.00	13.75	22.75	30.00	80.00	14.63	44.00	48.00	4.75
57	44P 40P	44 AF 40 AF	20.50	25.25	42.00	75.00	25.25	13.25	17.75	33.00	90.00	13.75	20.25	32.00	85.00	14.50	54.00	50.00	4.75
66	44P 40P	44 AF 40 AF	21.25	28.75	44.00	83.00	28.75	13.50	20.25	34.00	100.00	14.00	25.75	33.00	89.00	7.75	71.00	39.00	11.00
80	49P 44P	49 AF 44 AF	24.75	28.75	52.00	83.00	28.75	12.00	17.25	39.00	106.00	12.50	25.75	38.00	89.00	9.75	82.00	44.00	9.50
100	55P 49P	55 AF 49 AF	27.38	31.75	59.00	91.00	31.75	14.88	20.75	44.00	113.00	15.88	25.75	42.00	103.00	10.38	93.00	50.00	11.88
120	63P 55P	63 AF 55 AF	27.38	38.00	59.00	106.00	38.00	19.13	23.50	44.00	135.00	15.13	38.25	52.00	105.50	7.88	98.00	50.00	16.13

Table 87. Belt-drive plenum fans - rectangular full face opening dimensions (inches) for unit sizes 35-120

Unit Size	Fan Size	Fan Type	Rectangular Openings											
			Front Full Face				Top Full Face				Side Full Face			
			V	V1	V2	V3	V	V1	V2	V3	V4	V5	V6	V7
35	36P 32P	36 AF 32 AF	7.50	10.00	42.75	80.00	4.50	9.25	44.50	81.50	7.50	49.75	44.00	4.75
40	40P 36P	40 AF 36 AF	7.50	10.00	42.75	92.50	4.50	9.25	44.50	94.00	7.50	49.75	44.00	4.75
50	40P 36P	40 AF 36 AF	7.50	10.00	51.25	105.50	4.50	9.25	48.50	107.00	7.50	51.25	48.00	4.75
57	44P 40P	44 AF 40 AF	7.50	10.00	61.00	105.50	4.50	9.25	50.50	107.00	7.50	61.00	50.00	4.75
66	44P 40P	44 AF 40 AF	7.50	10.00	64.00	120.50	7.13	9.25	46.75	122.00	7.50	71.50	51.50	4.75
80	49P 44P	49 AF 44 AF	7.50	10.00	79.00	120.50	7.13	9.25	48.75	122.00	7.50	86.50	53.50	4.75
100	55P 49P	55 AF 49 AF	7.50	10.00	91.25	134.50	7.13	9.25	59.50	136.00	7.50	98.75	64.25	4.75
120	63P 55P	63 AF 55 AF	7.50	10.00	91.25	162.00	7.13	9.25	68.00	163.50	7.50	98.75	72.75	4.75

Table 88. Belt-drive plenum fans with low voltage controls - rectangular openings for unit sizes 3-30





Dimensions

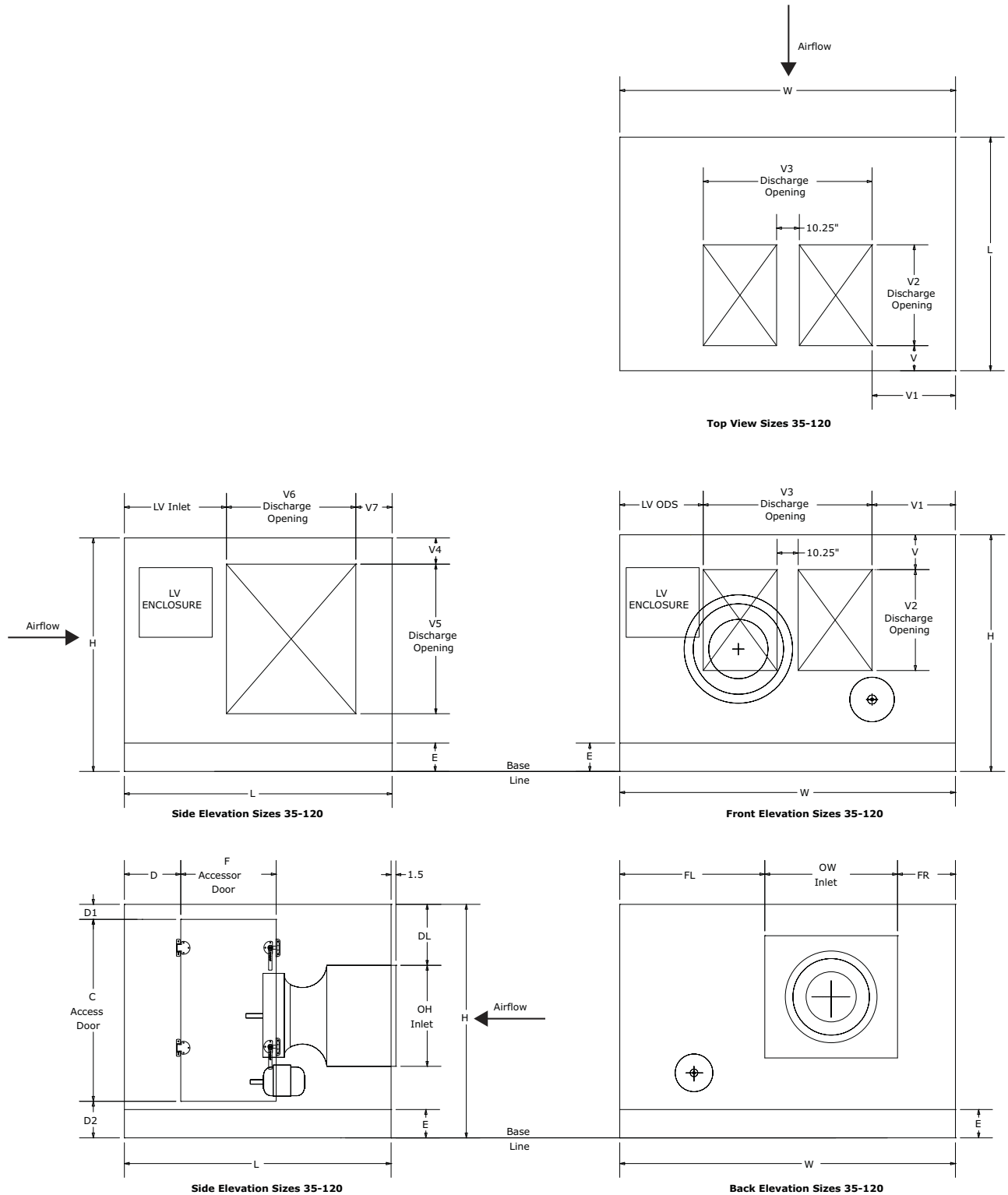
Table 89. Belt-drive plenum fans with low voltage controls - rectangular opening dimensions (inches) for unit sizes 3-30

Unit Size	Fan type	Fan size	Standard Front Openings					Standard Side Openings			
			V	V1	V2	V3	LV DS (4-8) LV ODS (10-30)	V4	V5	V6	V7
3	11P	11 BC	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	10P	10 BC	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4	12P	12 AF	4.13	6.00	12.00	18.00	20.00	n/a	n/a	n/a	n/a
	11P	11 BC	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
6	16P	16 AF	4.13	6.00	17.00	18.00	20.00	n/a	n/a	n/a	n/a
	14P	14 AF	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8	16P	16 AF	4.13	6.50	16.00	24.00	20.00	n/a	n/a	n/a	n/a
	14P	14 AF	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
10	18P	18 AF	4.13	20.75	24.00	20.00	20.75	4.50	24.50	19.75	4.13
	16P	16 AF	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
12	20P	20 AF	4.13	21.25	24.00	24.00	21.25	4.50	29.13	19.75	4.13
	18P	18 AF	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
14	22P	22 AF	4.13	22.50	26.00	27.00	22.50	4.50	30.50	19.75	4.13
	20P	20 AF	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
17	25P	25 AF	4.13	23.50	34.00	25.00	23.50	4.50	37.75	21.25	4.13
	22P	22 AF	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
21	28P	28 AF	4.13	23.50	31.00	33.00	23.50	4.50	39.00	26.00	4.13
	25P	25 AF	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
25	28P	28 AF	4.13	25.00	41.00	30.00	25.00	4.50	46.00	26.00	4.13
	25P	25 AF	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
30	32P	32 AF	4.13	22.25	30.00	49.00	22.25	4.50	49.00	30.00	4.00
	28P	28 AF	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Table 90. Belt-drive plenum fans with low voltage controls - rectangular opening dimensions (inches) for unit sizes 3-30

Unit size	Fan type	Fan size	Front Full Face				Side Full Face				
			V1	V2	V3	LV DS (4-8) LV ODS (10-30)	V4	V5	V6	V7	LV Inlet
3	11P	11 BC	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	10P	10 BC	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4	12P	12 AF	5.50	18.38	18.50	20.00	n/a	n/a	n/a	n/a	n/a
	11P	11 BC	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
6	16P	16 AF	5.50	24.63	18.50	20.00	n/a	n/a	n/a	n/a	n/a
	14P	14 AF	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8	16P	16 AF	5.50	27.13	25.00	20.00	n/a	n/a	n/a	n/a	n/a
	14P	14 AF	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
10	18P	18 AF	5.50	27.13	36.00	20.00	4.50	26.75	19.88	4.13	18.50
	16P	16 AF	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
12	20P	20 AF	5.50	30.88	41.00	20.00	4.50	30.50	19.88	4.13	18.50
	18P	18 AF	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
14	22P	22 AF	5.50	30.88	46.50	20.00	4.50	30.50	19.88	4.13	18.50
	20P	20 AF	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
17	25P	25 AF	5.50	38.38	46.50	20.00	4.50	38.00	21.38	4.13	18.50
	22P	22 AF	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
21	28P	28 AF	5.50	42.13	54.50	20.00	4.50	41.75	27.63	4.13	18.50
	25P	25 AF	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
25	28P	28 AF	5.50	50.88	54.50	20.00	4.50	50.50	27.63	4.13	18.50
	25P	25 AF	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
30	32P	32 AF	5.50	50.88	68.00	20.00	4.50	50.50	30.00	4.00	18.50
	28P	28 AF	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Figure 55. Belt-drive plenum fans with low-voltage controls - rectangular openings for unit sizes 35-120





Dimensions

Table 91. Belt-drive plenum fan with low-voltage controls - rectangular opening dimensions (inches) for unit sizes 35-120

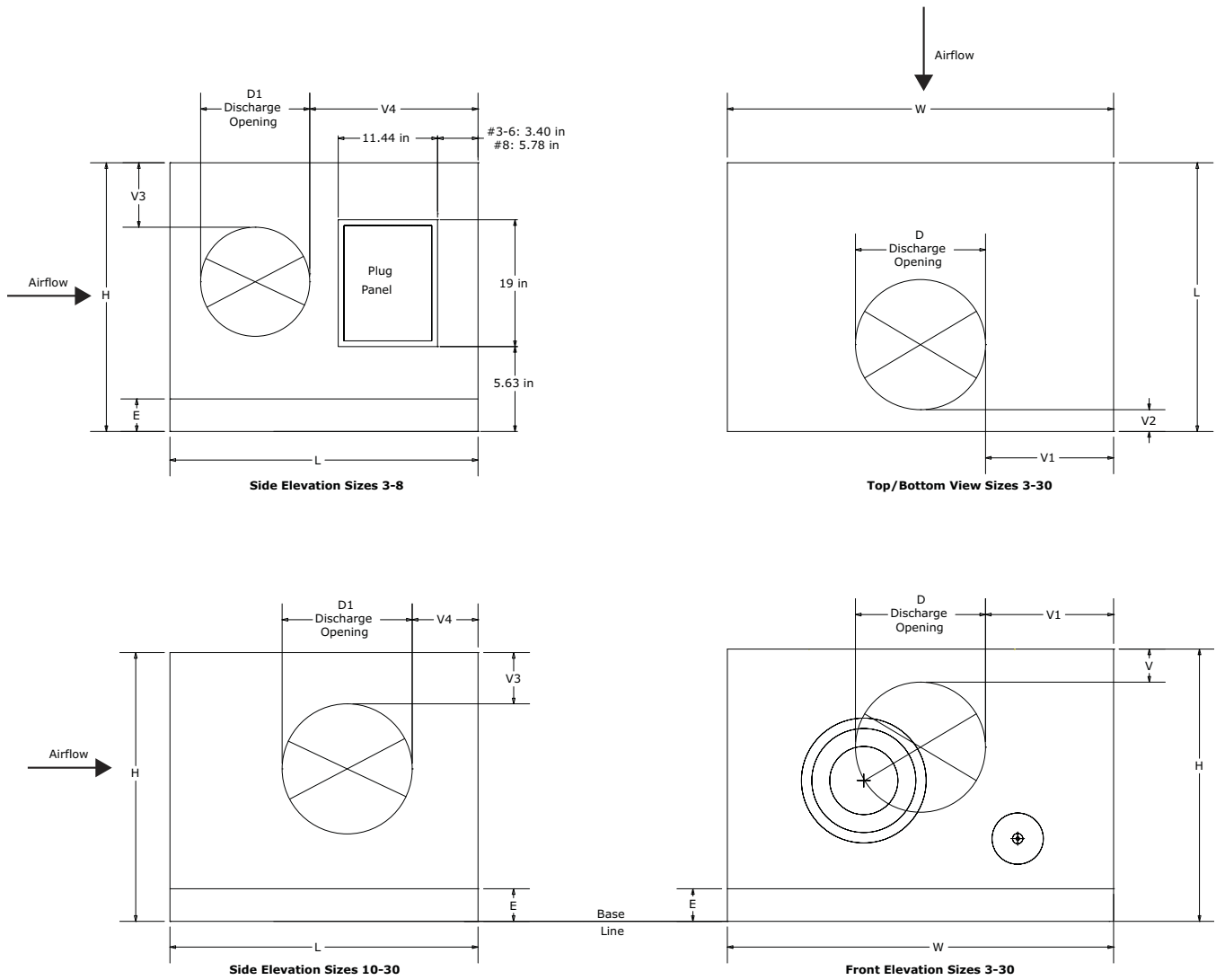
Unit Size	Fan Size	Fan Type	Standard Front Openings					Rectangular Openings				Standard Side Openings				
			V	V1	V2	V3	LV ODS	V	V1	V2	V3	V4	V5	V6	V7	LV Inlet
35	36P	36 AF	16.38	18.00	32.00	61.00	21.00	12.25	17.50	29.00	65.00	7.50	49.75	27.75	4.75	21.00
	32P	32 AF														
40	40P	40 AF	16.38	22.75	32.00	67.00	22.75	12.25	19.75	29.00	73.00	7.50	49.75	27.75	4.75	21.00
	36P	36 AF														
50	40P	40 AF	18.13	25.25	37.00	75.00	25.25	13.25	20.25	31.00	85.00	7.50	51.25	31.75	4.75	21.00
	36P	36 AF														
57	44P	44 AF	20.50	25.25	42.00	75.00	25.25	13.25	17.75	33.00	90.00	7.50	61.00	33.75	4.75	21.00
	40P	40 AF														
66	44P	44 AF	21.25	28.75	44.00	83.00	28.75	13.50	20.25	34.00	100.00	7.50	71.50	35.25	4.75	21.00
	40P	40 AF														
80	49P	49 AF	24.75	28.75	52.00	83.00	28.75	12.00	17.25	39.00	106.00	7.50	86.50	37.25	4.75	21.00
	44P	44 AF														
100	55P	55 AF	27.38	31.75	59.00	91.00	31.75	14.88	20.75	44.00	113.00	10.38	93.00	48.00	4.75	21.00
	49P	49 AF														
120	63P	63 AF	27.38	38.00	59.00	106.00	38.00	19.13	23.50	44.00	135.00	7.88	98.00	50.00	11.25	21.00
	55P	55 AF														

Table 92. Belt-drive plenum fan with low-voltage controls - rectangular full face opening dimensions (inches) for unit sizes 35-120

Unit Size	Fan Size	Fan Type	Front Full Face					Rectangular Openings				Side Full Face				
			V	V1	V2	V3	LV ODS	V	V1	V2	V3	V4	V5	V6	V7	LV Inlet
35	36P	36 AF	7.50	10.00	42.75	69.00	21.00	4.50	9.25	38.38	81.50	7.50	49.75	27.75	4.75	21.00
	32P	32 AF														
40	40P	40 AF	7.50	10.00	42.75	81.50	21.00	4.50	9.25	38.38	94.00	7.50	49.75	27.75	4.75	21.00
	36P	36 AF														
50	40P	40 AF	7.50	10.00	51.25	94.50	21.00	4.50	9.25	42.38	107.00	7.50	51.25	31.75	4.75	21.00
	36P	36 AF														
57	44P	44 AF	7.50	10.00	61.00	94.50	21.00	4.50	9.25	44.38	107.00	7.50	61.00	33.75	4.75	21.00
	40P	40 AF														
66	44P	44 AF	7.50	10.00	64.00	109.00	21.50	7.13	9.25	43.25	122.00	7.50	71.50	35.25	4.75	21.00
	40P	40 AF														
80	49P	49 AF	7.50	10.00	79.00	109.00	21.50	7.13	9.25	45.25	122.00	7.50	86.50	37.25	4.75	21.00
	44P	44 AF														
100	55P	55 AF	7.50	10.00	91.25	123.00	21.50	7.13	9.25	56.00	136.00	7.50	98.75	48.00	4.75	21.00
	49P	49 AF														
120	63P	63 AF	7.50	10.00	91.25	150.50	21.50	7.13	9.25	64.50	163.50	7.50	98.75	56.50	4.75	21.00
	55P	55 AF														

Belt Drive Plenum Fans - Round and Bellmouth Openings

Figure 56. Belt-drive plenum fans - round and bellmouth openings for unit sizes 3-30



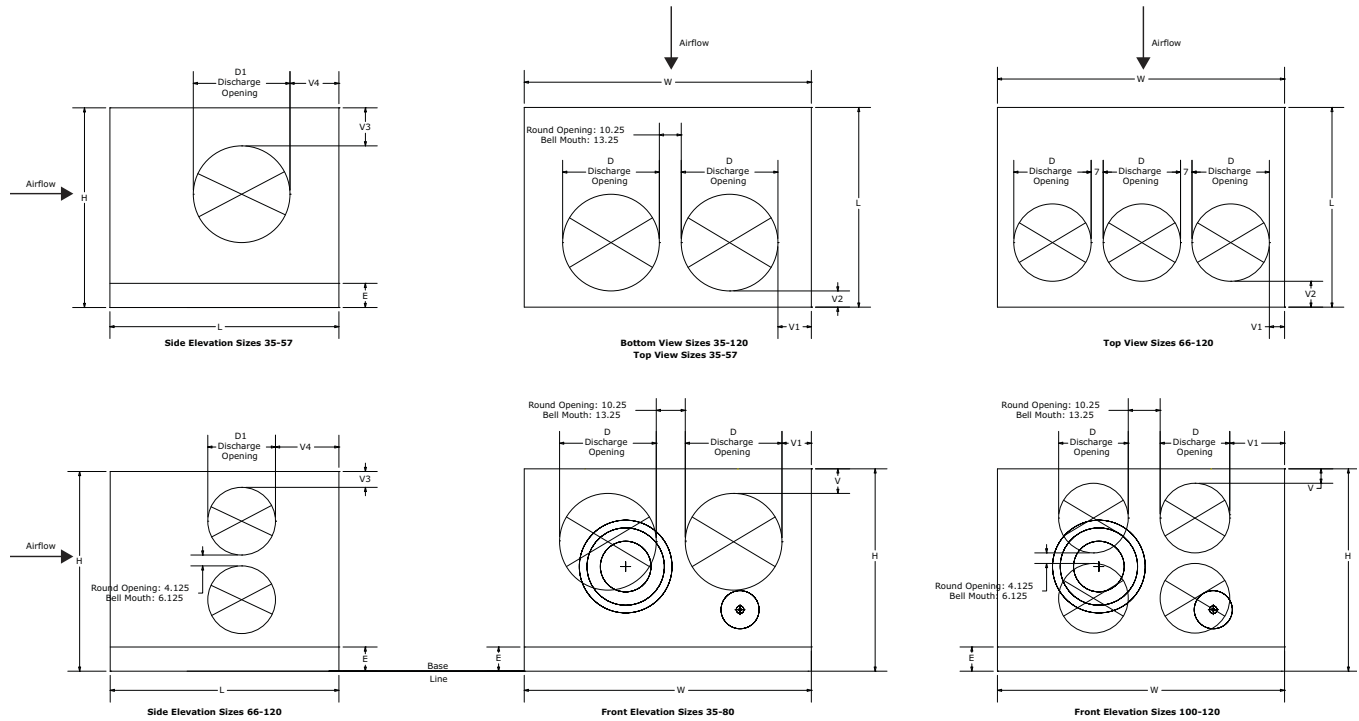


Dimensions

Table 93. Belt-drive plenum fans - round and bellmouth opening dimensions (inches) for unit sizes 3-30

Unit Size	Fan Type	Fan Size	Round Openings							Bellmouth						
			Standard Front/Top/Bottom				Standard Side			Standard Front/Top/Bottom				Standard Side		
			D	V	V1	V2	D1	V3	V4	D	V	V1	V2	D1	V3	V4
3	11P 10P	11 BC 10 BC	13.00	4.13	9.25	4.13	13.00	4.50	16.50	13.00	5.13	9.25	6.75	13.00	5.63	17.50
4	12P 11P	12 AF 11 BC	16.00	4.13	14.00	4.13	16.00	4.50	16.50	16.00	5.13	14.00	6.75	16.00	5.63	17.50
6	16P 14P	16 AF 14 AF	20.00	4.13	12.00	4.13	20.00	4.50	16.50	20.00	5.13	12.00	6.75	16.00	5.63	17.50
8	16P 14P	16 AF 14 AF	22.00	4.13	14.25	4.13	22.00	4.50	18.88	24.00	5.13	13.25	6.75	20.00	5.63	19.88
10	18P 16P	18 AF 16 AF	24.00	4.13	18.75	4.13	24.00	4.50	4.13	24.00	5.13	18.75	6.75	24.00	5.63	5.13
12	20P 18P	20 AF 18 AF	28.00	4.13	19.25	4.13	28.00	4.50	4.13	28.00	5.13	19.25	6.75	28.00	5.63	5.13
14	22P 20P	22 AF 20 AF	30.00	4.13	21.00	4.13	30.00	4.50	4.13	28.00	5.13	22.00	6.75	28.00	5.63	5.13
17	25P 22P	25 AF 22 AF	32.00	4.13	20.00	4.13	32.00	4.50	4.13	28.00	5.13	22.00	6.75	28.00	5.63	5.13
21	28P 25P	28 AF 25 AF	34.00	4.13	23.00	4.13	34.00	4.50	4.13	36.00	5.13	22.00	6.75	36.00	5.63	5.13
25	28P 25P	28 AF 25 AF	38.00	4.13	21.00	4.13	38.00	4.50	4.13	36.00	5.13	22.00	6.75	36.00	5.63	5.13
30	32P 28P	32 AF 28 AF	42.00	4.13	25.75	4.13	42.00	4.50	4.13	36.00	5.13	28.75	6.75	42.00	5.63	5.13

Figure 57. Belt-drive plenum fans - round and bellmouth openings for unit sizes 35-120





Dimensions

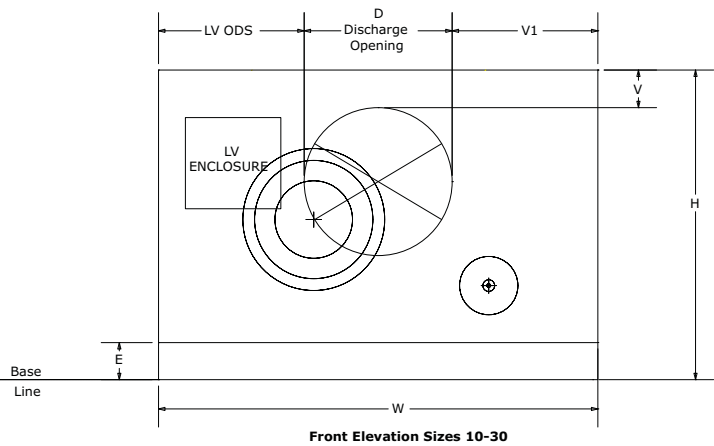
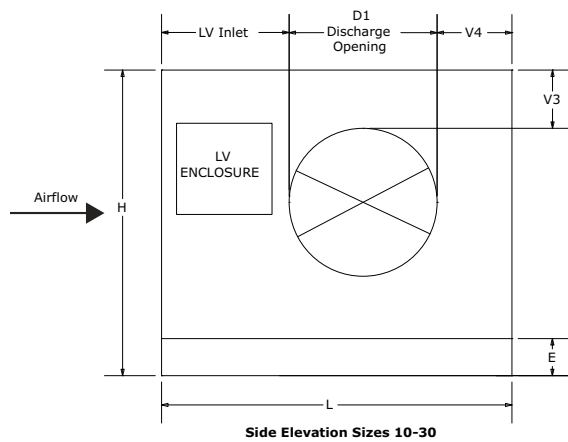
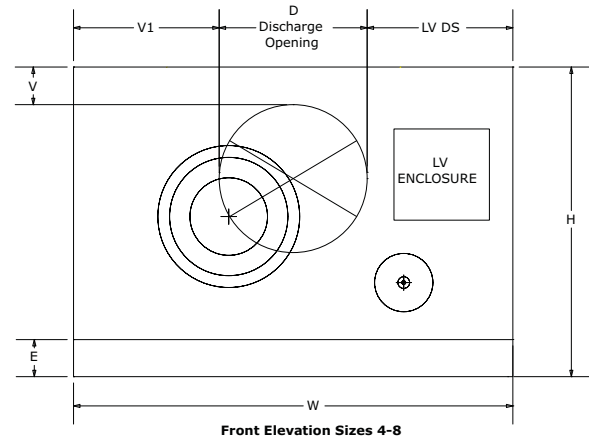
Table 94. Belt-drive plenum fans - round opening dimensions (inches) for unit sizes 35-120

Unit Size	Fan Size	Fan Type	Round Openings															
			Standard Front opening				Standard Top opening				Standard Bottom opening				Standard Side opening			
			D	Qty	V	V1	D	Qty	V1	V2	D	Qty	V1	V2	D1	Qty	V3	V4
35	36P 32P	36 AF 32 AF	32.00	2	16.38	12.88	32.00	2	12.88	10.75	32.00	2	12.88	10.75	44.00	1	10.38	4.75
40	40P 36P	40 AF 36 AF	34.00	2	15.38	17.13	34.00	2	17.13	9.75	34.00	2	17.13	9.75	44.00	1	10.38	4.75
50	40P 36P	40 AF 36 AF	38.00	2	17.63	19.63	36.50	2	21.13	10.50	36.50	2	21.13	10.50	48.00	1	10.38	4.75
57	44P 40P	44 AF 40 AF	41.00	2	21.00	16.63	42.00	2	15.63	8.75	42.00	2	15.63	8.75	48.00	1	17.50	5.75
66	44P 40P	44 AF 40 AF	44.00	2	21.25	21.13	34.00	2	12.25	13.50	45.00	2	20.13	8.00	33.75	2	7.50	13.63
80	49P 44P	49 AF 44 AF	48.00	2	26.75	17.13	36.00	2	9.25	13.50	45.00	2	20.13	9.00	41.25	2	7.50	10.88
100	55P 49P	55 AF 49 AF	38.00	4	16.88	34.13	40.50	2	9.50	16.63	48.00	2	24.13	12.88	47.25	2	7.63	13.25
120	63P 55P	63 AF 55 AF	42.00	4	10.63	43.88	45.00	2	16.50	18.63	48.00	2	37.88	17.13	47.25	2	7.63	17.50

Table 95. Belt-drive plenum fans - bellmouth opening dimensions (inches) for unit sizes 35-120

Unit Size	Fan Size	Fan Type	Bellmouth															
			Standard Front				Standard Top				Standard Bottom				Standard Side			
			D	Qty	V	V1	D	Qty	V1	V2	D	Qty	V1	V2	D1	Qty	V3	V4
35	36P 32P	36 AF 32 AF	32.00	2	16.38	11.38	32.00	2	11.38	10.75	32.00	2	11.38	10.75	42.00	1	11.38	5.75
40	40P 36P	40 AF 36 AF	32.00	2	16.38	17.63	32.00	2	17.63	10.75	32.00	2	17.63	10.75	42.00	1	11.38	5.75
50	40P 36P	40 AF 36 AF	36.00	2	18.63	20.13	36.00	2	20.13	10.75	36.00	2	20.13	10.75	46.00	1	11.38	5.75
57	44P 40P	44 AF 40 AF	36.00	2	23.50	20.13	42.00	2	14.13	8.75	42.00	2	14.13	8.75	46.00	1	18.50	6.75
66	44P 40P	44 AF 40 AF	42.00	2	22.25	21.63	32.00	2	15.25	14.50	42.00	2	21.63	9.50	32.00	2	8.25	14.50
80	49P 44P	49 AF 44 AF	46.00	2	27.75	17.63	32.00	2	9.25	13.50	42.00	2	21.63	10.50	36.00	2	11.75	13.50
100	55P 49P	55 AF 49 AF	36.00	4	17.88	34.63	36.00	2	16.25	18.88	46.00	2	24.63	13.88	42.00	2	11.88	15.88
120	63P 55P	63 AF 55 AF	36.00	4	17.88	48.38	42.00	2	21.00	20.13	46.00	2	38.38	18.13	42.00	2	11.88	20.13

Table 96. Belt-drive plenum fans with low voltage controls - round and bellmouth openings for unit sizes 3-30



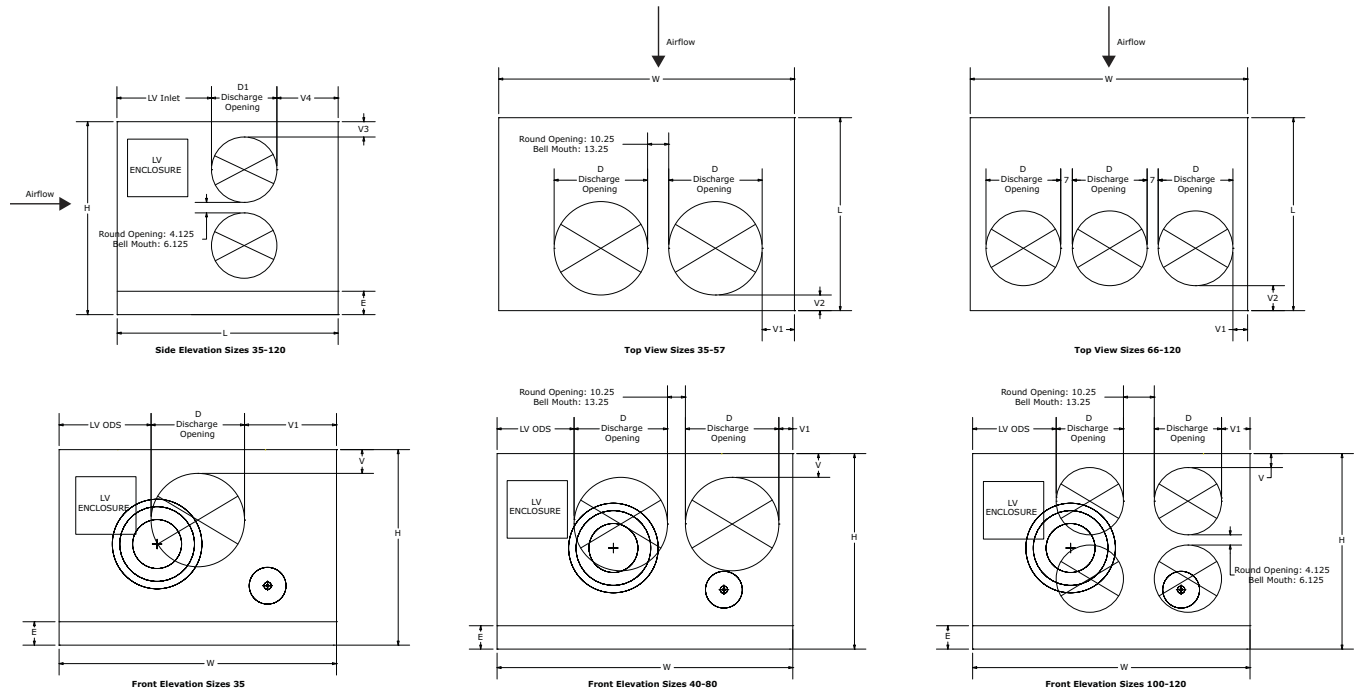


Dimensions

Table 97. Belt-drive plenum fans with low voltage controls - round and bellmouth opening dimensions (inches) for unit sizes 3-30

Unit size	Fan type	Fan size	Round Openings								Bellmouth								
			Standard Front Openings				Standard Side Openings				Standard Front Openings				Standard Side Openings				
			D	V	V1	LV DS (4-8) LV ODS (10-30)	D1	V3	V4	LV Inlet	D	V	V1	LV DS (4-8) LV ODS (10-30)	D1	V3	V4	LV Inlet	
3	11P 10P	11 BC 10 BC	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4	12P 11P	12 AF 11 BC	16.00	4.13	8.00	20.00	n/a	n/a	n/a	n/a	16.00	5.13	7.00	21.00	n/a	n/a	n/a	n/a	n/a
6	16P 14P	16 AF 14 AF	16.00	4.13	8.00	20.00	n/a	n/a	n/a	n/a	16.00	5.13	7.00	21.00	n/a	n/a	n/a	n/a	n/a
8	16P 14P	16 AF 14 AF	22.00	4.13	8.50	20.00	n/a	n/a	n/a	n/a	20.00	5.13	9.50	21.00	n/a	n/a	n/a	n/a	n/a
10	18P 16P	18 AF 16 AF	20.00	4.13	20.75	20.75	20.00	4.50	4.00	18.50	20.00	5.13	20.50	21.00	16.00	5.63	5.13	21.38	21.38
12	20P 18P	20 AF 18 AF	24.00	4.13	21.25	21.25	20.00	4.50	4.00	18.50	24.00	5.13	21.25	21.25	16.00	5.63	5.13	21.38	21.38
14	22P 20P	22 AF 20 AF	30.00	4.13	21.00	21.00	20.00	4.50	4.00	18.50	28.00	5.13	22.00	22.00	16.00	5.63	5.13	21.38	21.38
17	25P 22P	25 AF 22 AF	32.00	4.13	20.00	20.00	20.00	4.50	4.00	20.00	28.00	5.13	22.00	22.00	20.00	5.63	4.50	19.50	19.50
21	28P 25P	28 AF 25 AF	34.00	4.13	23.00	23.00	26.00	4.50	4.13	20.13	36.00	5.13	22.00	22.00	24.00	5.63	5.13	21.13	21.13
25	28P 25P	28 AF 25 AF	38.00	4.13	21.00	21.00	26.00	4.50	4.13	20.13	36.00	5.13	22.00	22.00	24.00	5.63	5.13	21.13	21.13
30	32P 28P	32 AF 28 AF	42.00	4.13	25.75	25.75	30.00	4.50	4.00	18.50	42.00	5.13	25.75	25.75	28.00	5.63	5.00	19.50	19.50

Figure 58. Belt-drive plenum fans with low-voltage controls - round and bellmouth openings for unit sizes 35-120





Dimensions

Table 98. Belt-drive plenum fans with low-voltage controls - round opening dimensions (inches) for unit sizes 35-120

Unit Size	Fan Size	Fan Type	Round Openings													
			Standard Front opening				Standard Top opening				Standard Side opening					
			D	Qty	V	V1	LV ODS	D	Qty	V1	V2	D1	Qty	V3	V4	LV Inlet
35	36P	36 AF	42.00	1	8.25	29.00	29.00	32.00	2	12.88	10.75	22.50	2	7.88	10.00	21.00
	32P	32 AF														
40	40P	40 AF	34.00	2	15.38	13.25	21.00	34.00	2	17.13	8.88	22.50	2	7.88	10.00	21.00
	36P	36 AF														
50	40P	40 AF	38.00	2	17.63	18.25	21.00	36.50	2	21.13	10.38	23.50	2	7.50	13.00	21.00
	36P	36 AF														
57	44P	44 AF	41.00	2	21.00	12.25	21.00	42.00	2	15.63	6.88	28.50	2	7.50	10.00	21.00
	40P	40 AF														
66	44P	44 AF	44.00	2	21.25	20.75	21.50	34.00	3	12.25	13.50	33.75	2	7.50	6.25	21.00
	40P	40 AF														
80	49P	49 AF	48.00	2	26.75	12.75	21.50	36.00	3	9.25	13.50	37.25	2	11.50	4.75	21.00
	44P	44 AF														
100	55P	55 AF	38.00	4	16.88	34.13	34.13	40.50	3	9.50	16.63	47.25	2	7.63	5.50	21.00
	49P	49 AF														
120	63P	63 AF	42.00	4	10.63	43.88	43.88	45.00	3	16.50	18.63	47.25	2	7.63	14.00	21.00
	55P	55 AF														

Table 99. Belt-drive plenum fans with low-voltage controls - bellmouth opening dimensions (inches) for unit sizes 35-120

Unit Size	Fan Size	Fan Type	Bellmouth													
			Standard Front				Standard Top				Standard Side					
			D	Qty	V	V1	LV ODS	D	Qty	V1	V2	D1	Qty	V3	V4	LV Inlet
35	36P	36 AF	36.00	1	12.75	32.00	32.00	32.00	2	11.38	9.88	20.00	2	9.38	10.38	23.13
	32P	32 AF														
40	40P	40 AF	32.00	2	16.38	13.25	22.00	32.00	2	17.63	9.88	20.00	2	9.38	10.38	23.13
	36P	36 AF														
50	40P	40 AF	36.00	2	18.63	18.25	22.00	36.00	2	20.13	9.88	20.00	2	11.63	14.38	23.13
	36P	36 AF														
57	44P	44 AF	36.00	2	23.50	18.25	22.00	42.00	2	14.13	5.88	24.00	2	13.38	12.38	23.13
	40P	40 AF														
66	44P	44 AF	42.00	2	22.25	19.63	23.63	32.00	3	15.25	14.50	32.00	2	8.25	5.88	23.13
	40P	40 AF														
80	49P	49 AF	46.00	2	27.75	11.63	23.63	36.00	3	9.25	13.50	32.00	2	15.75	7.88	23.13
	44P	44 AF														
100	55P	55 AF	36.00	4	17.88	34.63	34.63	36.00	3	16.25	18.88	42.00	2	11.88	8.63	23.13
	49P	49 AF														
120	63P	63 AF	36.00	4	17.88	48.38	48.38	42.00	3	21.00	20.13	42.00	2	11.88	17.13	23.13
	55P	55 AF														

Direct-Drive Plenum Fans

Table 100. Direct-drive plenum fans - door and inlet dimensions (inches) for unit sizes 3-57

Unit size	Fan type	Fan size	Fan qty	W	L	H	E	Door Dimensions					Inlet Dimension				
								C	F	D	D1	D2	OH	OW	DL	FR	FL
3	10NW 10NF	105 AF	1	31.50	36.00	29.00	4.50	22.25	13.75	3.13	2.63	4.25	15.00	15.00	6.75	8.25	8.25
4	12NF 12NR	122 AF	1	44.00	41.00	29.00	4.50	22.25	18.75	3.13	2.63	4.25	17.25	17.25	4.63	13.38	13.38
4	13NF 13NR	135 AF	1	44.00	41.00	29.00	4.50	22.25	18.75	3.13	2.63	4.25	17.75	18.50	3.88	12.88	12.88
6	13NF 12NR	135 AF	1	44.00	41.00	35.25	4.50	28.50	16.75	3.13	2.63	4.25	17.75	18.50	9.25	12.88	12.88
6	15NF 15NR	150 AF	1	44.00	41.00	35.25	4.50	28.50	16.75	3.13	2.63	4.25	19.75	21.00	7.50	11.50	11.50
8	16NF 16NR	165 AF	1	50.50	44.00	37.75	4.50	31.00	18.75	3.13	2.63	4.25	21.50	22.75	8.25	14.00	14.00
8	18NF 18NR	182 AF	1	50.50	44.00	37.75	4.50	31.00	18.75	3.13	2.63	4.25	23.50	24.75	6.13	12.88	12.88
10	18NF 18NR	182 AF	1	61.50	46.75	37.75	4.50	31.00	17.25	3.13	2.63	4.25	23.50	24.75	6.00	18.38	18.38
10	20NF 20NR	200 AF	1	61.50	46.75	37.75	4.50	31.00	17.25	3.13	2.63	4.25	26.25	27.13	3.38	17.25	17.25
12	20NF 20NR	200 AF	1	66.50	48.50	41.50	4.50	34.75	17.25	7.88	2.63	4.25	26.25	27.25	6.13	19.75	19.75
12	22NF 22NR	222 AF	1	66.50	48.50	41.50	4.50	34.75	17.25	7.88	2.63	4.25	28.75	30.25	3.75	18.13	18.13
14	20NW 20NF	200 AF	1	72.00	48.50	41.50	4.50	34.75	17.25	7.88	2.63	4.25	26.25	27.25	6.13	22.50	22.50
14	22NW 22NF	222 AF	1	72.00	48.50	41.50	4.50	34.75	17.25	7.88	2.63	4.25	28.75	30.25	3.75	20.88	20.88
17	22NF 22NR	222 AF	1	72.00	50.00	49.00	4.50	42.25	17.75	7.88	2.63	4.25	28.75	30.25	11.13	20.88	20.88
17	24NF 24NR	245 AF	1	72.00	50.00	49.00	4.50	42.25	17.75	7.88	2.63	4.25	31.75	33.00	8.25	19.50	19.50
21	20NF 20NR	200 AF	2	80.00	50.25	52.75	4.50	46.00	17.75	3.13	2.63	4.25	26.25	59.25	17.50	10.50	10.50
25	22NF 22NR	222 AF	2	80.00	50.25	61.50	4.50	54.75	18.75	3.13	2.63	4.25	28.75	65.50	23.75	7.25	7.25
30	24NF 24NR	245 AF	2	93.50	52.50	61.50	4.50	54.75	18.75	3.13	2.63	4.25	31.75	71.00	20.75	11.25	11.25
35	24NW 24NF	245 AF	2	100.00	55.50	67.25	4.50	60.50	22.00	3.13	2.63	4.25	31.75	33.00	22.63	11.88	11.88
40	27NF 27NR	270 AF	2	112.50	60.00	67.25	4.50	60.50	22.00	7.88	2.63	4.25	34.25	36.63	20.13	14.63	14.63
50	30NF 30NR	300 AF	2	125.50	65.00	75.75	4.50	69.00	26.75	7.88	2.63	4.25	37.75	40.50	25.13	17.25	17.25
57	30NF 30NR	300 AF	2	125.50	65.00	85.50	4.50	60.50	26.75	7.88	20.88	4.25	37.75	40.50	34.88	17.25	17.25

Direct-Drive Plenum Fans - Rectangular Openings

Figure 59. Direct-drive plenum fans - rectangular openings for unit sizes 3-31

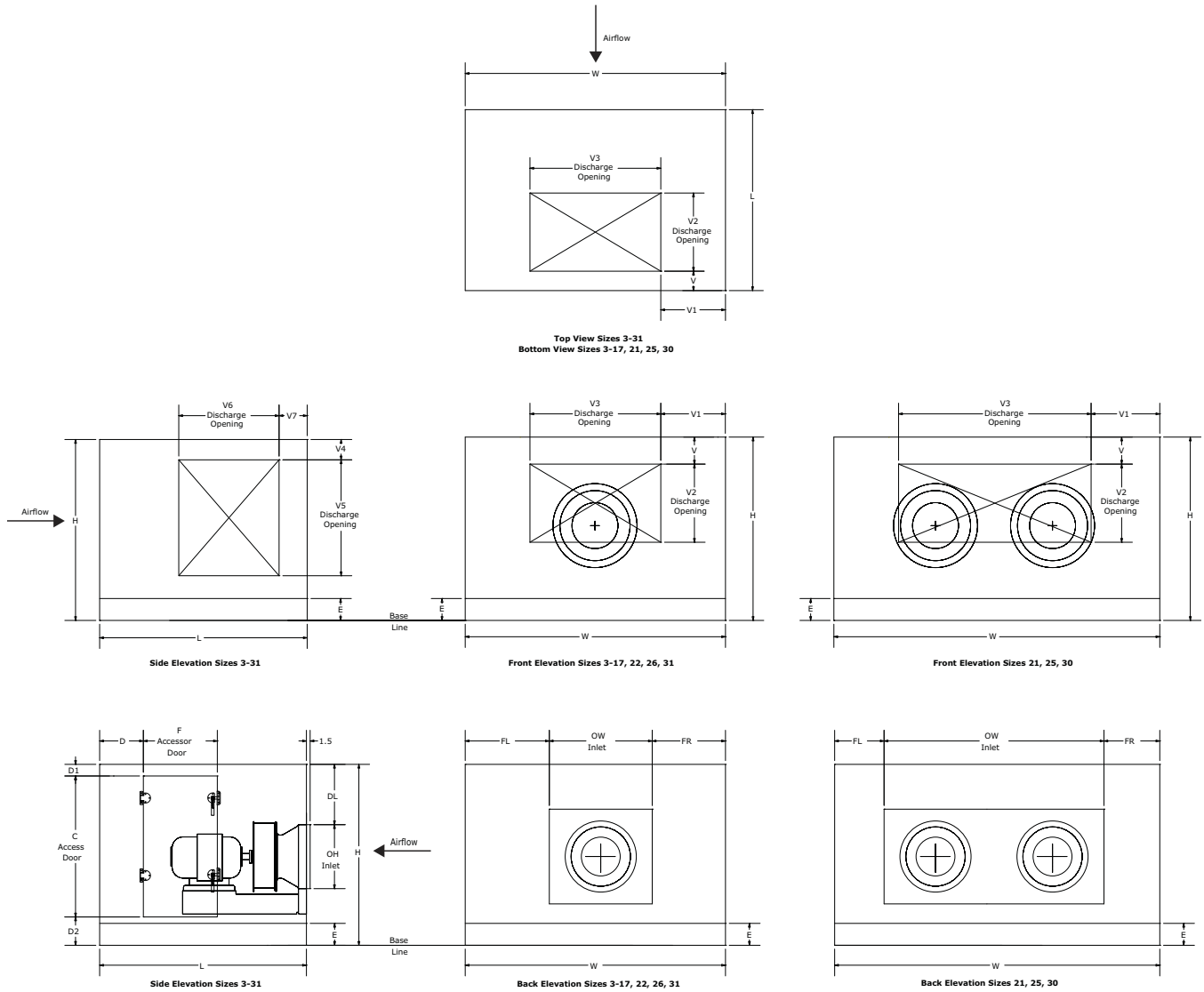


Table 101. Direct-drive plenum fans - rectangular opening dimensions (inches) for unit sizes 3-31

Unit Size	Fan Type	Fan Size	Fan Qty	Rectangular Openings															
				Standard Front Openings				Standard Top Openings				Standard Bottom Openings				Standard Side Openings			
				V	V1	V2	V3	V	V1	V2	V3	V	V1	V2	V3	V4	V5	V6	V7
3	10NW 10NF	105 AF	1	4.13	8.75	11.00	14.00	4.13	8.75	11.00	14.00	4.13	8.75	11.00	14.00	4.50	11.00	14.00	4.13
4	12NF 12NR	122 AF	1	4.13	12.00	11.00	20.00	4.13	12.00	11.00	20.00	4.13	12.00	11.00	20.00	4.50	12.00	15.00	4.13
4	13NF 13NR	135 AF	1	4.13	12.00	11.00	20.00	4.13	12.00	11.00	20.00	4.13	12.00	11.00	20.00	4.50	12.00	15.00	4.13
6	13NF 12NR	135 AF	1	4.13	11.50	15.00	21.00	4.13	11.50	15.00	21.00	4.13	11.50	15.00	21.00	4.50	17.00	18.00	4.13
6	15NF 15NR	150 AF	1	4.13	11.50	15.00	21.00	4.13	11.50	15.00	21.00	4.13	11.50	15.00	21.00	4.50	17.00	18.00	4.13
8	16NF 16NR	165 AF	1	4.13	13.25	16.00	24.00	4.13	13.25	16.00	24.00	4.13	13.25	16.00	24.00	4.50	19.00	19.00	4.13
8	18NF 18NR	182 AF	1	4.13	13.25	16.00	24.00	4.13	13.25	16.00	24.00	4.13	13.25	16.00	24.00	4.50	19.00	19.00	4.13
10	18NF 18NR	182 AF	1	4.13	15.75	16.00	30.00	4.13	15.75	16.00	30.00	4.13	15.75	16.00	30.00	4.50	22.00	22.00	4.13
10	20NF 20NR	200 AF	1	4.13	15.75	16.00	30.00	4.13	15.75	16.00	30.00	4.13	15.75	16.00	30.00	4.50	22.00	22.00	4.13
12	20NF 20NR	200 AF	1	4.13	17.25	18.00	32.00	4.13	17.25	18.00	32.00	4.13	17.25	18.00	32.00	4.50	25.00	23.00	4.13
12	22NF 22NR	222 AF	1	4.13	17.25	18.00	32.00	4.13	17.25	18.00	32.00	4.13	17.25	18.00	32.00	4.50	25.00	23.00	4.13
14	20NW 20NF	200 AF	1	4.13	17.50	19.00	37.00	4.13	17.50	19.00	37.00	4.13	17.50	19.00	37.00	4.50	27.00	25.00	4.13
14	22NW 22NF	222 AF	1	4.13	17.50	19.00	37.00	4.13	17.50	19.00	37.00	4.13	17.50	19.00	37.00	4.50	27.00	25.00	4.13
17	22NF 22NR	222 AF	1	4.13	17.50	23.00	37.00	4.13	17.50	23.00	37.00	4.13	17.50	23.00	37.00	4.50	32.00	25.00	4.13
17	24NF 24NR	245 AF	1	4.13	17.50	23.00	37.00	4.13	17.50	23.00	37.00	4.13	17.50	23.00	37.00	4.50	32.00	25.00	4.13
21	20NF 20NR	200 AF	2	4.13	19.50	25.00	41.00	4.13	19.50	25.00	41.00	4.13	19.50	25.00	41.00	4.50	39.00	26.00	4.13
25	22NF 22NR	222 AF	2	4.13	19.50	30.00	41.00	4.13	19.50	30.00	41.00	4.13	19.50	30.00	41.00	4.50	39.00	30.00	4.13
30	24NF 24NR	245 AF	2	4.13	22.25	30.00	49.00	4.13	22.25	30.00	49.00	4.13	22.25	30.00	49.00	4.50	43.00	34.00	4.13

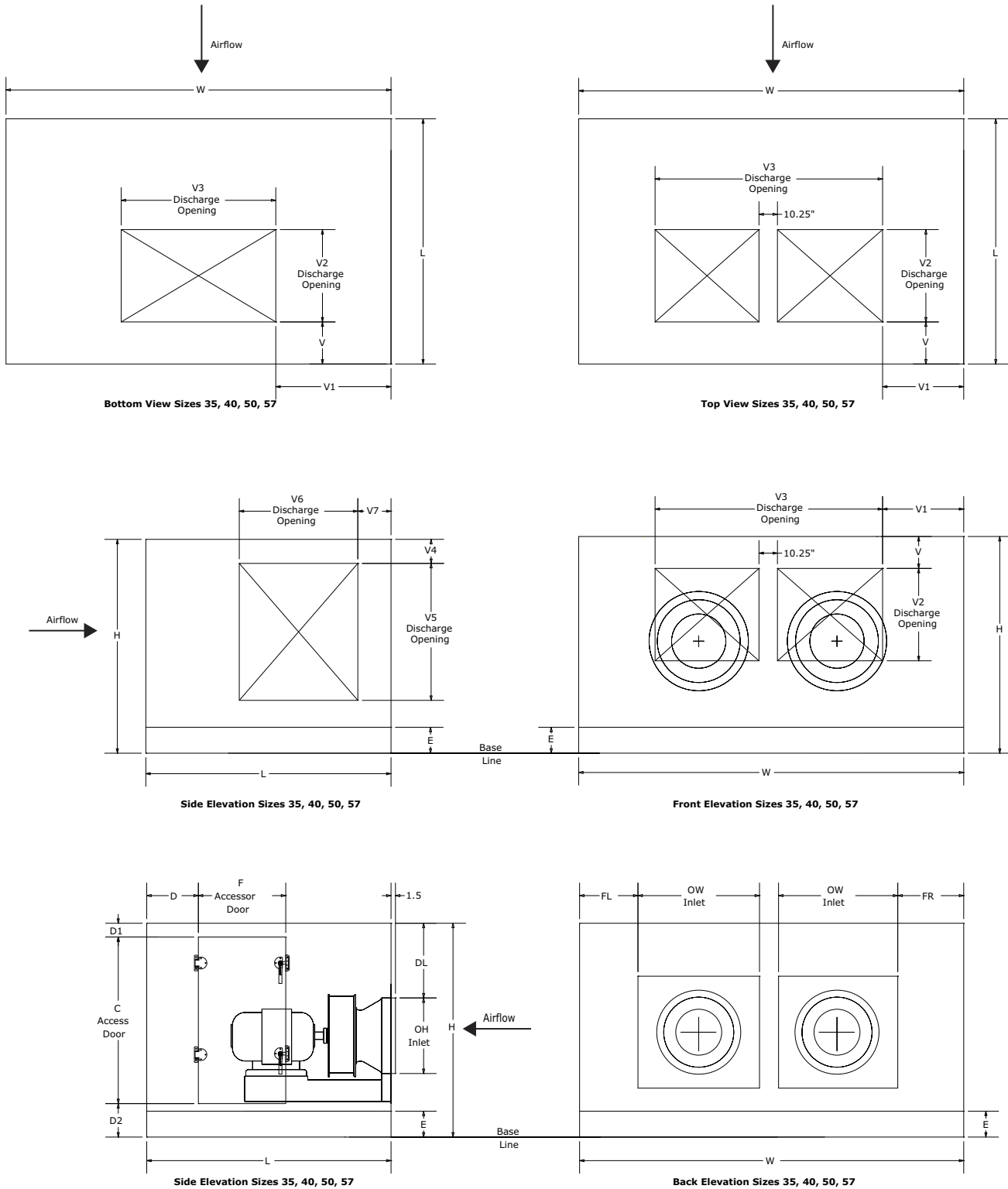


Dimensions

Table 102. Direct-drive plenum fans - rectangular full face opening dimensions (inches) for unit sizes 3-31

Unit Size	Fan Type	Fan Size	Fan Qty	Rectangular Openings											
				Front Full Face				Top Full Face				Side Full Face			
				V	V1	V2	V3	V	V1	V2	V3	V4	V5	V6	V7
3	10NW 10NF	105 AF	1	4.13	5.50	18.38	20.50	4.13	5.50	27.75	20.50	4.50	18.00	27.75	4.13
4	12NF 12NR	122 AF	1	4.13	5.50	18.38	33.00	4.13	5.50	32.75	33.00	4.50	18.00	32.75	4.13
4	13NF 13NR	135 AF	1	4.13	5.50	18.38	33.00	4.13	5.50	32.75	33.00	4.50	18.00	32.75	4.13
6	13NF 12NR	135 AF	1	4.13	5.50	24.63	33.00	4.13	5.50	32.75	33.00	4.50	24.25	32.75	4.13
6	15NF 15NR	150 AF	1	4.13	5.50	24.63	33.00	4.13	5.50	32.75	33.00	4.50	24.25	32.75	4.13
8	16NF 16NR	165 AF	1	4.13	5.50	27.13	39.50	4.13	5.50	35.75	39.50	4.50	26.75	35.75	4.13
8	18NF 18NR	182 AF	1	4.13	5.50	27.13	39.50	4.13	5.50	35.75	39.50	4.50	26.75	35.75	4.13
10	18NF 18NR	182 AF	1	4.13	5.50	27.13	50.50	4.13	5.50	38.50	50.50	4.50	26.75	38.50	4.13
10	20NF 20NR	200 AF	1	4.13	5.50	27.13	50.50	4.13	5.50	38.50	50.50	4.50	26.75	38.50	4.13
12	20NF 20NR	200 AF	1	4.13	5.50	30.88	55.50	4.13	5.50	40.25	55.50	4.50	30.50	40.25	4.13
12	22NF 22NR	222 AF	1	4.13	5.50	30.88	55.50	4.13	5.50	40.25	55.50	4.50	30.50	40.25	4.13
14	20NW 20NF	200 AF	1	4.13	5.50	30.88	61.00	4.13	5.50	40.25	61.00	4.50	30.50	40.25	4.13
14	22NW 22NF	222 AF	1	4.13	5.50	30.88	61.00	4.13	5.50	40.25	61.00	4.50	30.50	40.25	4.13
17	22NF 22NR	222 AF	1	4.13	5.50	38.38	61.00	4.13	5.50	41.75	61.00	4.50	38.00	41.75	4.13
17	24NF 24NR	245 AF	1	4.13	5.50	38.38	61.00	4.13	5.50	41.75	61.00	4.50	38.00	41.75	4.13
21	20NF 20NR	200 AF	2	4.13	5.50	42.13	69.00	4.13	5.50	42.00	69.00	4.50	41.75	42.00	4.13
25	22NF 22NR	222 AF	2	4.13	5.50	50.88	69.00	4.13	5.50	42.00	69.00	4.50	50.50	42.00	4.13
30	24NF 24NR	245 AF	2	4.13	5.50	50.88	82.50	4.13	5.50	44.25	82.50	4.50	50.50	44.25	4.13

Figure 60. Direct-drive plenum fans - rectangular openings for unit sizes 35-57





Dimensions

Table 103. Direct-drive plenum fans - rectangular opening dimensions (inches) for unit sizes 35-57

Unit Size	Fan Type	Fan Size	Fan Qty	Rectangular Openings															
				Standard Front				Standard Top				Standard Bottom				Standard Side			
				V	V1	V2	V3	V	V1	V2	V3	V	V1	V2	V3	V4	V5	V6	V7
35	24NW 24NF	245 AF	2	16.38	19.50	32.00	61.00	13.25	17.50	29.00	65.00	13.75	20.00	28.00	60.00	8.25	42.00	38.00	8.75
40	27NF 27NR	270 AF	2	16.38	22.75	32.00	67.00	15.50	19.75	29.00	73.00	16.00	21.75	28.00	69.00	8.25	42.00	44.00	8.00
50	30NF 30NR	300 AF	2	18.13	25.25	37.00	75.00	17.00	20.25	31.00	85.00	17.50	22.75	30.00	80.00	14.63	44.00	48.00	8.50
57	30NF 30NR	300 AF	2	20.50	25.25	42.00	75.00	16.00	17.75	33.00	90.00	16.50	20.25	32.00	85.00	14.50	54.00	50.00	7.50

Table 104. Direct-drive plenum fans - rectangular full face opening dimensions (inches) for unit sizes 35-57

Unit Size	Fan Type	Fan Size	Fan Qty	Rectangular Openings											
				Front Full Face				Top Full Face				Side Full Face			
				V	V1	V2	V3	V	V1	V2	V3	V4	V5	V6	V7
35	24NW 24NF	245 AF	2	7.50	10.00	42.75	80.00	4.50	9.25	46.50	81.50	7.50	42.75	46.00	4.75
40	27NF 27NR	270 AF	2	7.50	10.00	42.75	92.50	4.50	9.25	51.00	94.00	7.50	42.75	50.50	4.75
50	30NF 30NR	300 AF	2	7.50	10.00	51.25	105.50	4.50	9.25	56.00	107.00	7.50	51.25	55.50	4.75
57	30NF 30NR	300 AF	2	7.50	10.00	61.00	105.50	4.50	9.25	56.00	107.00	7.50	61.00	55.50	4.75

Horizontal Motorized Impeller Fans

Figure 61. Horizontal motorized impeller exhaust damper

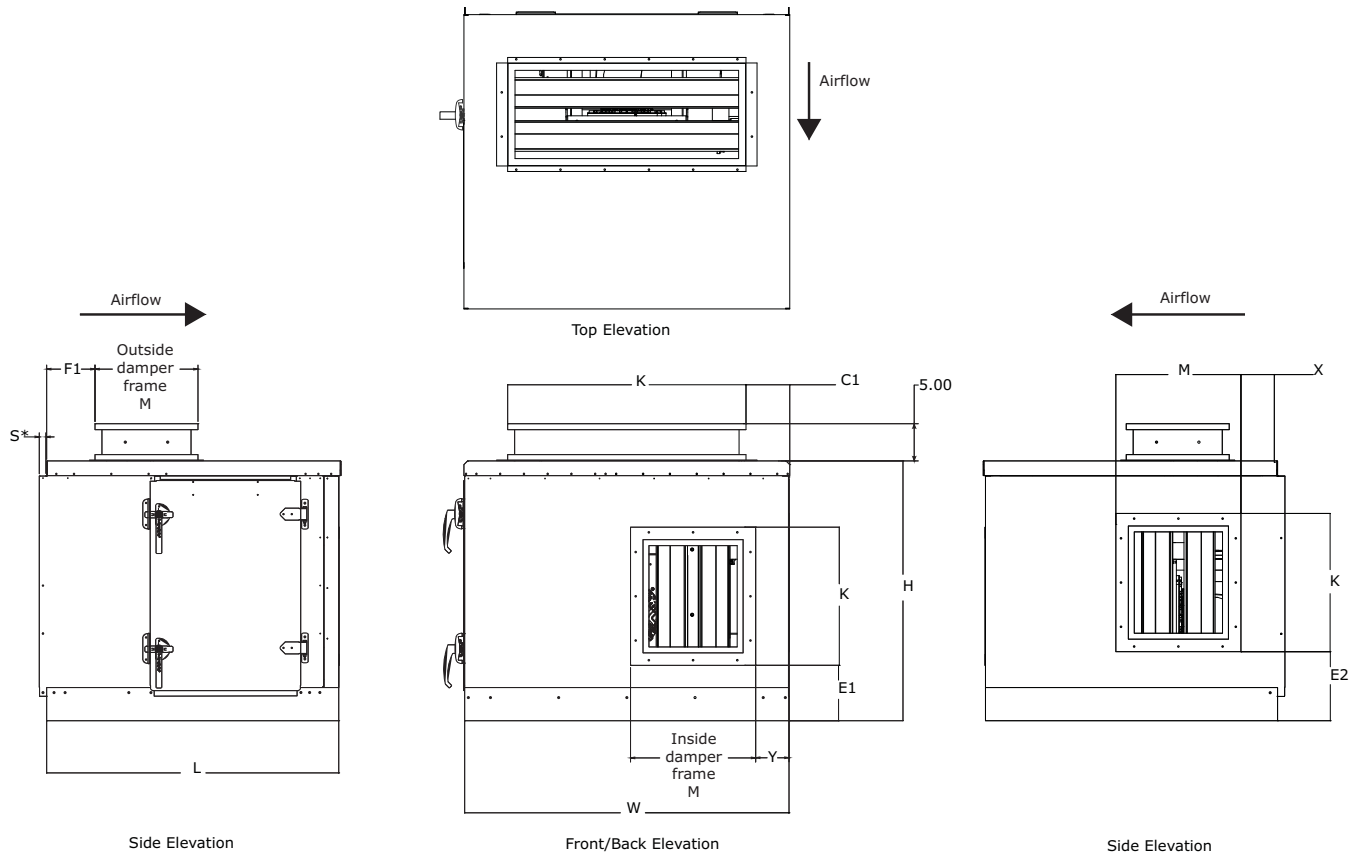


Table 105. Horizontal motorized impeller dimensions (inches)

Unit size	Fan size	Qty of fans	W	H	L
3	11VP/280 12VP/310	1	31.50	29.00	36.375
4	12VP/310 13VP/350	1	44.00	29.00	38.125
6	13VP/350 15VP/400	1	44.00	35.25	39.625
8	15VP/400 17VP/450	1	50.50	37.75	42.625
10	17VP/450 19VP/500	1	61.50	37.75	39.625
12	19VP/500 22VP/560	1	66.50	41.50	47.375
14	22VP/560 15VP/400	1 2	72.00	41.50	46.875
17	17VP/450 19VP/500	2	72.00	49.00	50.125
21	17VP/450 19VP/500	2	80.00	52.75	48.625
25	19VP/500 22VP/560	2	80.00	61.50	52.375
30	19VP/500 19VP/500	2 3	93.50	61.50	50.125
35	17VP/450 19VP/500	3	100.00	67.25	50.125
40	19VP/500 22VP/560	3	112.50	67.25	52.625
50	22VP/560 24VP/630	3	125.50	75.75	51.125
57	22VP/560 24VP/630	3	125.50	85.50	52.250

Table 106. Horizontal motorized impeller with damper in top panel dimensions (inches)

Unit size	K	M	C1	F1	S
3	19.83	13.97	5.83	6.56	1.00
4	32.33	13.97	5.83	4.56	1.00
6	32.33	13.97	5.83	6.56	1.00
8	38.83	13.97	5.83	6.56	1.00
10	49.83	13.97	5.83	4.56	1.00
12	54.83	13.97	5.83	6.56	1.00
14	60.33	13.97	5.83	6.56	1.00
17	60.33	13.97	5.83	6.56	1.00
21	68.33	13.97	5.83	6.56	1.00
25	68.33	13.97	5.83	6.56	1.00
30	81.83	13.97	5.83	6.56	1.00
35	84.76	19.72	7.62	6.56	1.00
40	97.26	19.72	7.62	6.56	1.00
50	110.04	19.72	7.73	6.56	1.00
57	110.04	19.72	7.73	6.56	1.00

Table 107. Horizontal motorized impeller with damper in front/back wall dimensions (inches)

Unit size	K	M	E1	Y (from opposite drive side)	S
3	14.25	16.97	8.00	7.27	1.00
4	14.25	16.97	6.14	4.52	1.00
6	18.75	16.97	7.51	4.52	1.00
8	23.25	16.97	9.26	7.77	1.00
10	23.25	19.30	6.00	12.10	1.00
12	30.00	19.30	7.63	14.60	1.00
14	26.25	22.72	9.51	24.64	1.00
17	33.50	22.72	10.50	24.64	1.00
21	39.75	22.72	9.32	28.64	1.00
25	48.75	22.72	7.95	28.64	1.00
30	51.50	23.22	6.19	35.14	1.00
35	48.50	28.47	8.75	35.77	1.00
40	51.00	31.35	8.75	40.58	1.00
50	59.75	34.22	8.75	45.64	1.00
57	68.75	34.22	8.75	45.64	1.00

Table 108. Horizontal motorized impeller with damper in wall opposite door access dimensions (inches)

Unit size	K	M	E2	X	S
3	14.25	16.97	11.37	11.97	1.00
4	14.25	16.97	9.37	4.97	1.00
6	18.75	16.97	9.37	4.97	1.00
8	23.25	16.97	9.37	4.97	1.00
10	23.25	19.30	9.37	4.97	1.00
12	30.00	19.30	7.37	4.97	1.00
14	26.25	22.72	7.37	4.97	1.00
17	33.50	22.72	7.37	7.97	1.00
21	39.75	22.72	8.37	4.97	1.00
25	48.75	22.72	8.37	4.97	1.00
30	51.50	23.22	6.37	7.97	1.00
35	48.50	28.47	9.37	4.97	1.00
40	51.00	31.35	9.37	4.97	1.00
50	59.75	34.22	9.37	4.97	1.00
57	68.75	34.22	9.37	4.97	1.00

Dimensions

Figure 62. Horizontal motorized impeller back inlet

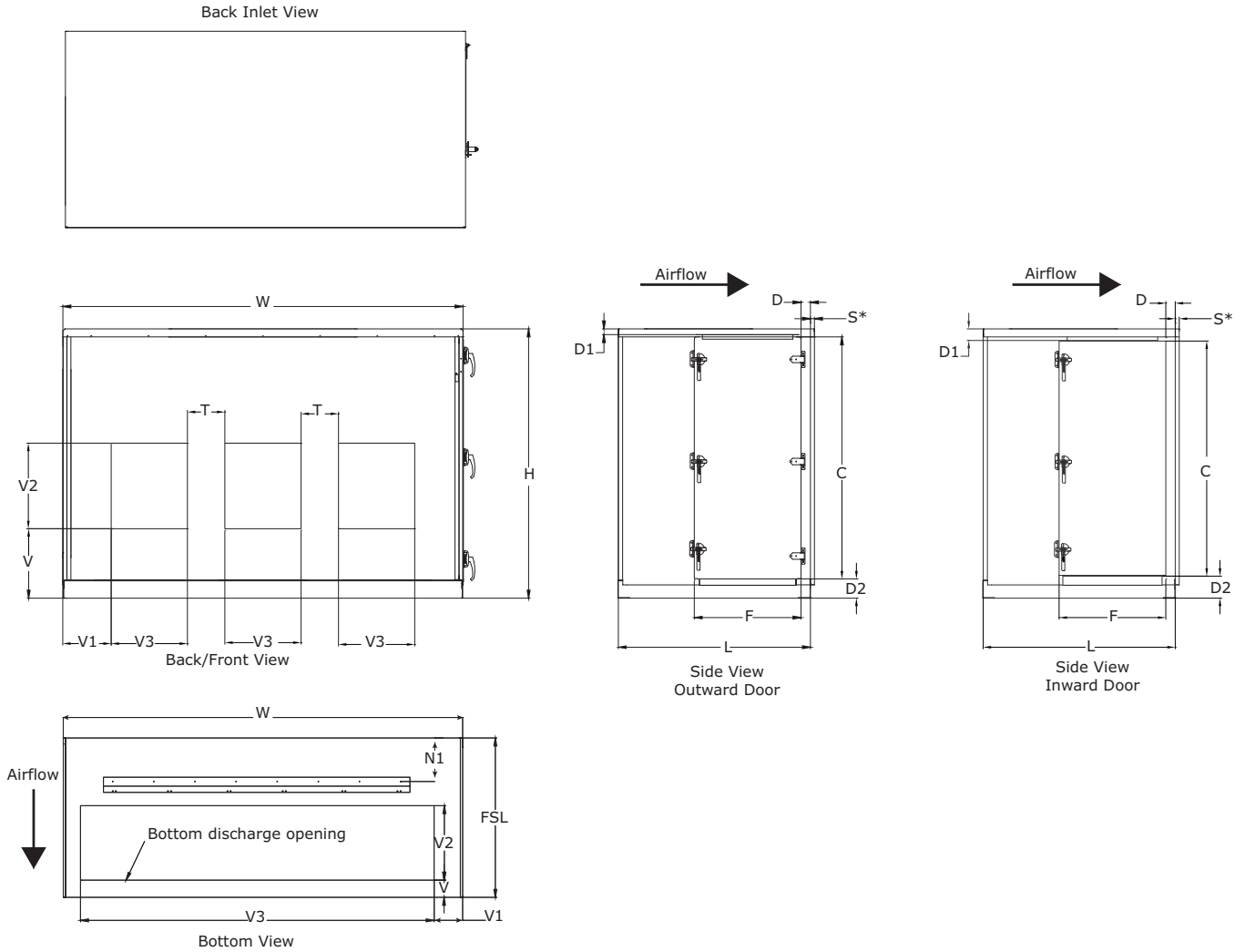


Table 109. Horizontal motorized impeller back inlet opening dimensions (inches)

Unit size	Fan size	Qty of fans	Back inlet opening				T
			V	V1	V2	V3	
3	11VP/280	1	7.03	10.38	10.75	10.75	n/a
3	12VP/310	1	6.92	8.30	14.90	14.90	n/a
4	12VP/310	1	6.92	14.55	14.90	14.90	n/a
4	13VP/350	1	6.90	14.53	14.94	14.94	n/a
6	13VP/350	1	6.90	14.53	14.94	14.94	n/a
6	15VP/400	1	7.15	14.78	14.44	14.44	n/a
8	15VP/400	1	7.15	18.03	14.44	14.44	n/a
8	17VP/450	1	7.68	16.00	18.50	18.50	n/a
10	17VP/450	1	7.68	21.50	18.50	18.50	n/a
10	19VP/500	1	7.18	21.00	19.50	19.50	n/a
12	19VP/500	1	7.18	23.50	19.50	19.50	n/a
12	22VP/560	1	8.53	21.50	23.50	23.50	n/a
14	22VP/560	1	8.53	24.25	23.50	23.50	n/a
14	15VP/400	2	7.15	14.56	14.44	14.44	14.00
17	17VP/450	2	7.68	11.75	18.50	18.50	11.50
17	19VP/500	2	7.18	10.75	19.50	19.50	11.50
21	17VP/450	2	7.68	14.75	18.50	18.50	13.50
21	19VP/500	2	7.18	13.75	19.50	19.50	13.50
25	19VP/500	2	7.18	14.75	19.50	19.50	11.50
25	22VP/560	2	8.53	11.50	23.50	23.50	10.00
30	19VP/500	2	7.18	20.50	19.50	19.50	13.50
30	19VP/500	3	7.18	9.50	19.50	19.50	8.00
35	17VP/450	3	7.68	10.75	18.50	18.50	11.50
35	19VP/500	3	7.18	9.25	19.50	19.50	11.50
40	19VP/500	3	7.180	15.500	19.50	19.50	11.50
40	22VP/560	3	8.526	9.500	23.50	23.50	11.50
50	22VP/560	3	8.526	14.000	23.50	23.50	13.50
50	24VP/630	3	8.526	14.000	23.50	23.50	13.50
57	22VP/560	3	8.526	14.000	23.50	23.50	13.50
57	24VP/630	3	8.526	14.000	23.50	23.50	13.50



Dimensions

Table 110. Horizontal motorized impeller bottom discharge opening dimensions (inches)

Unit size	Fan size	Qty of fans	Bottom discharge opening			
			V	V1	V2	V3
3	11VP/280 12VP/310	1	5.75	5.75	8.00	20.00
4	12VP/310 13VP/350	1	5.75	5.75	7.00	32.50
6	13VP/350 15VP/400	1	5.75	5.75	10.00	32.50
8	15VP/400 17VP/450	1	5.75	5.75	10.00	39.00
10	17VP/450 19VP/500	1	5.75	5.75	10.00	50.00
12	19VP/500 22VP/560	1	5.75	5.75	11.00	55.00
14	22VP/560 15VP/400	1 2	5.75	5.75	12.00	60.50
17	17VP/450 19VP/500	2	5.75	5.75	14.50	60.50
21	17VP/450 19VP/500	2	5.75	5.75	15.00	68.50
25	19VP/500 22VP/560	2	5.75	5.75	18.00	68.50
30	19VP/500 19VP/500	2 3	5.75	5.75	18.00	82.00
35	17VP/450 19VP/500	3	5.75	5.75	20.50	82.00
40	19VP/500 22VP/560	3	5.75	5.75	19.50	101.00
50	22VP/560 24VP/630	3	5.75	5.75	21.75	114.00
57	22VP/560 24VP/630	3	5.75	5.75	24.00	114.00

Table 111. Horizontal motorized impeller isolation base location dimensions (inches)

Fan size	Center of Unit (COU) Air Inlet	End of Unit (EOU) Air Inlet
	N1	
280-240/480	9.47	9.27
310-240	8.87	8.67
310-480	10.45	10.25
350-240/480	11.41	11.21
400-240/480	12.89	12.69
450-240/480	14.37	14.17
500-240/480	15.72	15.53
560-240/480	18.56	18.36
630-240	15.79	15.59
630-480	16.06	15.86

Table 112. Horizontal motorized impeller door dimensions (inches)

Unit size	Fan size	Qty of fans	Door Dimensions (Outward)					Door Dimensions (Inward)			
			C (height)	F (width)	D	D1 (header)	D2 (footer)	C (height)	F (width)	D	D2 (footer)
3	11VP/280 12VP/310	1	22.25	16.75	3.13	2.63	4.25	19.38	14.00	5.38	5.38
4	12VP/310 13VP/350	1	22.25	20.42	3.13	2.63	4.25	19.38	17.67	5.38	5.38
6	13VP/350 15VP/400	1	28.50	20.42	3.13	2.63	4.25	25.63	17.67	5.38	5.38
8	15VP/400 17VP/450	1	31.00	22.42	3.13	2.63	4.25	28.13	19.67	5.38	5.38
10	17VP/450 19VP/500	1	31.00	25.42	3.13	2.63	4.25	28.13	22.67	5.38	5.38
12	19VP/500 22VP/560	1	34.75	26.73	3.13	2.63	4.25	31.88	23.98	5.38	5.38
14	22VP/560 15VP/400	1 2	34.75	26.73	3.13	2.63	4.25	31.88	23.98	5.38	5.38
17	17VP/450 19VP/500	2	42.25	25.42	3.13	2.63	4.25	39.38	22.67	5.38	5.38
21	17VP/450 19VP/500	2	46.00	25.42	3.13	2.63	4.25	43.13	22.67	5.38	5.38
25	19VP/500 22VP/560	2	54.75	26.73	3.13	2.63	4.25	51.88	23.98	5.38	5.38
30	19VP/500 19VP/500	2 3	54.75	25.42	3.13	2.63	4.25	51.88	22.67	5.38	5.38
35	17VP/450 19VP/500	3	60.50	25.42	3.13	2.63	4.25	57.63	22.67	5.38	5.38
40	19VP/500 22VP/560	3	60.50	26.73	3.13	2.63	4.25	57.63	23.98	5.38	5.38
50	22VP/560 24VP/630	3	69.00	26.73	3.13	2.63	4.25	66.13	23.98	5.38	5.38
57	22VP/560 24VP/630	3	60.50	26.73	3.13	2.88	4.25	57.63	23.98	5.38	5.38

Notes: Hinged on air entering side or air leaving side. Outward swing doors are dimensioned to door and inward swing doors are to door opening.
 The base line does not include the height for mounting legs or add on base rails.
 D side of the door to side of unit for outward, and side of the door opening to the side of the unit for inward
 D2 bottom of the door to bottom of 2.5-inch base rail for outward, and bottom of the door opening to the 2.5-inch base rail for inward
 C is the outside to outside dimension for the outward swing door. C is the opening dimension for the inward swing door.
 F is the outside to outside dimension for the outward swing door. F is the opening dimension for the inward swing door.

Vertical Motorized Impeller Fans

Figure 63. Vertical motorized impeller

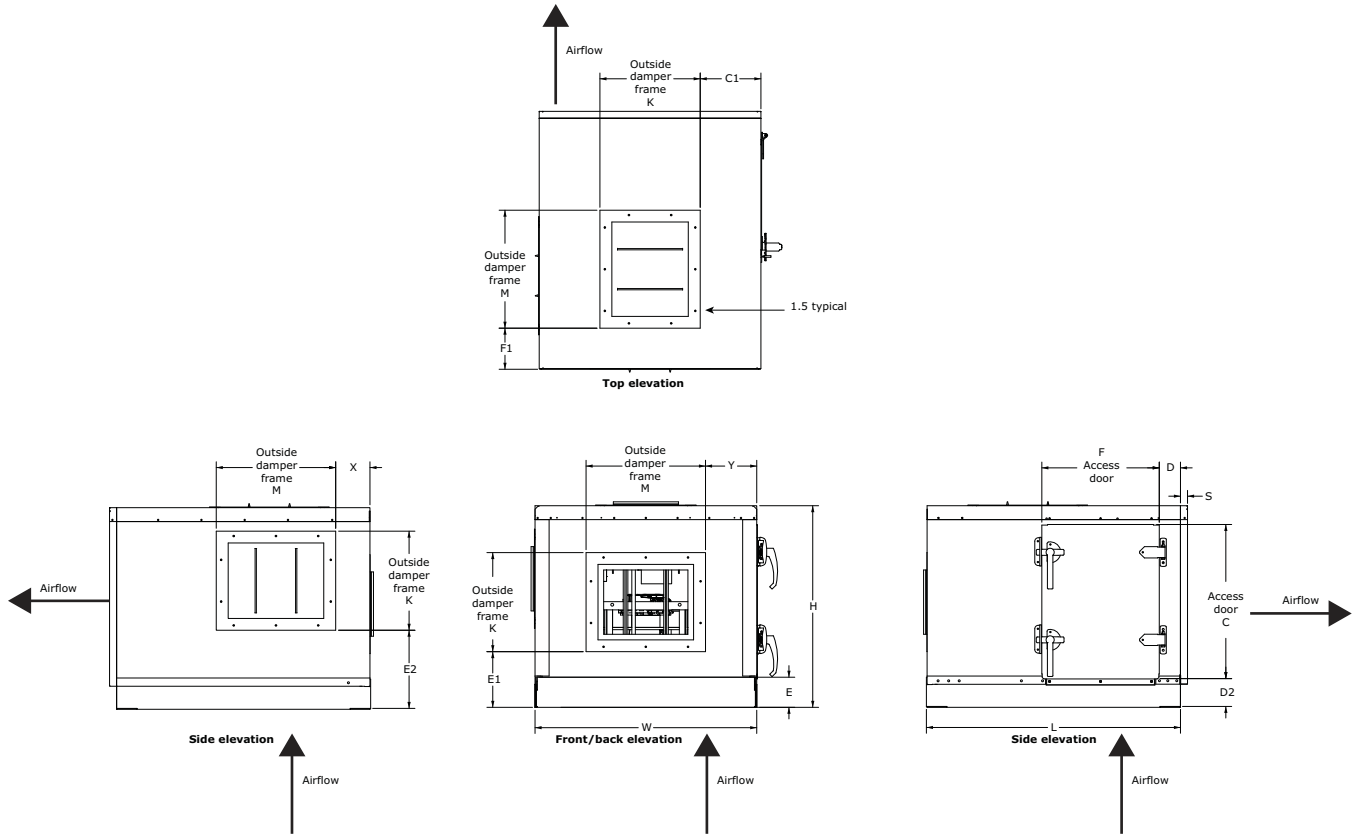


Table 113. Vertical motorized impeller with damper in top panel dimensions (inches)

Unit size	K	M	C1	F1	S
3	14.25	16.97	8.63	5.81	1.00
4	14.25	16.97	14.88	5.81	1.00
6	18.75	16.97	12.63	5.81	1.00
8	23.25	16.97	13.63	5.81	1.00
10	23.25	19.30	19.13	5.81	1.00
12	30.00	19.30	18.25	5.81	1.00
14	26.25	22.72	22.88	5.81	1.00
17	33.50	22.72	19.25	5.81	1.00
21	39.75	22.72	20.13	5.81	1.00
25	48.75	22.72	15.63	5.81	1.00
30	51.50	23.22	21.00	5.81	1.00
35	48.50	28.47	25.75	5.81	1.00
40	51.00	31.35	30.75	5.81	1.00
50	59.75	34.22	32.88	5.81	1.00
57	68.75	34.22	28.38	5.81	1.00

Table 114. Vertical motorized impeller with damper in front/back wall dimensions (inches)

Unit size	K	M	E1	Y	S
3	14.25	16.97	8.00	7.27	1.00
4	14.25	16.97	6.14	13.52	1.00
6	18.75	16.97	7.51	13.52	1.00
8	23.25	16.97	9.26	16.77	1.00
10	23.25	19.30	6.00	21.10	1.00
12	30.00	19.30	7.63	23.60	1.00
14	26.25	22.72	9.51	24.64	1.00
17	33.50	22.72	10.50	24.64	1.00
21	39.75	22.72	9.32	28.64	1.00
25	48.75	22.72	7.95	28.64	1.00
30	51.50	23.22	6.19	35.14	1.00
35	48.50	28.47	8.75	35.77	1.00
40	51.00	31.35	8.75	40.58	1.00
50	59.75	34.22	8.75	45.64	1.00
57	68.75	34.22	8.75	45.64	1.00

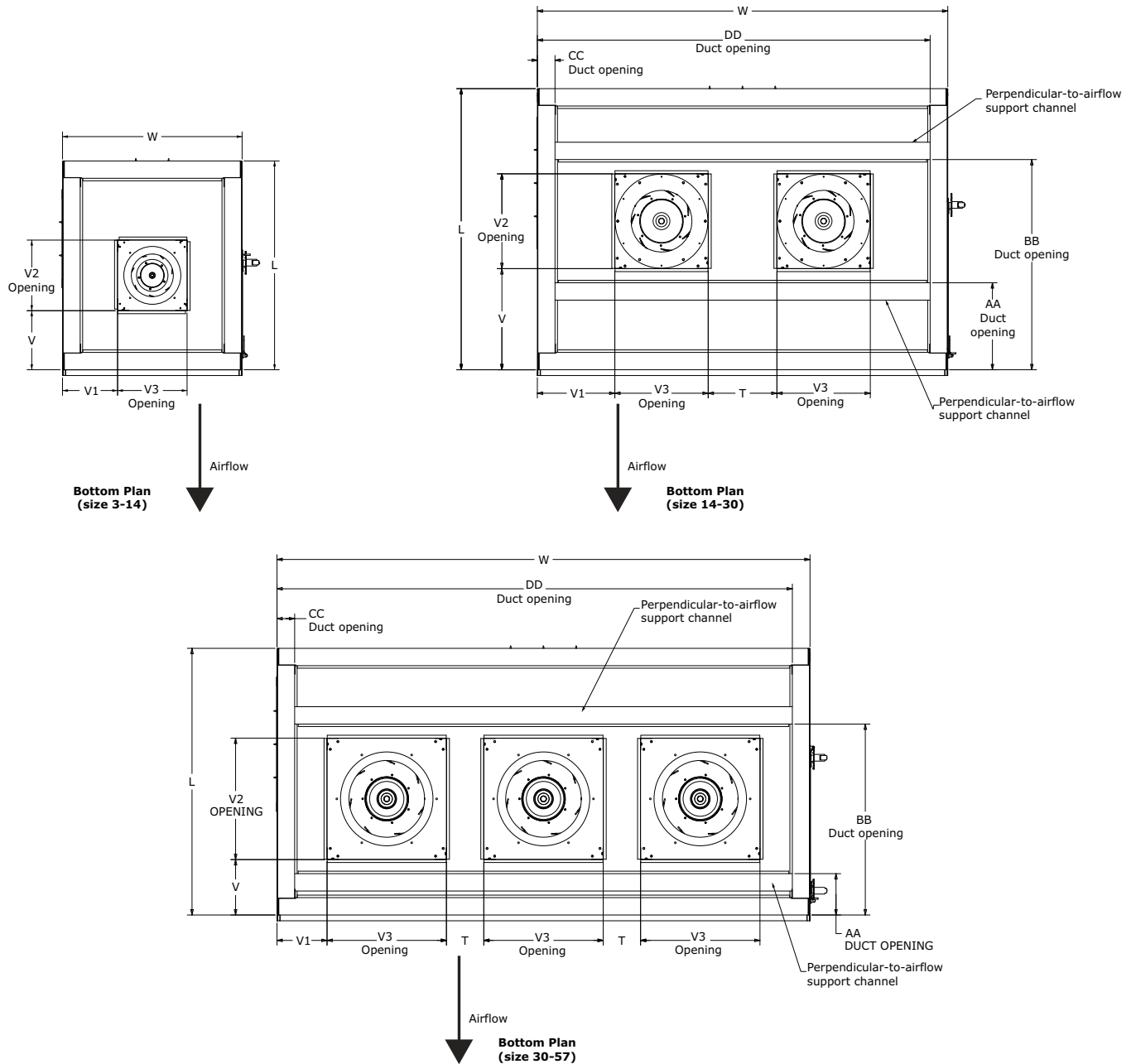
Table 115. Vertical motorized impeller with damper in wall opposite door access dimensions (inches)

Unit size	K	M	E2	X	S
3	14.25	16.97	11.37	4.97	1.00
4	14.25	16.97	9.37	4.97	1.00
6	18.75	16.97	9.37	4.97	1.00
8	23.25	16.97	9.37	4.97	1.00
10	23.25	19.30	9.37	4.97	1.00
12	30.00	19.30	7.37	4.97	1.00
14	26.25	22.72	7.37	4.97	1.00
17	33.50	22.72	7.37	4.97	1.00
21	39.75	22.72	8.37	4.97	1.00
25	48.75	22.72	8.37	4.97	1.00
30	51.50	23.22	6.37	4.97	1.00
35	48.50	28.47	9.37	4.97	1.00
40	51.00	31.35	9.37	4.97	1.00
50	59.75	34.22	9.37	4.97	1.00
57	68.75	34.22	9.37	4.97	1.00

Table 116. Vertical motorized impeller door dimensions (inches)

Unit size	C (Height)	F (Width)	D (Side Jamb)	D1 (Header)	D2 (Footer)
3	22.25	16.75	3.13	2.63	4.25
4	22.25	20.42	3.13	2.63	4.25
6	28.50	20.42	3.13	2.63	4.25
8	31.00	22.42	3.13	2.63	4.25
10	31.00	25.42	3.13	2.63	4.25
12	34.75	26.73	3.13	2.63	4.25
14	34.75	26.73	3.13	2.63	4.25
17	42.25	25.42	3.13	2.63	4.25
21	46.00	25.42	3.13	2.63	4.25
25	54.75	26.73	3.13	2.63	4.25
30	54.75	25.42	3.13	2.63	4.25
35	60.50	25.42	3.13	2.63	4.25
40	60.50	26.73	3.13	2.63	4.25
50	69.00	26.73	3.13	2.63	4.25
57	60.50	26.73	3.13	2.88	4.25

Figure 64. Vertical motorized impeller inlet locations





Dimensions

Table 117. Vertical motorized impeller bottom fan opening dimensions (inches)

Unit size	Fan size	# of fans	W	H	L	V	V1	V2	V3	T
3	11 in.	1	31.50	29.00	36.00	10.19	9.63	12.25	12.25	n/a
3	12 in.	1	31.50	29.00	36.00	5.48	7.55	16.40	16.40	n/a
4	12 in.	1	44.00	29.00	41.00	10.48	13.80	16.40	16.40	n/a
4	13 in.	1	44.00	29.00	41.00	10.90	13.78	16.44	16.44	n/a
6	13 in.	1	44.00	35.25	41.00	10.90	13.78	16.44	16.44	n/a
6	15 in.	1	44.00	35.25	41.00	10.90	13.78	16.44	16.44	n/a
8	15 in.	1	50.50	37.75	44.00	12.97	17.03	16.44	16.44	n/a
8	17 in.	1	50.50	37.75	44.00	9.10	15.25	20.00	20.00	n/a
10	17 in.	1	61.50	37.35	46.75	12.16	20.75	20.00	20.00	n/a
10	19 in.	1	61.50	37.35	46.75	11.16	20.25	21.00	21.00	n/a
12	19 in.	1	66.50	41.50	48.50	12.91	22.75	21.00	21.00	n/a
12	22 in.	1	66.50	41.50	48.50	8.75	20.75	25.00	25.00	n/a
14	22 in.	1	72.00	41.50	48.50	8.75	23.50	25.00	25.00	n/a
14	15 in.	2	72.00	41.50	48.50	17.47	13.56	16.44	16.44	12.00
17	17 in.	2	72.00	49.00	50.00	15.10	11.00	20.00	20.00	10.00
17	19 in.	2	72.00	49.00	50.00	14.41	10.00	21.00	21.00	10.00
21	17 in.	2	80.00	52.75	50.25	14.93	14.00	20.00	20.00	12.00
21	19 in.	2	80.00	52.75	50.25	14.31	13.00	21.00	21.00	12.00
25	19 in.	2	80.00	61.50	46.00	10.06	14.00	21.00	21.00	10.00
25	22 in.	2	80.00	61.50	46.00	6.25	10.75	25.00	25.00	8.50
30	19 in.	2	93.50	61.50	46.00	10.58	19.75	21.00	21.00	12.00
30	19 in.	3	93.50	61.50	46.00	9.58	8.75	21.00	21.00	6.50
35	17 in.	3	100.00	67.25	48.00	13.10	10.00	20.00	20.00	10.00
35	19 in.	3	100.00	67.25	48.00	12.58	8.50	21.00	21.00	10.00
40	19 in.	3	112.50	67.25	48.00	12.58	14.75	21.00	21.00	10.00
40	22 in.	3	112.50	67.25	48.00	8.58	8.75	25.00	25.00	10.00
50	22 in.	3	125.50	75.75	48.00	8.58	13.25	25.00	25.00	12.00
50	24 in.	3	125.50	75.75	48.00	8.58	13.25	25.00	25.00	12.00
57	22 in.	3	125.50	85.50	48.00	8.58	13.25	25.00	25.00	12.00
57	24 in.	3	125.50	85.50	48.00	8.58	13.25	25.00	25.00	12.00

Table 118. Vertical motorized impeller duct placement dimensions (inches)

Unit size	Fan size	AA	BB	CC	DD
14	15 in.	15.04	36.24	3.00	69.00
17	17 in.	12.67	37.43	3.00	69.00
17	19 in.	11.98	37.74	3.00	69.00
21	17 in.	12.50	37.26	3.00	77.00
21	19 in.	11.88	37.64	3.00	77.00
25	19 in.	7.63	33.39	3.00	77.00
25	22 in.	3.00 ¹	33.58	3.00	77.00
30	19 in.	8.15	33.91	3.00	90.50
30	19 in.	7.15	32.91	3.00	90.50
35	17 in.	10.67	35.43	3.00	97.00
35	19 in.	10.15	35.91	3.00	97.00
40	19 in.	10.15	35.90	3.00	109.50
40	22 in.	3.00 ¹	35.90	3.00	109.50
50	22 in.	3.00 ¹	35.90	3.00	122.50
50	24 in.	3.00 ¹	35.90	3.00	122.50
50	22 in.	3.00 ¹	35.90	3.00	122.50
57	24 in.	3.00 ¹	35.90	3.00	122.50

Note: This table represents the large single opening that is to be ducted to.

Note: ¹No perpendicular-to-airflow (PTAF) channel present.

Table 119. Vertical motorized impeller door dimensions (inches)

Unit size	Outward Opening				
	C (Height)	F (Width)	D (Side Jamb)	D1 (Header)	D2 (Footer)
3	22.25	16.75	3.13	2.63	4.25
4	22.25	20.42	3.13	2.63	4.25
6	28.50	20.42	3.13	2.63	4.25
8	31.00	22.42	3.13	2.63	4.25
10	31.00	25.42	3.13	2.63	4.25
12	34.75	26.73	3.13	2.63	4.25
14	34.75	26.73	3.13	2.63	4.25
17	42.25	25.42	3.13	2.63	4.25
21	46.00	25.42	3.13	2.63	4.25
25	54.75	26.73	3.13	2.63	4.25
30	54.75	25.42	3.13	2.63	4.25
35	60.50	25.42	3.13	2.63	4.25
40	60.50	26.73	3.13	2.63	4.25
50	69.00	26.73	3.13	2.63	4.25
57	60.50	26.73	3.13	2.88	4.25



Dimensions

Filters

Filter Sizes and Types

Table 120. Select the filter type (unit sizes 3 to 30)

Filter Type	Unit Size	3	4	6	8	10	12	14
Side-load 2-in. and 4-in. flat filter and 2-in./4-in. high efficiency combination filter	Area (ft ²)	3.47	5.56	6.94	7.33	9.72	13.33	14.44
	Qty-Size	1 - 20x25	2 - 20x20	2 - 20x25	1 - 24x20 1 - 24x24	2 - 20x25 1 - 16x25	3 - 16x20 3 - 16x20	4 - 16x20 2 - 16x25
Side-load 2-in. and 4-in. angled filter	Area (ft ²)	5.56	8.89	8.89	11.11	13.89	16.67	18.06
	Qty-Size	2 - 16x25	4 - 16x20	4 - 16x20	4 - 20x20	4 - 25x20	6 - 20x20	2 - 20x25 4 - 20x20
Side-load bag/cartridge filter and pre-filter	Area (ft ²)	3.33	5.56	6.67	8.00	8.67	12.33	13.44
	Qty-Size	1 - 20x24	2 - 20x20	2 - 24x20	4 - 24x12	2 - 24x20 1 - 24x12	3 - 20x20 2 - 12x24	2 - 20x24 1 - 20x20 2 - 12x24
Front-load 2-in. and 4-in. flat filter	Area	2.00	2.00	6.00	6.00	8.00	10.00	10.00
	Qty-Size	1 - 12x24	1 - 12x24	1 - 24x24 1 - 24x12	1 - 12x24 1 - 24x24	1 - 24x30 1 - 24x24	1 - 12x24 2 - 24x24	1 - 24x12 2 - 24x24
Front-load bag/cartridge filter and pre-filter	Area	2.00	2.00	6.00	6.00	8.00	10.00	10.00
	Qty-Size	1 - 12x24	1 - 12x24	1 - 24x24 1 - 24x12	1 - 12x24 1 - 24x24	1 - 24x30 1 - 24x24	1 - 12x24 2 - 24x24	1 - 24x12 2 - 24x24
Front-load HEPA filters	Area	2.00	2.00	6.00	7.00	9.00	10.00	10.00
	Qty-Size	1 - 12x24	1 - 12x24	1 - 24x24 1 - 24x12	1 - 24x30 1 - 24x12	1 - 24x30 1 - 24x24	2 - 30x24	2 - 30x24
Filter Type	Unit Size	17	21	25	30			
Side-load 2-in. and 4-in. flat filter and 2-in./4-in. high efficiency combination filter	Area (ft ²)	18.89	21.53	27.11	30.44			
	Qty-Size	4 - 20x24 2 - 20x20	3 - 25x20 1 - 25x16	6 - 20x20 2 - 20x16	6 - 20x24 2 - 20x16			
Side-load 2-in. and 4-in. angled filter	Area (ft ²)	28.89	33.33	50.00	56.67			
	Qty-Size	4 - 16x25 8 - 16x20	12 - 25x16	18 - 25x16	6 - 16x25 18 - 16x20			
Side-load bag/cartridge filter and pre-filter	Area (ft ²)	18.89	22.00	26.00	28.22			
	Qty-Size	4 - 20x24 2 - 20x20	3 - 24x24 3 - 20x24	6 - 20x24 3 - 12x24	8 - 20x20 3 - 12x24			
Front-load 2-in. and 4-in. flat filter	Area	14.00	18.00	24.00	28.00			
	Qty-Size	2 - 12x24 1 - 24x12 2 - 24x24	3 - 12x24 3 - 24x24	6 - 24x24	2 - 12x24 6 - 24x24			
Front-load bag/cartridge filter and pre-filter	Area	14.00	18.00	24.00	28.00			
	Qty-Size	2 - 12x24 1 - 24x12 2 - 24x24	3 - 12x24 3 - 24x24	6 - 24x24	2 - 12x24 6 - 24x24			
Front-load HEPA filters	Area	14.00	21.00	24.00	28.00			
	Qty-Size	2 - 24x30 2 - 12x24	3 - 30x24 3 - 12x24	4 - 24x30 2 - 24x12	4 - 24x30 2 - 24x24			

Table 121. Select the filter type (unit sizes 35-120)

Filter Type	Unit Size	35	40	50		
	Area (ft ²)	37.22	40.83	55.00		
Side-load 2-in. and 4-in. flat filter and 2-in./4-in. high efficiency combination filter	Qty-Size	8 - 20x24 3 - 16x25 1 - 16x20	8 - 20x20 2 - 20x25 4 - 16x20 1 - 16x25	12 - 25x20 4 - 16x25 1 - 16x20		
	Area (ft ²)	63.33	70.00	100.00		
	Qty-Size	18 - 16x25 6 - 16x20	6 - 16x25 24 - 16x20	36 - 20x20		
Side-load bag/cartridge filter and pre-filter	Area (ft ²)	34.67	36.00	50.00		
	Qty-Size	8 - 20x24 4 - 12x24	8 - 24x24 2 - 24x12	10 - 24x24 5 - 12x24		
Front-load 2-in. and 4-in. flat filter	Area	34.00	38.00	50.00		
	Qty-Size	3 - 12x24 2 - 24x12 6 - 24x24	3 - 12x24 8 - 24x24	5 - 12x24 10 - 24x24		
	Area	34.00	38.00	50.00		
Front-load bag/cartridge filter and pre-filter	Area	34.00	38.00	50.00		
	Qty-Size	3 - 12x24 2 - 24x12 6 - 24x24	3 - 12x24 8 - 24x24	5 - 12x24 10 - 24x24		
	Area	30.00	37.00	46.00		
Front-load HEPA filters	Qty-Size	3 - 24x30 3 - 30x24	3 - 24x30 1 - 24x12 4 - 30x24	6 - 24x30 2 - 24x24 4 - 12x24		
	Area (ft ²)	63.33	75.56	85.56	104.17	122.22
Side-load 2-in. and 4-in. flat filter and 2-in./4-in. high efficiency combination filter	Area (ft ²)	63.33	75.56	85.56	104.17	122.22
	Qty-Size	12 - 20x25 3 - 20x20 4 - 16x25 1 - 16x20	20 - 20x24 4 - 20x16	20 - 20x24 4 - 20x16 5 - 12x24	30 - 20x25	32 - 25x20 4 - 25x16
	Area (ft ²)	100.00	113.33	151.11	166.67	194.44
Side-load 2-in. and 4-in. angled filter	Area (ft ²)	100.00	113.33	151.11	166.67	194.44
	Qty-Size	36 - 20x20	36 - 20x20 6 - 16x20	48 - 20x20 8 - 16x20	48 - 20x25	56 - 25x20
Side-load bag/cartridge filter and pre-filter	Area (ft ²)	60.00	66.67	88.00	113.33	134.00
	Qty-Size	15 - 24x24	20 - 20x24	20 - 24x24 4 - 24x12	28 - 24x20 4 - 24x12 6 - 12x24	28 - 24x24 4 - 24x12 7 - 12x24
Front-load 2-in. and 4-in. flat filter	Area	60.00	66.00	86.00	106.00	124.00
	Qty-Size	15 - 24x24	3 - 24x12 15 - 24x24	1 - 12x24 4 - 12x24 19 - 24x24	5 - 12x24 24 - 24x24	6 - 12x24 28 - 24x24
	Area	60.00	66.00	86.00	106.00	124.00
Front-load bag/cartridge filter and pre-filter	Area	60.00	66.00	86.00	106.00	124.00
	Qty-Size	15 - 24x24	3 - 24x12 15 - 24x24	1 - 12x24 4 - 12x24 19 - 24x24	5 - 12x24 24 - 24x24	6 - 12x24 28 - 24x24
Front-load HEPA filters	Area	57.00	66.00	76.00	102.00	119.00
	Qty-Size	9 - 24x30 3 - 24x24	12 - 24x30 3 - 24x12	12 - 24x30 3 - 24x12 5 - 12x24	18 - 30x24 6 - 12x24	21 - 30x24 7 - 12x24

Side-loading 2-inch and 4-inch Flat Filter Section

Figure 65. Side loading 2-inch and 4-inch flat filter section

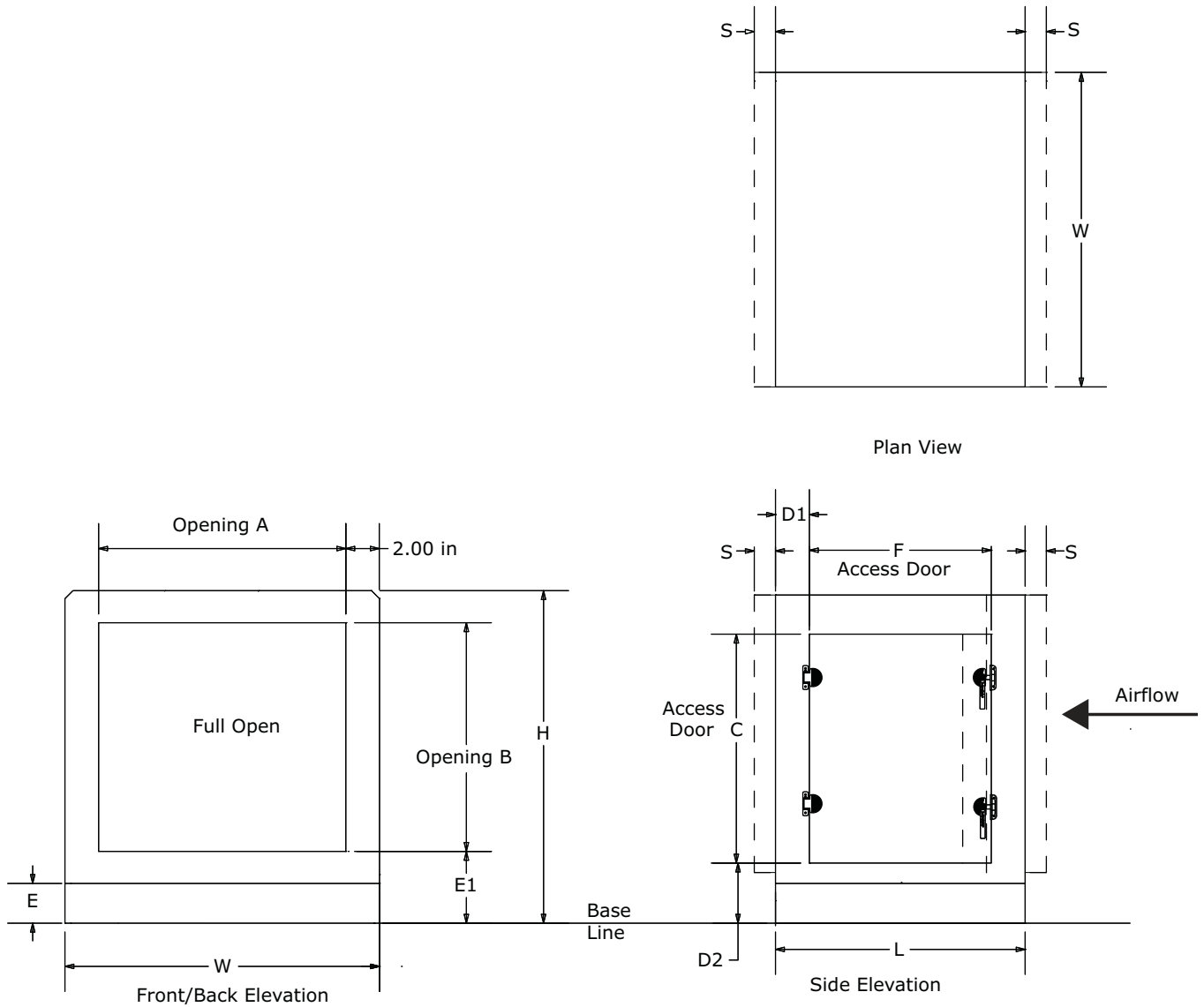


Table 122. Side loading 2-inch and 4-inch flat filter section dimensions (inches)

Unit Size	W	H	L	Front/Back Opening		Outward Door				Base ²		S ¹
				A	B	C	F	D1	D2	E	E1	
3	31.50	29.00	14.00	27.50	22.50	22.25	9.88	2.13	4.25	2.50	4.50	1.00
4	44.00	29.00	14.00	40.00	22.50	22.25	9.88	2.13	4.25	2.50	4.50	1.00
6	44.00	35.25	14.00	40.00	28.75	28.50	9.88	2.13	4.25	2.50	4.50	1.00
8	50.50	37.75	14.00	46.50	31.25	31.00	9.88	2.13	4.25	2.50	4.50	1.00
10	61.50	37.75	14.00	57.50	31.25	31.00	9.88	2.13	4.25	2.50	4.50	1.00
12	66.50	41.50	14.00	62.50	35.00	34.75	9.88	2.13	4.25	2.50	4.50	1.00
14	72.00	41.50	14.00	68.00	35.00	34.75	9.88	2.13	4.25	2.50	4.50	1.00
17	72.00	49.00	14.00	68.00	42.50	42.25	9.88	2.13	4.25	2.50	4.50	1.00
21	80.00	52.75	14.00	76.00	46.25	46.00	9.88	2.13	4.25	2.50	4.50	1.00
25	80.00	61.50	14.00	76.00	55.00	54.75	9.88	2.13	4.25	2.50	4.50	1.00
30	93.50	61.50	14.00	89.50	55.00	54.75	9.88	2.13	4.25	2.50	4.50	1.00
35	100.00	67.25	14.00	96.00	60.75	60.5	9.88	2.13	4.25	2.50	4.50	1.00
40	112.50	67.25	14.00	108.50	60.75	60.50	9.88	2.13	4.25	2.50	4.50	1.00
50	125.50	75.75	14.00	121.50	69.25	69.00	9.88	2.13	4.25	2.50	4.50	1.00
57	125.50	85.50	14.00	121.50	79.00	78.75	9.88	2.13	4.25	2.50	4.50	1.00
66	140.50	92.50	15.00	136.50	82.50	82.25	10.88	2.13	7.75	6.00	8.00	1.00
80	140.50	107.50	15.00	136.50	97.50	97.25	10.88	2.13	7.75	6.00	8.00	1.00
100	154.50	119.75	15.00	150.50	109.75	109.50	10.88	2.13	7.75	6.00	8.00	1.00
120	182.00	119.75	15.00	178.00	109.75	109.50	10.88	2.13	7.75	6.00	8.00	1.00

Note: ¹ Shipping split flange dimension is for shipping and installation planning purposes only and does not add to installed overall unit length. ² Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120.

Dimensions

Figure 66. Side loading 2-inch and 4-inch flat filter placement for unit sizes 3 - 35

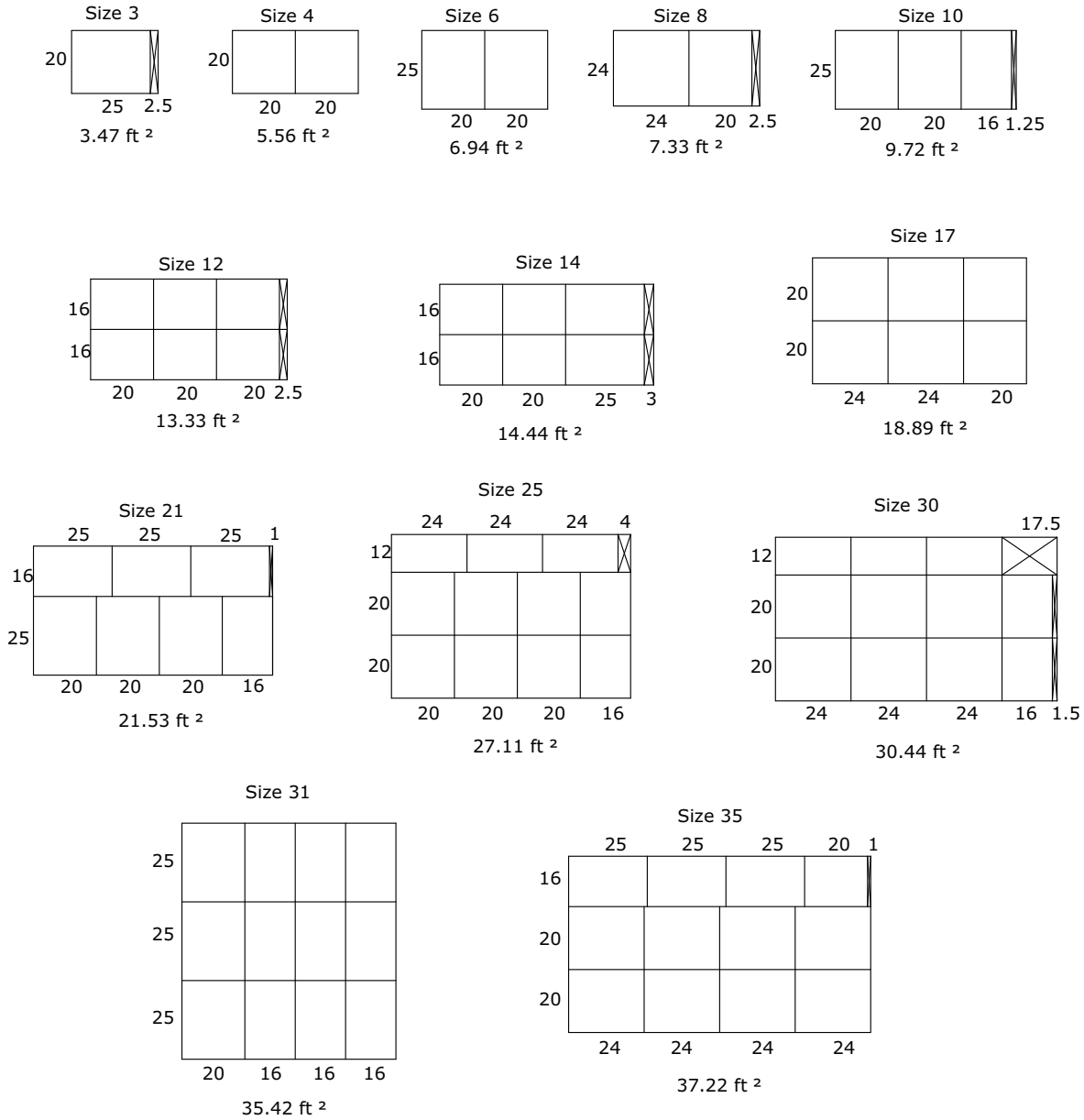
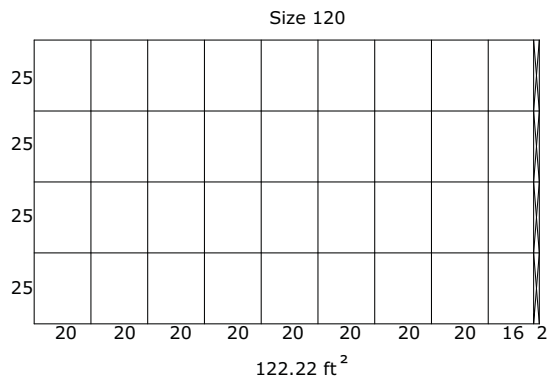
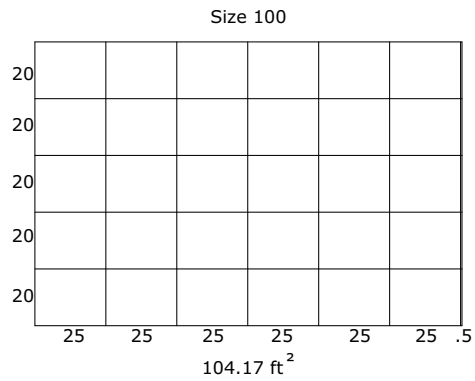
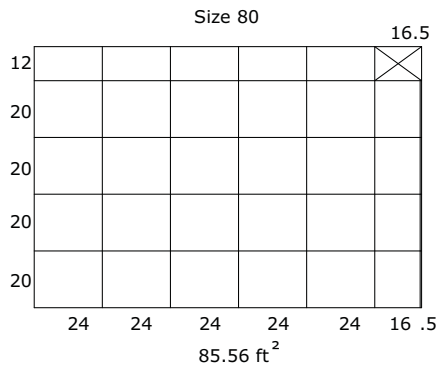
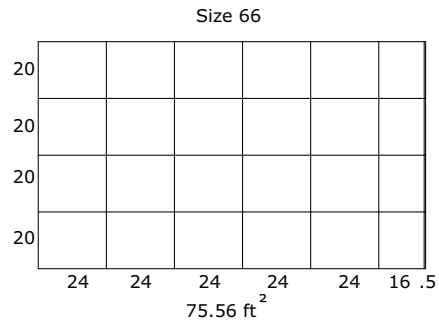
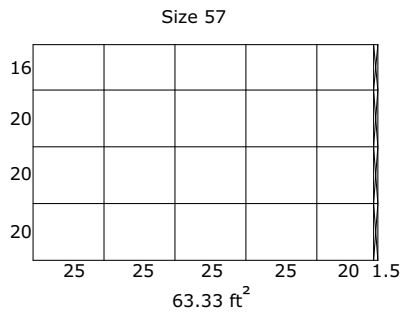
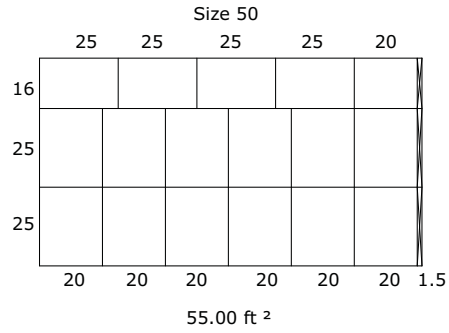
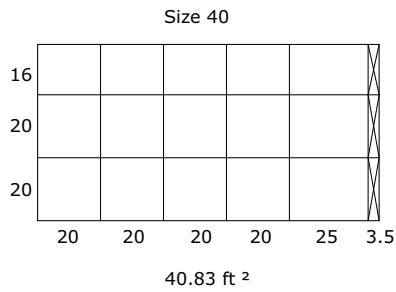


Figure 67. Side loading 2-inch and 4-inch flat filter placement for unit sizes 40 -120



Side Loading 2-inch/4-inch Combination Flat Filter Section

Figure 68. Side loading 2-inch/4-inch combination flat filter section

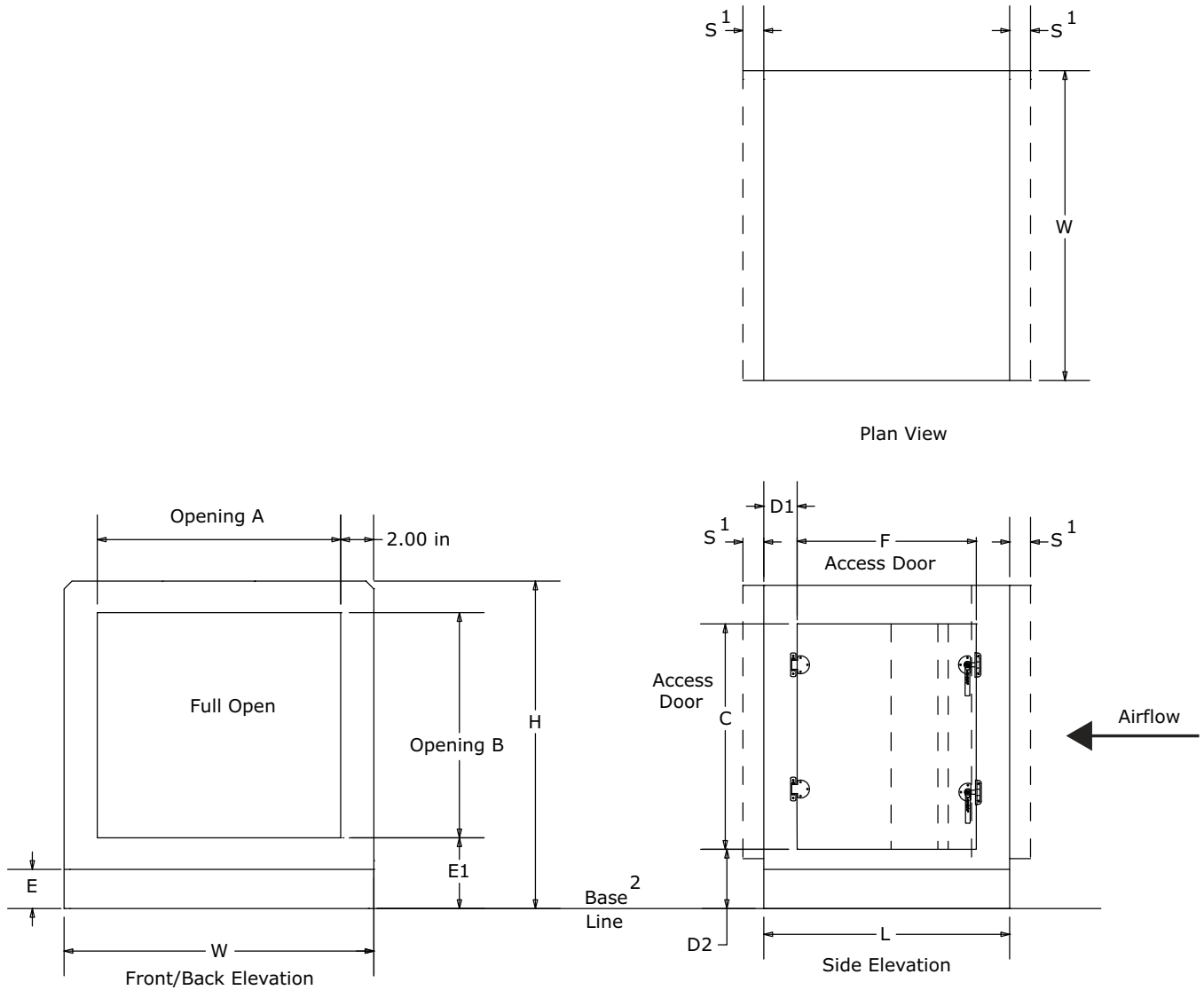


Table 123. Side loading 2-inch/4-inch combination flat filter section dimensions (inches)

Unit Size	W	H	L	Front/Back Opening		Outward Door				Base ²		S ¹
				A	B	C	F	D1	D2	E	E1	
3	31.50	29.00	19.00	27.50	22.50	22.25	14.88	2.13	4.25	2.50	4.50	1.00
4	44.00	29.00	19.00	40.00	22.50	22.25	14.88	2.13	4.25	2.50	4.50	1.00
6	44.00	35.25	19.00	40.00	28.75	28.50	14.88	2.13	4.25	2.50	4.50	1.00
8	50.50	37.75	19.00	46.50	31.25	31.00	14.88	2.13	4.25	2.50	4.50	1.00
10	61.50	37.75	19.00	57.50	31.25	31.00	14.88	2.13	4.25	2.50	4.50	1.00
12	66.50	41.50	19.00	62.50	35.00	34.75	14.88	2.13	4.25	2.50	4.50	1.00
14	72.00	41.50	19.00	68.00	35.00	34.75	14.88	2.13	4.25	2.50	4.50	1.00
17	72.00	49.00	19.00	68.00	42.50	42.25	14.88	2.13	4.25	2.50	4.50	1.00
21	80.00	52.75	19.00	76.00	46.25	46.00	14.88	2.13	4.25	2.50	4.50	1.00
25	80.00	61.50	19.00	76.00	55.00	54.75	14.88	2.13	4.25	2.50	4.50	1.00
30	93.50	61.50	19.00	89.50	55.00	54.75	14.88	2.13	4.25	2.50	4.50	1.00
35	100.00	67.25	19.00	96.00	60.75	60.50	14.88	2.13	4.25	2.50	4.50	1.00
40	112.50	67.25	19.00	108.50	60.75	60.50	14.88	2.13	4.25	2.50	4.50	1.00
50	125.50	75.75	19.00	121.50	69.25	69.00	14.88	2.13	4.25	2.50	4.50	1.00
57	125.50	85.50	19.00	121.50	79.00	78.75	14.88	2.13	4.25	2.50	4.50	1.00
66	140.50	92.50	19.00	136.50	82.50	82.25	14.88	2.13	7.75	6.00	8.00	1.00
80	140.50	107.50	19.00	136.50	97.50	97.25	14.88	2.13	7.75	6.00	8.00	1.00
100	154.50	119.75	19.00	150.50	109.75	109.50	14.88	2.13	7.75	6.00	8.00	1.00
120	182.00	119.75	19.00	178.00	109.75	109.50	14.88	2.13	7.75	6.00	8.00	1.00

Note: ¹ Shipping split flange dimension is for shipping and installation planning purposes only and does not add to installed overall unit length. ² Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120.

Dimensions

Figure 69. Side loading 2-inch/4-inch combination flat filter placement for unit sizes 3-35

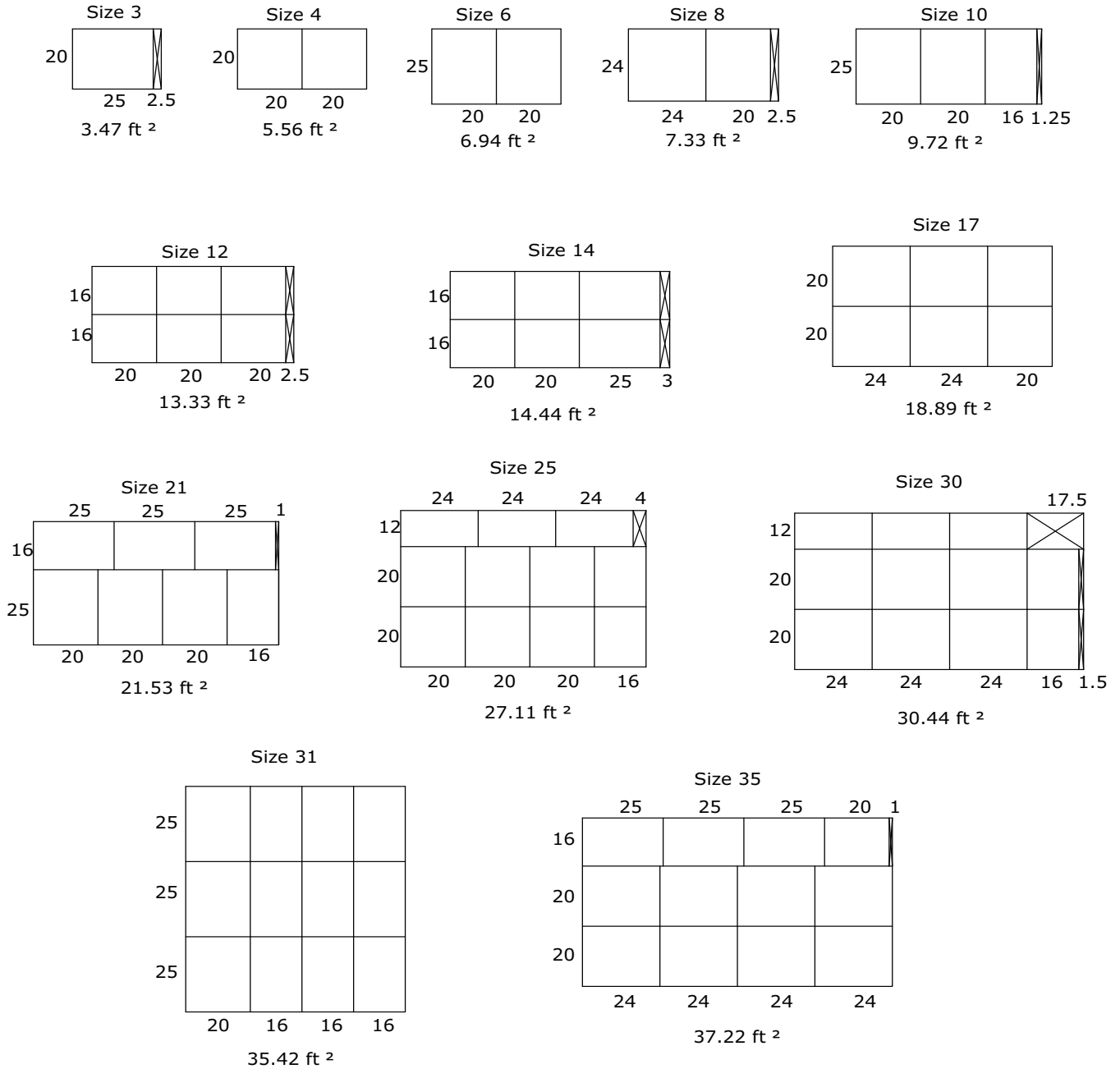
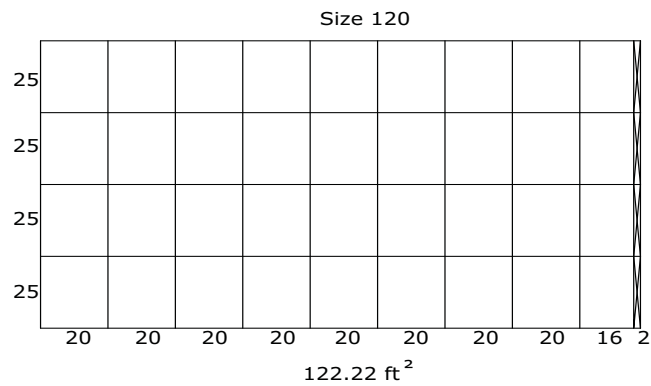
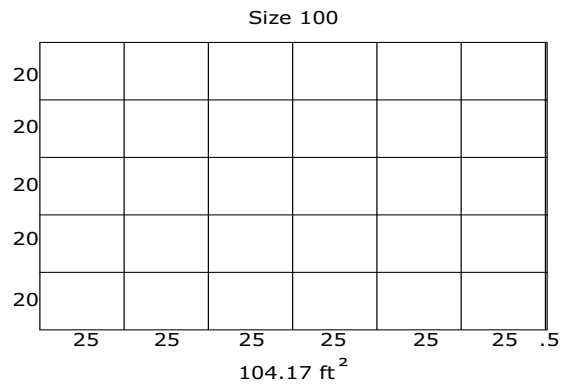
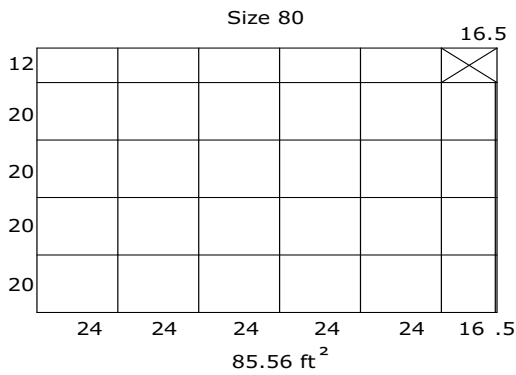
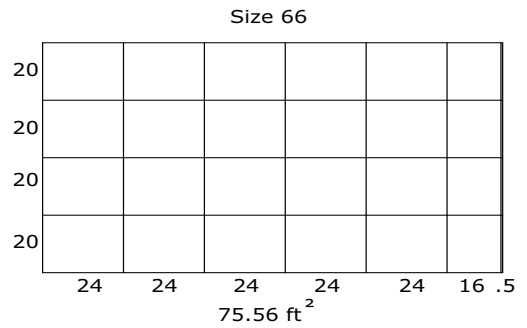
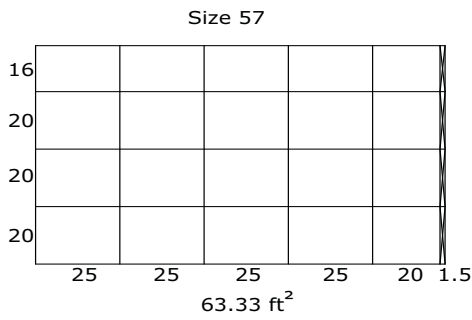
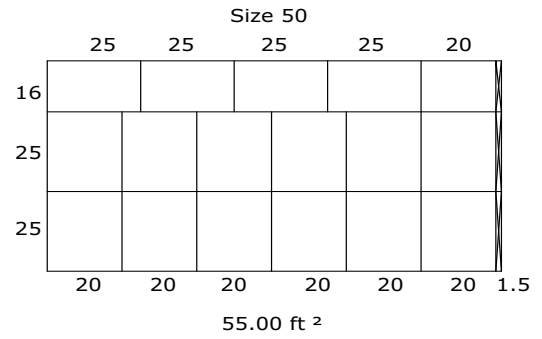
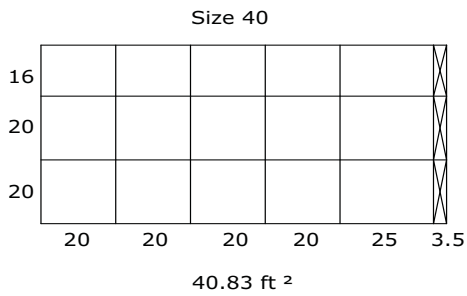


Figure 70. Side loading 2-inch/4-inch combination flat filter placement for unit sizes 40-120



Side Loading 2-inch and 4-inch Angled Filter Section

Figure 71. Side loading 2-inch and 4-inch angled filter section

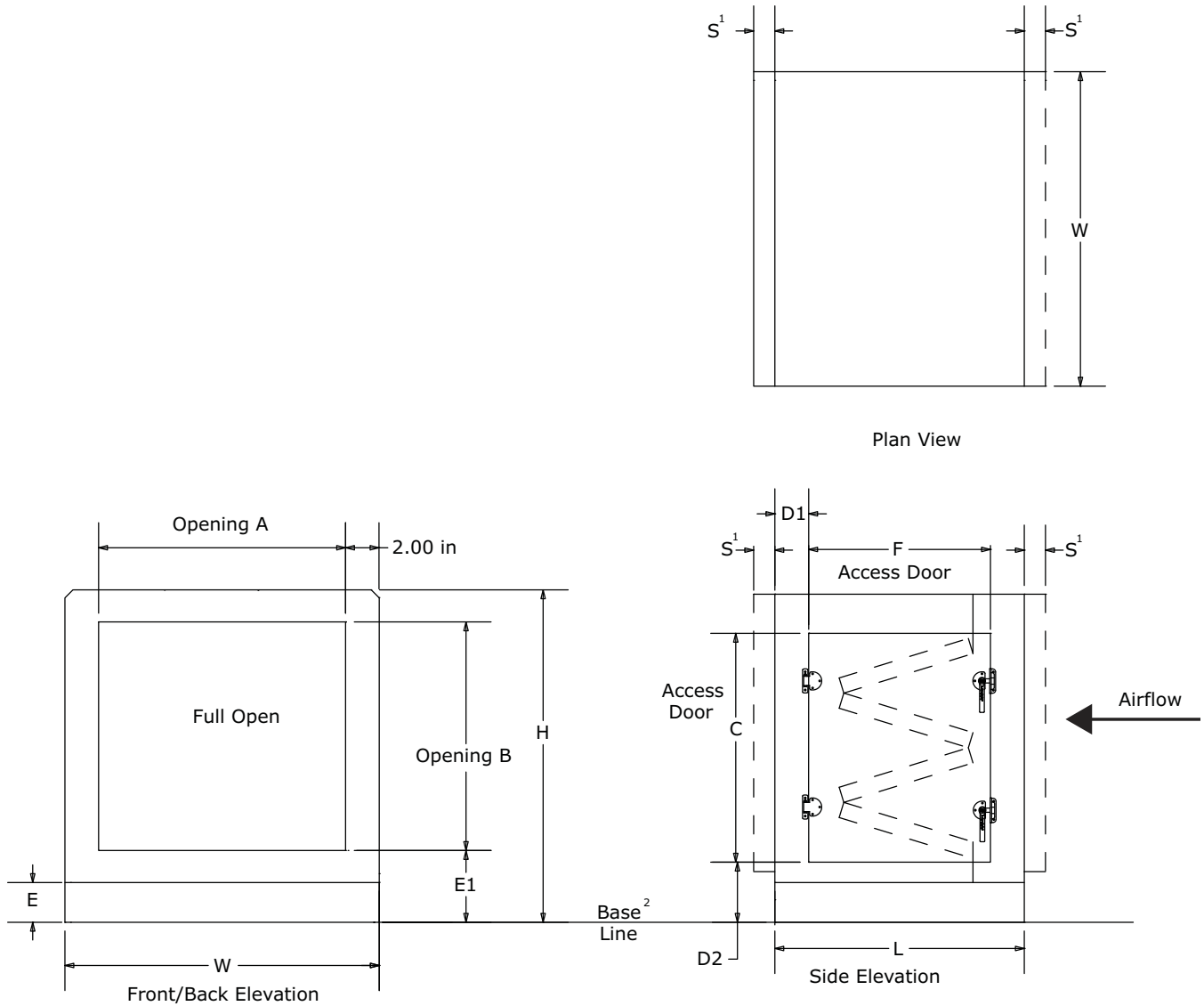


Table 124. Side loading 2-inch and 4-inch angled filter section dimensions (inches)

Unit Size	W	H	L	Front/Back Opening		Outward Door				Base ²		S ¹
				A	B	C	F	D1	D2	E	E1	
3	31.50	29.00	24.50	27.50	22.50	22.25	20.38	2.13	4.25	2.50	4.50	1.00
4	44.00	29.00	24.50	40.00	22.50	22.25	20.38	2.13	4.25	2.50	4.50	1.00
6	44.00	35.25	24.50	40.00	28.75	28.50	20.38	2.13	4.25	2.50	4.50	1.00
8	50.50	37.75	26.50	46.50	31.25	31.00	22.38	2.13	4.25	2.50	4.50	1.00
10	61.50	37.75	26.50	57.50	31.25	31.00	22.38	2.13	4.25	2.50	4.50	1.00
12	66.50	41.50	26.50	62.50	35.00	34.75	22.38	2.13	4.25	2.50	4.50	1.00
14	72.00	41.50	26.50	68.00	35.00	34.75	22.38	2.13	4.25	2.50	4.50	1.00
17	72.00	49.00	24.50	68.00	42.50	42.25	20.38	2.13	4.25	2.50	4.50	1.00
21	80.00	52.75	24.50	76.00	46.25	46.00	20.375	2.13	4.25	2.50	4.50	1.00
25	80.00	61.50	24.50	76.00	55.00	54.75	20.375	2.13	4.25	2.50	4.50	1.00
30	93.50	61.50	24.50	89.50	55.00	54.75	20.375	2.13	4.25	2.50	4.50	1.00
35	100.00	67.25	24.50	96.00	60.75	60.50	20.38	2.13	4.25	2.50	4.50	1.00
40	112.50	67.25	24.50	108.50	60.75	60.50	20.38	2.13	4.25	2.50	4.50	1.00
50	125.50	75.75	27.50	121.5	69.25	69.00	23.38	2.13	4.25	2.50	4.50	1.00
57	125.50	85.50	27.50	121.50	79.00	78.75	23.38	2.13	4.25	2.50	4.50	1.00
66	140.50	92.50	27.50	136.50	82.50	82.25	23.38	2.13	7.75	6.00	8.00	1.00
80	140.50	107.50	27.50	136.50	97.50	97.25	23.38	2.13	7.75	6.00	8.00	1.00
100	154.50	119.75	27.50	150.50	109.75	109.5	23.38	2.13	7.75	6.00	8.00	1.00
120	182.00	119.75	27.50	178.00	109.75	109.5	23.38	2.13	7.75	6.00	8.00	1.00

Note: ¹ Shipping split flange dimension is for shipping and installation planning purposes only and does not add to installed overall unit length. ² Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120.

Dimensions

Figure 72. Side loading 2-inch and 4-inch angled filter placement for unit sizes 3-35

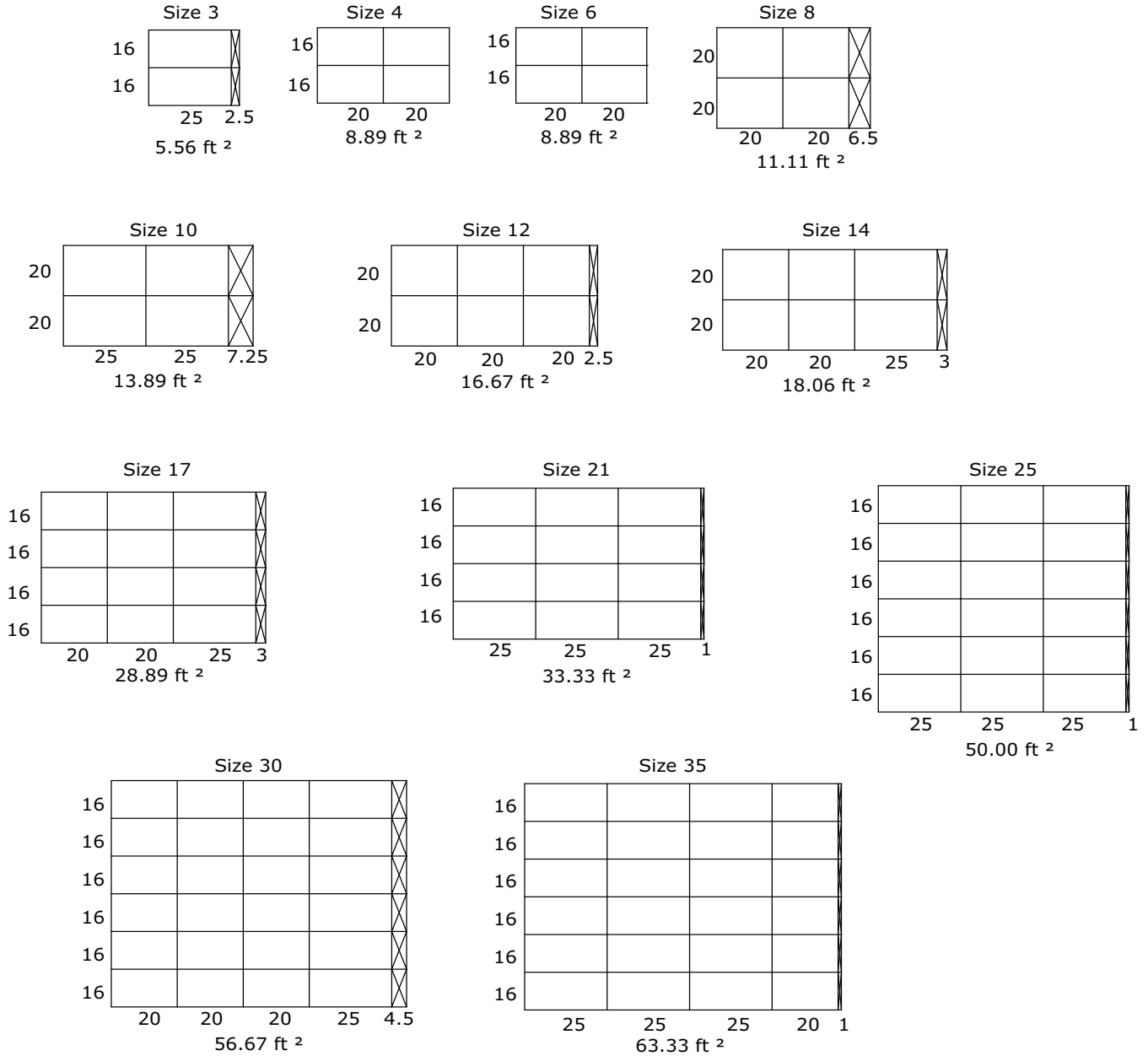
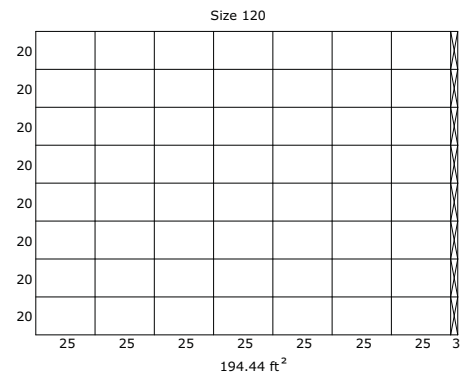
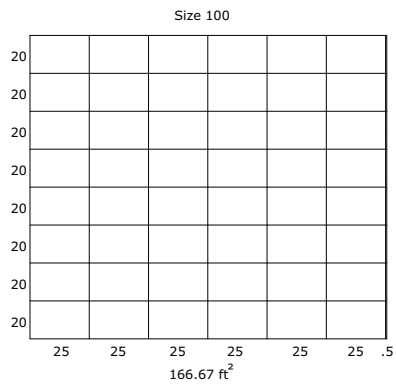
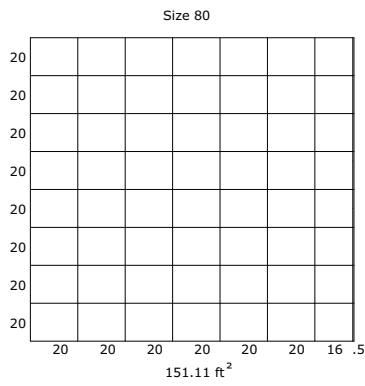
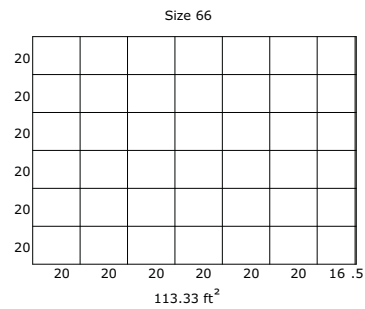
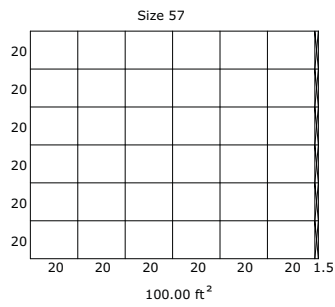
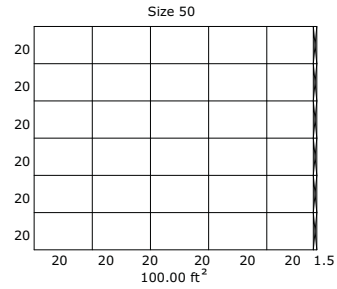
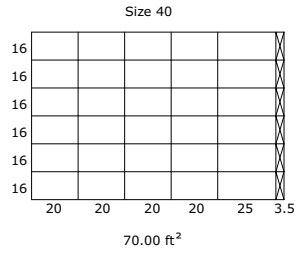


Figure 73. Side loading 2-inch and 4-inch angled filter placement for unit sizes 40-120



Side Loading Long Bag Filter Section

Figure 74. Side loading long bag filter section

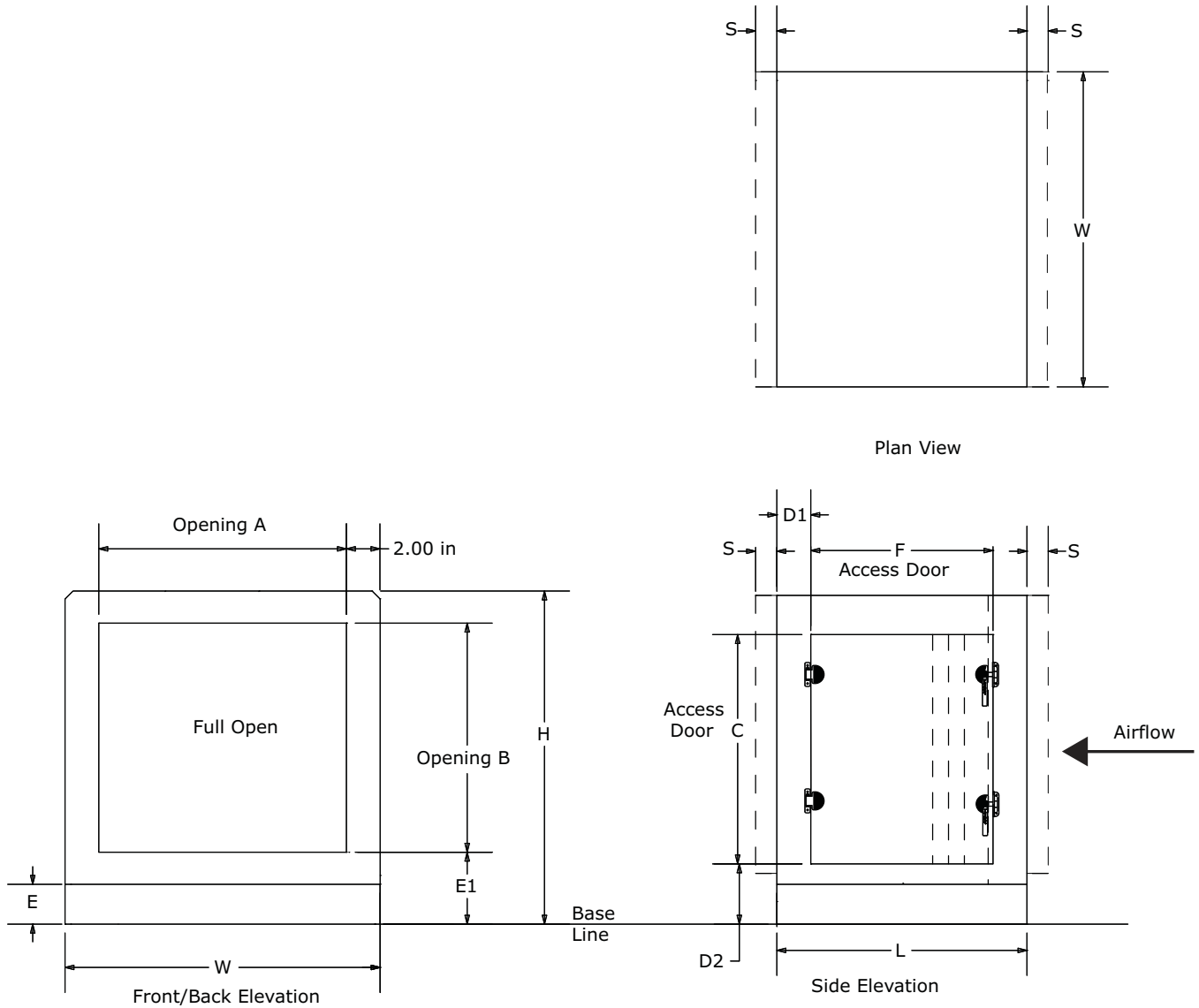


Table 125. Side loading long bag filter section dimensions (inches)

Unit Size	W	H	L	Front/Back Opening		Outward Door				Base ²		S ¹
				A	B	C	F	D1	D2	E	E1	
3	31.50	29.00	36.00	27.50	22.50	22.25	29.00	4.87	4.25	2.50	4.50	1.00
4	44.00	29.00	41.00	40.00	22.50	22.25	29.00	9.88	4.25	2.50	4.50	1.00
6	44.00	35.25	41.00	40.00	28.75	28.50	29.00	9.88	4.25	2.50	4.50	1.00
8	50.50	37.75	44.00	46.50	31.25	31.00	31.00	10.88	4.25	2.50	4.50	1.00
10	61.50	37.75	42.50	57.50	31.25	31.00	31.00	9.38	4.25	2.50	4.50	1.00
12	66.50	41.50	42.50	62.50	35.00	34.75	31.00	9.38	4.25	2.50	4.50	1.00
14	72.00	41.50	42.50	68.00	35.00	34.75	31.00	9.38	4.25	2.50	4.50	1.00
17	72.00	49.00	44.00	68.00	42.50	42.25	31.00	10.88	4.25	2.50	4.50	1.00
21	80.00	52.75	50.30	76.00	46.25	46.00	29.00	19.10	4.25	2.50	4.50	1.00
25	80.00	61.50	46.00	76.00	55.00	54.75	31.00	2.13	4.25	2.50	4.50	1.00
30	93.50	61.50	46.00	89.50	55.00	54.75	31.00	12.90	4.25	2.50	4.50	1.00
35	100.00	67.25	37.30	96.00	60.75	60.50	20.38	2.13	4.25	2.50	4.50	1.00
40	112.50	67.25	37.30	108.50	60.75	60.50	20.38	2.13	4.25	2.50	4.50	1.00
50	125.50	75.75	37.30	121.50	69.25	69.00	20.38	2.13	4.25	2.50	4.50	1.00
57	125.50	85.50	37.30	121.50	79.00	78.75	20.38	2.13	4.25	2.50	4.50	1.00
66	140.50	92.50	37.30	136.50	82.50	82.25	20.38	2.13	7.75	6.00	8.00	1.00
80	140.50	107.50	37.25	136.50	97.50	97.25	20.38	2.13	7.75	6.00	8.00	1.00
100	154.50	119.75	37.25	150.50	109.75	109.50	20.38	2.13	7.75	6.00	8.00	1.00
120	182.00	119.75	37.25	178.00	109.75	109.50	20.38	2.13	7.75	6.00	8.00	1.00

Note: ¹ Shipping split flange dimension is for shipping and installation planning purposes only and does not add to installed overall unit length. ² Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120.

Dimensions

Figure 75. Side loading long bag filter placement for unit sizes 3-35

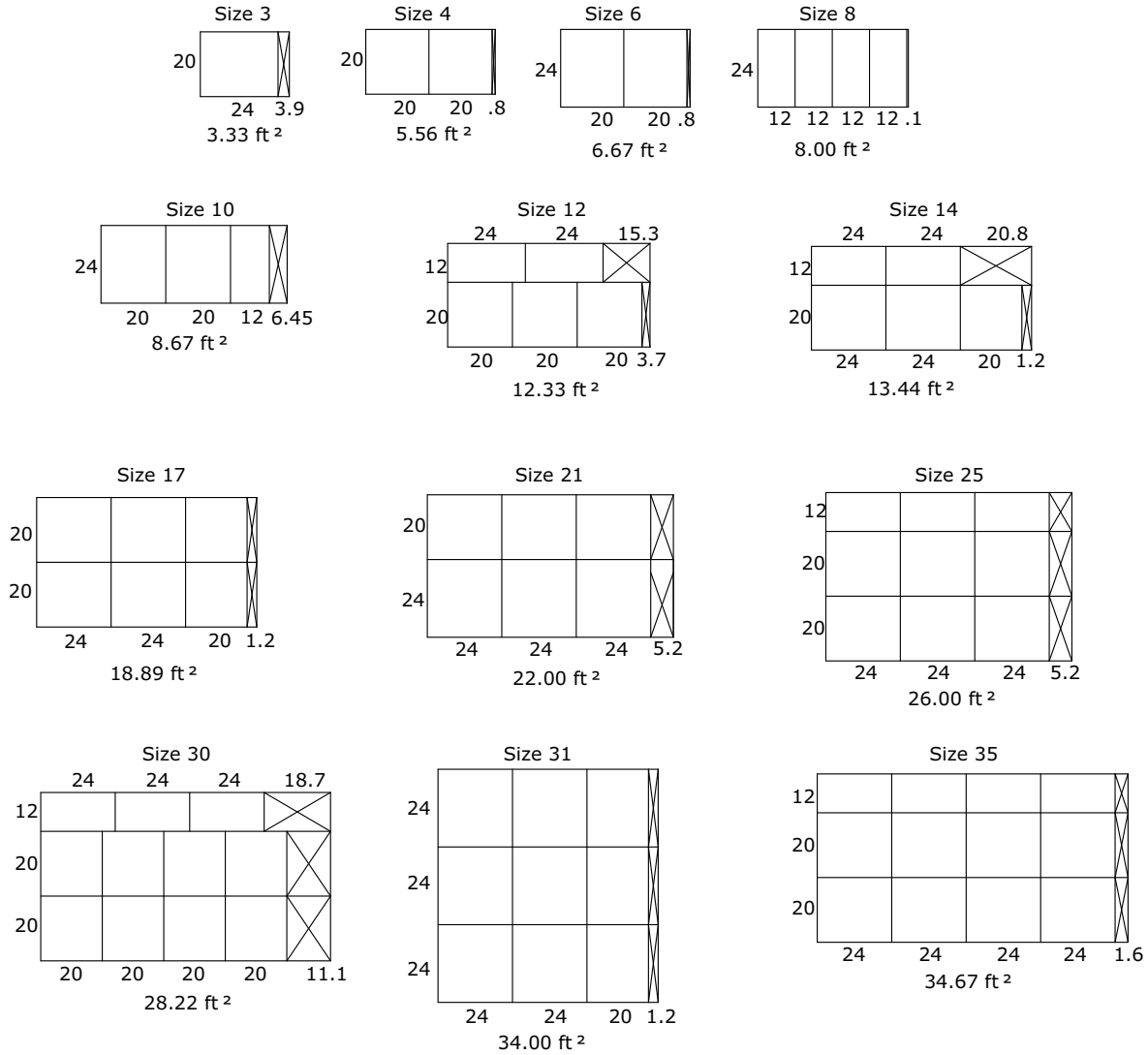
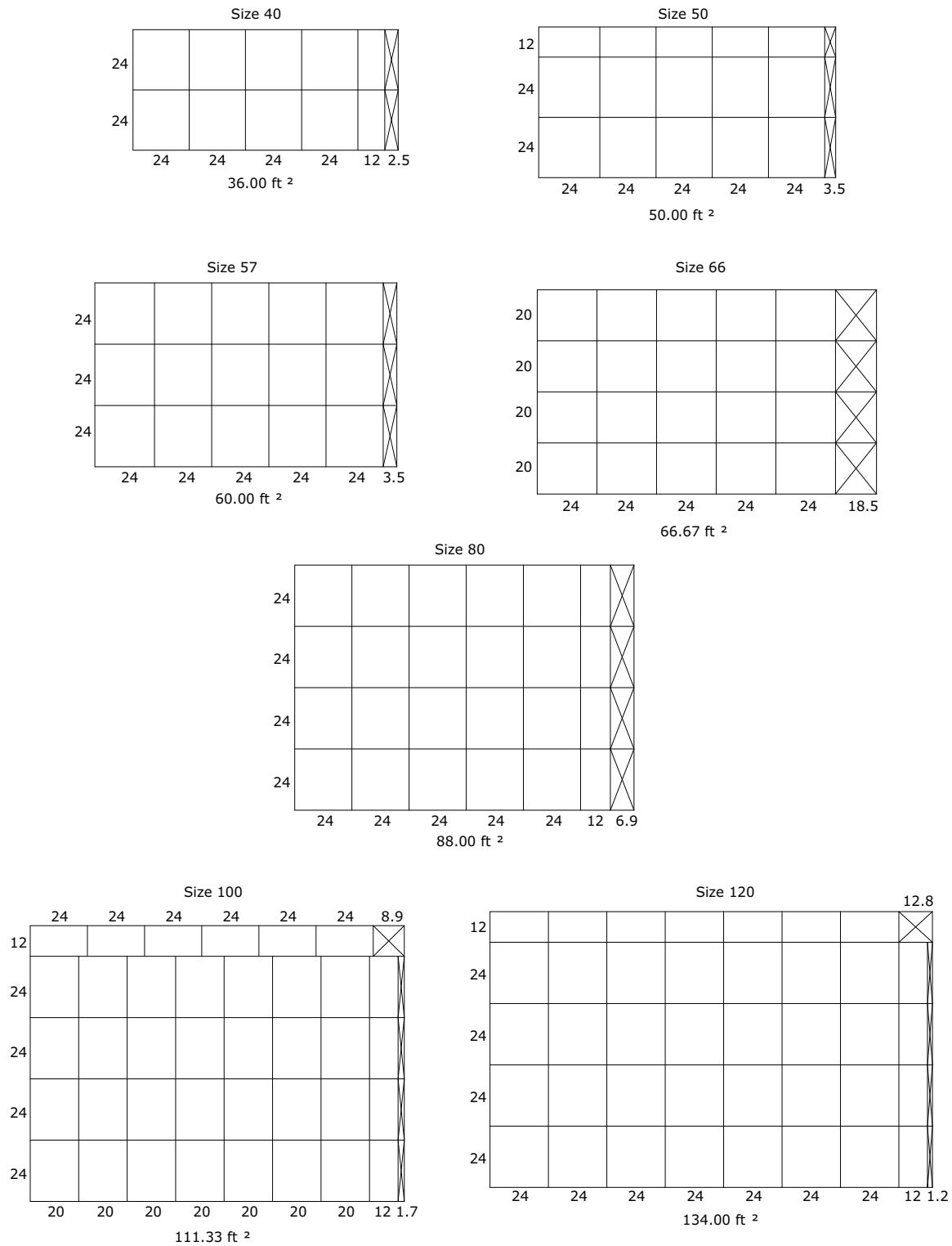


Figure 76. Side loading long bag filter placement for unit sizes 40-120



Side Loading Short Bag Filter Section

Figure 77. Side loading short bag filter section

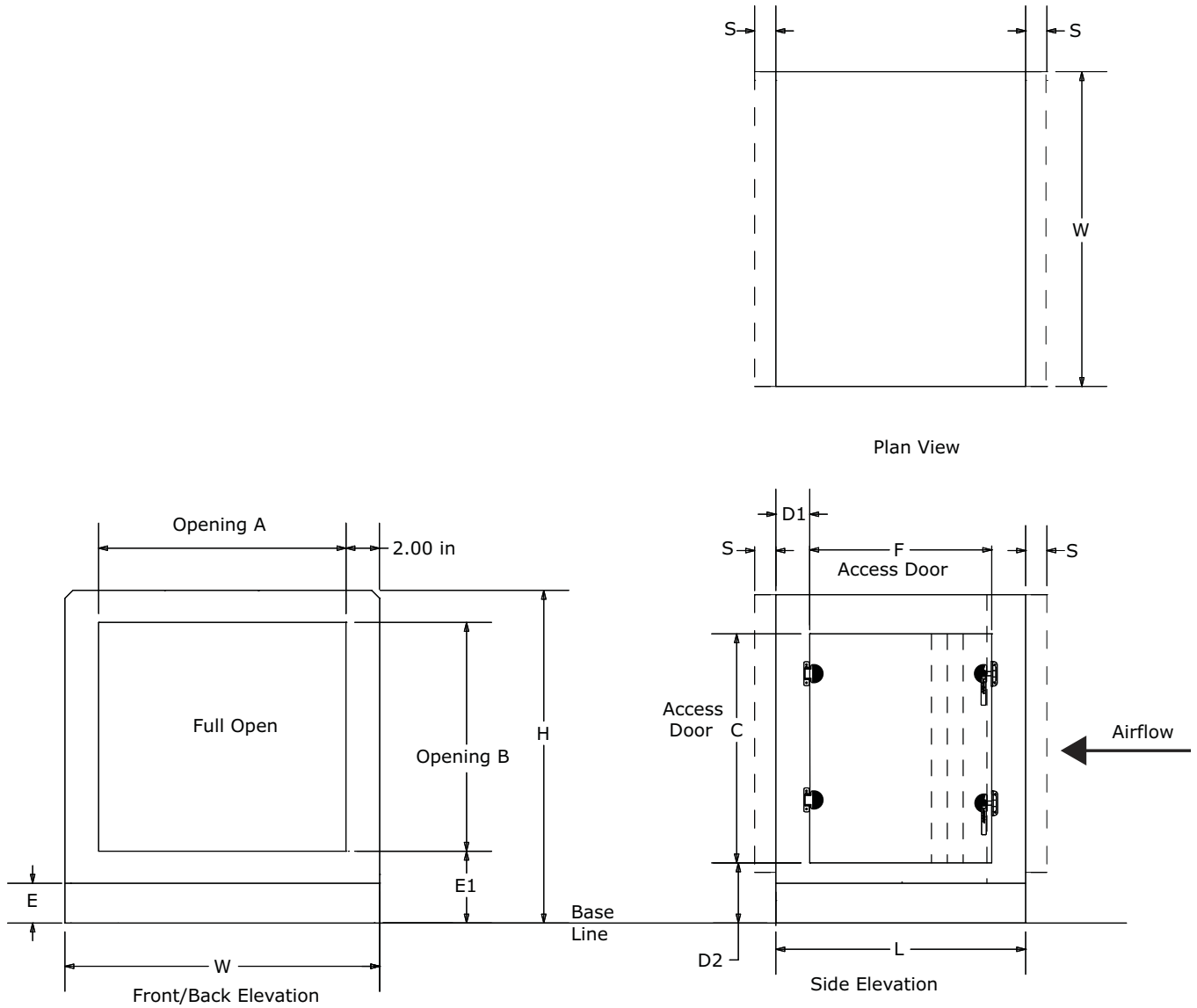


Table 126. Side loading short bag filter dimensions (inches)

Unit Size	W	H	L	Front/Back Opening		Outward Door				Base ²		S ¹
				A	B	C	F	D1	D2	E	E1	
3	31.50	29.00	24.50	27.50	22.50	22.25	20.38	2.13	4.25	2.50	4.50	1.00
4	44.00	29.00	24.50	40.00	22.50	22.25	20.38	2.13	4.25	2.50	4.50	1.00
6	44.00	35.25	24.50	40.00	28.75	28.50	20.38	2.13	4.25	2.50	4.50	1.00
8	50.50	37.75	26.50	46.50	31.25	31.00	22.38	2.13	4.25	2.50	4.50	1.00
10	61.50	37.75	26.50	57.50	31.25	31.00	22.38	2.13	4.25	2.50	4.50	1.00
12	66.50	41.50	26.50	62.50	35.00	34.75	22.38	2.13	4.25	2.50	4.50	1.00
14	72.00	41.50	26.50	68.00	35.00	34.75	22.38	2.13	4.25	2.50	4.50	1.00
17	72.00	49.00	24.50	68.00	42.50	42.25	20.38	2.13	4.25	2.50	4.50	1.00
21	80.00	52.75	24.50	76.00	46.25	46.00	20.38	2.13	4.25	2.50	4.50	1.00
25	80.00	61.50	24.50	76.00	55.00	54.75	20.38	2.13	4.25	2.50	4.50	1.00
30	93.50	61.50	24.50	89.50	55.00	54.75	20.38	2.13	4.25	2.50	4.50	1.00
35	100.00	67.25	24.50	96.00	60.75	60.50	20.38	2.13	4.25	2.50	4.50	1.00
40	112.50	67.25	24.50	108.50	60.75	60.50	20.38	2.13	4.25	2.50	4.50	1.00
50	125.50	75.75	24.50	121.50	69.25	69.00	20.38	2.13	4.25	2.50	4.50	1.00
57	125.50	85.50	24.50	121.50	79.00	78.75	20.38	2.13	4.25	2.50	4.50	1.00
66	140.50	92.50	24.50	136.50	82.50	82.25	20.38	2.13	7.75	6.00	8.00	1.00
80	140.50	107.50	24.50	136.50	97.50	97.25	20.38	2.13	7.75	6.00	8.00	1.00
100	154.50	119.75	24.50	150.50	109.75	109.50	20.38	2.13	7.75	6.00	8.00	1.00
120	182.00	119.75	24.50	178.00	109.75	109.50	20.38	2.13	7.75	6.00	8.00	1.00

Note: ¹ Shipping split flange dimension is for shipping and installation planning purposes only and does not add to installed overall unit length. ² Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120.

Dimensions

Figure 78. Side loading short bag filter placement for unit sizes 3-35

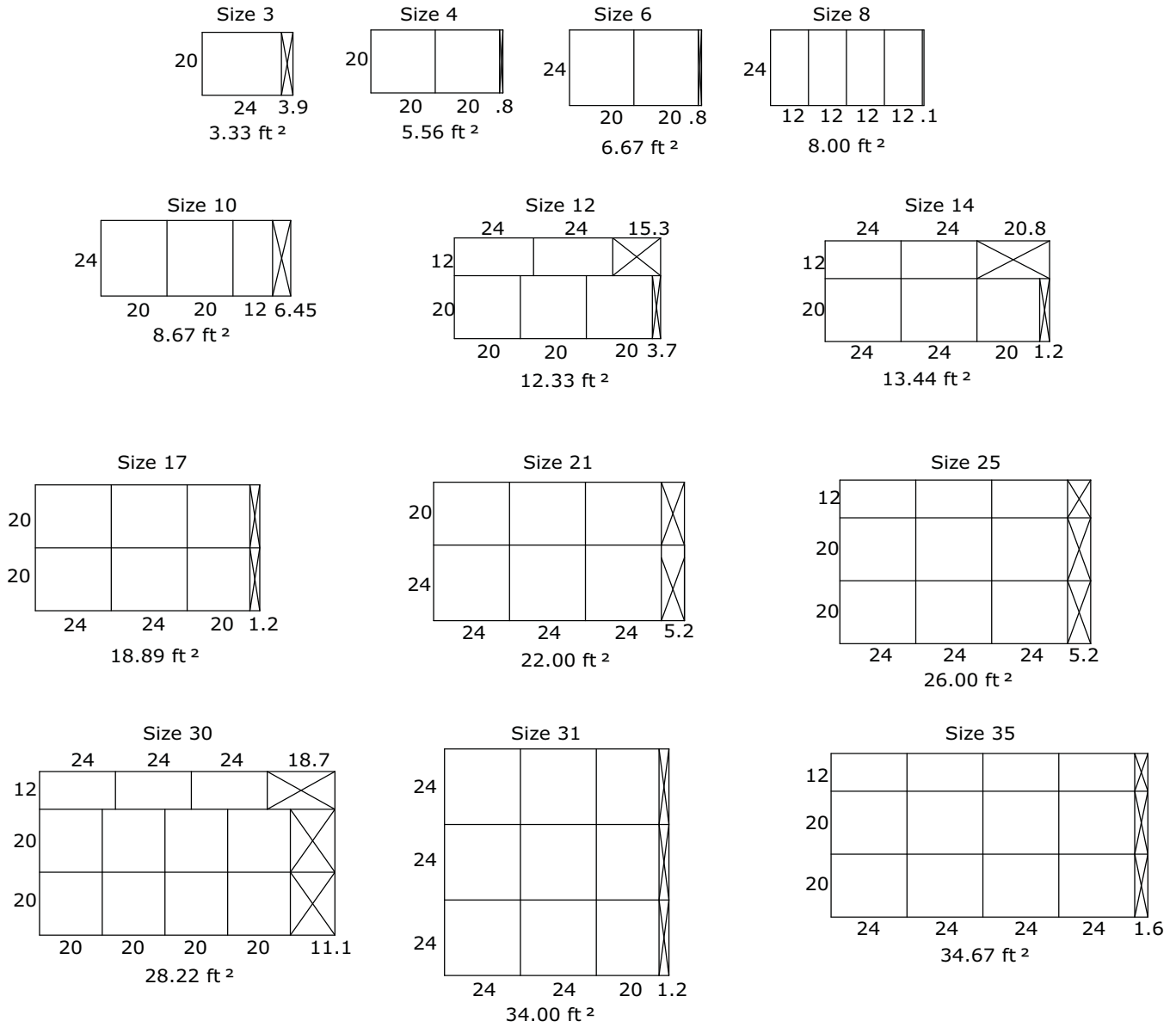
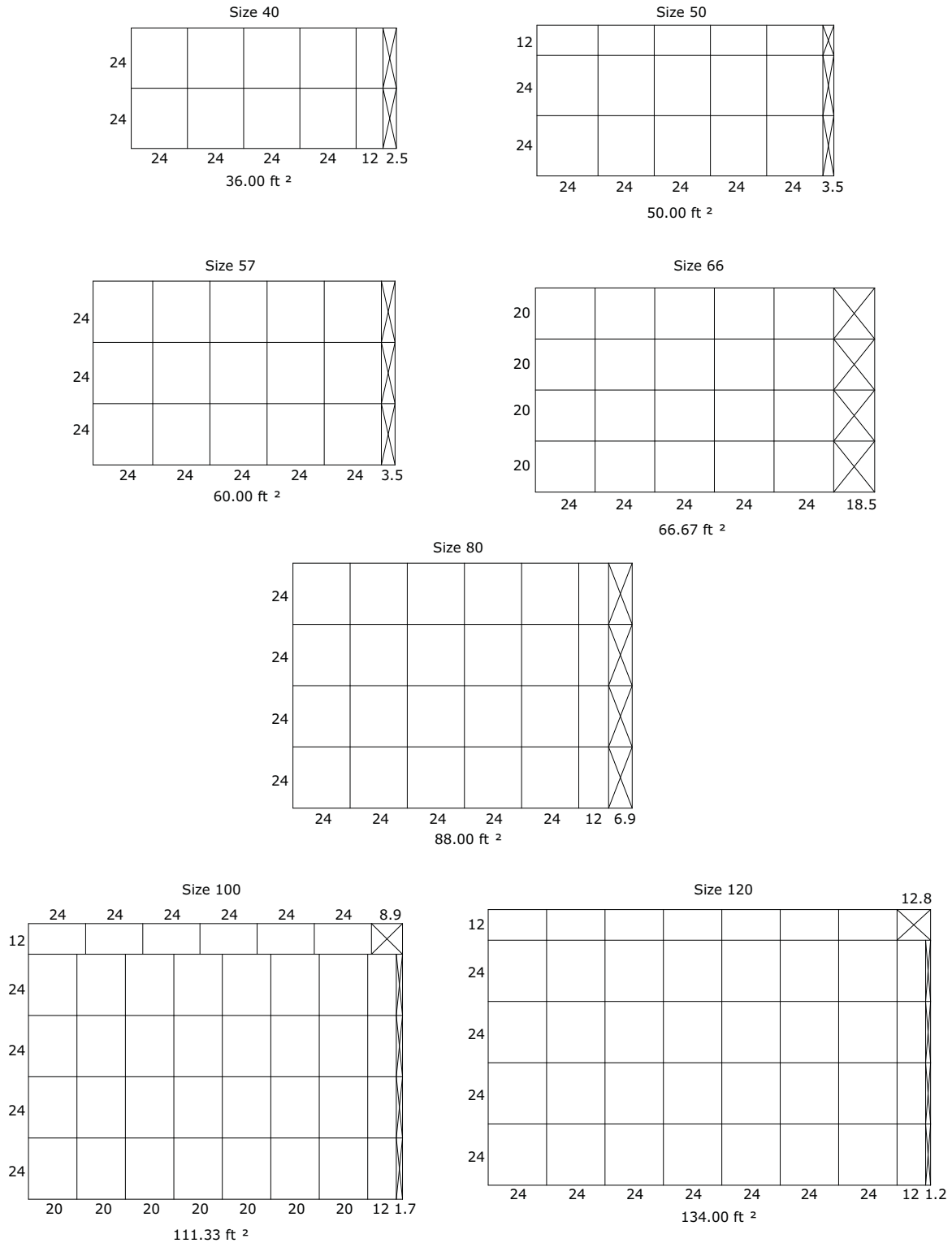


Figure 79. Side loading short bag filter placement for unit sizes 40-120



Dimensions

Side Loading Cartridge Filter Section

Figure 80. Side loading cartridge filter section

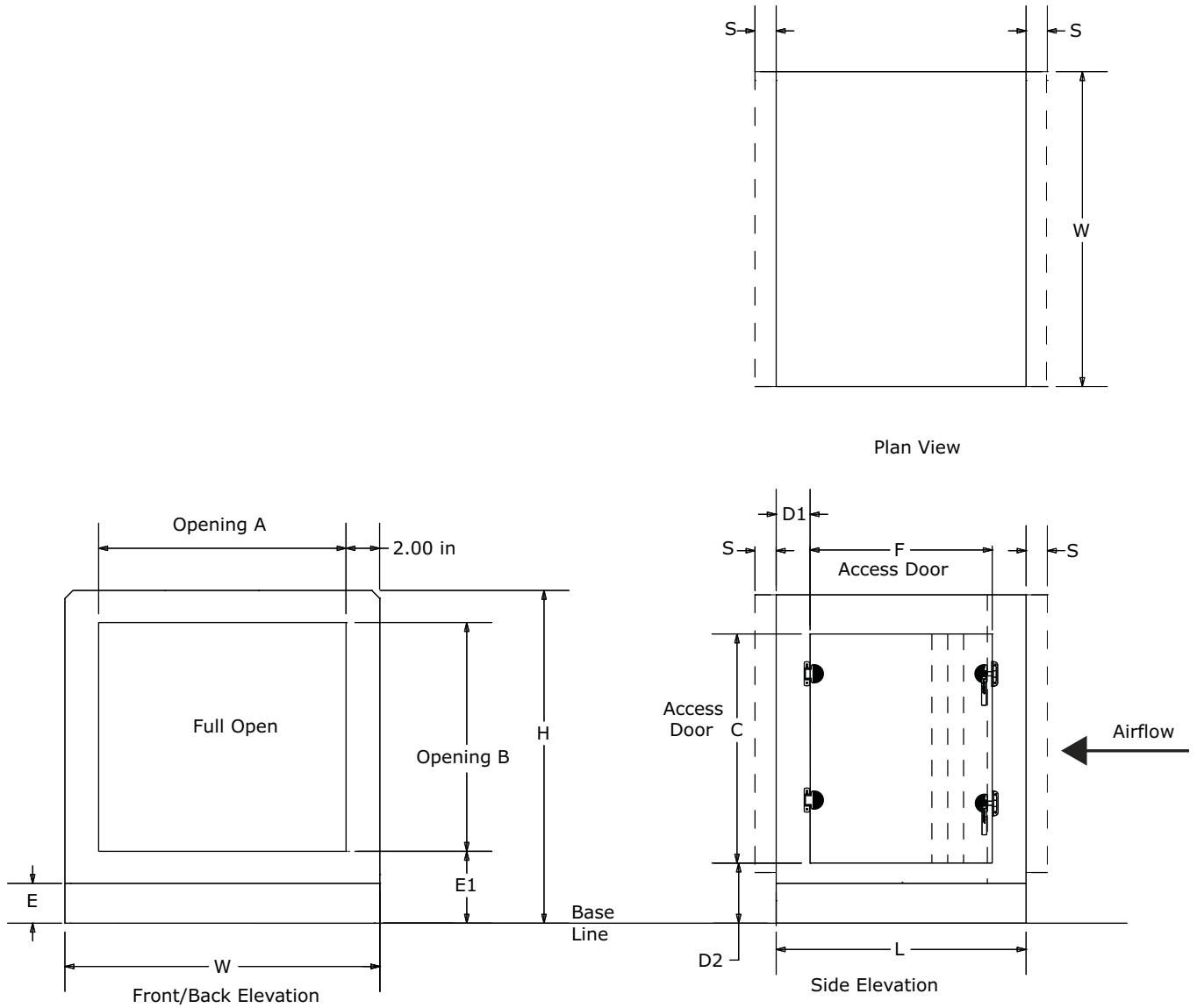


Table 127. Side loading cartridge filter section dimensions (inches)

Unit Size	W	H	L	Front/Back Opening		Outward Door				Base ²		S ¹
				A	B	C	F	D1	D2	E	E1	
3	31.50	29.00	24.50	27.50	22.50	22.25	20.38	2.13	4.25	2.50	4.50	1.00
4	44.00	29.00	24.50	40.00	22.50	22.25	20.38	2.13	4.25	2.50	4.50	1.00
6	44.00	35.25	24.50	40.00	28.75	28.50	20.38	2.13	4.25	2.50	4.50	1.00
8	50.50	37.75	26.50	46.50	31.25	31.00	22.38	2.13	4.25	2.50	4.50	1.00
10	61.50	37.75	26.50	57.50	31.25	31.00	22.38	2.13	4.25	2.50	4.50	1.00
12	66.50	41.50	26.50	62.50	35.00	34.75	22.38	2.13	4.25	2.50	4.50	1.00
14	72.00	41.50	26.50	68.00	35.00	34.75	22.38	2.13	4.25	2.50	4.50	1.00
17	72.00	49.00	24.50	68.00	42.50	42.25	20.38	2.13	4.25	2.50	4.50	1.00
21	80.00	52.75	24.50	76.00	46.25	46.00	20.38	2.13	4.25	2.50	4.50	1.00
25	80.00	61.50	24.50	76.00	55.00	54.75	20.38	2.13	4.25	2.50	4.50	1.00
30	93.50	61.50	24.50	89.50	55.00	54.75	20.38	2.13	4.25	2.50	4.50	1.00
35	100.00	67.25	24.50	96.00	60.75	60.50	20.38	2.13	4.25	2.50	4.50	1.00
40	112.50	67.25	24.50	108.50	60.75	60.50	20.38	2.13	4.25	2.50	4.50	1.00
50	125.50	75.75	24.50	121.50	69.25	69.00	20.38	2.13	4.25	2.50	4.50	1.00
57	125.50	85.50	24.50	121.50	79.00	78.75	20.38	2.13	4.25	2.50	4.50	1.00
66	140.50	92.50	24.50	136.50	82.50	82.25	20.38	2.13	7.75	6.00	8.00	1.00
80	140.50	107.50	24.50	136.50	97.50	97.25	20.38	2.13	7.75	6.00	8.00	1.00
100	154.50	119.75	24.50	150.50	109.75	109.50	20.38	2.13	7.75	6.00	8.00	1.00
120	182.00	119.75	24.50	178.00	109.75	109.50	20.38	2.13	7.75	6.00	8.00	1.00

Note: ¹ Shipping split flange dimension is for shipping and installation planning purposes only and does not add to installed overall unit length. ² Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120.

Dimensions

Figure 81. Side loading cartridge filter placement for unit sizes 3-35

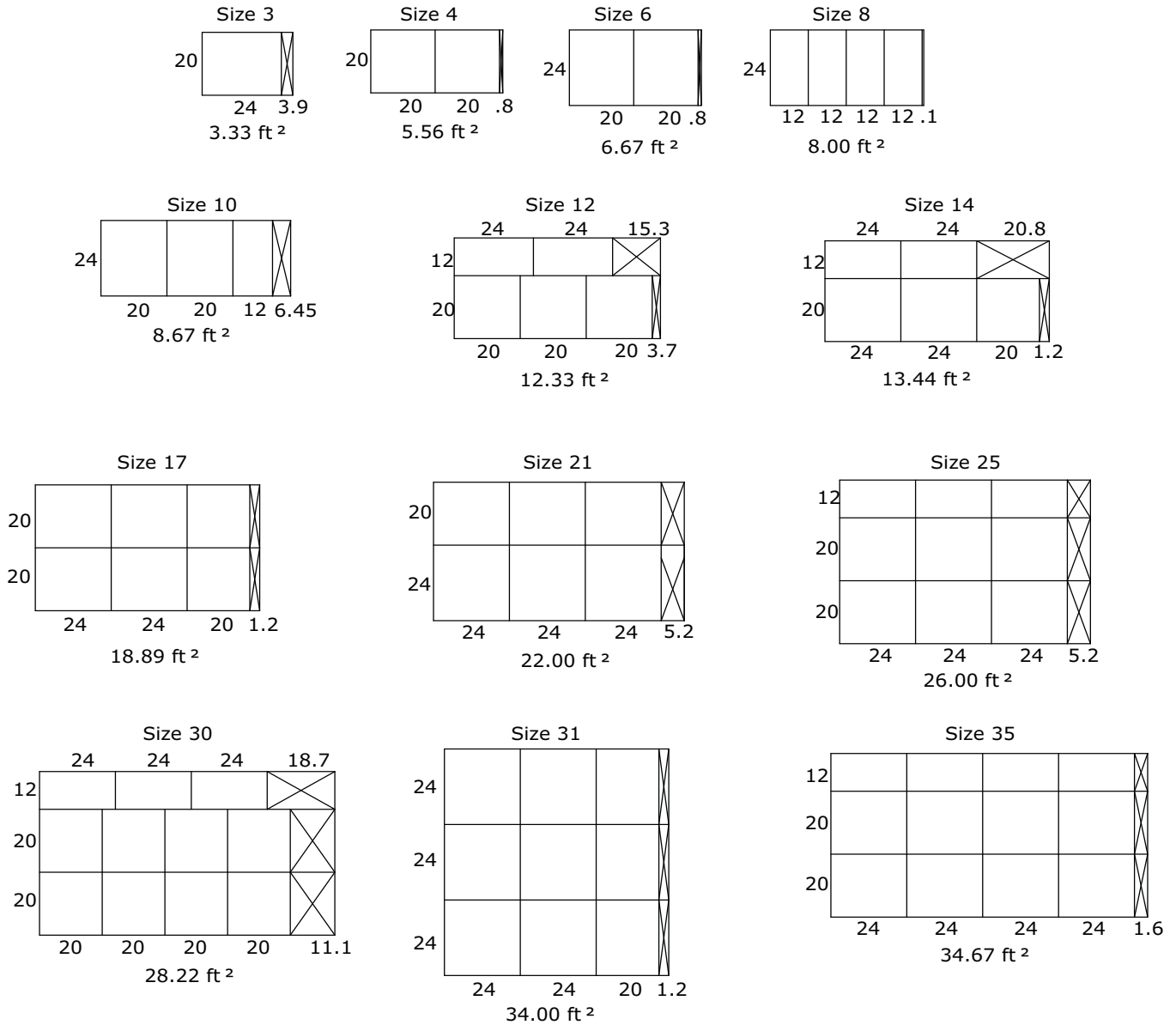
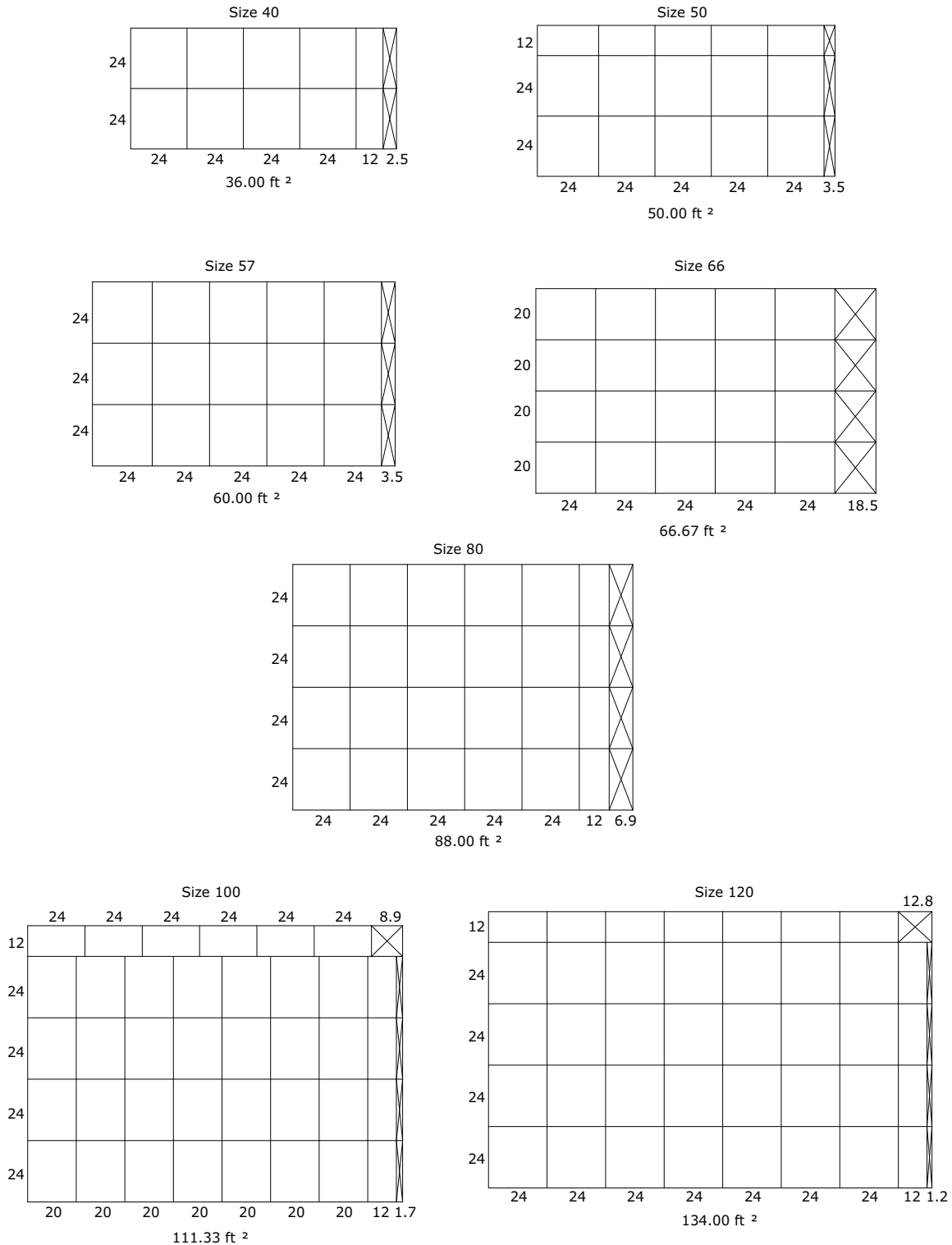


Figure 82. Side loading cartridge filter placement for unit sizes 40-120



Front Loading 2-inch and 4-inch Flat Filter Section

Figure 83. Front loading 2-inch and 4-inch filter section

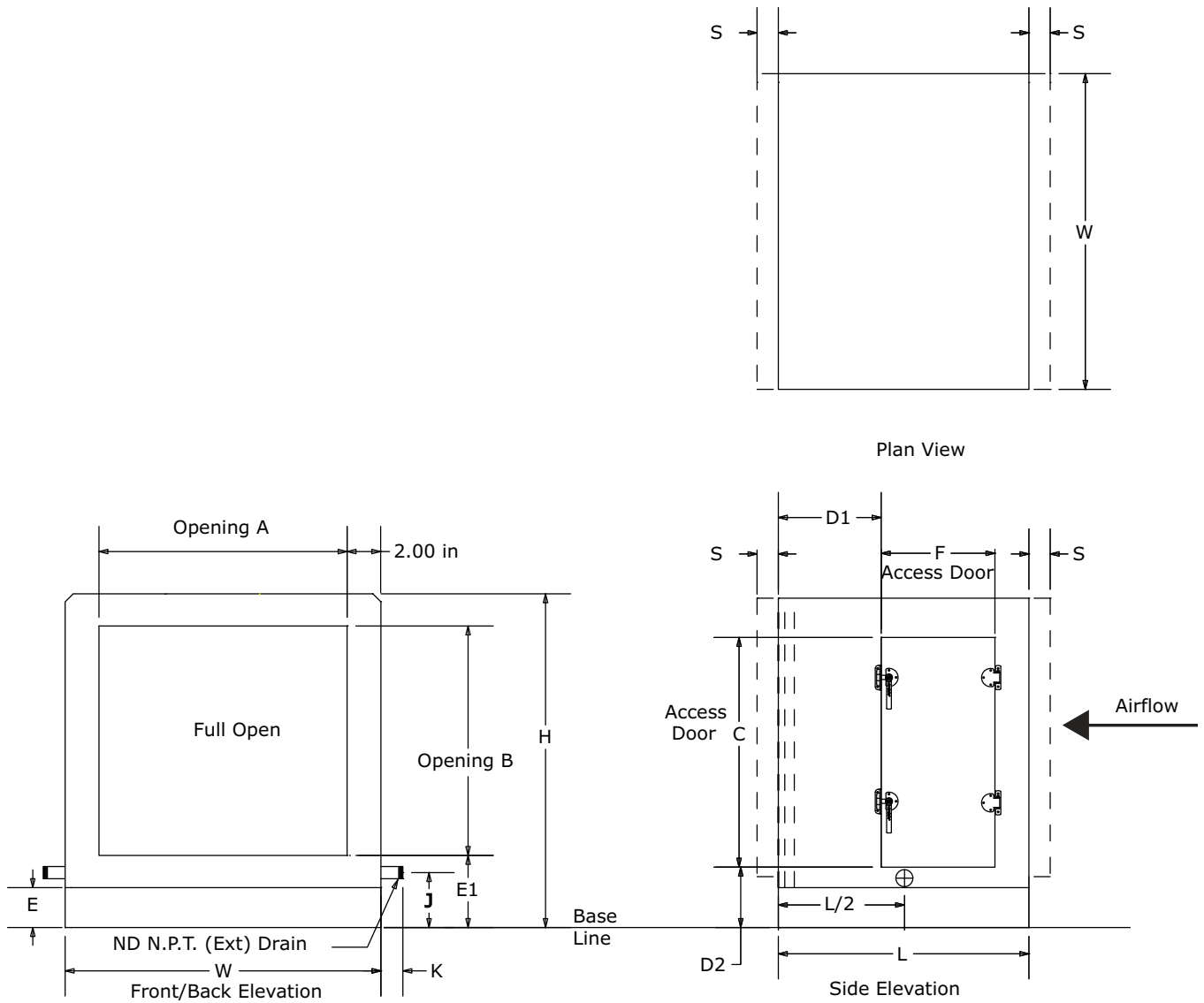


Table 128. Front loading 2-inch and 4-inch filter section dimensions (inches)

Unit Size	Front/Back Opening			Outward Door				Inward Door				Base ²		S ¹		
	W	H	L	A	B	C	F	D1	D2	C	F	D1	D2		E	E1
3	31.50	29.00	38.00	27.50	22.50	22.25	20.38	14.19	4.25	19.38	17.63	18.94	5.38	2.50	4.50	1.00
4	44.00	29.00	38.00	40.00	22.50	22.25	20.38	14.19	4.25	19.38	17.63	18.94	5.38	2.50	4.50	1.00
6	44.00	35.25	38.00	40.00	28.75	28.50	20.38	14.19	4.25	25.63	17.63	18.94	5.38	2.50	4.50	1.00
8	50.50	37.75	38.00	46.50	31.25	31.00	20.38	14.19	4.25	28.13	17.63	18.94	5.38	2.50	4.50	1.00
10	61.50	37.75	38.00	57.50	31.25	31.00	20.38	14.19	4.25	28.13	17.63	18.94	5.38	2.50	4.50	1.00
12	66.50	41.50	38.00	62.50	35.00	34.75	20.38	14.19	4.25	31.88	17.63	18.94	5.38	2.50	4.50	1.00
14	72.00	41.50	38.00	68.00	35.00	34.75	20.38	14.19	4.25	31.88	17.63	18.94	5.38	2.50	4.50	1.00
17	72.00	49.00	38.00	68.00	42.50	42.25	20.38	14.19	4.25	39.38	17.63	18.94	5.38	2.50	4.50	1.00
21	80.00	52.75	38.00	76.00	46.25	46.00	20.38	14.19	4.25	43.13	17.63	18.94	5.38	2.50	4.50	1.00
25	80.00	61.50	38.00	76.00	55.00	54.75	20.38	14.19	4.25	51.88	17.63	18.94	5.38	2.50	4.50	1.00
30	93.50	61.50	38.00	89.50	55.00	54.75	20.38	14.19	4.25	51.88	17.63	18.94	5.38	2.50	4.50	1.00
35	100.00	67.25	40.00	96.00	60.75	60.50	20.38	16.19	4.25	57.63	17.63	18.94	5.38	2.50	4.50	1.00
40	112.50	67.25	40.00	108.50	60.75	60.50	20.38	16.19	4.25	57.63	17.63	18.94	5.38	2.50	4.50	1.00
50	125.50	75.75	40.00	121.50	69.25	60.50	20.38	16.19	4.25	66.13	17.63	18.94	5.38	2.50	4.50	1.00
57	125.50	85.50	40.00	121.50	79.00	60.50	20.38	16.19	4.25	57.63	17.63	18.94	5.38	2.50	4.50	1.00
66	140.50	92.50	40.00	136.50	82.50	60.50	20.38	16.19	7.75	57.63	17.63	18.94	8.88	6.00	8.00	1.00
80	140.50	107.50	40.00	136.50	97.50	60.50	20.38	16.19	7.75	57.63	17.63	18.94	8.88	6.00	8.00	1.00
100	154.50	119.75	40.00	150.50	109.75	60.50	20.38	16.19	7.75	57.63	17.63	18.94	8.88	6.00	8.00	1.00
120	182.00	119.75	40.00	178.00	109.75	60.50	20.38	16.19	7.75	57.63	17.63	18.94	8.88	6.00	8.00	1.00

Note: ¹ Shipping split flange dimension is for shipping and installation planning purposes only and does not add to installed overall unit length. ² Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120.



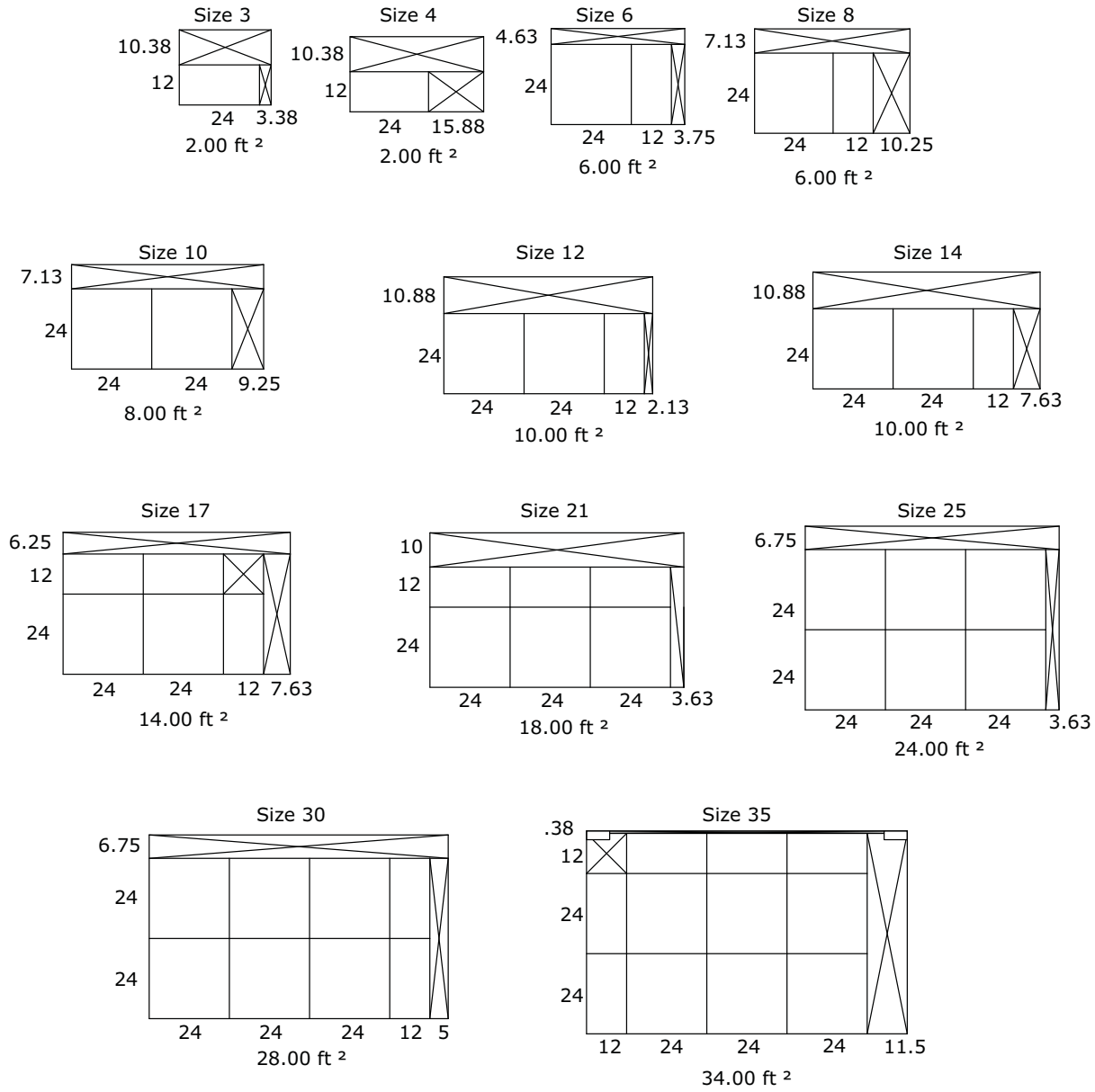
Dimensions

Table 129. Front loading 2-inch and 4-inch filter section without door dimensions (inches)

Unit size	W	H	L	Front/Back Opening		Base ²		S ¹
				A	B	E	E1	
3	31.50	29.00	10.00	27.50	22.50	2.50	4.50	1.00
4	44.00	29.00	10.00	40.00	22.50	2.50	4.50	1.00
6	44.00	35.25	10.00	40.00	28.75	2.50	4.50	1.00
8	50.50	37.75	10.00	46.50	31.25	2.50	4.50	1.00
10	61.50	37.75	10.00	57.50	31.25	2.50	4.50	1.00
12	66.50	41.50	10.00	62.50	35.00	2.50	4.50	1.00
14	72.00	41.50	10.00	68.00	35.00	2.50	4.50	1.00
17	72.00	49.00	10.00	68.00	42.50	2.50	4.50	1.00
21	80.00	52.75	10.00	76.00	46.25	2.50	4.50	1.00
25	80.00	61.50	10.00	76.00	55.00	2.50	4.50	1.00
30	93.50	61.50	10.00	89.50	55.00	2.50	4.50	1.00
35	100.00	67.25	14.00	96.00	60.75	2.50	4.50	1.00
40	112.50	67.25	14.00	108.50	60.75	2.50	4.50	1.00
50	125.50	75.75	14.00	121.50	69.25	2.50	4.50	1.00
57	125.50	85.50	14.00	121.50	79.00	2.50	4.50	1.00
66	140.50	92.50	14.00	136.50	82.50	6.00	8.00	1.00
80	140.50	107.50	14.00	136.50	97.50	6.00	8.00	1.00
100	154.50	119.80	14.00	150.50	109.75	6.00	8.00	1.00
120	182.00	119.80	14.00	178.00	109.75	6.00	8.00	1.00

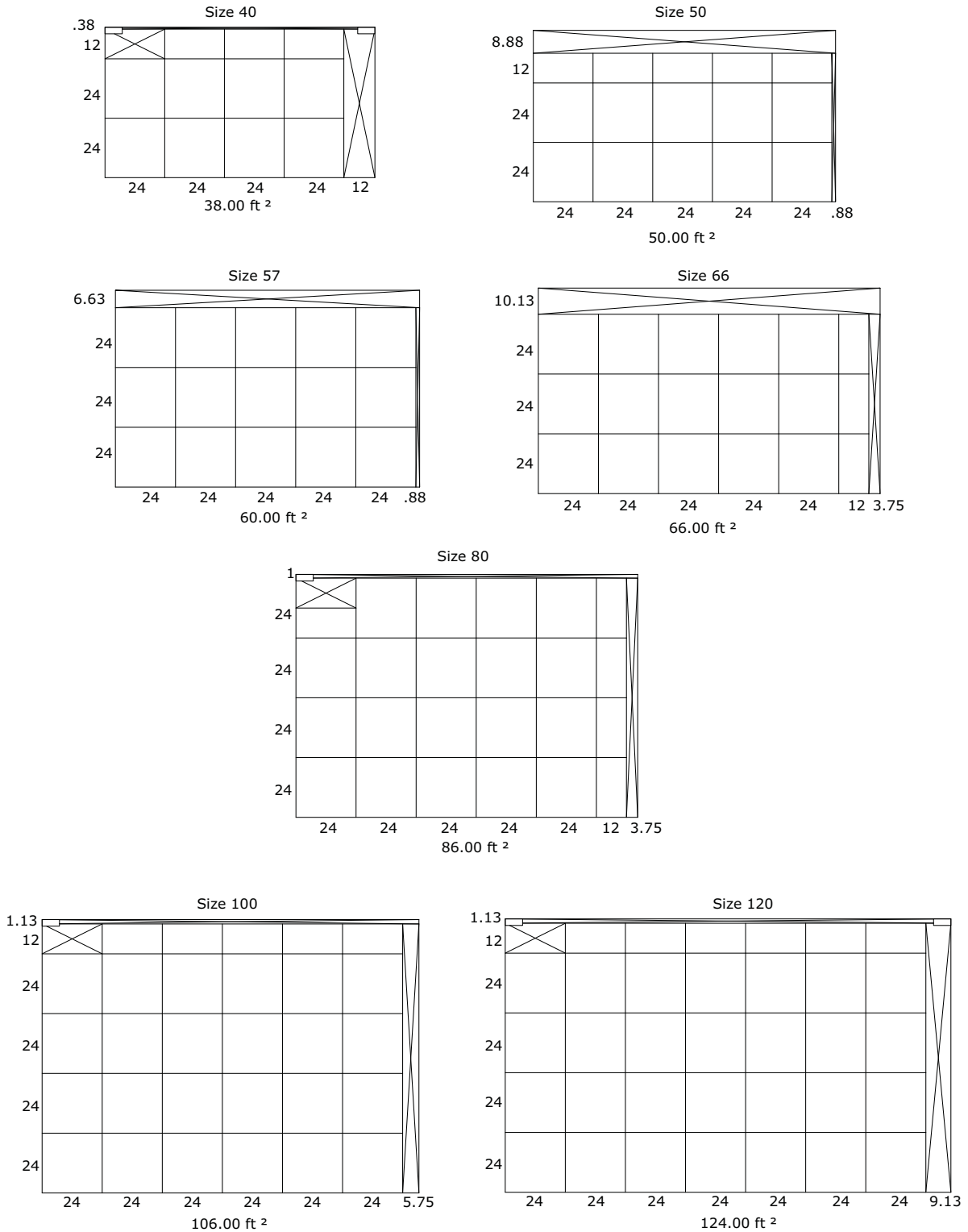
Note: ¹ Shipping split flange dimension is for shipping and installation planning purposes only and does not add to installed overall unit length. ² Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120.

Figure 84. Front loading 2-inch and 4-inch filter placement for unit size 3-35



Dimensions

Figure 85. Front loading 2-inch and 4-inch flat filter placement for unit size 40-120



Front Loading Short Bag Filter Section

Table 130. Front loading short bag filter dimensions (inches)

Unit Size	W	H	L	Front/Back Opening		Outward Door				Inward Door				Base ²		
				A	B	C	F	D1	D2	C	F	D1	D2	E	E1	S ¹
3	31.50	29.00	45.00	27.50	22.50	22.25	20.38	21.19	4.25	19.38	17.63	23.94	5.38	2.50	4.50	1.00
4	44.00	29.00	45.00	40.00	22.50	22.25	20.38	21.19	4.25	19.38	17.63	23.94	5.38	2.50	4.50	1.00
6	44.00	35.25	45.00	40.00	28.75	28.50	20.38	21.19	4.25	25.63	17.63	23.94	5.38	2.50	4.50	1.00
8	50.50	37.75	45.00	46.50	31.25	31.00	20.38	21.19	4.25	28.13	17.63	23.94	5.38	2.50	4.50	1.00
10	61.50	37.75	45.00	57.50	31.25	31.00	20.38	21.19	4.25	28.13	17.63	23.94	5.38	2.50	4.50	1.00
12	66.50	41.50	45.00	62.50	35.00	34.75	20.38	21.19	4.25	31.88	17.63	23.94	5.38	2.50	4.50	1.00
14	72.00	41.50	45.00	68.00	35.00	34.75	20.38	21.19	4.25	31.88	17.63	23.94	5.38	2.50	4.50	1.00
17	72.00	49.00	45.00	68.00	42.50	42.25	20.38	21.19	4.25	39.38	17.63	23.94	5.38	2.50	4.50	1.00
21	80.00	52.75	45.00	76.00	46.25	46.00	20.38	21.19	4.25	43.13	17.63	23.94	5.38	2.50	4.50	1.00
25	80.00	61.50	45.00	76.00	55.00	54.75	20.38	21.19	4.25	51.90	17.63	23.94	5.38	2.50	4.50	1.00
30	93.50	61.50	45.00	89.50	55.00	54.75	20.38	21.19	4.25	51.90	17.63	23.94	5.38	2.50	4.50	1.00
35	100.00	67.25	45.00	96.00	60.75	60.50	20.38	21.19	4.25	57.60	17.63	23.94	5.38	2.50	4.50	1.00
40	112.50	67.25	45.00	108.50	60.75	60.50	20.38	21.19	4.25	57.60	17.63	23.94	5.38	2.50	4.50	1.00
50	125.50	75.75	45.00	121.50	69.25	60.50	20.38	21.19	4.25	66.10	17.63	23.94	5.38	2.50	4.50	1.00
57	125.50	85.50	45.00	121.50	79.00	60.50	20.38	21.19	4.25	57.60	17.63	23.94	5.38	2.50	4.50	1.00
66	140.50	92.50	45.00	136.50	82.50	60.50	20.38	21.19	7.75	57.63	17.63	23.94	8.88	6.00	8.00	1.00
80	140.50	107.50	45.00	136.50	97.50	60.50	20.38	21.19	7.75	57.63	17.63	23.94	8.88	6.00	8.00	1.00
100	154.50	119.75	45.00	150.50	109.75	60.50	20.38	21.19	7.75	57.63	17.63	23.94	8.88	6.00	8.00	1.00
120	182.00	119.75	45.00	178.00	109.75	60.50	20.38	21.19	7.75	57.63	17.63	23.94	8.88	6.00	8.00	1.00

Note: ¹ Shipping split flange dimension is for shipping and installation planning purposes only and does not add to installed overall unit length. ² Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120.

Table 131. Front loading short bag filter without door dimensions (inches)

Unit size	W	H	L	Front/Back Opening		Base ²		S ¹
				A	B	E	E1	
3	31.50	29.00	26.50	27.50	22.50	2.50	4.50	1.00
4	44.00	29.00	26.50	40.00	22.50	2.50	4.50	1.00
6	44.00	35.25	26.50	40.00	28.75	2.50	4.50	1.00
8	50.50	37.75	26.50	46.50	31.25	2.50	4.50	1.00
10	61.50	37.75	26.50	57.50	31.25	2.50	4.50	1.00
12	66.50	41.50	26.50	62.50	35.00	2.50	4.50	1.00
14	72.00	41.50	26.50	68.00	35.00	2.50	4.50	1.00
17	72.00	49.00	26.50	68.00	42.50	2.50	4.50	1.00
21	80.00	52.75	26.50	76.00	46.25	2.50	4.50	1.00
25	80.00	61.50	26.50	76.00	55.00	2.50	4.50	1.00
30	93.50	61.50	26.50	89.50	55.00	2.50	4.50	1.00
35	100.00	67.25	28.50	96.00	60.75	2.50	4.50	1.00
40	112.50	67.25	28.50	108.50	60.75	2.50	4.50	1.00
50	125.50	75.75	28.50	121.50	69.25	2.50	4.50	1.00
57	125.50	85.50	28.50	121.50	79.00	2.50	4.50	1.00
66	140.50	92.50	28.50	136.50	82.50	6.00	8.00	1.00
80	140.50	107.50	28.50	136.50	97.50	6.00	8.00	1.00
100	154.50	119.80	28.50	150.50	109.75	6.00	8.00	1.00
120	182.00	119.80	28.50	178.00	109.75	6.00	8.00	1.00

Note: ¹ Shipping split flange dimension is for shipping and installation planning purposes only and does not add to installed overall unit length. ² Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120.

Dimensions

Figure 86. Front-load short bag filter placement for unit size 3-35

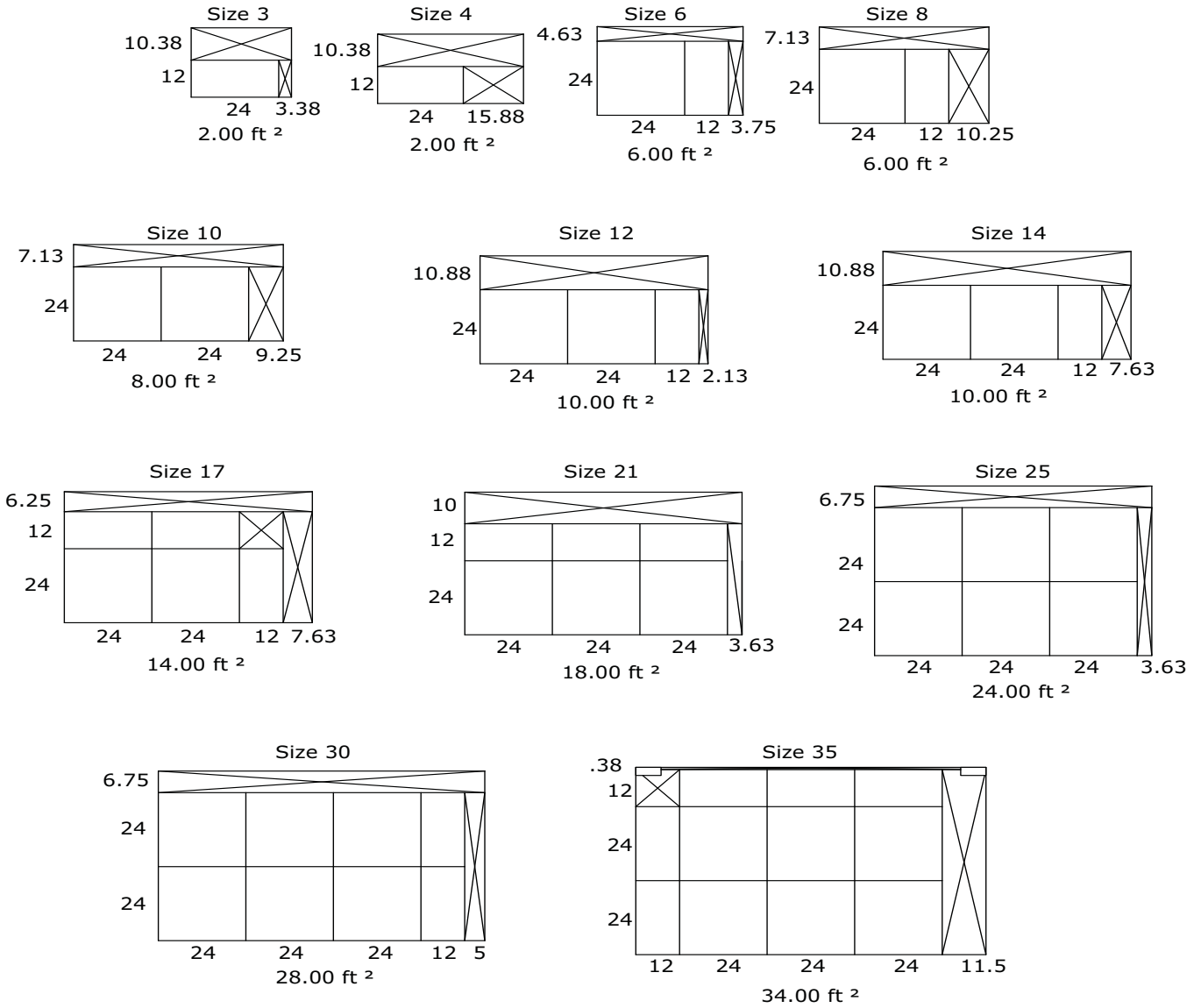
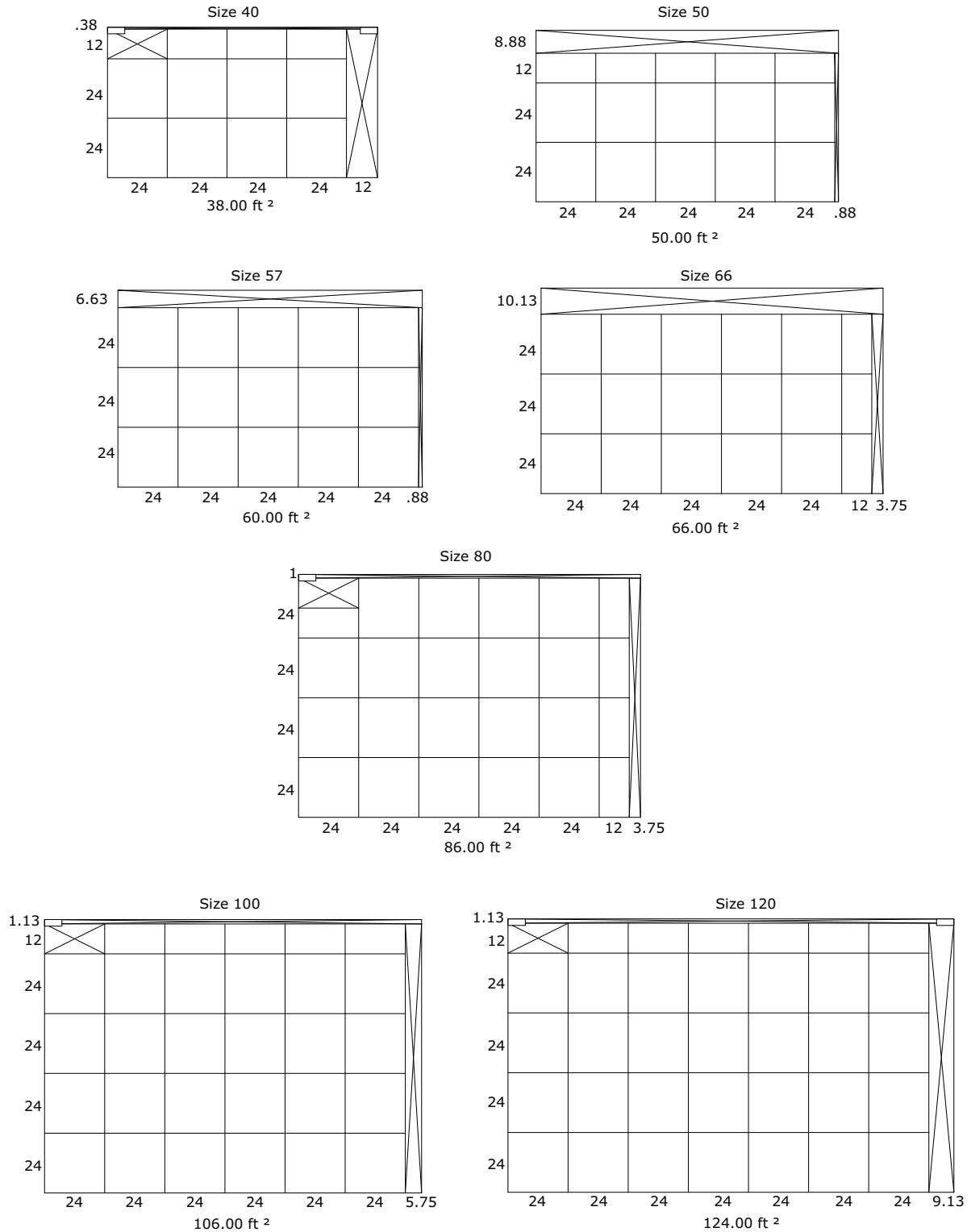


Figure 87. Front-loading short bag filter placement for unit size 40-120



Dimensions

Front Loading Cartridge Filter Section

Figure 88. Front loading cartridge filter section

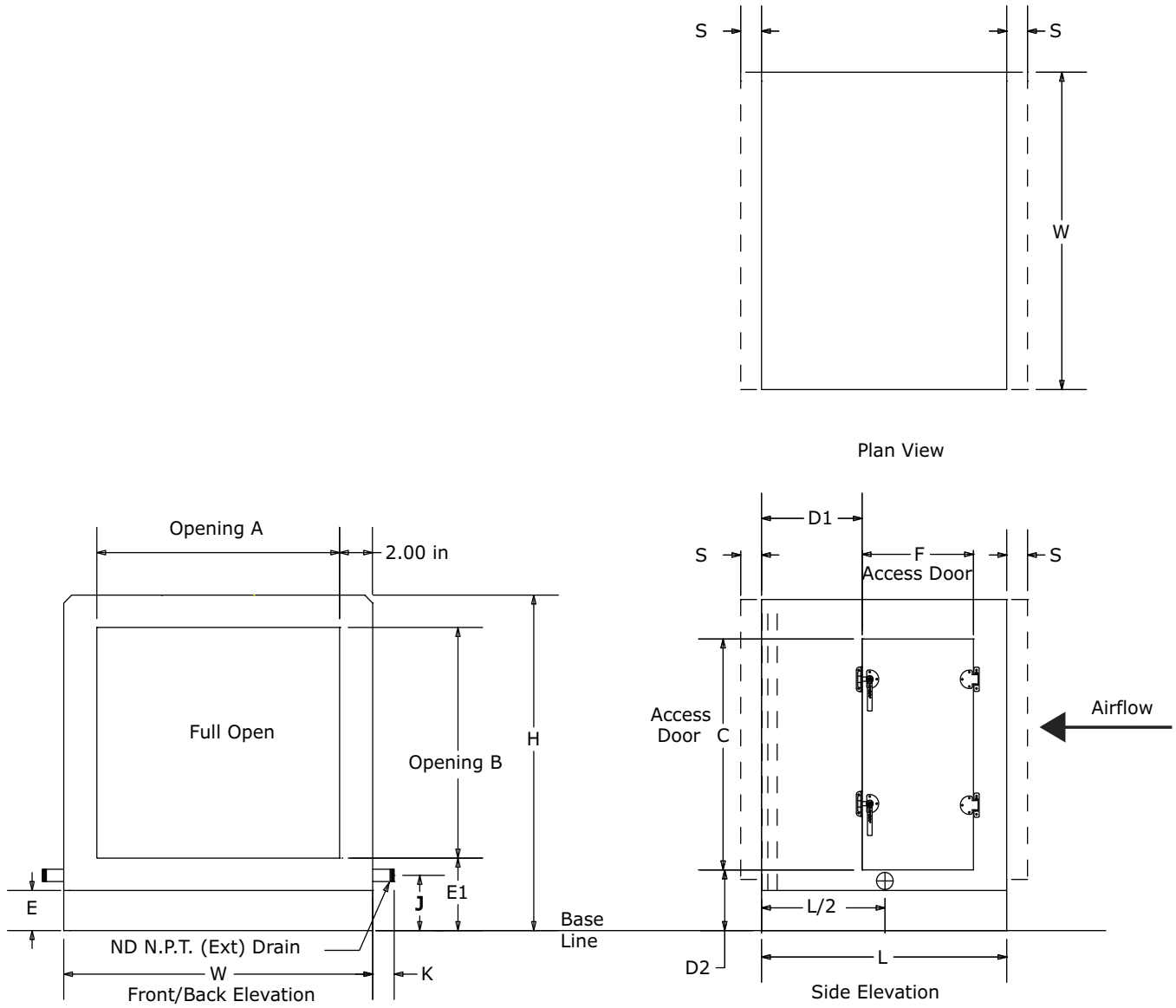


Table 132. Front loading cartridge filter section dimensions (inches)

Unit Size	Front/Back Opening			Outward Door				Inward Door				Base ²		S ¹		
	W	H	L	A	B	C	F	D1	D2	C	F	D1	D2		E	E1
3	31.50	29.00	38.00	27.50	22.50	22.25	20.38	14.19	4.25	19.38	17.63	18.94	5.38	2.50	4.50	1.00
4	44.00	29.00	38.00	40.00	22.50	22.25	20.38	14.19	4.25	19.38	17.63	18.94	5.38	2.50	4.50	1.00
6	44.00	35.25	38.00	40.00	28.75	28.50	20.38	14.19	4.25	25.63	17.63	18.94	5.38	2.50	4.50	1.00
8	50.50	37.75	38.00	46.50	31.25	31.00	20.38	14.19	4.25	28.13	17.63	18.94	5.38	2.50	4.50	1.00
10	61.50	37.75	38.00	57.50	31.25	31.00	20.38	14.19	4.25	28.13	17.63	18.94	5.38	2.50	4.50	1.00
12	66.50	41.50	38.00	62.50	35.00	34.75	20.38	14.19	4.25	31.88	17.63	18.94	5.38	2.50	4.50	1.00
14	72.00	41.50	38.00	68.00	35.00	34.75	20.38	14.19	4.25	31.88	17.63	18.94	5.38	2.50	4.50	1.00
17	72.00	49.00	38.00	68.00	42.50	42.25	20.38	14.19	4.25	39.38	17.63	18.94	5.38	2.50	4.50	1.00
21	80.00	52.75	38.00	76.00	46.25	46.00	20.38	14.19	4.25	43.13	17.63	18.94	5.38	2.50	4.50	1.00
25	80.00	61.50	38.00	76.00	55.00	54.75	20.38	14.19	4.25	51.88	17.63	18.94	5.38	2.50	4.50	1.00
30	93.50	61.50	38.00	89.50	55.00	54.75	20.38	14.19	4.25	51.88	17.63	18.94	5.38	2.50	4.50	1.00
35	100.00	67.25	40.00	96.00	60.75	60.50	20.38	16.19	4.25	57.63	17.63	18.94	5.38	2.50	4.50	1.00
40	112.50	67.25	40.00	108.50	60.75	60.50	20.38	16.19	4.25	57.63	17.63	18.94	5.38	2.50	4.50	1.00
50	125.50	75.75	40.00	121.50	69.25	60.50	20.38	16.19	4.25	66.13	17.63	18.94	5.38	2.50	4.50	1.00
57	125.50	85.50	40.00	121.50	79.00	60.50	20.38	16.19	4.25	57.63	17.63	18.94	5.38	2.50	4.50	1.00
66	140.50	92.50	40.00	136.50	82.50	60.50	20.38	16.19	7.75	57.63	17.63	18.94	8.88	6.00	8.00	1.00
80	140.50	107.50	40.00	136.50	97.50	60.50	20.38	16.19	7.75	57.63	17.63	18.94	8.88	6.00	8.00	1.00
100	154.50	119.75	40.00	150.50	109.75	60.50	20.38	16.19	7.75	57.63	17.63	18.94	8.88	6.00	8.00	1.00
120	182.00	119.75	40.00	178.00	109.75	60.50	20.38	16.19	7.75	57.63	17.63	18.94	8.88	6.00	8.00	1.00

Note: ¹ Shipping split flange dimension is for shipping and installation planning purposes only and does not add to installed overall unit length. ² Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120.



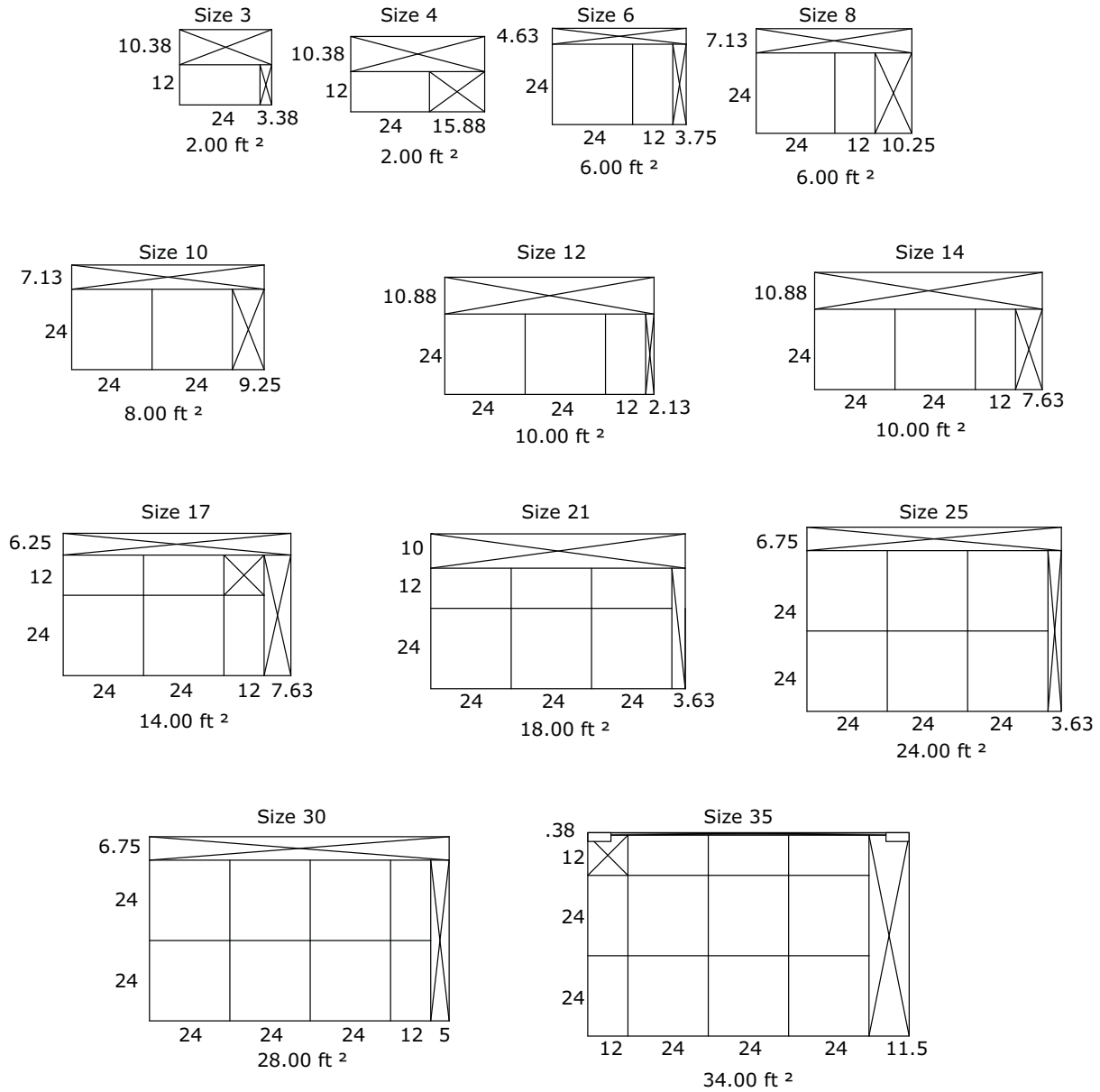
Dimensions

Table 133. Front loading cartridge filter section without door dimensions (inches)

Unit size	W	H	L	Front/Back Opening		Base ²		S ¹
				A	B	E	E1	
3	31.50	29.00	19.00	27.50	22.50	2.50	4.50	1.00
4	44.00	29.00	19.00	40.00	22.50	2.50	4.50	1.00
6	44.00	35.25	19.00	40.00	28.75	2.50	4.50	1.00
8	50.50	37.75	19.00	46.50	31.25	2.50	4.50	1.00
10	61.50	37.75	19.00	57.50	31.25	2.50	4.50	1.00
12	66.50	41.50	19.00	62.50	35.00	2.50	4.50	1.00
14	72.00	41.50	19.00	68.00	35.00	2.50	4.50	1.00
17	72.00	49.00	19.00	68.00	42.50	2.50	4.50	1.00
21	80.00	52.75	19.00	76.00	46.25	2.50	4.50	1.00
25	80.00	61.50	19.00	76.00	55.00	2.50	4.50	1.00
30	93.50	61.50	19.00	89.50	55.00	2.50	4.50	1.00
35	100.00	67.25	24.00	96.00	60.75	2.50	4.50	1.00
40	112.50	67.25	24.00	108.50	60.75	2.50	4.50	1.00
50	125.50	75.75	24.00	121.50	69.25	2.50	4.50	1.00
57	125.50	85.50	24.00	121.50	79.00	2.50	4.50	1.00
66	140.50	92.50	24.00	136.50	82.50	6.00	8.00	1.00
80	140.50	107.50	24.00	136.50	97.50	6.00	8.00	1.00
100	154.50	119.80	24.00	150.50	109.75	6.00	8.00	1.00
120	182.00	119.80	24.00	178.00	109.75	6.00	8.00	1.00

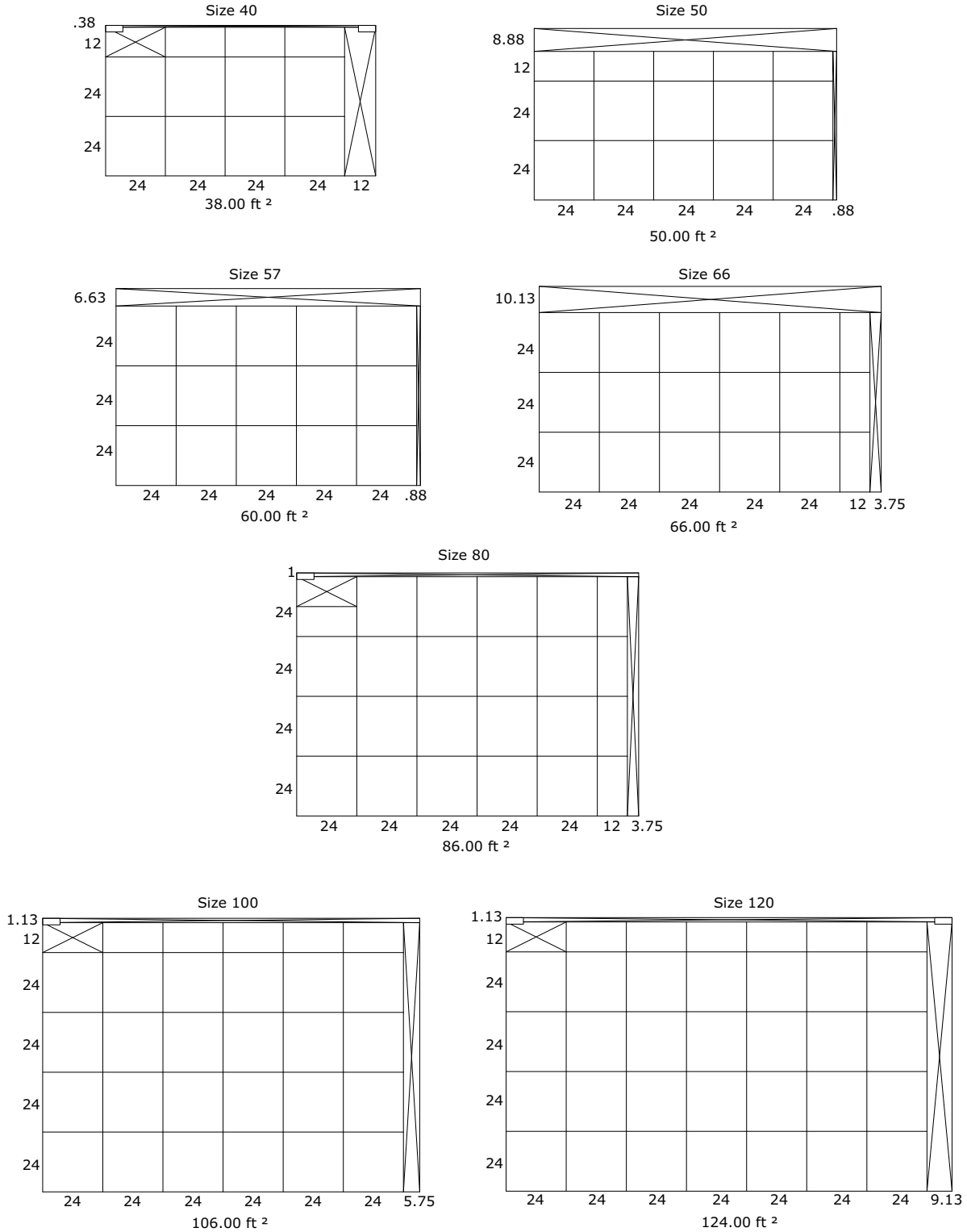
Note: ¹ Shipping split flange dimension is for shipping and installation planning purposes only and does not add to installed overall unit length. ² Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120.

Figure 89. Front loading cartridge filter placement for unit size 3-35



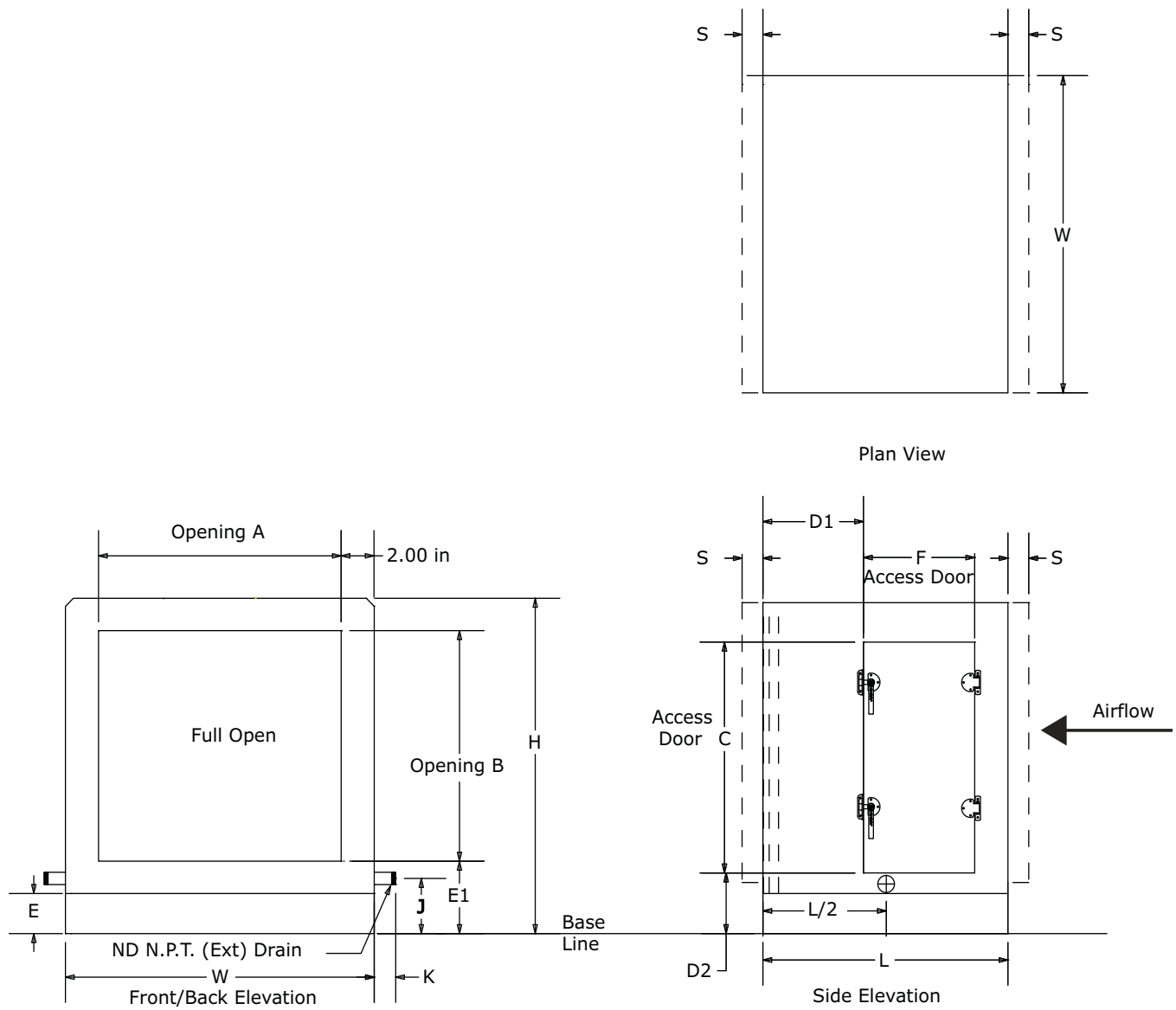
Dimensions

Figure 90. Front loading cartridge filter placement for unit size 40-120



Front Loading HEPA Filter Section

Figure 91. Front loading HEPA filter section





Dimensions

Table 134. Front loading HEPA filter section dimensions (inches)

Unit Size	Front/Back Opening			Outward Door				Inward Door				Base ²				
	W	H	L	A	B	C	F	D1	D2	C	F	D1	D2	E	E1	S ¹
3	31.50	29.00	38.00	27.50	22.50	22.25	20.38	14.19	4.25	19.38	17.63	18.94	5.38	2.50	4.50	1.00
4	44.00	29.00	38.00	40.00	22.50	22.25	20.38	14.19	4.25	19.38	17.63	18.94	5.38	2.50	4.50	1.00
6	44.00	35.25	38.00	40.00	28.75	28.50	20.38	14.19	4.25	25.63	17.63	18.94	5.38	2.50	4.50	1.00
8	50.50	37.75	38.00	46.50	31.25	31.00	20.38	14.19	4.25	28.13	17.63	18.94	5.38	2.50	4.50	1.00
10	61.50	37.75	38.00	57.50	31.25	31.00	20.38	14.19	4.25	28.13	17.63	18.94	5.38	2.50	4.50	1.00
12	66.50	41.50	38.00	62.50	35.00	34.75	20.38	14.19	4.25	31.88	17.63	18.94	5.38	2.50	4.50	1.00
14	72.00	41.50	38.00	68.00	35.00	34.75	20.38	14.19	4.25	31.88	17.63	18.94	5.38	2.50	4.50	1.00
17	72.00	49.00	38.00	68.00	42.50	42.25	20.38	14.19	4.25	39.38	17.63	18.94	5.38	2.50	4.50	1.00
21	80.00	52.75	38.00	76.00	46.25	46.00	20.38	14.19	4.25	43.13	17.63	18.94	5.38	2.50	4.50	1.00
25	80.00	61.50	38.00	76.00	55.00	54.75	20.38	14.19	4.25	51.88	17.63	18.94	5.38	2.50	4.50	1.00
30	93.50	61.50	38.00	89.50	55.00	54.75	20.38	14.19	4.25	51.88	17.63	18.94	5.38	2.50	4.50	1.00
35	100.00	67.25	40.00	96.00	60.75	60.50	20.38	16.19	4.25	57.63	17.63	18.94	5.38	2.50	4.50	1.00
40	112.50	67.25	40.00	108.50	60.75	60.50	20.38	16.19	4.25	57.63	17.63	18.94	5.38	2.50	4.50	1.00
50	125.50	75.75	40.00	121.50	69.25	60.50	20.38	16.19	4.25	66.13	17.63	18.94	5.38	2.50	4.50	1.00
57	125.50	85.50	40.00	121.50	79.00	60.50	20.38	16.19	4.25	57.63	17.63	18.94	5.38	2.50	4.50	1.00
66	140.50	92.50	40.00	136.50	82.50	60.50	20.38	16.19	7.75	57.63	17.63	18.94	8.88	6.00	8.00	1.00
80	140.50	107.50	40.00	136.50	97.50	60.50	20.38	16.19	7.75	57.63	17.63	18.94	8.88	6.00	8.00	1.00
100	154.50	119.75	40.00	150.50	109.75	60.50	20.38	16.19	7.75	57.63	17.63	18.94	8.88	6.00	8.00	1.00
120	182.00	119.75	40.00	178.00	109.75	60.50	20.38	16.19	7.75	57.63	17.63	18.94	8.88	6.00	8.00	1.00

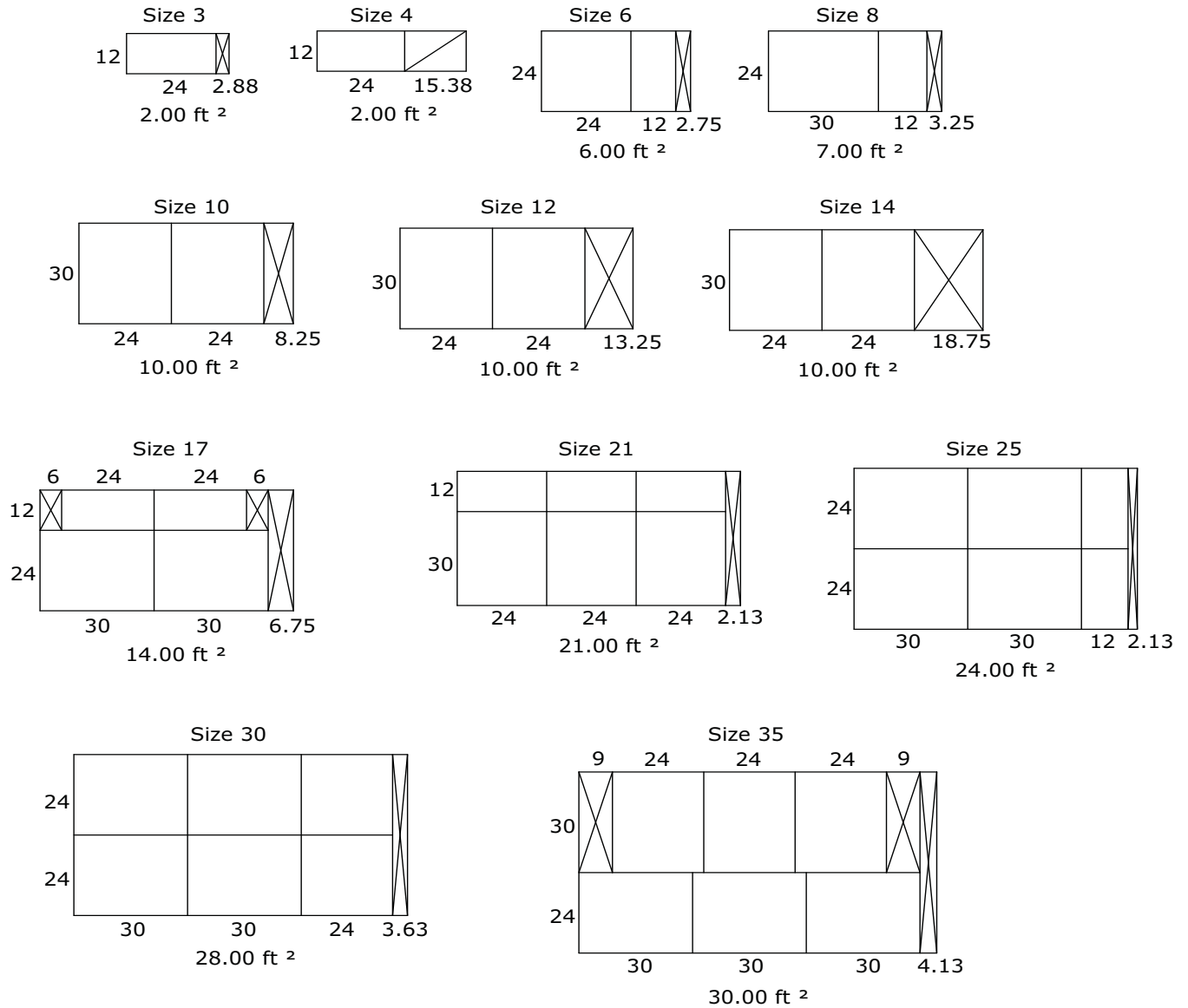
Note: **1** Shipping split flange dimension is for shipping and installation planning purposes only and does not add to installed overall unit length. **2** Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120.

Table 135. Front loading HEPA filter section without door dimensions (inches)

Unit size	W	H	L	Front/Back Opening		Base ²		S ¹
				A	B	E	E1	
3	31.50	29.00	19.00	27.50	22.50	2.50	4.50	1.00
4	44.00	29.00	19.00	40.00	22.50	2.50	4.50	1.00
6	44.00	35.25	19.00	40.00	28.75	2.50	4.50	1.00
8	50.50	37.75	19.00	46.50	31.25	2.50	4.50	1.00
10	61.50	37.75	19.00	57.50	31.25	2.50	4.50	1.00
12	66.50	41.50	19.00	62.50	35.00	2.50	4.50	1.00
14	72.00	41.50	19.00	68.00	35.00	2.50	4.50	1.00
17	72.00	49.00	19.00	68.00	42.50	2.50	4.50	1.00
21	80.00	52.75	19.00	76.00	46.25	2.50	4.50	1.00
25	80.00	61.50	19.00	76.00	55.00	2.50	4.50	1.00
30	93.50	61.50	19.00	89.50	55.00	2.50	4.50	1.00
35	100.00	67.25	24.00	96.00	60.75	2.50	4.50	1.00
40	112.50	67.25	24.00	108.50	60.75	2.50	4.50	1.00
50	125.50	75.75	24.00	121.50	69.25	2.50	4.50	1.00
57	125.50	85.50	24.00	121.50	79.00	2.50	4.50	1.00
66	140.50	92.50	24.00	136.50	82.50	6.00	8.00	1.00
80	140.50	107.50	24.00	136.50	97.50	6.00	8.00	1.00
100	154.50	119.80	24.00	150.50	109.75	6.00	8.00	1.00
120	182.00	119.80	24.00	178.00	109.75	6.00	8.00	1.00

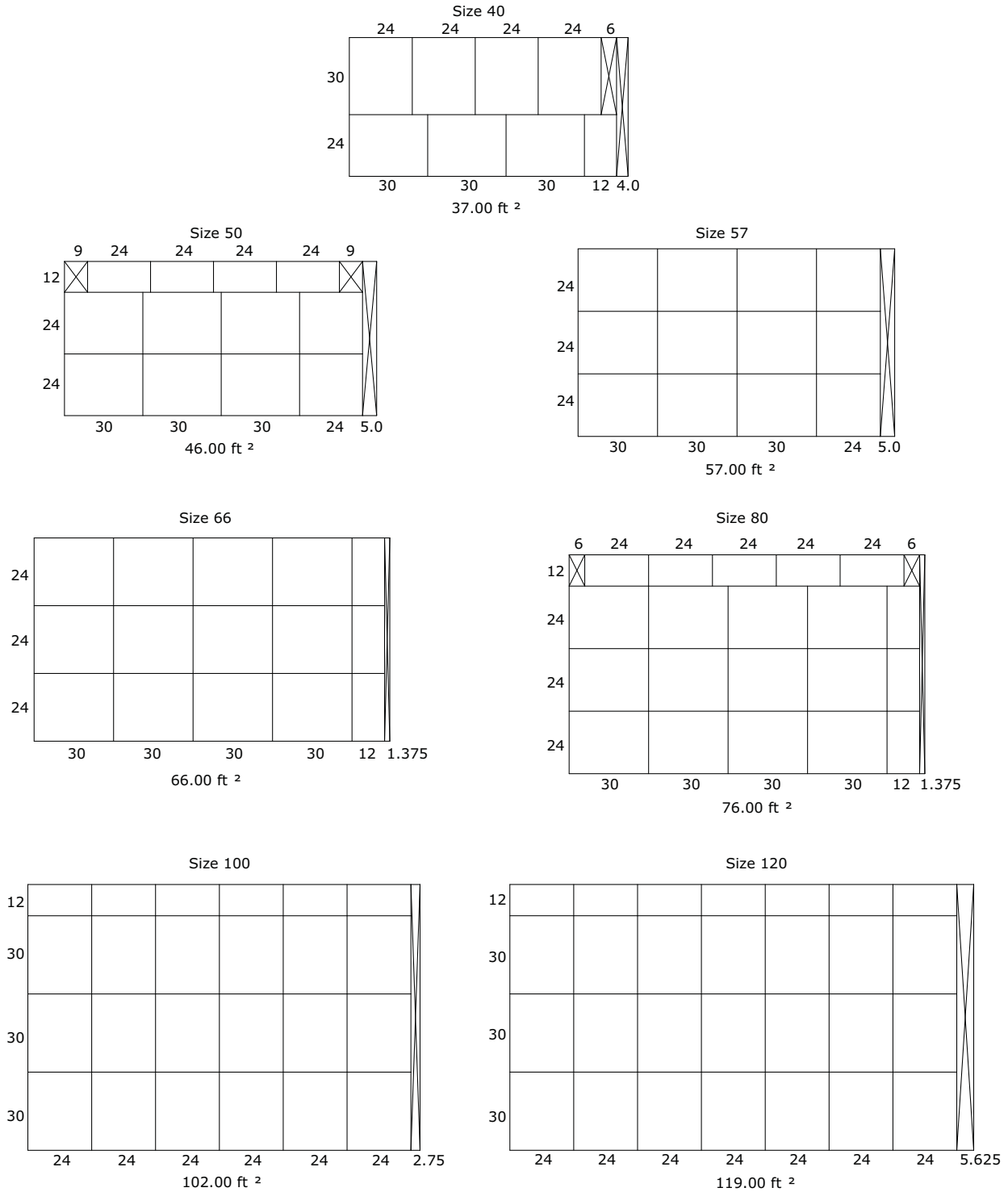
Note: **1** Shipping split flange dimension is for shipping and installation planning purposes only and does not add to installed overall unit length. **2** Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120.

Figure 92. Front loading HEPA filter placement for unit size 3-36



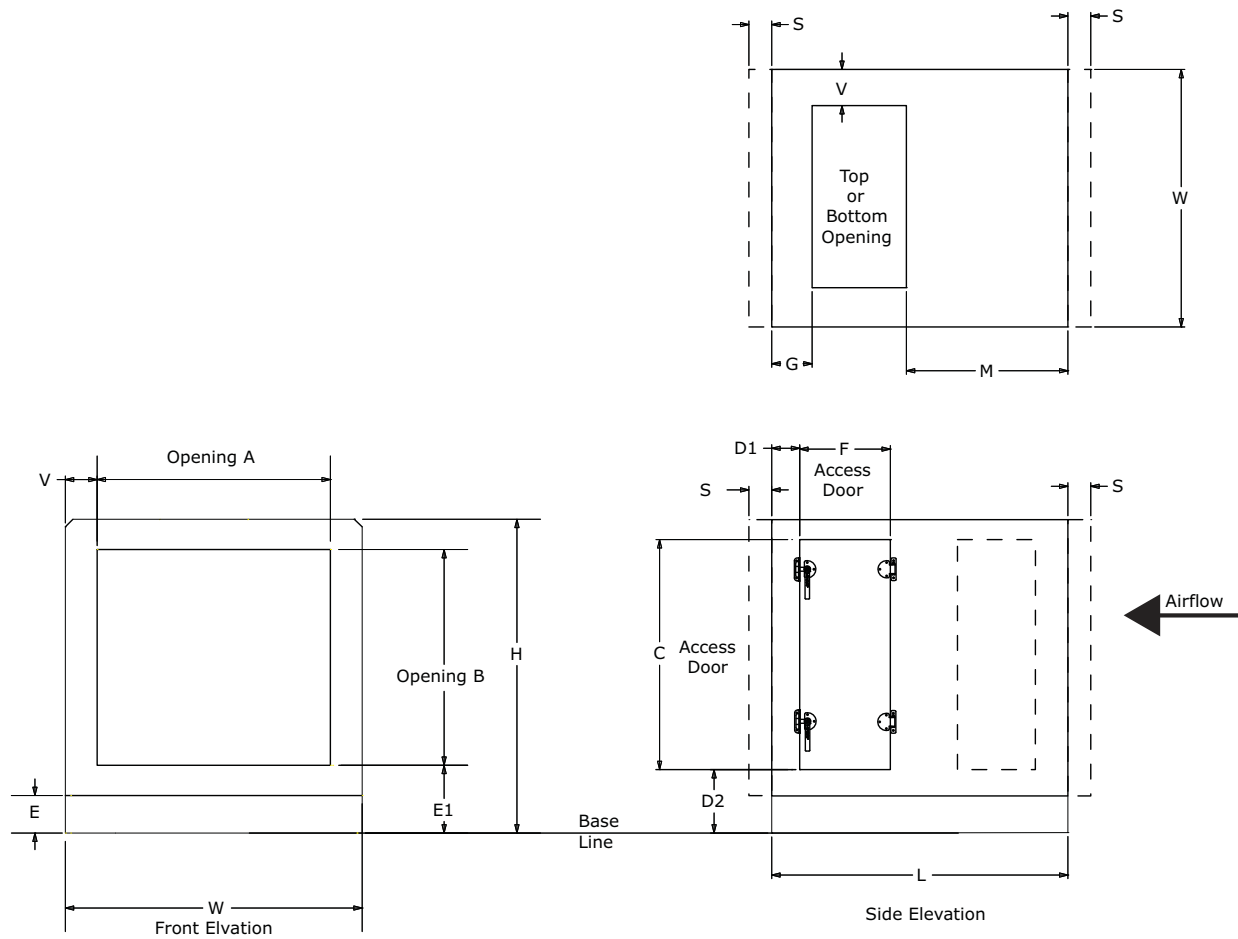
Dimensions

Figure 93. Front loading HEPA filter placement for unit size 40-120



Gas Heat - Drum and Tube

Figure 94. Gas heat section





Dimensions

Table 136. Gas heat drum and tube section dimensions (inches)

Unit size	MBH	Fan sizes	Vestibule type	Including vestibule			Front/back opening		Front discharge			
				W	W	H	Full open	A	B	A	B	E1
6	200	All	Ext	44.00	77.00	35.25	40.00	31.25	20.00	14.00	11.50	10.00
	300	All	Ext	44.00	69.75	35.25	40.00	31.25	20.00	14.00	11.38	10.00
8	200	All	Ext	50.50	77.50	37.75	46.50	33.75	22.00	16.00	11.63	10.00
	300	All	Ext	50.50	72.75	37.75	46.50	33.75	22.00	16.00	11.88	10.00
10	200	All	Ext	61.50	77.50	37.75	57.50	33.75	26.00	16.00	11.50	10.00
	320/360	All	Ext	61.50	96.13	37.75	57.50	33.75	26.00	16.00	11.63	10.00
12	200	All	Int	66.50	66.50	41.50	62.50	37.50	28.00	16.00	15.50	10.00
	320/360	All	Ext	66.50	87.50	41.50	62.50	37.50	42.00	16.00	12.50	10.00
14	200	All	Int	72.00	72.00	41.50	68.00	37.50	30.00	18.00	13.50	10.00
	320/360	All	Ext	72.00	86.13	41.50	68.00	37.50	32.00	18.00	10.50	10.00
17	200	All	Int	72.00	72.00	49.00	68.00	45.00	34.00	18.00	17.50	6.00
	320/360	All	Ext	72.00	86.25	49.00	68.00	45.00	46.00	18.00	19.13	10.00
	560	All	Ext	72.00	86.25	49.00	68.00	45.00	46.00	18.00	22.63	10.00
	700	All	Ext	72.00	93.13	49.00	68.00	45.00	46.00	18.00	22.38	10.00
21	200	All	Int	80.00	80.00	52.75	76.00	48.75	33.00	23.00	15.25	7.00
	320/360	All	Ext	80.00	86.13	52.75	76.00	48.75	45.00	18.00	22.38	10.00
	560	All	Ext	80.00	86.13	52.75	76.00	48.75	45.00	18.00	26.38	10.00
	700	All	Ext	80.00	92.63	52.75	76.00	48.75	45.00	18.00	22.38	10.00
	860	All	Ext	80.00	97.63	52.75	76.00	48.75	45.00	18.00	26.38	10.00
	1000	All	Ext	80.00	103.00	52.75	76.00	48.75	45.00	18.00	26.38	10.00
25	320/360	All	Ext	80.00	86.25	61.50	76.00	57.50	45.00	22.00	20.13	10.00
	560	All	Ext	80.00	86.25	61.50	76.00	57.50	45.00	22.00	25.13	10.00
	700	All	Ext	80.00	92.75	61.50	76.00	57.50	45.00	22.00	27.13	10.00
	860	20/22 FA/FB/AA/AB	Ext	80.00	95.75	61.50	76.00	57.50	45.00	22.00	30.88	10.00
	860	18 FA/FB/AA/AB	Ext	80.00	95.75	61.50	76.00	57.50	45.00	22.00	26.38	10.00
	1000	20/22 FA/FB/AA/AB	Ext	80.00	103.13	61.50	76.00	57.50	45.00	22.00	30.88	10.00
	1000	18 FA/FB/AA/AB	Ext	80.00	103.13	61.50	76.00	57.50	45.00	22.00	26.38	10.00
30	320/360	All	Int	93.50	93.50	61.50	89.50	57.50	50.00	22.00	23.38	10.00
	560	All	Int	93.50	93.50	61.50	89.50	57.50	50.00	32.00	28.38	10.00
	700	All	Int	93.50	93.50	61.50	89.50	57.50	51.00	22.00	30.38	10.00
	860	All	Int	93.50	93.50	61.50	89.50	57.50	51.00	22.00	30.88	10.00
	1000	All	Ext	93.50	105.63	61.50	89.50	57.50	51.00	22.00	30.88	10.00

Table 136. Gas heat drum and tube section dimensions (inches) (continued)

Unit size	MBH	Fan sizes	Vestibule type	Including vestibule			Front/back opening Full open		Front discharge			
				W	W	H	A	B	A	B	E1	V
35	320/360	All	Int	100.00	100.00	67.25	96.00	63.25	53.00	24.00	24.38	16.00
	560	All	Int	100.00	100.00	67.25	96.00	63.25	51.00	32.00	21.38	16.00
	700	All	Int	100.00	100.00	67.25	96.00	63.25	51.00	32.00	23.38	14.00
	860	All	Int	100.00	100.00	67.25	96.00	63.25	53.00	32.00	25.38	12.00
	1000	All	Ext	100.00	106.63	67.25	96.00	63.25	53.00	32.00	25.38	10.00
	1250	25 FA/FB/AA/AB	Ext	100.00	124.00	67.25	96.00	63.25	49.00	32.00	16.38	10.00
	1250	20/22 FA/FB/AA/AB	Ext	100.00	124.00	67.25	96.00	63.25	49.00	32.00	24.38	10.00
	1500	25FA/FB/AA/AB	Ext	100.00	124.00	67.25	96.00	63.25	49.00	32.00	16.38	10.00
	1500	20/22 FA/FB/AA/AB	Ext	100.00	124.00	67.25	96.00	63.25	49.00	32.00	24.38	10.00
	1750	25 FA/FB/AA/AB	Ext	100.00	124.00	67.25	96.00	63.25	49.00	32.00	16.38	10.00
1750	20/22 FA/FB/AA/AB	Ext	100.00	124.00	67.25	96.00	63.25	49.00	32.00	24.38	10.00	
40	560	All	Int	112.50	112.50	67.25	108.50	63.25	53.00	32.00	24.50	25.00
	700	All	Int	112.50	112.50	67.25	108.50	63.25	53.00	32.00	26.50	25.00
	860	All	Int	112.50	112.50	67.25	108.50	63.25	53.00	32.00	26.75	24.00
	1000	All	Ext	112.50	118.63	67.25	108.50	63.25	53.00	32.00	26.75	18.00
	1250	28/25 FA/FB/AA/AB	Ext	112.50	127.88	67.25	108.50	63.25	49.00	32.00	16.38	10.00
	1250	22FA/FB/AA/AB	Ext	112.50	127.88	67.25	108.50	63.25	49.00	32.00	24.38	10.00
	1500	28/25 FA/FB/AA/AB	Ext	112.50	127.88	67.25	108.50	63.25	49.00	32.00	16.38	10.00
	1750	22FA/FB/AA/AB	Ext	112.50	127.88	67.25	108.50	63.25	49.00	32.00	24.38	10.00
	1500	28/25 FA/FB/AA/AB	Ext	112.50	127.88	67.25	108.50	63.25	49.00	32.00	16.38	10.00
	1750	22FA/FB/AA/AB	Ext	112.50	127.88	67.25	108.50	63.25	49.00	32.00	24.38	10.00
50	560	All	Int	125.50	125.50	75.75	121.50	71.75	53.00	34.00	26.38	22.00
	700	All	Int	125.50	125.50	75.75	121.50	71.75	58.00	36.00	26.38	30.00
	860	All	Int	125.50	125.50	75.75	121.50	71.75	58.00	36.00	28.38	31.00
	1000	All	Int	125.50	125.50	75.75	121.50	71.75	58.00	36.00	28.38	29.50
	1250	32FA/FB/AA/AB	Ext	125.50	132.88	75.75	121.50	71.75	58.00	36.00	15.13	10.00
	1250	28/25 FA/FB/AA/AB	Ext	125.50	132.88	75.75	121.50	71.75	58.00	36.00	28.88	10.00
	1500	32FA/FB/AA/AB	Ext	125.50	132.88	75.75	121.50	71.75	58.00	36.00	15.13	10.00
	1500	28/25 FA/FB/AA/AB	Ext	125.50	132.88	75.75	121.50	71.75	58.00	36.00	28.88	10.00
	1750	32FA/FB/AA/AB	Ext	125.50	132.88	75.75	121.50	71.75	58.00	36.00	15.13	10.00
	1750	28/25 FA/FB/AA/AB	Ext	125.50	132.88	75.75	121.50	71.75	58.00	36.00	28.88	10.00
57	560	All	Int	125.50	125.63	85.50	121.50	81.50	53.00	39.00	21.38	29.00
	700	All	Int	125.50	125.63	85.50	121.50	81.50	60.00	36.00	26.38	28.00
	860	All	Int	125.50	125.63	85.50	121.50	81.50	60.00	36.00	28.38	31.00
	1000	All	Int	125.50	125.63	85.50	121.50	81.50	60.00	36.00	28.38	29.50
	1250	All	Ext	125.50	133.00	85.50	121.50	81.50	60.00	36.00	30.38	10.00
	1500	All	Ext	125.50	133.00	85.50	121.50	81.50	60.00	36.00	30.38	10.00
	1750	All	Ext	125.50	133.00	85.50	121.50	81.50	60.00	36.00	30.38	10.00
	2000	All	Ext	125.50	144.13	85.50	121.50	81.50	60.00	36.00	32.38	10.00



Dimensions

Table 136. Gas heat drum and tube section dimensions (inches) (continued)

Unit size	MBH	Fan sizes	Vestibule type	Including vestibule			Front/back opening Full open		Front discharge			
				W	W	H	A	B	A	B	E1	V
66	700	All	Int	140.50	140.50	92.50	136.50	88.50	60.00	40.00	30.88	32.00
	860	All	Int	140.50	140.50	92.50	136.50	88.50	64.00	40.00	32.88	32.00
	1000	All	Int	140.50	140.50	92.50	136.50	88.50	63.00	40.00	32.88	35.00
	1250	All	Int	140.50	140.50	92.50	136.50	88.50	63.00	40.00	34.88	11.00
	1500	All	Int	140.50	140.50	92.50	136.50	88.50	63.00	40.00	34.88	11.00
	1750	All	Int	140.50	140.50	92.50	136.50	88.50	63.00	40.00	34.88	11.00
	2000	All	Ext	140.50	151.00	92.50	136.50	88.50	63.00	40.00	36.88	13.00
	2400	All	Ext	140.50	158.00	92.50	136.50	88.50	63.00	40.00	38.38	10.00
80	860	All	Int	140.50	140.63	107.50	136.50	103.50	64.00	45.00	31.88	28.00
	1000	All	Int	140.50	140.63	107.50	136.50	103.50	70.00	41.00	35.88	29.00
	1250	All	Int	140.50	140.63	107.50	136.50	103.50	80.00	40.00	38.88	7.00
	1500	All	Int	140.50	140.63	107.50	136.50	103.50	80.00	40.00	38.88	7.00
	1750	All	Int	140.50	140.63	107.50	136.50	103.50	80.00	40.00	38.88	7.00
	2000	All	Ext	140.50	162.63	107.50	136.50	103.50	80.00	40.00	40.88	24.51
	2400	All	Ext	140.50	166.63	107.50	136.50	103.50	80.00	40.00	46.13	14.63
100	1000	44/40 FA/FB/AA/AB	Int	154.50	154.50	119.75	150.50	115.75	72.00	51.00	31.88	28.00
	1000	36/32 FA/FB/AA/AB	Int	154.50	154.50	119.75	150.50	115.75	72.00	51.00	25.88	28.00
	1250-1750	44 FA/FB/AA/AB	Int	154.50	154.50	119.75	150.50	115.75	90.00	44.00	40.88	31.00
	1250-1750	40 FA/FB/AA/AB	Int	154.50	154.50	119.75	150.50	115.75	90.00	44.00	40.88	31.00
	1250-1750	36 FA/FB/AA/AB	Int	154.50	154.50	119.75	150.50	115.75	90.00	44.00	34.88	31.00
	1250-1750	32 FA/FB/AA/AB	Int	154.50	154.50	119.75	150.50	115.75	90.00	44.00	34.88	31.00
	2000	44 FA/FB/AA/AB	Int	154.50	154.50	119.75	150.50	115.75	90.00	44.00	42.88	14.50
	2000	40 FA/FB/AA/AB	Int	154.50	154.50	119.75	150.50	115.75	90.00	44.00	42.88	14.50
	2000	36 FA/FB/AA/AB	Int	154.50	154.50	119.75	150.50	115.75	90.00	44.00	36.88	14.50
	2000	32 FA/FB/AA/AB	Int	154.50	154.50	119.75	150.50	115.75	90.00	44.00	36.88	14.50
	2400	44 FA/FB/AA/AB	Ext	154.50	167.50	119.75	150.50	115.75	90.00	44.00	48.13	9.62
	2400	40 FA/FB/AA/AB	Ext	154.50	167.50	119.75	150.50	115.75	90.00	44.00	48.25	9.62
	2400	36 FA/FB/AA/AB	Ext	154.50	167.50	119.75	150.50	115.75	90.00	44.00	42.13	9.62
2400	32 FA/FB/AA/AB	Ext	154.50	167.50	119.75	150.50	115.75	90.00	44.00	42.13	9.62	

Table 136. Gas heat drum and tube section dimensions (inches) (continued)

Unit size	MBH	Fan sizes	Vestibule type	Including vestibule			Front/back opening Full open		Front discharge			
				W	W	H	A	B	A	B	E1	V
120	1000	49/44/40 FA/FB/AA/AB	Int	182.00	182.00	119.75	178.00	115.75	72.00	61.00	28.38	45.00
	1000	36/32 FA/FB/AA/AB	Int	182.00	182.00	119.75	178.00	115.75	72.00	61.00	15.88	45.00
	1250-1750	49 FA/FB/AA/AB	Int	182.00	182.00	119.75	178.00	115.75	90.00	48.00	43.38	58.00
	1250-1750	44 FA/FB/AA/AB	Int	182.00	182.00	119.75	178.00	115.75	90.00	48.00	43.38	58.00
	1250-1750	40 FA/FB/AA/AB	Int	182.00	182.00	119.75	178.00	115.75	90.00	48.00	30.88	58.00
	1250-1750	36 FA/FB/AA/AB	Int	182.00	182.00	119.75	178.00	115.75	90.00	48.00	30.88	58.00
	1250-1750	32 FA/FB/AA/AB	Int	182.00	182.00	119.75	178.00	115.75	90.00	48.00	30.88	58.00
	2000	49 FA/FB/AA/AB	Int	182.00	182.00	119.75	178.00	115.75	105.00	48.00	45.38	42.00
	2000	44 FA/FB/AA/AB	Int	182.00	182.00	119.75	178.00	115.75	105.00	48.00	45.38	42.00
	2000	40 FA/FB/AA/AB	Int	182.00	182.00	119.75	178.00	115.75	105.00	48.00	32.88	42.00
	2000	36 FA/FB/AA/AB	Int	182.00	182.00	119.75	178.00	115.75	105.00	48.00	32.88	42.00
	2000	32 FA/FB/AA/AB	Int	182.00	182.00	119.75	178.00	115.75	105.00	48.00	32.88	42.00
	2400	49 FA/FB/AA/AB	Int	182.00	182.00	119.75	178.00	115.75	105.00	48.00	50.63	28.12
	2400	44 FA/FB/AA/AB	Int	182.00	182.00	119.75	178.00	115.75	105.00	48.00	50.63	28.12
	2400	40 FA/FB/AA/AB	Int	182.00	182.00	119.75	178.00	115.75	105.00	48.00	38.13	28.12
	2400	36 FA/FB/AA/AB	Int	182.00	182.00	119.75	178.00	115.75	105.00	48.00	38.13	28.12
2400	32 FA/FB/AA/AB	Int	182.00	182.00	119.75	178.00	115.75	105.00	48.00	38.13	28.12	

Table 137. Gas heat drum and tube section dimensions (inches)

Unit size	MBH	Fan sizes	Vestibule type	Top Discharge				Bottom Discharge			
				A	B	G	V	A	B	G	V
6	200	All	Ext	20.00	14.00	5.50	10.00	26.81	9.50	9.00	9.63
	300	All	Ext	20.00	14.00	5.50	10.00	17.25	14.63	9.00	12.00
8	200	All	Ext	22.00	16.00	5.50	10.00	26.81	12.00	9.00	10.00
	300	All	Ext	22.00	16.00	5.50	10.00	17.25	19.88	9.00	15.00
10	200	All	Ext	26.00	16.00	5.50	10.00	26.81	16.00	9.00	10.00
	320/360	All	Ext	26.00	16.00	5.50	10.00	45.50	9.50	9.00	11.00
12	200	All	Int	28.00	16.00	5.50	10.00	26.81	19.00	9.00	10.00
	320/360	All	Ext	42.00	16.00	5.50	10.00	45.50	11.00	9.00	11.00
14	200	All	Int	30.00	18.00	5.50	10.00	26.81	21.00	9.00	12.00
	320/360	All	Ext	32.00	18.00	5.50	10.00	45.50	12.00	9.00	11.00
17	200	All	Int	34.00	18.00	5.50	6.00	26.81	25.75	9.00	10.00
	320/360	All	Ext	46.00	18.00	5.50	10.00	45.50	16.00	9.00	11.00
	560	All	Ext	46.00	18.00	5.50	10.00	43.75	16.00	9.00	11.50
	700	All	Ext	46.00	18.00	5.50	10.00	46.00	16.00	9.00	13.00
21	200	All	Int	33.00	23.00	5.50	7.00	26.81	32.75	9.00	11.00
	320/360	All	Ext	45.00	18.00	5.50	10.00	45.50	19.00	9.00	11.00
	560	All	Ext	45.00	18.00	5.50	10.00	43.75	19.88	9.00	11.50
	700	All	Ext	45.00	18.00	5.50	10.00	46.00	19.00	9.00	13.00
	860	All	Ext	45.00	18.00	5.50	10.00	49.00	18.00	9.00	13.00
	1000	All	Ext	45.00	18.00	5.50	10.00	55.00	16.00	9.00	14.50

Dimensions

Table 137. Gas heat drum and tube section dimensions (inches) (continued)

Unit size	MBH	Fan sizes	Vestibule type	Top Discharge				Bottom Discharge			
				A	B	G	V	A	B	G	V
25	320/360	All	Ext	45.00	22.00	5.50	10.00	45.50	23.00	9.00	11.00
	560	All	Ext	45.00	22.00	5.50	10.00	43.75	24.00	9.00	11.50
	700	All	Ext	45.00	22.00	5.50	10.00	46.00	23.00	9.00	13.00
	860	20/22 FA/FB/AA/AB	Ext	45.00	22.00	5.50	10.00	49.00	22.00	9.00	13.00
	860	18 FA/FB/AA/AB	Ext	45.00	22.00	5.50	10.00	49.00	22.00	9.00	13.00
	1000	20/22 FA/FB/AA/AB	Ext	45.00	22.00	5.50	10.00	55.00	19.00	9.00	14.50
	1000	18 FA/FB/AA/AB	Ext	45.00	22.00	5.50	10.00	55.00	19.00	9.00	14.50
30	320/360	All	Int	50.00	22.00	5.50	10.00	45.50	27.75	9.00	13.00
	560	All	Int	50.00	22.00	5.50	10.00	43.75	29.00	9.00	13.50
	700	All	Int	51.00	22.00	5.50	10.00	46.00	27.75	9.00	13.00
	860	All	Int	51.00	22.00	5.50	10.00	49.00	25.75	9.00	13.00
	1000	All	Ext	51.00	22.00	5.50	10.00	55.00	23.00	9.00	17.00
35	320/360	All	Int	53.00	24.00	5.50	16.00	45.50	31.75	9.00	21.00
	560	All	Int	51.00	32.00	5.50	16.00	43.75	34.00	9.00	21.50
	700	All	Int	51.00	32.00	5.50	14.00	46.00	31.75	9.00	21.00
	860	All	Int	53.00	32.00	5.50	12.00	49.00	30.00	9.00	19.00
	1000	All	Ext	53.00	32.00	5.50	10.00	55.00	27.00	9.00	18.00
	1250	25 FA/FB/AA/AB	Ext	49.00	32.00	5.50	10.00	80.13	19.00	9.00	11.00
	1250	20/22 FA/FB/AA/AB	Ext	49.00	32.00	5.50	10.00	80.13	19.00	9.00	11.00
	1500	25FA/FB/AA/AB	Ext	49.00	32.00	5.50	10.00	80.13	19.00	9.00	11.00
	1500	20/22 FA/FB/AA/AB	Ext	49.00	32.00	5.50	10.00	80.13	19.00	9.00	11.00
	1750	25 FA/FB/AA/AB	Ext	49.00	32.00	5.50	10.00	80.13	19.00	9.00	11.00
1750	20/22 FA/FB/AA/AB	Ext	49.00	32.00	5.50	10.00	80.13	19.00	9.00	11.00	
40	560	All	Int	53.00	32.00	5.50	25.00	43.75	38.50	9.00	30.50
	700	All	Int	53.00	32.00	5.50	25.00	46.00	36.50	9.00	32.00
	860	All	Int	53.00	32.00	5.50	24.00	49.00	35.00	9.00	31.00
	1000	All	Ext	53.00	32.00	5.50	18.00	55.00	30.00	9.00	26.00
	1250	28/25 FA/FB/AA/AB	Ext	49.00	32.00	5.50	10.00	80.13	21.00	9.00	11.00
	1250	22FA/FB/AA/AB	Ext	49.00	32.00	5.50	10.00	80.13	21.00	9.00	11.00
	1500	28/25 FA/FB/AA/AB	Ext	49.00	32.00	5.50	10.00	80.13	21.00	9.00	11.00
	1750	22FA/FB/AA/AB	Ext	49.00	32.00	5.50	10.00	80.13	21.00	9.00	11.00
	1500	28/25 FA/FB/AA/AB	Ext	49.00	32.00	5.50	10.00	80.13	21.00	9.00	11.00
	1750	22FA/FB/AA/AB	Ext	49.00	32.00	5.50	10.00	80.13	21.00	9.00	11.00
50	560	All	Int	53.00	34.00	5.50	22.00	43.75	44.00	9.00	27.50
	700	All	Int	58.00	36.00	5.50	30.00	46.00	42.00	9.00	37.00
	860	All	Int	58.00	36.00	5.50	31.00	49.00	40.00	9.00	38.00
	1000	All	Int	58.00	36.00	5.50	29.50	55.00	34.00	9.00	37.50
	1250	32FA/FB/AA/AB	Ext	58.00	36.00	5.50	10.00	80.13	24.00	9.00	15.00
	1250	28/25 FA/FB/AA/AB	Ext	58.00	36.00	5.50	10.00	80.13	24.00	9.00	15.00
	1500	32FA/FB/AA/AB	Ext	58.00	36.00	5.50	10.00	80.13	24.00	9.00	15.00
	1500	28/25 FA/FB/AA/AB	Ext	58.00	36.00	5.50	10.00	80.13	24.00	9.00	15.00
	1750	32FA/FB/AA/AB	Ext	58.00	36.00	5.50	10.00	80.13	24.00	9.00	15.00
	1750	28/25 FA/FB/AA/AB	Ext	58.00	36.00	5.50	10.00	80.13	24.00	9.00	15.00
	2000	32FA/FB/AA/AB	Ext	58.00	36.00	5.50	10.00	100.88	19.00	9.00	11.00
	2000	28/25 FA/FB/AA/AB	Ext	58.00	36.00	5.50	10.00	100.88	19.00	9.00	11.00

Table 137. Gas heat drum and tube section dimensions (inches) (continued)

Unit size	MBH	Fan sizes	Vestibule type	Top Discharge				Bottom Discharge			
				A	B	G	V	A	B	G	V
57	560	All	Int	53.00	39.00	5.50	29.00	43.75	44.75	9.00	36.50
	700	All	Int	60.00	36.00	5.50	28.00	46.00	48.00	9.00	37.00
	860	All	Int	60.00	36.00	5.50	31.00	49.00	45.00	9.00	38.00
	1000	All	Int	60.00	36.00	5.50	29.50	55.00	40.00	9.00	37.50
	1250	All	Ext	60.00	36.00	5.50	10.00	80.13	27.75	9.00	15.00
	1500	All	Ext	60.00	36.00	5.50	10.00	80.13	27.75	9.00	15.00
	1750	All	Ext	60.00	36.00	5.50	10.00	80.13	27.75	9.00	15.00
	2000	All	Ext	60.00	36.00	5.50	10.00	100.88	22.00	9.00	11.00
66	700	All	Int	60.00	40.00	5.50	32.00	46.00	51.00	9.00	41.00
	860	All	Int	64.00	40.00	5.50	32.00	49.00	52.00	9.00	42.00
	1000	All	Int	63.00	40.00	5.50	35.00	55.00	46.00	9.00	43.00
	1250	All	Int	63.00	40.00	5.50	11.00	80.13	31.75	9.00	16.00
	1500	All	Int	63.00	40.00	5.50	11.00	80.13	31.75	9.00	16.00
	1750	All	Int	63.00	40.00	5.50	11.00	80.13	31.75	9.00	16.00
	2000	All	Ext	63.00	40.00	5.50	13.00	100.88	25.00	9.00	18.00
	2400	All	Ext	63.00	40.00	5.50	10.00	114.50	22.00	9.00	11.00
80	860	All	Int	64.00	45.00	5.50	28.00	49.00	55.00	9.00	38.00
	1000	All	Int	70.00	41.00	5.50	29.00	55.00	55.00	9.00	39.00
	1250	All	Int	80.00	40.00	5.50	7.00	80.13	38.00	9.00	12.00
	1500	All	Int	80.00	40.00	5.50	7.00	80.13	38.00	9.00	12.00
	1750	All	Int	80.00	40.00	5.50	7.00	80.13	38.00	9.00	12.00
	2000	All	Ext	80.00	40.00	5.50	24.51	100.88	30.00	9.00	29.63
	2400	All	Ext	80.00	40.00	5.50	14.63	114.50	27.00	9.00	19.75
100	1000	44/40 FA/FB/AA/AB	Int	72.00	51.00	5.50	28.00	55.00	58.00	9.00	40.00
	1000	36/32 FA/FB/AA/AB	Int	72.00	51.00	5.50	28.00	55.00	58.00	9.00	40.00
	1250-1750	44 FA/FB/AA/AB	Int	90.00	44.00	5.50	31.00	80.13	48.00	9.00	39.00
	1250-1750	40 FA/FB/AA/AB	Int	90.00	44.00	5.50	31.00	80.13	48.00	9.00	39.00
	1250-1750	36 FA/FB/AA/AB	Int	90.00	44.00	5.50	31.00	80.13	48.00	9.00	39.00
	1250-1750	32 FA/FB/AA/AB	Int	90.00	44.00	5.50	31.00	80.13	48.00	9.00	39.00
	2000	44 FA/FB/AA/AB	Int	90.00	44.00	5.50	14.50	100.88	38.00	9.00	19.50
	2000	40 FA/FB/AA/AB	Int	90.00	44.00	5.50	14.50	100.88	38.00	9.00	19.50
	2000	36 FA/FB/AA/AB	Int	90.00	44.00	5.50	14.50	100.88	38.00	9.00	19.50
	2000	32 FA/FB/AA/AB	Int	90.00	44.00	5.50	14.50	100.88	38.00	9.00	19.50
	2400	44 FA/FB/AA/AB	Ext	90.00	44.00	5.50	9.62	114.50	34.00	9.00	14.63
	2400	40 FA/FB/AA/AB	Ext	90.00	44.00	5.50	9.62	114.50	34.00	9.00	14.63
	2400	36 FA/FB/AA/AB	Ext	90.00	44.00	5.50	9.62	114.50	34.00	9.00	14.63
2400	32 FA/FB/AA/AB	Ext	90.00	44.00	5.50	9.62	114.50	34.00	9.00	14.63	



Dimensions

Table 137. Gas heat drum and tube section dimensions (inches) (continued)

Unit size	MBH	Fan sizes	Vestibule type	Top Discharge				Bottom Discharge			
				A	B	G	V	A	B	G	V
120	1000	49/44/40 FA/FB/AA/AB	Int	72.00	61.00	5.50	45.00	55.00	67.50	9.00	57.00
	1000	36/32 FA/FB/AA/AB	Int	72.00	61.00	5.50	45.00	55.00	67.50	9.00	57.00
	1250-1750	49 FA/FB/AA/AB	Int	90.00	48.00	5.50	58.00	80.13	57.00	9.00	67.25
	1250-1750	44 FA/FB/AA/AB	Int	90.00	48.00	5.50	58.00	80.13	57.00	9.00	67.25
	1250-1750	40 FA/FB/AA/AB	Int	90.00	48.00	5.50	58.00	80.13	57.00	9.00	67.25
	1250-1750	36 FA/FB/AA/AB	Int	90.00	48.00	5.50	58.00	80.13	57.00	9.00	67.25
	1250-1750	32 FA/FB/AA/AB	Int	90.00	48.00	5.50	58.00	80.13	57.00	9.00	67.25
	2000	49 FA/FB/AA/AB	Int	105.00	48.00	5.50	42.00	100.88	46.00	9.00	47.00
	2000	44 FA/FB/AA/AB	Int	105.00	48.00	5.50	42.00	100.88	46.00	9.00	47.00
	2000	40 FA/FB/AA/AB	Int	105.00	48.00	5.50	42.00	100.88	46.00	9.00	47.00
	2000	36 FA/FB/AA/AB	Int	105.00	48.00	5.50	42.00	100.88	46.00	9.00	47.00
	2000	32 FA/FB/AA/AB	Int	105.00	48.00	5.50	42.00	100.88	46.00	9.00	47.00
	2400	49 FA/FB/AA/AB	Int	105.00	48.00	5.50	28.12	114.50	40.00	9.00	33.13
	2400	44 FA/FB/AA/AB	Int	105.00	48.00	5.50	28.12	114.50	40.00	9.00	33.13
	2400	40 FA/FB/AA/AB	Int	105.00	48.00	5.50	28.12	114.50	40.00	9.00	33.13
	2400	36 FA/FB/AA/AB	Int	105.00	48.00	5.50	28.12	114.50	40.00	9.00	33.13
2400	32 FA/FB/AA/AB	Int	105.00	48.00	5.50	28.12	114.50	40.00	9.00	33.13	

Table 138. Gas heat drum and tube section dimensions (inches)

Unit size	MBH	Fan sizes	Vestibule type	Outward Door				Base ²		Ship split		Outward door	
				Hinged Indoor ³	Hinged Outdoor ³	C	D2	E	E1	S ¹	L	F	D1
6	200	All	Ext	AL	AL	23.25	4.25	2.50	4.50	1.00	55.00	26.25	22.00
	300	All	Ext	AL	AL	23.25	4.25	2.50	4.50	1.00	69.00	28.25	35.28
8	200	All	Ext	AL	AL	25.75	4.25	2.50	4.50	1.00	55.00	26.25	22.00
	300	All	Ext	AL	AL	25.75	4.25	2.50	4.50	1.00	69.00	28.25	35.38
10	200	All	Ext	AL	AL	25.75	4.25	2.50	4.50	1.00	55.00	26.25	22.00
	320/360	All	Ext	AL	AL	25.75	4.25	2.50	4.50	1.00	67.00	28.25	28.00
12	200	All	Int	AL	AE	32.62	4.25	2.50	4.50	1.00	52.00	29.00	22.50
	320/360	All	Ext	AL	AL	29.50	4.25	2.50	4.50	1.00	65.00	28.25	27.88
14	200	All	Int	AL	AE	32.62	4.25	2.50	4.50	1.00	52.00	29.00	22.50
	320/360	All	Ext	AL	AL	29.50	4.25	2.50	4.50	1.00	61.00	28.25	27.88
17	200	All	Int	AL	AE	40.12	4.25	2.50	4.50	1.00	52.00	29.00	22.50
	320/360	All	Ext	AL	AL	37.00	4.25	2.50	4.50	1.00	61.00	28.25	27.88
	560	All	Ext	AL	AL	37.00	4.25	2.50	4.50	1.00	64.00	28.25	28.50
	700	All	Ext	AL	AL	37.00	4.25	2.50	4.50	1.00	73.00	30.25	34.25
21	200	All	Int	AL	AE	43.87	4.25	2.50	4.50	1.00	52.00	29.00	22.50
	320/360	All	Ext	AL	AL	40.75	4.25	2.50	4.50	1.00	61.00	28.25	27.88
	560	All	Ext	AL	AL	40.75	4.25	2.50	4.50	1.00	64.00	28.25	28.50
	700	All	Ext	AL	AL	40.75	4.25	2.50	4.50	1.00	73.00	30.25	34.25
	860	All	Ext	AL	AL	40.75	4.25	2.50	4.50	1.00	73.00	30.25	35.63
	1000	All	Ext	AL	AL	40.75	4.25	2.50	4.50	1.00	76.00	30.25	35.50

Table 138. Gas heat drum and tube section dimensions (inches) (continued)

Unit size	MBH	Fan sizes	Vestibule type	Outward Door				Base ²		Ship split		Outward door	
				Hinged Indoor ³	Hinged Outdoor ³	C	D2	E	E1	S ¹	L	F	D1
25	320/360	All	Ext	AL	AL	49.50	4.25	2.50	4.50	1.00	61.00	28.25	27.88
	560	All	Ext	AL	AL	49.50	4.25	2.50	4.50	1.00	64.00	28.25	28.50
	700	All	Ext	AL	AL	49.50	4.25	2.50	4.50	1.00	73.00	30.25	34.25
	860	20/22 FA/FB/AA/AB	Ext	AL	AL	49.50	4.25	2.50	4.50	1.00	73.00	30.25	35.63
	860	18 FA/FB/AA/AB	Ext	AL	AL	49.50	4.25	2.50	4.50	1.00	73.00	30.25	35.63
	1000	20/22 FA/FB/AA/AB	Ext	AL	AL	49.50	4.25	2.50	4.50	1.00	76.00	30.25	35.50
	1000	18 FA/FB/AA/AB	Ext	AL	AL	49.50	4.25	2.50	4.50	1.00	76.00	30.25	35.50
30	320/360	All	Int	AL	AE	52.62	4.25	2.50	4.50	1.00	61.00	29.00	27.88
	560	All	Int	AL	AE	52.62	4.25	2.50	4.50	1.00	61.00	29.00	28.50
	700	All	Int	AL	AE	52.62	4.25	2.50	4.50	1.00	67.00	31.00	34.25
	860	All	Int	AL	AE	52.62	4.25	2.50	4.50	1.00	71.00	31.00	36.63
	1000	All	Ext	AL	AL	49.50	4.25	2.50	4.50	1.00	75.00	30.25	35.50
35	320/360	All	Int	AL	AE	58.37	4.25	2.50	4.50	1.00	61.00	29.00	27.88
	560	All	Int	AL	AE	58.37	4.25	2.50	4.50	1.00	61.00	29.00	28.50
	700	All	Int	AL	AE	58.37	4.25	2.50	4.50	1.00	67.00	31.00	34.25
	860	All	Int	AL	AE	58.37	4.25	2.50	4.50	1.00	71.00	31.00	36.63
	1000	All	Ext	AL	AL	55.25	4.25	2.50	4.50	1.00	73.00	30.25	35.50
	1250	25 FA/FB/AA/AB	Ext	AL	AL	55.25	4.25	2.50	4.50	1.00	94.00	32.00	51.75
	1250	20/22 FA/FB/AA/AB	Ext	AL	AL	55.25	4.25	2.50	4.50	1.00	94.00	32.00	50.63
	1500	25FA/FB/AA/AB	Ext	AL	AL	55.25	4.25	2.50	4.50	1.00	94.00	32.00	51.75
	1500	20/22 FA/FB/AA/AB	Ext	AL	AL	55.25	4.25	2.50	4.50	1.00	94.00	32.00	50.63
	1750	25 FA/FB/AA/AB	Ext	AL	AL	55.25	4.25	2.50	4.50	1.00	94.00	32.00	51.75
40	560	All	Int	AL	AE	58.37	4.25	2.50	4.50	1.00	61.00	29.00	28.50
	700	All	Int	AL	AE	58.37	4.25	2.50	4.50	1.00	67.00	31.00	34.25
	860	All	Int	AL	AE	58.37	4.25	2.50	4.50	1.00	71.00	31.00	36.63
	1000	All	Ext	AL	AL	55.25	4.25	2.50	4.50	1.00	73.00	30.25	35.50
	1250	28/25 FA/FB/AA/AB	Ext	AL	AL	55.25	4.25	2.50	4.50	1.00	91.00	32.00	51.75
	1250	22FA/FB/AA/AB	Ext	AL	AL	55.25	4.25	2.50	4.50	1.00	91.00	32.00	50.63
	1500	28/25 FA/FB/AA/AB	Ext	AL	AL	55.25	4.25	2.50	4.50	1.00	91.00	32.00	51.75
	1750	22FA/FB/AA/AB	Ext	AL	AL	55.25	4.25	2.50	4.50	1.00	91.00	32.00	50.63
	1500	28/25 FA/FB/AA/AB	Ext	AL	AL	55.25	4.25	2.50	4.50	1.00	91.00	32.00	51.75
50	560	All	Int	AL	AL	66.87	4.25	2.50	4.50	1.00	61.00	29.00	28.50
	700	All	Int	AL	AL	66.87	4.25	2.50	4.50	1.00	67.00	31.00	34.25
	860	All	Int	AL	AL	66.87	4.25	2.50	4.50	1.00	71.00	31.00	36.63
	1000	All	Int	AL	AL	66.87	4.25	2.50	4.50	1.00	71.00	31.00	35.50
	1250	32FA/FB/AA/AB	Ext	AL	AL	63.75	4.25	2.50	4.50	1.00	94.00	32.00	51.75
	1250	28/25 FA/FB/AA/AB	Ext	AL	AL	63.75	4.25	2.50	4.50	1.00	94.00	32.00	50.63
	1500	32FA/FB/AA/AB	Ext	AL	AL	63.75	4.25	2.50	4.50	1.00	94.00	32.00	51.75
	1500	28/25 FA/FB/AA/AB	Ext	AL	AL	63.75	4.25	2.50	4.50	1.00	94.00	32.00	50.63
	1750	32FA/FB/AA/AB	Ext	AL	AL	63.75	4.25	2.50	4.50	1.00	94.00	32.00	51.75
	1750	28/25 FA/FB/AA/AB	Ext	AL	AL	63.75	4.25	2.50	4.50	1.00	94.00	32.00	50.63
	2000	32FA/FB/AA/AB	Ext	AL	AL	63.75	4.25	2.50	4.50	1.00	100.00	32.00	53.13
2000	28/25 FA/FB/AA/AB	Ext	AL	AL	63.75	4.25	2.50	4.50	1.00	100.00	32.00	52.00	



Dimensions

Table 138. Gas heat drum and tube section dimensions (inches) (continued)

Unit size	MBH	Fan sizes	Vestibule type	Outward Door				Base ²		Ship split		Outward door	
				Hinged Indoor ³	Hinged Outdoor ³	C	D2	E	E1	S ¹	L	F	D1
57	560	All	Int	AL	AL	76.62	4.25	2.50	4.50	1.00	61.00	29.00	28.50
	700	All	Int	AL	AL	76.62	4.25	2.50	4.50	1.00	67.00	31.00	34.25
	860	All	Int	AL	AL	76.62	4.25	2.50	4.50	1.00	71.00	31.00	36.63
	1000	All	Int	AL	AL	76.62	4.25	2.50	4.50	1.00	71.00	31.00	35.50
	1250	All	Ext	AL	AL	73.50	4.25	2.50	4.50	1.00	94.00	32.00	51.75
	1500	All	Ext	AL	AL	73.50	4.25	2.50	4.50	1.00	94.00	32.00	51.75
	1750	All	Ext	AL	AL	73.50	4.25	2.50	4.50	1.00	94.00	32.00	51.75
	2000	All	Ext	AL	AL	73.50	4.25	2.50	4.50	1.00	100.00	32.00	53.13
66	700	All	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	67.00	32.75	33.25
	860	All	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	71.00	32.75	35.75
	1000	All	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	71.00	32.75	34.63
	1250	All	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	94.00	32.75	47.75
	1500	All	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	94.00	32.75	47.75
	1750	All	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	94.00	32.75	47.75
	2000	All	Ext	AL	AL	60.00	7.75	6.00	8.00	1.00	98.00	32.00	53.13
	2400	All	Ext	AL	AL	60.00	7.75	6.00	8.00	1.00	101.00	32.00	53.25
80	860	All	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	71.00	32.75	35.75
	1000	All	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	71.00	32.75	34.63
	1250	All	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	94.00	32.75	47.75
	1500	All	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	94.00	32.75	47.75
	1750	All	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	94.00	32.75	47.75
	2000	All	Ext	AL	AL	60.00	7.75	6.00	8.00	1.00	101.00	32.00	53.13
	2400	All	Ext	AL	AL	60.00	7.75	6.00	8.00	1.00	99.00	32.00	53.25
100	1000	44/40 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	71.00	32.75	36.13
	1000	36/32 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	71.00	32.75	36.13
	1250-1750	44 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	83.00	32.75	47.75
	1250-1750	40 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	83.00	32.75	47.75
	1250-1750	36 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	83.00	32.75	47.75
	1250-1750	32 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	83.00	32.75	47.75
	2000	44 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	89.00	32.75	49.13
	2000	40 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	94.00	32.75	49.13
	2000	36 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	98.00	32.75	49.13
	2000	32 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	102.00	32.75	49.13
	2400	44 FA/FB/AA/AB	Ext	AL	AL	60.00	7.75	6.00	8.00	1.00	96.00	32.00	54.25
	2400	40 FA/FB/AA/AB	Ext	AL	AL	60.00	7.75	6.00	8.00	1.00	100.00	32.00	54.25
	2400	36 FA/FB/AA/AB	Ext	AL	AL	60.00	7.75	6.00	8.00	1.00	100.00	32.00	54.25
2400	32 FA/FB/AA/AB	Ext	AL	AL	60.00	7.75	6.00	8.00	1.00	104.00	32.00	54.25	

Table 138. Gas heat drum and tube section dimensions (inches) (continued)

Unit size	MBH	Fan sizes	Vestibule type	Outward Door				Base ²		Ship split		Outward door	
				Hinged Indoor ³	Hinged Outdoor ³	C	D2	E	E1	S ¹	L	F	D1
120	1000	49/44/40 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	84.00	32.75	37.63
	1000	36/32 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	84.00	32.75	37.63
	1250-1750	49 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	91.00	32.75	47.75
	1250-1750	44 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	91.00	32.75	47.75
	1250-1750	40 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	89.00	32.75	47.75
	1250-1750	36 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	89.00	32.75	47.75
	1250-1750	32 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	89.00	32.75	47.75
	2000	49 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	94.00	32.75	49.13
	2000	44 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	94.00	32.75	49.13
	2000	40 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	91.00	32.75	49.13
	2000	36 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	91.00	32.75	49.13
	2000	32 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	94.00	32.75	49.13
	2400	49 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	91.00	32.75	49.25
	2400	44 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	91.00	32.75	49.25
	2400	40 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	100.00	32.75	49.25
	2400	36 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	100.00	32.75	49.25
2400	32 FA/FB/AA/AB	Int	AL	AL	58.63	7.75	6.00	8.00	1.00	104.00	32.75	49.25	

Note: ¹Shipping split flange dimension is for shipping planning purposes only and does not add to installed overall unit length. ²Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120. ³Hinged on air-entering (AE) side or air-leaving (AL) side.

Gas Heat - Inshot Tubular

Figure 95. Gas heat - inshot tubular dimensions (inches)

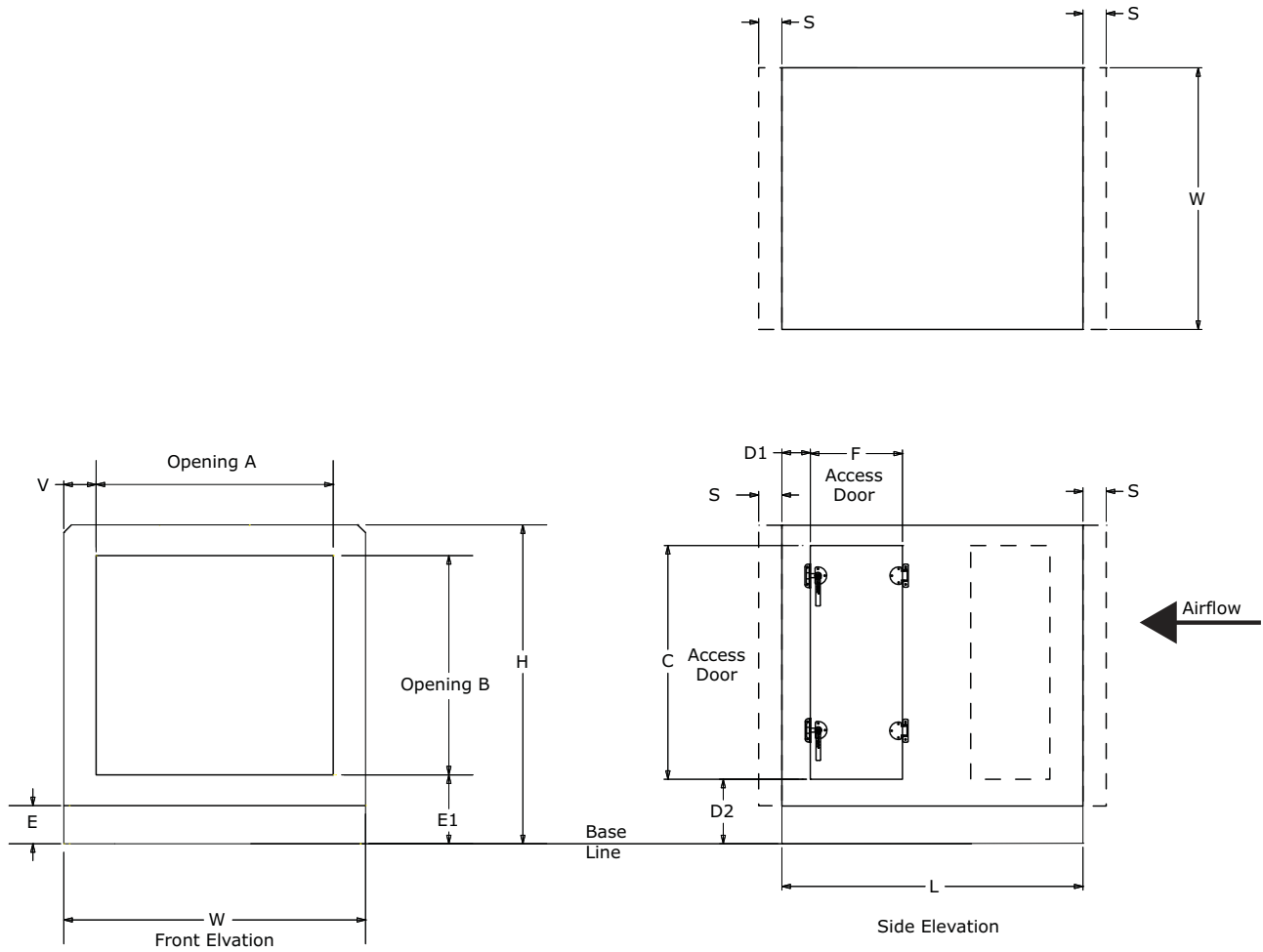


Table 139. Gas heat inshot tubular dimensions (inches)

Unit Size	MBH	Vestibule Type	W	H	L	Hinged	Outward Door				Base E
							C	D2	F	D1	
4	100	INT	40	22.5	41.1	AE	22.3	4.25	13.9	2.07	2.5
	250	INT	40	22.5	56.6	AE	22.3	4.25	20.4	2.07	2.5
6	100	INT	40	28.8	41.1	AE	28.5	4.25	13.9	2.07	2.5
	250	INT	40	28.8	56.6	AE	28.5	4.25	20.4	2.07	2.5
	400	INT	40	28.8	74.1	AE	28.5	4.25	30.9	2.07	2.5
8	250	INT	46.5	31.3	56.6	AE	31	4.25	22.4	2.07	2.5
	400	INT	46.5	31.3	74.1	AE	31	4.25	30.9	2.07	2.5
	500	INT	46.5	31.3	84.1	AE	31	4.25	30.9	2.07	2.5
10	250	INT	57.5	31.3	56.6	AE	31	4.25	22.4	2.07	2.5
	400	INT	57.5	31.3	74.1	AE	31	4.25	30.9	2.07	2.5
	500	INT	57.5	31.3	84.1	AE	31	4.25	30.9	2.07	2.5
12	250	INT	62.5	35	44.3	AE	34.8	4.25	13.9	2.07	2.5
	400	INT	62.5	35	57.3	AE	34.8	4.25	22.4	2.07	2.5
	600	INT	62.5	35	67.1	AE	34.8	4.25	28.9	2.07	2.5
14	250	INT	68	35	44.4	AE	34.8	4.25	13.9	2.07	2.5
	400	INT	68	35	57.4	AE	34.8	4.25	22.4	2.07	2.5
	600	INT	68	35	67.1	AE	34.8	4.25	28.9	2.07	2.5
17	250	INT	68	42.5	44.4	AE	42.3	4.25	13.9	2.07	2.5
	400	INT	68	42.5	57.4	AE	42.3	4.25	22.4	2.07	2.5
	600	INT	68	42.5	67.1	AE	42.3	4.25	28.9	2.07	2.5
21	450	INT	76	46.3	68.7	AE	46	4.25	25.4	2.07	2.5
	800	INT	76	46.3	66.0	AE	46	4.25	20.4	2.07	2.5
	1200	INT	76	46.3	81.0	AE	46	4.25	25.4	2.07	2.5
25	450	INT	76	55	68.7	AE	54.8	4.25	25.4	2.07	2.5
	800	INT	76	55	66.0	AE	54.8	4.25	20.4	2.07	2.5
	1200	INT	76	55	81.0	AE	54.8	4.25	25.4	2.07	2.5
30	450	INT	89.5	55	68.7	AE	54.8	4.25	25.4	2.07	2.5
	800	INT	89.5	55	66.0	AE	54.8	4.25	20.4	2.07	2.5
	1200	INT	89.5	55	81.0	AE	54.8	4.25	25.4	2.07	2.5

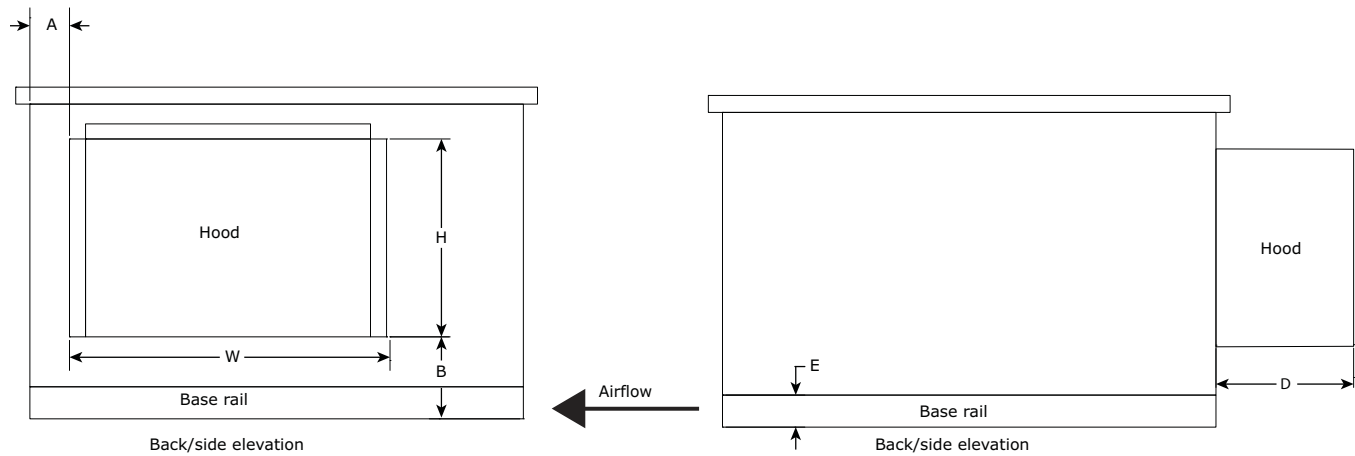


Dimensions

Table 140. Gas heat inshot tubular dimensions (inches)

Unit Size	MBH	Vestibule Type	Full Face Opening				Direct Discharge			
			A	B	E1	V	A	B	E1	V
4	100	INT	40	22.5	4.5	2	28.0	19.3	6.5	3.08
	250	INT	40	22.5	4.5	2	28.0	19.3	6.5	3.08
6	100	INT	40	28.8	4.5	2	28.0	19.3	6.5	3.08
	250	INT	40	28.8	4.5	2	28.0	19.3	6.5	3.08
	400	INT	40	28.8	4.5	2	28.0	19.3	6.5	3.08
8	250	INT	46.5	31.3	4.5	2	28.0	19.3	6.5	4.08
	400	INT	46.5	31.3	4.5	2	28.0	19.3	6.5	4.08
	500	INT	46.5	31.3	4.5	2	28.0	19.3	6.5	4.08
10	250	INT	57.5	31.3	4.5	2	28.0	19.3	6.5	4.08
	400	INT	57.5	31.3	4.5	2	28.0	19.3	6.5	4.08
	500	INT	57.5	31.3	4.5	2	28.0	19.3	6.5	4.08
12	250	INT	62.5	35	4.5	2	45.4	26.0	6.5	4.08
	400	INT	62.5	35	4.5	2	45.4	26.0	6.5	4.08
	600	INT	62.5	35	4.5	2	45.4	26.0	6.5	4.08
14	250	INT	68	35	4.5	2	45.4	26.0	6.5	4.08
	400	INT	68	35	4.5	2	45.4	26.0	6.5	4.08
	600	INT	68	35	4.5	2	45.4	26.0	6.5	4.08
17	250	INT	68	42.5	4.5	2	45.4	26.0	6.5	4.08
	400	INT	68	42.5	4.5	2	45.4	26.0	6.5	4.08
	600	INT	68	42.5	4.5	2	45.4	26.0	6.5	4.08
21	450	INT	76	46.3	4.5	2	61.4	16.7	6.5	2.98
	800	INT	76	46.3	4.5	2	61.4	29.4	6.5	2.98
	1200	INT	76	46.3	4.5	2	61.4	29.4	6.5	2.98
25	450	INT	76	55	4.5	2	61.4	16.7	6.5	2.98
	800	INT	76	55	4.5	2	61.4	29.4	6.5	2.98
	1200	INT	76	55	4.5	2	61.4	29.4	6.5	2.98
30	450	INT	89.5	55	4.5	2	61.4	16.7	6.5	4.08
	800	INT	89.5	55	4.5	2	61.4	29.4	6.5	4.08
	1200	INT	89.5	55	4.5	2	61.4	29.4	6.5	4.08

Hoods

Figure 96. Hood


Economizer Inlet Hood

Table 141. Economizer inlet hood dimensions (inches)

Unit size	Section length	W	D	H	A	B	E	D + 1 inch Gutter	Permanent Filter Eliminator Net Area ²
3	45.50	27.63	15.07	20.63	1.84	8.41	6.00	16.07	1.51
4	49.00	39.50	16.00	20.75	1.88	9.50	6.00	17.00	3.10
6	49.50	39.50	17.88	24.50	2.25	11.75	6.00	18.88	3.94
8	48.00	39.50	21.38	30.00	2.13	8.75	6.00	22.38	5.13
10	53.00	45.75	21.38	30.00	2.00	8.75	6.00	22.38	5.57
12	53.00	45.75	22.88	34.75	2.00	7.88	6.00	23.88	6.63
14	56.50	52.75	34.86	31.75	1.84	10.63	6.00	35.86	9.04
17	52.00	48.25	42.62	41.00	1.84	9.00	6.00	43.62	10.53
21	62.50	55.25	35.25	45.75	2.00	8.13	6.00	36.25	12.81
25	57.00	53.25	40.23	54.38	1.88	8.13	6.00	41.23	15.18
30	62.50	58.75	40.23	54.38	2.00	8.13	6.00	41.23	17.26
35	75.00	68.13	34.88	59.25	2.13	8.63	6.00	35.88	20.17
40	83.00	79.13	40.23	54.38	1.85	12.38	6.00	41.23	24.64
50	72.00	68.04	64.21	66.72	2.13	10.13	6.00	65.21	28.65
57	75.50	71.54	51.18	73.34	2.13	13.25	6.00	52.18	29.98
66	83.00	78.79	56.04	81.75	2.38	8.13	6.00	57.04	38.13
80	86.00	81.79	64.12	95.75	2.38	8.13	6.00	65.12	45.06
100	93.00	87.29	71.89	109.22	3.88	8.13	6.00	72.89	55.62
120	93.00	89.33	99.87	109.22	1.84	8.13	6.00	100.87	64.64



Dimensions

Back Inlet Hood

Table 142. Back inlet hood dimensions (inches)

Unit size	Section	W	D	H	A	B	E ¹	Permanent Filter Eliminator Net Area ft ²
3	Back inlet hood with bladed damper	22.25	16.63	21.00	4.63	5.63	6.00	1.38
	Back inlet hood with Traq damper	22.25	16.63	21.00	5.13	4.25	6.00	1.38
4	Back inlet hood with damper	44.00	17.88	24.63	0.00	3.38	6.00	4.56
	Back inlet hood with Traq damper	44.00	17.88	24.63	0.00	3.38	6.00	4.56
	Back inlet hood with low-flow Traq damper	44.00	17.88	24.63	0.00	3.38	6.00	4.56
6	Back inlet hood with damper	44.00	17.38	26.50	0.00	6.00	6.00	5.02
	Back inlet hood with Traq damper	44.00	17.38	26.50	0.00	3.38	6.00	5.02
	Traq damper ST (to bottom damper)	44.00	17.38	26.50	0.00	6.00	6.00	5.02
	Traq damper DT (low-flow Traq only)	44.00	17.38	26.50	0.00	6.00	6.00	5.02
	Traq damper DT (low-flow Traq to bottom damper)	44.00	17.38	26.50	0.00	6.00	6.00	5.02
8	Back inlet hood	50.38	22.25	33.38				
	Back face end-of-unit damper	50.38	22.25	33.38	0.00	3.38	6.00	8.00
	Back face back Traq std to bottom damper; low-flow Traq to bottom damper	50.38	22.25	33.38	0.00	3.38	6.00	8.00
10	Back inlet hood	61.50	17.38	22.00				
	Back face end-of-unit damper	61.50	17.38	22.00	0.00	10.25	6.00	5.48
	Back face back Traq std to bottom damper; low-flow Traq to bottom damper	61.50	17.38	22.00	0.00	14.38	6.00	5.48
12	Back inlet hood	66.38	19.38	26.75				
	Back face end-of-unit damper	66.38	19.38	26.75	0.00	9.25	6.00	7.87
	Back face back Traq std only/to bottom damper; low-flow Traq only/bottom damper	66.38	19.38	26.75	0.00	13.38	6.00	7.87
14	Back inlet hood	71.88	19.38	26.75				
	Back face end-of-unit damper	71.88	19.38	26.75	0.00	9.25	6.00	8.68
	Back face back Traq std only/to bottom damper; low-flow Traq only/bottom damper	71.88	19.38	26.75	0.00	12.13	6.00	8.68
17	Back inlet hood	72.00	21.38	30.75				
	Back face end-of-unit damper	72.00	21.38	30.75	0.00	12.75	6.00	10.37
	Back face back Traq std only/to bottom damper; low-flow Traq only/bottom damper	72.00	21.38	30.75	0.00	12.75	6.00	10.37
21	Back inlet hood	79.88	22.63	34.25				
	Back inlet hood with dampers	79.88	22.63	34.25	0.00	14.00	6.00	12.98
	Traq damper; std/to top std, to bottom damper; low-flow only/bottom damper	79.88	22.63	34.25	0.00	14.00	6.00	12.98
25	Back inlet hood	79.88	25.63	39.50				
	Back inlet hood with dampers	79.88	25.63	39.50	0.00	10.88	6.00	15.21
	Traq damper; std; low-flow	79.88	25.63	39.50	0.00	10.88	6.00	15.21
30	Back inlet hood	93.38	27.75	44.63				
	Back inlet hood with dampers	93.38	27.75	44.63	0.00	11.38	6.00	20.24
	Traq damper; std only, to bottom damper; low-flow only/bottom damper	93.38	27.75	44.63	0.00	11.38	6.00	20.24
35	Back inlet hood	99.88	27.75	44.63	0.00	11.50	6.00	21.95
40	Back inlet hood	112.38	27.75	44.63	0.00	11.50	6.00	25.24
50	Back inlet hood	125.38	29.50	47.50	0.00	16.38	6.00	29.87

Table 142. Back inlet hood dimensions (inches) (continued)

Unit size	Section	W	D	H	A	B	E	Permanent Filter Eliminator Net Area ft ²
57	Back inlet hood	125.38	33.00	54.50	0.00	17.88	6.00	35.15
66	Back inlet hood	126.00	42.63	74.50	7.38	13.38	6.00	49.27
80	Back inlet hood	126.00	45.13	79.50	7.38	15.88	6.00	53.06
100	Back inlet hood	140.00	47.00	83.50	7.38	19.00	6.00	63.54
120	Back inlet hood	167.25	47.00	83.50	7.50	18.88	6.00	76.03

Note: 16.00 inch base rail used on bottom level of unit. 2.50 in base rail used on upper level units.

Side Inlet Hood

Table 143. Side inlet hood dimensions (inches)

Unit size	Section length	Section	W	D	H	A	B	E	Permanent Filter Eliminator Net Area ft ²
3		Side inlet hood	20.00	15.38	18.88				
	34.00	Side inlet hood with damper (L excludes top Traq)	20.00	15.38	18.88	4.88	5.88	6.00	0.96
	34.00	Side inlet hood with Traq damper (L)	20.00	15.38	18.88	4.00	5.25	6.00	0.96
	37.00	Side inlet hood with Traq damper (XL)	20.00	15.38	18.88	4.00	5.25	6.00	0.96
4		Side inlet hood	20.00	15.38	18.88				
	34.00	Side inlet hood with damper (L excludes top Traq)	20.00	15.38	18.88	5.88	4.88	6.00	0.96
	34.00	Side inlet hood with damper (XL)	20.00	15.38	18.88	12.88	4.88	6.00	0.96
	34.00	Side inlet hood with Traq damper (L)	20.00	15.38	18.88	4.00	5.25	6.00	0.96
	41.00	Side inlet hood with Traq damper (XL)	20.00	15.38	18.88	1.50	5.25	6.00	0.96
6		Side inlet hood	20.00	17.50	22.75				
	34.00	Side inlet hood with damper (L excludes top Traq)	20.00	17.50	22.75	5.88	5.63	6.00	1.26
	34.00	Side inlet hood with Traq damper (L)	20.00	17.50	22.75	4.00	6.50	6.00	1.26
8		Side inlet hood	20.00	19.75	27.25				
	36.00	Side inlet hood with damper (L)	20.00	19.75	27.25	6.38	7.38	6.00	1.61
	Top	Side inlet hood with damper (XL)	20.00	19.75	27.25	21.63	5.25	6.00	1.61
	36.00	Side inlet hood with Traq damper (L)	20.00	19.75	27.25	6.00	5.25	6.00	1.61
	44.00	Side inlet hood with Traq damper (XL)	20.00	19.75	27.25	6.00	5.25	6.00	1.61
10		Side inlet hood	22.88	19.75	27.25				
	36.00	Side inlet hood with damper (L)	22.88	19.75	27.25	5.75	4.75	6.00	2.03
	36.00	Side inlet hood with Traq damper (L)	22.88	19.75	27.25	2.13	4.75	6.00	2.03
12		Side inlet hood	22.88	23.00	34.00				
	36.00	Side inlet hood with damper (L)	22.88	23.00	34.00	5.13	5.13	6.00	2.68
	42.50	Side inlet hood with damper (XL excludes top Traq)	22.88	23.00	34.00	4.00	5.13	6.00	2.68
	36.00	Side inlet hood with Traq damper (L)	22.88	23.00	34.00	2.63	5.13	6.00	2.68
	42.50	Side inlet hood with Traq damper (XL)	22.88	23.00	34.00	2.63	5.13	6.00	2.68



Dimensions

Table 143. Side inlet hood dimensions (inches) (continued)

Unit size	Section length	Section	W	D	H	A	B	E	Permanent Filter Eliminator Net Area ft ²
14		Side inlet hood	31.38	21.13	34.75				
	36.00	Side inlet hood with damper (L excludes back Traq)	31.38	21.13	34.75	2.38	4.63	6.00	4.51
	42.50	Side inlet hood with damper (L back Traq)	31.38	21.13	34.75	2.00	4.63	6.00	4.51
	36.00	Side inlet hood with Traq damper (L exclude to top Traq only)	31.35	21.12	34.75	2.31	4.63	6.00	4.51
17		Side inlet hood	25.75	24.75	37.50				
	36.00	Side inlet hood with damper (L exclude back Traq)	25.75	24.75	37.50	6.38	4.88	6.00	3.49
	36.00	Side inlet hood with damper (L back Traq)	25.75	24.75	37.50	1.50	8.63	6.00	3.49
	36.00	Side inlet hood with Traq damper (L exclude to back Traq only)	25.75	24.75	37.50	2.88	4.88	6.00	3.49
	36.00	Side inlet hood with Traq damper (L to back Traq only)	25.75	24.75	37.50	2.88	4.88	6.00	3.49
21		Side inlet hood	29.13	27.75	43.75				
	34.00	Side inlet hood with damper (L)	29.13	27.75	43.75	3.25	6.75	6.00	5.09
	50.25	Side inlet hood with damper (XL)	29.13	27.75	43.75	3.25	5.00	6.00	5.09
	34.00	Side inlet hood with Traq damper (L exclude bottom damper)	29.13	27.75	43.75	2.63	4.88	6.00	5.09
	34.00	Side inlet hood with Traq damper (L bottom damper)	29.13	27.75	43.75	2.63	6.75	6.00	5.09
	50.25	Side inlet hood with Traq damper (XL)	29.13	27.75	43.75	1.50	4.88	6.00	5.09
25		Side inlet hood	25.75	32.13	52.75				
	46.00	Side inlet hood with damper (L)	25.75	32.13	52.75	6.38	5.63	6.00	5.30
	56.50	Side inlet hood with damper (XL)	25.75	32.13	52.75	6.38	5.63	6.00	5.30
	46.00	Side inlet hood with Traq damper (L)	25.75	32.13	52.75	7.00	5.63	6.00	5.30
	top	Side inlet hood with Traq damper (XL)	25.75	32.13	52.75	7.00	5.63	6.00	5.30
30		Side inlet hood	27.88	35.25	54.38				
	46.00	Side inlet hood with damper (L)	27.88	35.25	54.38	4.38	4.88	6.00	6.15
	56.50	Side inlet hood with damper (XL)	27.88	35.25	54.38	4.38	4.88	6.00	6.15
	46.00	Side inlet hood with Traq damper (L)	27.88	35.25	54.38	9.13	4.75	6.00	6.15
	56.50	Side inlet hood with Traq damper (XL exclude top Traq)	27.88	35.25	54.38	9.13	4.75	6.00	6.15
35		Side inlet hood	40.88	34.00	56.50				
	48.00	Side inlet hood with damper (L)	40.88	34.00	56.50	3.63	6.88	6.00	10.99
	48.00	Side inlet hood with Traq damper (L)	40.88	34.00	56.50	3.63	6.88	6.00	10.99
	63.75	Side inlet hood with Traq damper (XL)	40.88	34.00	56.50	9.63	6.88	6.00	10.99
40		Side inlet hood	40.88	35.00	58.50				
	48.00	Side inlet hood with damper (L)	40.88	35.00	58.50	3.63	5.88	6.00	11.44
	48.00	Side inlet hood with Traq damper (L)	40.88	35.00	58.50	3.63	5.88	6.00	11.44
	63.75	Side inlet hood with Traq damper (XL)	40.88	35.00	58.50	9.63	5.88	6.00	11.44
50		Side inlet hood	39.63	38.75	66.25				
	48.00	Side inlet hood with damper (L)	39.63	38.75	66.25	5.25	6.25	6.00	12.35
	48.00	Side inlet hood with Traq damper (L)	39.63	38.75	66.25	5.25	6.25	6.00	12.35
57		Side inlet hood	37.25	43.38	75.75				
	48.00	Side inlet hood with damper (L)	37.25	43.38	75.75	6.38	6.25	6.00	13.30
	68.50	Side inlet hood with Traq damper (XL)	37.25	43.38	75.75	5.38	6.25	6.00	13.30

Table 143. Side inlet hood dimensions (inches) (continued)

Unit size	Section length	Section	W	D	H	A	B	E	Permanent Filter Eliminator Net Area ft ²
66		Side inlet hood	37.25	48.63	76.38				
	49.00	Side inlet hood with damper	37.25	48.63	76.38	5.38	11.50	6.00	13.40
	49.00	Side inlet hood with Traq damper (L)	37.25	48.63	76.38	5.38	11.50	6.00	13.40
	84.00	Side inlet hood with Traq damper (XL)	37.25	48.63	76.38	7.38	11.50	6.00	13.40
80		Side inlet hood with Traq damper	40.63	57.13	90.88				
	54.00	Side inlet hood with damper	37.25	57.13	90.88	5.38	12.00	6.00	15.99
	54.00	Side inlet hood with Traq damper (L)	40.63	57.13	90.88	5.75	12.00	6.00	17.86
	92.00	Side inlet hood with Traq damper (XL)	40.63	57.13	90.88	5.75	12.00	6.00	17.86
100	60.00	Side inlet hood with damper	43.00	60.50	100.88	5.38	14.25	6.00	19.28
	96.00	Side inlet hood with Traq damper (XL)	74.88	60.50	100.88	5.50	14.25	6.00	39.79
120	60.00	Side inlet hood with damper	48.75	63.00	101.88	5.38	13.25	6.00	23.24
	96.00	Side inlet hood with Traq damper (XL)	72.00	63.00	101.88	7.88	13.25	6.00	38.38

Exhaust Hood - Exhaust Damper Section

Table 144. Exhaust hood dimensions (inches)

Unit size	Section length	Section	W	D	H	A	B	E
3	19.00	Exhaust hood with damper (L)	20.00	15.38	18.88	4.88	5.88	6.00
4	19.00	Exhaust hood with damper (L)	20.00	15.38	18.88	5.88	4.88	6.00
6	19.00	Exhaust hood with damper (L)	20.00	17.50	22.75	5.88	5.63	6.00
8	19.00	Exhaust hood with damper (L)	20.00	19.75	27.25	6.38	7.38	6.00
10	19.00	Exhaust hood with damper (L)	22.88	19.75	27.25	5.75	4.75	6.00
12	19.00	Exhaust hood with damper (L)	22.88	23.00	34.00	5.13	5.13	6.00
14	19.00	Exhaust hood with damper (L)	31.38	21.13	34.75	2.38	4.63	6.00
17	19.00	Exhaust hood with damper (L)	25.75	24.75	37.50	6.38	8.63	6.00
21	19.00	Exhaust hood with damper (L)	29.13	27.75	43.75	3.25	6.75	6.00
25	19.00	Exhaust hood with damper (L)	25.75	32.13	52.75	6.38	5.63	6.00
30	19.00	Exhaust hood with damper (L)	27.88	35.25	54.38	4.38	4.88	6.00
35	22.44	Exhaust hood with damper (L)	40.88	34.00	56.50	3.63	6.88	6.00
40	22.44	Exhaust hood with damper (L)	40.88	35.00	58.50	3.63	5.88	6.00
50	22.44	Exhaust hood with damper (L)	39.63	38.75	66.25	5.25	6.25	6.00
57	22.44	Exhaust hood with damper (L)	37.25	43.38	75.75	6.38	6.25	6.00
66	22.44	Exhaust hood with damper	37.25	48.63	76.38	2.13	8.13	6.00
80	22.44	Exhaust hood with damper	37.25	57.13	90.88	2.13	8.63	6.00
100	22.44	Exhaust hood with damper	43.00	60.50	100.88	2.00	10.88	6.00
120	22.44	Exhaust hood with damper	48.75	63.00	101.88	2.13	9.88	6.00



Dimensions

Table 145. Direct drive fan section side exhaust hood dimensions (inches)

Unit Size	A	B	D	H	W	E
4	10.00	10.50	20.89	16.00	19.97	2.50
6	12.00	12.25	21.47	20.50	19.97	2.50
8	6.00	11.75	26.86	23.50	25.72	2.50
10	7.50	11.75	26.86	23.50	25.72	2.50
12	11.00	11.00	27.23	28.00	25.72	2.50
14	10.13	10.75	32.49	28.25	31.47	2.50
17	5.75	15.75	37.98	30.75	37.22	2.50
21	8.50	19.50	37.98	30.75	37.22	2.50
25	7.50	15.00	34.00	44.00	31.47	2.50
30	5.00	15.00	39.50	44.00	37.22	2.50
35	5.00	13.25	39.50	49.25	37.22	2.50
40	5.00	13.25	45.00	49.25	42.97	2.50
50	5.00	14.35	45.00	56.65	42.97	2.50
57	5.00	15.10	45.00	65.65	42.97	2.50
66	5.00	12.10	45.00	75.65	42.97	6.00
80	5.00	16.10	45.00	86.65	42.97	6.00
100	5.00	16.10	56.25	86.65	54.47	6.00
120	5.00	16.10	56.25	86.65	54.47	6.00

Table 146. Motorized impeller fan section side exhaust hood (inches)

Unit Size	A	B	D	H	W	E
3	10.47	11.12	20.89	16.00	19.97	2.50
4	3.47	9.12	20.89	16.00	19.97	2.50
6	3.47	9.12	21.47	20.50	19.97	2.50
8	3.47	9.12	21.82	25.00	19.97	2.50
10	3.47	9.12	23.92	25.00	22.30	2.50
12	3.47	7.12	24.30	31.75	22.30	2.50
14	3.47	7.12	27.23	28.00	25.72	2.50
17	6.47	7.12	27.62	35.25	25.72	2.50
21	3.47	8.12	27.83	41.50	25.72	2.50
25	3.47	8.12	34.00	50.50	25.72	2.50
30	6.47	6.12	39.50	53.25	26.22	2.50
35	3.47	9.12	39.50	50.25	31.47	2.50
40	3.47	9.12	45.00	52.75	34.35	2.50
50	3.47	9.12	45.00	61.50	37.22	2.50
57	3.47	9.12	45.00	70.50	37.22	2.50

Economizer Exhaust Hood

Table 147. Economizer exhaust hood dimensions (inches)

Unit Size	Section length	W	D	H	A	B	E	D + 1-inch Gutter
3	45.50	20.00	15.38	18.88	2.00	11.25	6.00	16.38
4	49.00	20.00	15.38	18.88	2.00	11.25	6.00	16.38
6	49.50	20.00	17.50	22.75	2.00	13.50	6.00	18.50
8	48.00	20.00	19.75	27.25	2.00	11.50	6.00	20.75
10	53.00	22.88	19.75	27.25	2.00	11.50	6.00	20.75
12	53.00	22.88	23.00	34.00	2.00	8.63	6.00	24.00
14	56.50	31.38	21.13	34.75	2.00	8.13	6.00	22.13
17	52.00	25.75	24.75	37.50	2.00	12.50	6.00	25.75
21	62.50	29.13	27.75	43.75	2.13	10.13	6.00	28.75
25	57.00	25.75	32.13	52.75	2.13	9.88	6.00	33.13
30	62.50	27.88	35.25	54.38	2.13	8.38	6.00	36.25
35	75.00	40.88	34.00	56.50	2.00	11.75	6.00	35.00
40	83.00	40.88	35.00	58.50	2.00	9.75	6.00	36.00
50	72.00	39.63	38.75	66.25	2.00	10.50	6.00	39.75
57	75.50	37.25	43.38	75.75	2.00	10.75	6.00	44.38
66	83.00	37.25	48.63	76.38	1.88	11.50	6.00	49.63
80	86.00	37.25	57.13	90.88	1.88	12.00	6.00	58.13
100	93.00	43.00	60.50	100.88	1.88	14.25	6.00	61.50
120	93.00	48.75	63.00	101.88	1.88	13.75	6.00	64.00

Horizontal Motorized Impeller Hood

Figure 97. Horizontal motorized impeller exhaust damper hood

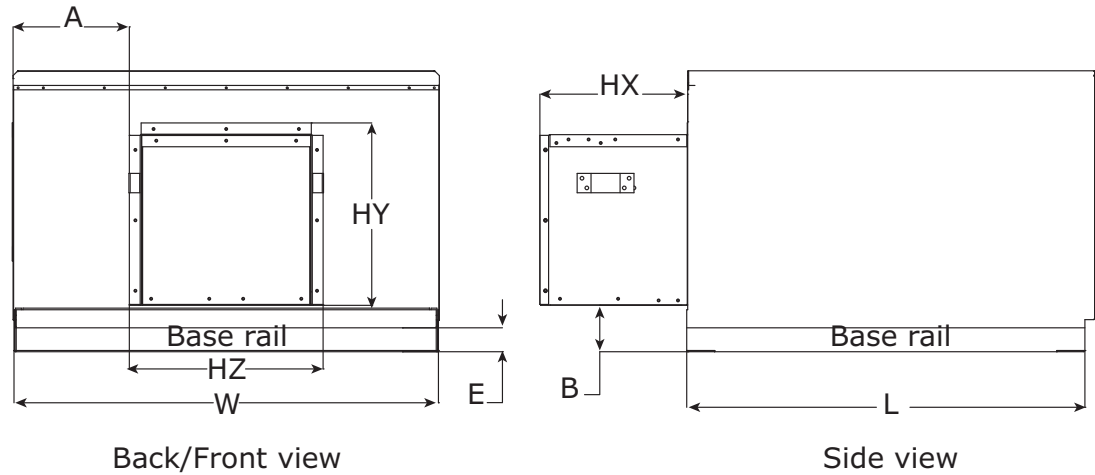


Table 148. Horizontal motorized impeller front/back hood dimensions (inches)

Unit Size	W	HZ	HY	HX	A (Dimensions from opposite drive side)	B	E
3	31.50	20.00	18.82	15.26	5.75	6.71	2.50
4	44.00	20.00	18.82	15.26	3.00	6.14	2.50
6	44.00	20.00	22.75	17.46	3.00	7.75	2.50
8	50.50	20.00	27.25	19.65	6.25	6.30	2.50
10	61.50	22.78	27.25	19.65	10.36	7.55	2.50
12	66.50	22.78	34.00	22.94	12.86	5.55	2.50
14	72.00	31.35	34.75	21.11	20.33	5.18	2.50
17	72.00	25.75	37.50	24.65	23.13	9.30	2.50
21	80.00	29.08	43.75	27.69	25.46	8.68	2.50
25	80.00	25.75	52.75	32.08	27.13	4.22	2.50
30	93.50	27.78	54.28	35.13	32.86	6.49	2.50
35	100.00	40.78	56.50	33.91	29.61	5.98	2.50
40	112.50	40.78	58.50	34.88	35.86	4.98	2.50
50	125.50	39.61	66.25	38.66	42.95	7.00	2.50
57	125.50	37.25	75.75	43.29	44.13	7.25	2.50

Vertical Motorized Impeller Hood

Figure 98. Vertical motorized impeller hood

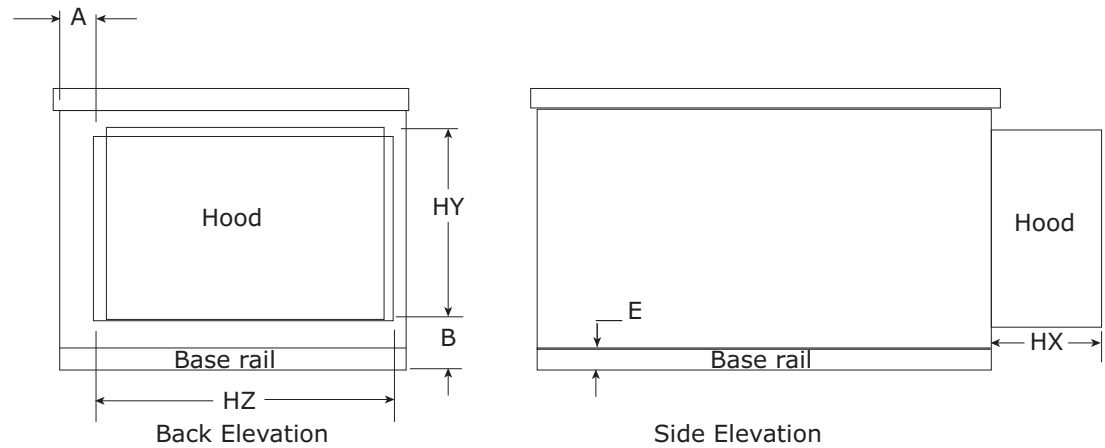


Figure 99. Vertical motorized impeller front/back hood dimensions (inches)

Unit Size	W	D	H	A	B	E
3	20.00	15.38	18.88	4.88	5.88	2.50
4	20.00	15.38	18.88	5.88	4.88	2.50
6	20.00	17.50	22.75	5.88	5.63	2.50
8	20.00	19.75	27.25	6.38	7.38	2.50
10	22.88	19.75	27.25	5.75	4.75	2.50
12	22.88	23.00	34.00	5.13	5.13	2.50
14	31.38	21.13	34.75	2.38	4.63	2.50
17	25.75	24.75	37.50	6.38	8.63	2.50
21	29.13	27.75	43.75	3.25	6.75	2.50
25	25.75	32.13	52.75	6.38	5.63	2.50
30	27.88	35.25	54.38	4.38	4.88	2.50
35	40.88	34.00	56.50	3.63	6.88	2.50
40	40.88	35.00	58.50	3.63	5.88	2.50
50	39.63	38.75	66.25	5.25	6.25	2.50

Humidifier

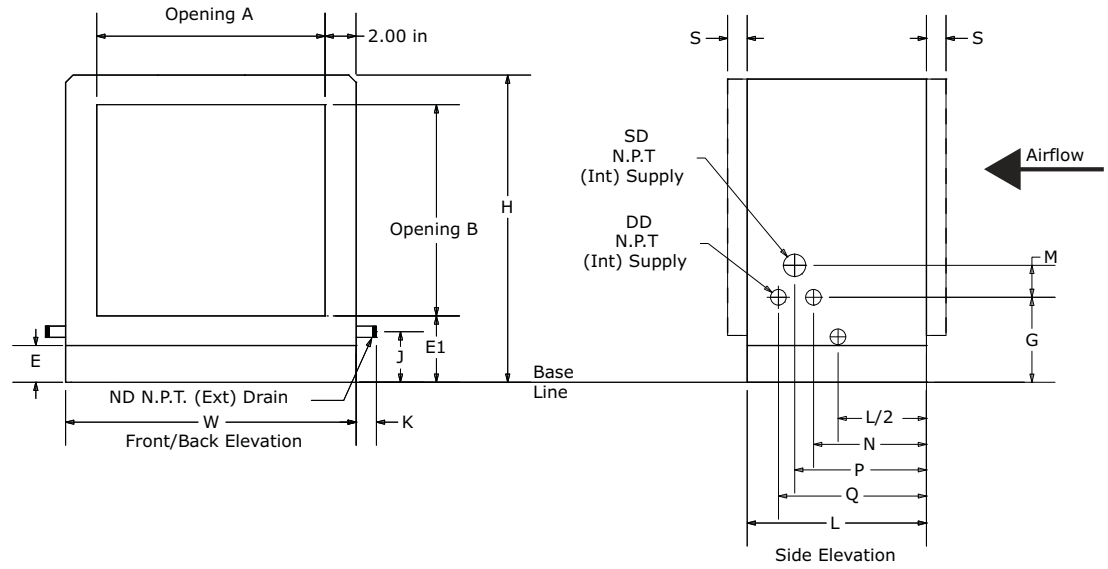
Figure 100. Atmospheric steam humidifier


Table 149. Humidifier - atmospheric steam - dimensions (inches)

Unit size	W	H	L	Front/back opening		Base ²		G	J	K	M	N	P	Q	Pipe diameter			S ¹
				A	B	E	E1								SD	DD	ND	
3	31.50	29.00	14.00	27.50	22.50	2.50	4.50	7.18	3.38	2.63	4.76	5.29	8.27	n/a	2.00	1.00	1.00	1.00
4	44.00	29.00	14.00	40.00	22.50	2.50	4.50	7.18	3.38	2.63	4.76	5.29	8.27	n/a	2.00	1.00	1.00	1.00
6	44.00	35.25	14.00	40.00	28.75	2.50	4.50	7.18	3.38	2.63	4.76	5.29	8.27	n/a	2.00	1.00	1.00	1.00
8	50.50	37.75	14.00	46.50	31.25	2.50	4.50	7.18	3.38	2.63	4.76	5.29	8.27	n/a	2.00	1.00	1.00	1.00
10	61.50	37.75	14.00	57.50	31.25	2.50	4.50	7.18	3.38	2.63	4.76	5.29	8.27	n/a	2.00	1.00	1.00	1.00
12	66.50	41.50	14.00	62.50	35.00	2.50	4.50	7.18	3.38	2.63	4.76	5.29	8.27	n/a	2.00	1.00	1.00	1.00
14	72.00	41.50	14.00	68.00	35.00	2.50	4.50	7.18	3.38	2.63	4.76	5.29	8.27	n/a	2.00	1.00	1.00	1.00
17	72.00	49.00	14.00	68.00	42.50	2.50	4.50	6.93	3.38	2.63	4.76	5.29	8.27	n/a	4.00	1.00	1.00	1.00
21	80.00	52.75	14.00	76.00	46.25	2.50	4.50	6.93	3.38	2.63	4.76	5.29	8.27	n/a	4.00	1.00	1.00	1.00
25	80.00	61.50	14.00	76.00	55.00	2.50	4.50	6.93	3.38	2.63	4.76	5.29	8.27	n/a	4.00	1.00	1.00	1.00
30	93.50	61.50	19.00	89.50	55.00	2.50	4.50	7.07	3.38	2.63	4.76	7.79	10.77	13.75	4.00	1.00	1.00	1.00
35	100.00	67.25	19.00	96.00	60.75	2.50	4.50	7.07	3.38	3.63	4.76	7.79	10.77	13.75	4.00	1.00	1.25	1.00
40	112.50	67.25	19.00	108.50	60.75	2.50	4.50	7.07	3.38	3.63	4.76	7.79	10.77	13.75	4.00	1.00	1.25	1.00
50	125.50	75.75	19.00	121.50	69.25	2.50	4.50	7.07	3.38	3.63	4.76	7.79	10.77	13.75	4.00	1.00	1.25	1.00
57	125.50	85.50	19.00	121.50	79.00	2.50	4.50	7.07	3.38	3.63	4.76	7.79	10.77	13.75	4.00	1.00	1.25	1.00
66	140.50	92.50	19.00	136.50	82.50	6.00	8.00	10.57	6.13	3.63	4.76	7.79	10.77	13.75	4.00	1.00	1.50	1.00
80	140.50	107.50	19.00	136.50	97.50	6.00	8.00	10.57	6.13	3.63	4.76	7.79	10.77	13.75	4.00	1.00	1.50	1.00
100	154.50	119.75	19.00	150.50	109.75	6.00	8.00	10.57	6.13	3.63	4.76	7.79	10.77	13.75	4.00	1.00	1.50	1.00
120	182.00	119.75	19.00	178.00	109.75	6.00	8.00	10.57	6.13	3.63	4.76	7.79	10.77	13.75	4.00	1.00	1.50	1.00

Figure 101. Direct-steam humidifier

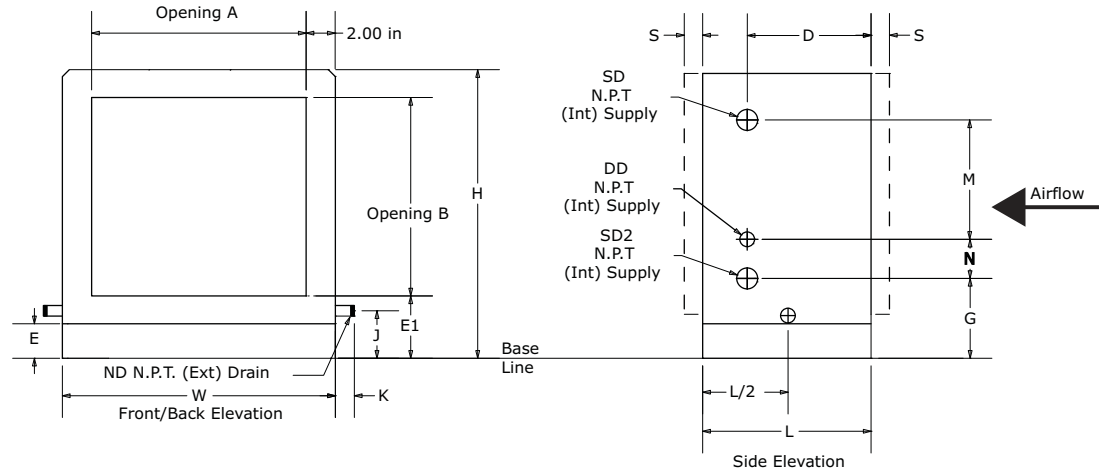
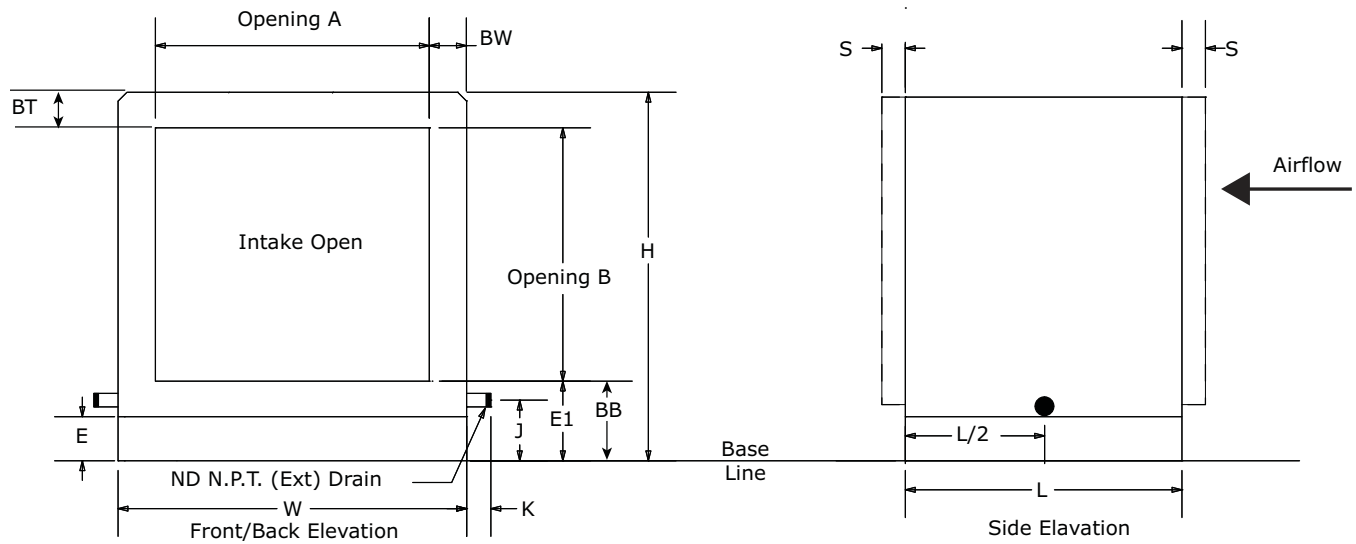
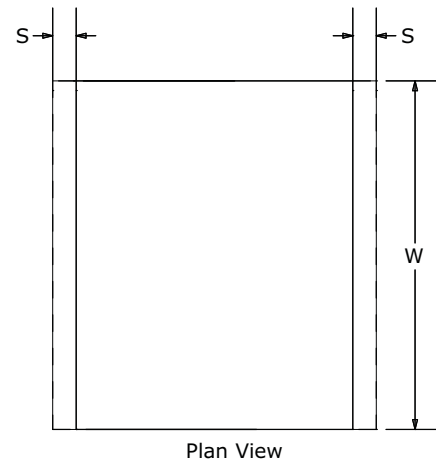


Table 150. Humidifier - direct steam - dimensions (inches)

Unit size	Front/back opening			Base					Pipe diameter					S				
	W	H	L	A	B	D	E	E1	G	J	K	M	N		SD	SD2	DD	ND
3	31.50	29.00	14.00	27.50	22.50	8.27	2.50	4.50	7.90	3.38	2.63	10.04	5.66	2.00	2.00	1.00	1.00	1.00
4	44.00	29.00	14.00	40.00	22.50	8.27	2.50	4.50	7.90	3.38	2.63	10.04	5.66	2.00	2.00	1.00	1.00	1.00
6	44.00	35.25	14.00	40.00	28.75	8.27	2.50	4.50	8.07	3.38	2.63	15.94	5.66	2.00	2.00	1.00	1.00	1.00
8	50.50	37.75	14.00	46.50	31.25	8.27	2.50	4.50	9.32	3.38	2.63	15.94	5.66	2.00	2.00	1.00	1.00	1.00
10	61.50	37.75	14.00	57.50	31.25	8.27	2.50	4.50	9.32	3.38	2.63	15.94	5.66	2.00	2.00	1.00	1.00	1.00
12	66.50	41.50	14.00	62.50	35.00	8.27	2.50	4.50	8.24	3.38	2.63	21.85	5.66	2.00	2.00	1.00	1.00	1.00
14	72.00	41.50	14.00	68.00	35.00	8.27	2.50	4.50	8.24	3.38	2.63	21.85	5.66	2.00	2.00	1.00	1.00	1.00
17	72.00	49.00	14.00	68.00	42.50	8.27	2.50	4.50	9.04	3.38	2.63	27.76	5.66	2.00	2.00	1.00	1.00	1.00
21	80.00	52.75	14.00	76.00	46.25	8.27	2.50	4.50	10.92	3.38	2.63	27.76	5.66	2.00	2.00	1.00	1.00	1.00
25	80.00	61.50	14.00	76.00	55.00	8.27	2.50	4.50	12.34	3.38	2.63	33.66	5.66	2.00	2.00	1.00	1.00	1.00
30	93.50	61.50	14.00	89.50	55.00	8.27	2.50	4.50	12.34	3.38	2.63	33.66	5.66	2.00	2.00	1.00	1.00	1.00
35	100.00	67.25	14.00	96.00	60.75	8.27	2.50	4.50	12.26	3.38	3.63	39.57	5.66	2.00	2.00	1.00	1.25	1.00
40	112.50	67.25	14.00	108.50	60.75	8.27	2.50	4.50	12.26	3.38	3.63	39.57	5.66	2.00	2.00	1.00	1.25	1.00
50	125.50	75.75	14.00	121.50	69.25	8.27	2.50	4.50	10.60	3.38	3.63	51.38	5.66	2.00	2.00	1.00	1.25	1.00
57	125.50	85.50	14.00	121.50	79.00	8.27	2.50	4.50	9.57	3.38	3.63	63.19	5.66	2.00	2.00	1.00	1.25	1.00
66	140.50	92.50	15.00	136.50	82.50	8.77	6.00	8.00	14.82	6.13	3.63	63.19	5.66	2.00	2.00	1.00	1.50	1.00
80	140.50	107.50	15.00	136.50	97.50	8.77	6.00	8.00	19.37	6.13	3.63	69.10	5.66	2.00	2.00	1.00	1.50	1.00
100	154.50	119.75	15.00	150.50	109.75	8.77	6.00	8.00	25.50	6.13	3.63	69.10	5.66	2.00	2.00	1.00	1.50	1.00
120	182.00	119.75	15.00	178.00	109.75	8.77	6.00	8.00	25.50	6.13	3.63	69.10	5.66	2.00	2.00	1.00	1.50	1.00

Intake Section

Figure 102. Intake section





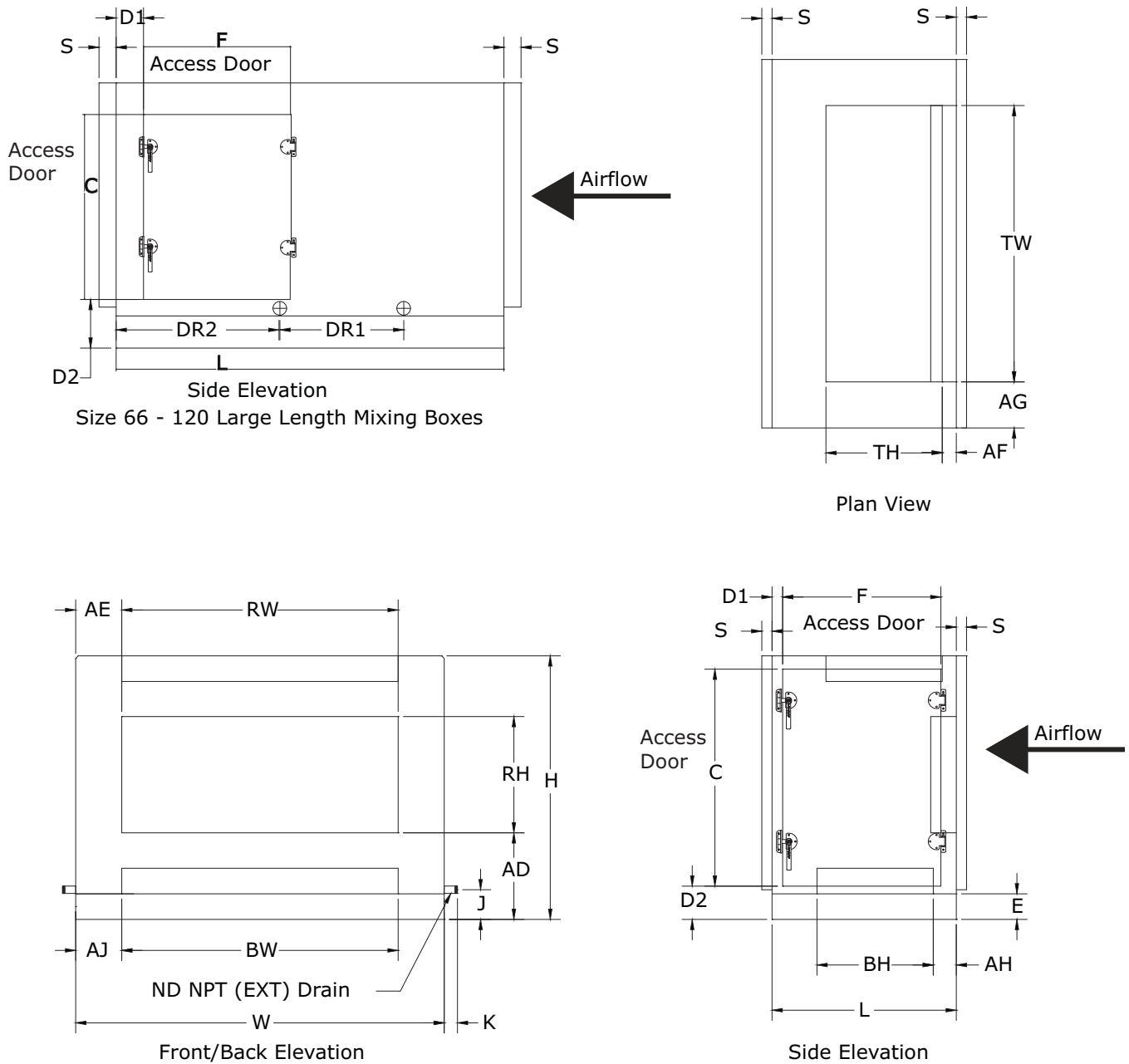
Dimensions

Table 151. Intake section dimensions (inches)

Unit Size	W	H	Std	XS	Front/Back Opening					Base	
			L	L	A	B	BW	BT	BB	E	E1
3	31.50	29.00	10.00	2.00	20.50	20.25	5.50	3.13	5.63	2.50	4.50
4	44.00	29.00	10.00	2.00	33.00	20.25	5.50	3.13	5.63	2.50	4.50
6	44.00	35.25	10.00	2.00	33.00	26.50	5.50	3.13	5.63	2.50	4.50
8	50.50	37.75	10.00	2.00	39.50	29.00	5.50	3.13	5.63	2.50	4.50
10	61.50	37.75	10.00	2.00	50.50	29.00	5.50	3.13	5.63	2.50	4.50
12	66.50	41.50	10.00	2.00	55.50	32.75	5.50	3.13	5.63	2.50	4.50
14	72.00	41.50	10.00	2.00	61.00	32.75	5.50	3.13	5.63	2.50	4.50
17	72.00	49.00	10.00	2.00	61.00	40.25	5.50	3.13	5.63	2.50	4.50
21	80.00	52.75	10.00	2.00	69.00	44.00	5.50	3.13	5.63	2.50	4.50
25	80.00	61.50	10.00	2.00	69.00	52.75	5.50	3.13	5.63	2.50	4.50
30	93.50	61.50	10.00	2.00	82.50	52.75	5.50	3.13	5.63	2.50	4.50
35	100.00	67.25	10.00	2.00	80.00	49.75	10.00	7.50	10.00	2.50	4.50
40	112.50	67.25	10.00	2.00	92.50	49.75	10.00	7.50	10.00	2.50	4.50
50	125.50	75.75	10.00	2.00	105.50	58.25	10.00	7.50	10.00	2.50	4.50
57	125.50	85.50	10.00	2.00	105.50	68.00	10.00	7.50	10.00	2.50	4.50
66	140.50	92.50	10.00	2.00	120.50	71.50	10.00	7.50	13.50	6.00	8.00
80	140.50	107.50	10.00	2.00	120.50	86.50	10.00	7.50	13.50	6.00	8.00
100	154.50	119.75	10.00	2.00	134.50	98.75	10.00	7.50	13.50	6.00	8.00
120	182.00	119.75	10.00	2.00	162.00	98.75	10.00	7.50	13.50	6.00	8.00
Unit Size	W	H	Std	XS	Std 10-in. Drain Pan		XS - 2-in. Drain Pan		Shipping Split		
			L	L	J	K	J	K	NPT	S	
3	31.50	29.00	10.00	2.00	3.38	2.63	n/a	n/a	1.00	1.00	
4	44.00	29.00	10.00	2.00	3.38	2.63	n/a	n/a	1.00	1.00	
6	44.00	35.25	10.00	2.00	3.38	2.63	n/a	n/a	1.00	1.00	
8	50.50	37.75	10.00	2.00	3.38	2.63	n/a	n/a	1.00	1.00	
10	61.50	37.75	10.00	2.00	3.38	2.63	n/a	n/a	1.00	1.00	
12	66.50	41.50	10.00	2.00	3.38	2.63	n/a	n/a	1.00	1.00	
14	72.00	41.50	10.00	2.00	3.38	2.63	n/a	n/a	1.00	1.00	
17	72.00	49.00	10.00	2.00	3.38	2.63	n/a	n/a	1.00	1.00	
21	80.00	52.75	10.00	2.00	3.38	2.63	n/a	n/a	1.00	1.00	
25	80.00	61.50	10.00	2.00	3.38	2.63	n/a	n/a	1.00	1.00	
30	93.50	61.50	10.00	2.00	3.38	2.63	n/a	n/a	1.00	1.00	
35	100.00	67.25	10.00	2.00	3.75	3.63	n/a	n/a	1.25	1.00	
40	112.50	67.25	10.00	2.00	3.75	3.63	n/a	n/a	1.25	1.00	
50	125.50	75.75	10.00	2.00	3.75	3.63	n/a	n/a	1.25	1.00	
57	125.50	85.50	10.00	2.00	3.75	3.63	n/a	n/a	1.25	1.00	
66	140.50	92.50	10.00	2.00	n/a	n/a	n/a	n/a	1.50	1.00	
80	140.50	107.50	10.00	2.00	n/a	n/a	n/a	n/a	1.50	1.00	
100	154.50	119.75	10.00	2.00	n/a	n/a	n/a	n/a	1.50	1.00	
120	182.00	119.75	10.00	2.00	n/a	n/a	n/a	n/a	1.50	1.00	

Mixing Box

Figure 103. Mixing box





Dimensions

Table 152. Mixing box door dimensions (inches)

Unit Size	W	L	H	J	ND	Door without filters			Door with filters				
						C	F	D1	C	F	D1	D2	E
3	31.50	34.00	29.00	3.38	1.00	22.25	18.75	7.63	22.25	29.00	2.13	4.25	2.50
4	44.00	34.00	29.00	3.38	1.00	22.25	18.75	7.63	22.25	29.00	2.13	4.25	2.50
6	44.00	34.00	35.25	3.38	1.00	28.50	18.75	7.63	28.50	29.00	2.13	4.25	2.50
8	50.50	36.00	37.75	3.38	1.00	31.00	18.75	8.63	31.00	31.00	2.13	4.25	2.50
10	61.50	36.00	37.75	3.38	1.00	31.00	18.75	8.63	31.00	31.00	2.13	4.25	2.50
12	66.50	36.00	41.50	3.38	1.00	34.75	18.75	8.63	34.75	31.00	2.13	4.25	2.50
14	72.00	36.00	41.50	3.38	1.00	34.75	18.75	8.63	34.75	31.00	2.13	4.25	2.50
17	72.00	36.00	49.00	3.38	1.00	42.25	20.38	7.88	42.25	31.00	2.13	4.25	2.50
21	80.00	34.00	52.75	3.38	1.00	46.00	18.75	7.63	46.00	29.00	2.13	4.25	2.50
25	80.00	46.00	61.50	3.38	1.00	54.75	20.38	12.88	54.75	31.00	2.13	4.25	2.50
30	93.50	46.00	61.50	3.38	1.00	54.75	20.38	12.88	54.75	31.00	2.13	4.25	2.50
35	100.00	48.00	67.25	3.25	1.25	60.50	20.38	13.88	60.50	20.38	2.13	4.13	2.50
40	112.50	48.00	67.25	3.25	1.25	60.50	20.38	13.88	60.50	20.38	2.13	4.13	2.50
50	125.50	48.00	75.75	3.25	1.25	69.00	20.38	13.88	69.00	23.38	2.13	4.13	2.50
57	125.50	48.00	85.50	3.25	1.25	60.50	20.38	13.88	78.75	23.38	2.13	4.13	2.50
66	140.50	49.00	92.50	6.13	1.50	60.50	20.38	14.38	82.25	23.38	2.13	7.63	6.00
80	140.50	54.00	107.50	6.13	1.50	60.50	20.38	16.88	97.25	23.38	2.13	7.63	6.00
100	154.50	60.00	119.75	6.13	1.50	60.50	20.38	19.88	109.50	23.38	2.13	7.63	6.00
120	182.00	60.00	119.75	6.13	1.50	60.50	20.38	19.88	109.50	23.38	2.13	7.63	6.00

Table 153. Mixing box without dampers

Unit Size	W	L	H	All Openings Without Dampers											
				TH	TW	BH	BW	RH	RW	AD	AE	AF	AG	AH	AJ
3	31.50	34.00	29.00	14.50	13.75	12.00	11.50	14.50	13.75	9.50	8.88	3.75	8.88	4.38	10.00
4	44.00	34.00	29.00	14.50	19.75	12.00	17.50	14.50	19.75	9.50	12.13	3.75	12.13	4.38	13.25
6	44.00	34.00	35.25	14.50	25.75	12.00	23.50	14.50	25.75	11.75	9.13	3.75	9.13	4.38	10.25
8	50.50	36.00	37.75	14.50	34.75	12.00	32.50	14.50	34.75	13.00	7.88	3.75	7.88	4.38	9.00
10	61.50	36.00	37.75	14.50	43.25	12.00	41.00	14.50	43.25	13.00	9.13	3.75	9.13	4.38	10.25
12	66.50	36.00	41.50	14.50	53.00	12.00	50.75	14.50	53.00	14.88	6.75	3.75	6.75	4.38	7.88
14	72.00	36.00	41.50	20.25	41.75	17.75	39.50	20.25	41.75	12.00	15.13	3.75	15.13	4.38	16.25
17	72.00	36.00	49.00	20.25	51.50	17.75	49.25	20.25	51.50	15.75	10.25	3.75	10.25	4.38	11.38
21	80.00	34.00	52.75	20.25	63.50	17.75	61.25	20.25	63.50	17.63	8.25	3.75	8.25	4.38	9.38
25	80.00	46.00	61.50	26.00	59.00	23.50	56.75	26.00	59.00	19.13	10.50	3.75	10.50	4.38	11.63
30	93.50	46.00	61.50	26.00	68.50	23.50	66.25	26.00	68.50	19.13	12.50	3.75	12.50	4.38	13.63
35	100.00	48.00	67.25	31.75	66.50	28.00	60.00	31.75	66.50	18.88	16.75	7.75	16.75	5.75	20.00
40	112.50	48.00	67.25	26.00	92.50	28.00	69.00	26.00	92.50	21.75	10.00	7.75	10.00	5.75	21.75
50	125.50	48.00	75.75	26.00	105.50	30.00	80.00	26.00	105.50	26.00	10.00	7.75	10.00	5.75	22.75
57	125.50	48.00	85.50	31.75	105.50	32.00	85.00	31.75	105.50	28.00	10.00	7.75	10.00	5.75	20.25
66	140.50	49.00	92.50	31.75	120.50	33.00	89.00	31.75	120.50	33.25	10.00	7.75	10.00	6.88	25.75
80	140.50	54.00	107.50	37.50	120.50	38.00	89.00	37.50	120.50	37.88	10.00	7.75	10.00	6.88	25.75
100	154.50	60.00	119.75	43.25	134.50	42.00	103.00	43.25	134.50	41.13	10.00	7.75	10.00	6.88	25.75
120	182.00	60.00	119.75	43.25	161.75	42.00	122.00	43.25	161.75	41.13	10.13	7.75	10.13	6.88	30.00

Table 154. Mixing box with airfoil damper dimensions (inches)

Unit Size	W	L	H	Front/Back/Top/Bottom Opening With Airfoil Dampers											
				TH	TW	BH	BW	RH	RW	AD	AE	AF	AG	AH	AJ
3	31.50	34.00	29.00	17.00	16.25	12.00	11.50	17.00	16.25	8.25	7.63	2.50	7.63	4.38	10.00
4	44.00	34.00	29.00	17.00	22.25	12.00	17.50	17.00	22.25	8.25	10.88	2.50	10.88	4.38	13.25
6	44.00	34.00	35.25	17.00	28.25	12.00	23.50	17.00	28.25	10.50	7.88	2.50	7.88	4.38	10.25
8	50.50	36.00	37.75	17.00	37.25	12.00	32.50	17.00	37.25	11.75	6.63	2.50	6.63	4.38	9.00
10	61.50	36.00	37.75	17.00	45.75	12.00	41.00	17.00	45.75	11.75	7.88	2.50	7.88	4.38	10.25
12	66.50	36.00	41.50	17.00	55.50	12.00	50.75	17.00	55.50	13.63	5.50	2.50	5.50	4.38	7.88
14	72.00	36.00	41.50	22.75	44.25	17.75	39.50	22.75	44.25	10.75	13.88	2.50	13.88	4.38	16.25
17	72.00	36.00	49.00	22.75	54.00	17.75	49.25	22.75	54.00	14.50	9.00	2.50	9.00	4.38	11.38
21	80.00	34.00	52.75	22.75	66.00	17.75	61.25	22.75	66.00	16.38	7.00	2.50	7.00	4.38	9.38
25	80.00	46.00	61.50	28.50	61.50	23.50	56.75	28.50	61.50	17.88	9.25	2.50	9.25	4.38	11.63
30	93.50	46.00	61.50	28.50	71.00	23.50	66.25	28.50	71.00	17.88	11.25	2.50	11.25	4.38	13.63
35	100.00	48.00	67.25	34.25	69.00	31.75	66.50	34.25	69.00	17.63	15.50	6.50	15.50	8.25	16.75
40	112.50	48.00	67.25	28.50	95.00	26.00	92.50	28.50	95.00	20.50	8.75	6.50	8.75	8.25	10.00
50	125.50	48.00	75.75	28.50	108.00	26.00	105.50	28.50	108.00	24.75	8.75	6.50	8.75	8.25	10.00
57	125.50	48.00	85.50	34.25	108.00	31.75	105.50	34.25	108.00	26.75	8.75	6.50	8.75	8.25	10.00
66	140.50	49.00	92.50	34.25	123.00	31.75	120.50	34.25	123.00	32.00	8.75	6.50	8.75	8.25	10.00
80	140.50	54.00	107.50	40.00	123.00	37.50	120.50	40.00	123.00	36.63	8.75	6.50	8.75	8.25	10.00
100	154.50	60.00	119.75	45.75	137.00	43.25	134.50	45.75	137.00	39.88	8.75	6.50	8.75	8.25	10.00
120	182.00	60.00	119.75	45.75	164.25	43.25	161.75	45.75	164.25	39.88	8.88	6.50	8.88	8.25	10.13



Dimensions

Table 155. Mixing box with Traq damper dimensions (inches)

Unit Size	W	L	H	Front/Back/Top Traq							
				TH	TW	RH	RW	AD	AE	AF	AG
3	31.50	34.00	29.00	16.13	16.13	16.13	16.13	5.50	9.75	8.63	9.75
4 top std/back low-flow	44.00	41.00	29.00	17.13	32.88	17.63	33.63	5.50	8.00	10.50	5.63
4 top std/back std	44.00	34.00	29.00	17.13	32.88	16.13	33.50	4.75	7.13	10.50	5.63
4 top low-flow/back std	44.00	34.00	29.00	18.88	32.63	16.13	33.50	4.75	7.13	7.00	5.88
6 top std/back low-flow	44.00	34.00	35.25	17.13	32.88	18.13	32.88	8.50	8.50	10.50	5.63
6 top low-flow/back std	44.00	34.00	35.25	19.38	31.88	16.13	33.88	5.00	6.25	6.50	5.88
6 top std/back std	44.00	34.00	35.25	17.13	32.88	16.13	33.88	5.00	6.25	10.50	5.63
8	50.50	44.00	37.75	27.38	39.38	28.63	37.13	4.88	6.50	10.50	5.63
10	61.50	36.00	37.75	16.13	52.13	16.13	54.13	9.00	4.50	12.50	4.88
12	66.50	42.50	41.50	27.88	58.75	20.63	59.88	7.88	3.75	7.63	3.63
14	72.00	36.00	41.50	21.75	61.38	19.75	62.75	5.25	7.13	6.13	5.38
17	72.00	36.00	49.00	21.75	61.38	19.75	62.75	12.75	5.13	6.25	5.38
21 top low-flow/back std top std/black low-flow	80.00	50.25	52.75	37.75	70.50	24.75	75.25	11.00	2.50	4.88	4.88
21 top std/back std	80.00	50.25	52.75	37.75	70.50	24.75	75.25	11.00	2.50	4.88	4.88
25 top low-flow/back std	80.00	46.00	61.50	35.25	70.75	24.75	76.25	19.75	2.00	4.63	4.63
25 top std	80.00	56.50	61.50	37.75	70.50	24.75	76.25	19.75	2.00	5.88	4.88
30	93.50	56.50	61.50	42.75	84.75	36.75	88.75	12.75	2.75	8.25	4.13
35	100.00	48.00	67.25	29.75	92.25	29.75	92.25	19.75	4.00	8.00	4.00
40	112.50	48.00	67.25	29.75	100.25	29.75	100.25	19.75	6.25	9.75	6.25
50	125.50	48.00	75.75	34.50	110.00	34.50	108.00	22.25	8.75	7.75	7.75
57	125.50	48.00	85.50	34.50	110.00	34.50	108.00	27.25	8.75	7.75	7.75
66	140.50	84.00	92.50	72.50	117.00	70.50	123.00	15.25	8.75	3.75	11.75
80	140.50	92.00	107.50	74.50	119.00	75.50	123.00	17.75	8.75	9.75	10.75
100	154.50	96.00	119.75	77.50	127.00	79.50	127.00	20.75	13.75	8.75	13.75
120	182.00	96.00	119.75	77.50	130.50	79.50	130.50	20.75	14.00	8.75	16.00

Table 156. Mixing box with Traq damper dimensions (inches)

Unit size	Ext W	Ext L	Ext H	Top/Back Traq only							
				TH	TW	RH	RW	AF	AG	AD	AE
3 Top only	31.50	34.00	29.00	16.13	16.13			8.63	9.75		
3 Back only	31.50	34.00	29.00			16.13	16.13			5.50	9.75
4 Top Std only	44.00	34.00	29.00	17.13	32.88			10.50	5.63		
4 Top Low-flow only	44.00	34.00	29.00	19.38	31.88			6.50	5.88		
4 Back Std only	44.00	34.00	29.00			16.13	34.00			4.75	7.13
4 Back Low-flow only	44.00	34.00	29.00			19.63	32.13			6.00	9.50
6 Top Std only	44.00	34.00	35.25	17.13	32.88			10.50	5.63		
6 Top Low-flow only	44.00	34.00	35.25	19.38	31.88			6.50	5.88		
6 Back Std only	44.00	34.00	35.25			16.13	33.88			5.00	6.25
6 Back Low-flow only	44.00	34.00	35.25			16.13	35.13			8.50	6.00
8 Top Std only	50.50	44.00	37.75	27.38	39.38			10.50	5.63		
8 Top Low-flow only	50.50	44.00	37.75	27.38	39.38			10.50	5.63		
8 Back Std only	50.50	36.00	37.75			28.63	37.13			4.88	6.50
8 Back Low-flow only	50.50	36.00	37.75			28.63	37.13			4.88	6.50
10 Top Std only	61.50	36.00	37.75	16.13	52.13			12.50	4.88		
10 Top Low-flow only	61.50	36.00	37.75	16.13	52.13			12.50	4.88		
10 Back Std only	61.50	36.00	37.75			16.13	54.13			9.00	4.50
10 Back Low-flow only	61.50	36.00	37.75			16.13	54.13			9.00	4.50
12 Top Std only	66.50	42.50	41.50	27.88	58.75			7.63	3.63		
12 Top Low-flow only	66.50	42.50	41.50	27.88	58.75			7.63	3.63		
12 Back Std only	66.50	36.00	41.50			22.25	59.13			17.25	4.50
12 Back Low-flow only	66.50	36.00	41.50			22.25	59.13			17.25	4.50
14 Top Std only	72.00	36.00	41.50	21.75	61.38			6.13	5.38		
14 Top Low-flow only	72.00	36.00	41.50	21.75	61.38			6.13	5.38		
14 Back Std only	72.00	36.00	41.50			19.75	62.75			17.75	7.13
14 Back Low-flow only	72.00	36.00	41.50			19.75	62.75			17.75	7.13
17 Top Std only	72.00	36.00	49.00	21.75	61.38			6.13	5.38		
17 Top Low-flow only	72.00	36.00	49.00	21.75	61.38			6.13	5.38		
17 Back Std only	72.00	36.00	49.00			19.75	62.75			17.75	5.13
17 Back Low-flow only	72.00	36.00	49.00			19.75	62.75			17.75	5.13
21 Top Std only	80.00	50.25	52.75	37.75	70.50			4.88	4.88		
21 Top Low-flow only	80.00	50.25	52.75	37.75	70.50			4.88	4.88		
21 Back Std only	80.00	34.00	52.75			24.75	75.25			17.13	2.50
21 Back Low-flow only	80.00	34.00	52.75			24.75	75.25			17.13	2.50
25 Top Std only	80.00	56.50	61.50	37.75	70.50			5.88	4.88		
25 Top Low-flow only	80.00	46.00	61.50	35.75	70.75			4.63	4.63		
25 Back Std only	80.00	46.00	61.50			24.75	75.25			19.75	2.50
25 Back Low-flow only	80.00	46.00	61.50			24.75	75.25			19.75	2.50



Dimensions

Table 156. Mixing box with Traq damper dimensions (inches) (continued)

Unit size	Ext W	Ext L	Ext H	Top/Back Traq only							
				TH	TW	RH	RW	AF	AG	AD	AE
30 Top Std only	93.50	56.50	61.50	42.75	84.75			8.25	4.13		
30 Top Low-flow only	93.50	56.50	61.50	42.75	84.75			8.25	4.13		
30 Back Std only	93.50	46.00	61.50			39.75	88.75			14.75	2.75
30 Back Low-flow only	93.50	46.00	61.50			39.75	88.75			14.75	2.75
35 Top only	100.00	48.00	67.25	29.75	92.25			8.00	4.00		
35 Back only	100.00	48.00	67.25			29.75	92.25			19.75	4.00
40 Top only	112.50	48.00	67.25	29.75	100.25			9.75	6.25		
40 Back only	112.50	48.00	67.25			29.75	100.25			19.75	6.25
50 Top only	125.50	48.00	75.75	34.50	110.00			7.75	7.75		
50 Back only	125.50	48.00	75.75			34.50	108.00			22.25	8.75
57 Top only	125.50	48.00	85.50	34.50	110.00			7.75	7.75		
57 Back only	125.50	48.00	85.50			34.50	108.00			27.25	8.75
66 Top only	140.50	84.00	92.50	72.50	117.00			3.75	11.75		
66 Back only	140.50	49.00	92.50			70.50	123.00			15.25	8.75
80 Top only	140.50	92.00	107.50	74.50	119.00			9.75	10.75		
80 Back only	140.50	54.00	107.50			75.50	123.00			17.75	8.75
100 Top only	154.50	96.00	119.75	77.50	127.00			8.75	13.75		
100 Back only	154.50	60.00	119.75			79.50	127.00			20.75	13.75
120 Top only	182.00	96.00	119.75	77.50	130.50			8.75	16.00		
120 Back only	182.00	60.00	119.75			79.50	130.50			20.75	14.00

Table 157. Mixing box with airfoil and Traq damper dimensions (inches)

Unit Size	W	L	H	Top-Bottom Airfoil/Front-Back Traq Dampers											
				TH	TW	BH	BW	RH	RW	AD	AE	AF	AG	AH	AJ
3	31.50	34.00	29.00	17.00	16.25	12.00	11.50	16.13	16.13	5.50	9.75	2.50	7.63	11.38	10.00
4 top airfoil/std	44.00	34.00	29.00	17.00	22.25			16.13	34.00	4.75	7.13	7.50	10.88		
4 bottom airfoil/std	44.00	34.00	29.00			12.00	17.50	16.13	34.63	10.50	5.50			11.38	13.25
4 top airfoil/low-flow	44.00	34.00	29.00	17.00	22.25			17.63	33.63	5.50	8.00	7.50	10.88		
4 bottom airfoil/low-flow	44.00	34.00	29.00			12.00	17.50	17.63	33.63	5.50	8.00			11.38	13.25
6 top airfoil/std	44.00	34.00	35.25	17.00	28.25			16.13	33.88	5.00	6.25	2.50	7.88		
6 top airfoil/low-flow	44.00	34.00	35.25	17.00	28.25			16.13	35.13	8.50	6.00	2.50	7.88		
6 bottom airfoil	44.00	34.00	35.25			12.00	23.50	16.13	35.13	12.50	6.00			9.38	10.25
8 top airfoil	50.50	36.00	37.75	17.00	37.25			28.63	37.13	4.88	6.50	9.50	6.63		
8 bottom airfoil	50.50	36.00	37.75			12.00	32.50	27.13	39.63	8.50	7.00			11.88	9.00
10 top airfoil	61.50	36.00	37.75	17.00	45.75			16.13	54.13	9.00	4.50	2.50	7.88		
10 bottom airfoil	61.50	36.00	37.75			12.00	41.00	16.13	54.13	18.50	4.50			4.38	10.25
12 top airfoil	66.50	36.00	41.50	17.00	55.50			23.75	58.63	4.75	5.00	2.50	5.50		
12 bottom airfoil	66.50	36.00	41.50			12.00	50.75	22.25	59.13	17.25	4.50			4.38	7.88
14 top airfoil	72.00	36.00	41.50	22.75	44.25			19.75	62.75	5.25	7.13	2.50	13.88		
14 bottom airfoil	72.00	36.00	41.50			17.75	39.50	19.75	62.75	17.75	7.13			4.38	16.25
17 top airfoil	72.00	36.00	49.00	22.75	54.00			19.75	62.75	12.75	5.13	2.50	9.00		
17 bottom airfoil	72.00	36.00	49.00			17.75	49.25	19.75	62.75	17.75	5.13			4.38	11.38
21 top airfoil	80.00	34.00	52.75	22.75	66.00			24.75	76.25	11.00	2.00	2.50	7.00		
21 bottom airfoil	80.00	34.00	52.75			17.75	61.25	24.75	76.25	17.13	2.00			4.38	9.38
25	80.00	46.00	61.50	28.50	61.50	23.50	56.75	24.75	76.25	19.75	2.00	2.50	9.25	4.38	11.63
30 top airfoil	93.50	46.00	61.50	28.50	71.00			36.75	88.75	12.75	2.75	2.50	11.25		
30 bottom airfoil	93.50	46.00	61.50			23.50	66.25	39.75	88.75	14.75	2.75			4.38	13.63
35 top airfoil/back Traq	100.00	48.00	67.25	34.25	69.00			29.75	92.25	19.75	4.00	6.50	15.50		
35 bottom airfoil/back Traq	100.00	48.00	67.25			31.75	66.50	29.75	92.25	19.75	4.00			8.25	16.75
40 top airfoil/back Traq	112.50	48.00	67.25	28.50	95.00			29.75	100.25	19.75	6.25	6.50	8.75		
40 bottom airfoil/back Traq	112.50	48.00	67.25			26.00	92.50	29.75	100.25	19.75	6.25			8.25	10.00
50 top airfoil/back Traq	125.50	48.00	75.75	28.50	108.00			34.50	108.00	22.25	8.75	6.50	8.75		
50 bottom airfoil/back Traq	125.50	48.00	75.75			26.00	105.50	34.50	108.00	22.25	8.75			8.25	10.00
57 top airfoil/back Traq	125.50	48.00	85.50	34.25	108.00			34.50	108.00	27.25	8.75	6.50	8.75		
57 bottom airfoil/back Traq	125.50	48.00	85.50			31.75	105.50	34.50	108.00	27.25	8.75			8.25	10.00
66 top airfoil/back Traq	140.50	49.00	92.50	34.25	123.00			70.50	123.00	15.25	8.75	6.50	8.75		
66 bottom airfoil/back Traq	140.50	49.00	92.50			31.75	120.50	70.50	123.00	15.25	8.75			8.25	10.00
80 top airfoil/back Traq	140.50	54.00	107.50	40.00	123.00			75.50	123.00	17.75	8.75	6.50	8.75		
80 bottom airfoil/back Traq	140.50	54.00	107.50			37.50	120.50	75.50	123.00	17.75	8.75			8.25	10.00
100 top airfoil/back Traq	154.50	60.00	119.75	45.75	137.00			79.50	127.00	20.75	13.75	6.50	8.75		
100 bottom airfoil/back Traq	154.50	60.00	119.75			43.25	134.50	79.50	127.00	20.75	13.75			8.25	10.00
120 top airfoil/back Traq	182.00	60.00	119.75	45.75	164.25			79.50	130.50	20.75	14.00	6.50	8.88		
120 bottom airfoil/back Traq	182.00	60.00	119.75			43.25	161.75	79.50	130.50	20.75	14.00			8.25	10.13



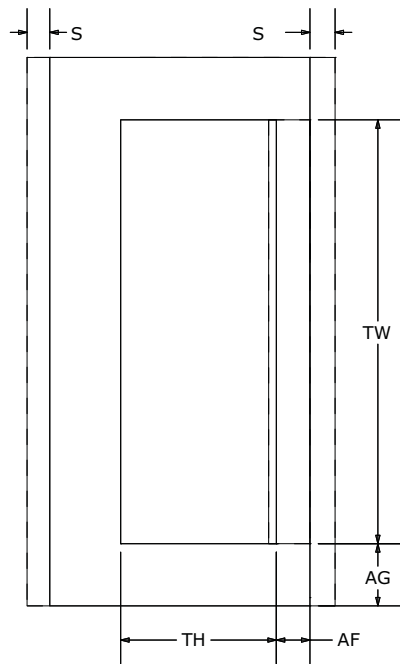
Dimensions

Table 158. Mixing box with Traq and airfoil damper dimensions (inches)

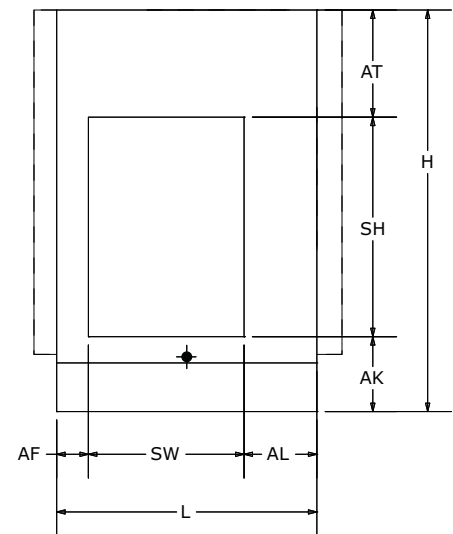
Unit Size	W	L	H	Top Traq/Front-Back-Bottom Airfoil Dampers											
				TH	TW	BH	BW	RH	RW	AD	AE	AF	AG	AH	AJ
3	31.50	34.00	29.00	16.13	16.13	12.00	11.50	17.00	16.25	8.25	7.63	8.63	9.75	4.38	10.00
4 low-flow	44.00	34.00	29.00	19.38	31.88	12.00	17.50	17.00	22.25	8.25	10.88	6.50	5.88	4.38	13.25
4 std	44.00	34.00	29.00	17.13	32.88	12.00	17.50	17.00	22.25	8.25	10.88	10.50	5.63	4.38	13.25
6 low-flow	44.00	34.00	35.25	19.38	31.88	12.00	23.50	17.00	28.25	10.50	7.88	6.50	5.88	4.38	10.25
6 std	44.00	34.00	35.25	17.13	32.88	12.00	23.50	17.00	28.25	10.50	7.88	10.50	5.63	4.38	10.25
8	50.50	44.00 ¹	37.75	27.38	39.38	12.00	32.50	17.00	37.25	11.75	6.63	10.50	5.63	4.38	9.00
10	61.50	36.00	37.75	16.13	52.13	12.00	41.00	17.00	45.75	11.75	7.88	12.50	4.88	4.38	10.25
12	66.50	42.50	41.50	27.88	58.75	12.00	50.75	17.00	55.50	13.63	5.50	7.63	3.63	4.38	7.88
14	72.00	36.00	41.50	21.75	61.38	17.75	39.50	22.75	44.25	10.75	13.88	6.13	5.38	4.38	16.25
17	72.00	36.00	49.00	21.75	61.38	17.75	49.25	22.75	54.00	14.50	9.00	6.13	5.38	4.38	11.38
21	80.00	50.25	52.75	37.75	70.50	17.75	61.25	22.75	66.00	16.38	7.00	4.88	4.88	4.38	9.38
25 low-flow	80.00	46.00	61.50	35.25	70.75	23.50	56.75	28.50	61.50	17.88	9.25	4.63	4.63	4.38	11.63
25 std	80.00	56.50	61.50	37.75	70.50	23.50	56.75	28.50	61.50	17.88	9.25	5.88	4.88	4.38	11.63
30	93.50	56.50	61.50	42.75	84.75	23.50	66.25	28.50	71.00	17.88	11.25	8.25	4.13	4.38	13.63
35	100.00	48.00	67.25	29.75	92.25	31.75	66.50	34.25	69.00	17.63	15.50	8.00	4.00	8.25	16.75
40	112.50	48.00	67.25	29.75	100.25	26.00	92.50	28.50	95.00	20.50	8.75	9.75	6.25	8.25	10.00
50	125.50	48.00	75.75	34.50	110.00	26.00	105.50	28.50	108.00	24.75	8.75	7.75	7.75	8.25	10.00
57	125.50	48.00	85.50	34.50	110.00	31.75	105.50	34.25	108.00	26.75	8.75	7.75	7.75	8.25	10.00
66	140.50	84.00	92.50	72.50	117.00	31.75	120.50	34.25	123.00	32.00	8.75	3.75	11.75	8.25	10.00
80	140.50	92.00	107.50	74.50	119.00	37.50	120.50	40.00	123.00	36.63	8.75	9.75	10.75	8.25	10.00
100	154.50	96.00	119.75	77.50	127.00	43.25	134.50	45.75	137.00	39.88	8.75	8.75	13.75	8.25	10.00
120	182.00	96.00	119.75	77.50	130.50	43.25	161.75	45.75	164.25	39.88	8.88	8.75	16.00	8.25	10.13

Short Mixing Box

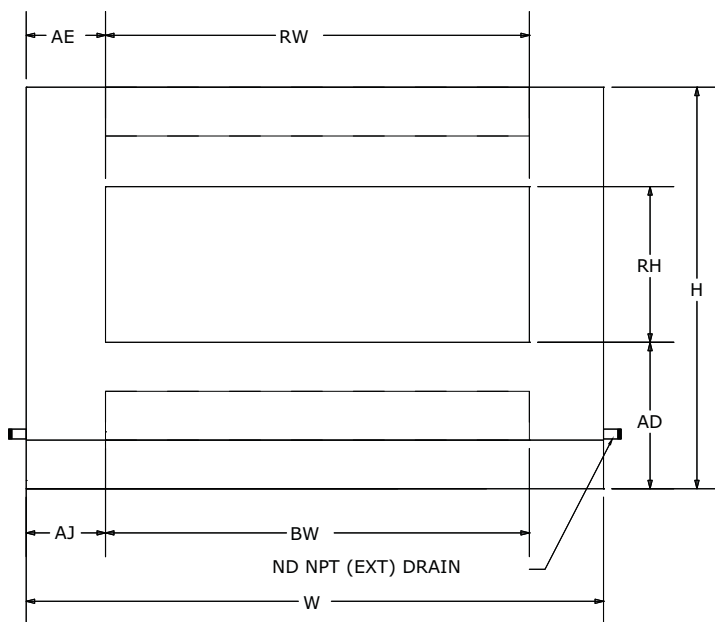
Figure 104. Short mixing box



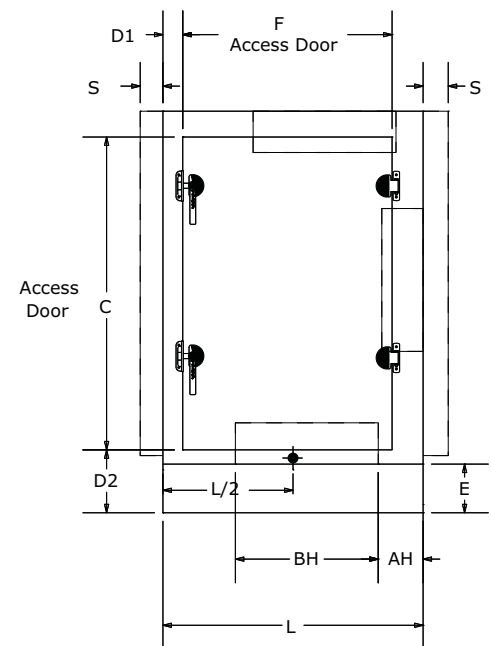
Plan View



Side damper



Front/Back Elevation



Side Elevation



Dimensions

Table 159.Short mixing box dimensions (inches)

Unit size	Ext W	Ext L	Ext H	Door C	F	D1	D2	E
3	31.50	23.38	29.00	22.25	17.38	3.13	4.25	2.50
4	44.00	23.38	29.00	22.25	17.38	3.13	4.25	2.50
6	44.00	23.38	35.25	28.50	17.38	3.13	4.25	2.50
8	50.50	23.38	37.75	31.00	17.38	3.13	4.25	2.50
10	61.50	23.38	37.75	31.00	17.38	3.13	4.25	2.50
12	66.50	23.38	41.50	34.75	17.38	3.13	4.25	2.50
14	72.00	28.38	41.50	34.75	22.38	3.13	4.25	2.50
17	72.00	28.38	49.00	42.25	22.38	3.13	4.25	2.50
21	80.00	28.38	52.75	46.00	22.38	3.13	4.25	2.50
25	80.00	28.38	61.50	54.75	22.38	3.13	4.25	2.50
30	93.50	32.50	61.50	54.75	23.38	3.13	4.25	2.50
35	100.00	35.50	67.25	60.50	23.38	3.13	4.25	2.50
40	112.50	38.50	67.25	60.50	23.38	3.13	4.25	2.50
50	125.50	41.50	75.75	69.00	23.38	3.13	4.25	2.50
57	125.50	41.50	85.50	60.50	23.38	3.13	4.25	2.50
66	140.50	41.50	92.50	60.50	23.38	3.13	7.75	6.00
80	140.50	41.50	107.50	60.50	23.38	3.13	7.75	6.00
100	154.50	47.00	119.75	60.50	23.38	3.13	7.75	6.00
120	182.00	53.00	119.75	60.50	23.38	3.13	7.75	6.00

Note: Drain pan only available without bottom damper, bottom opening and filters. Drain pan connection location is L/2. Dimensions measured from door side.

Table 160.Short mixing box with airfoil dampers dimensions (inches)

Unit size	All openings with airfoil dampers															
	TH	TW	BH	BW	RH	RW	AD	AE	AF	AG	AH	AJ	SH	SW	AK	AL
3	11.25	16.00	8.75	13.50	11.25	16.00	10.38	7.75	8.75	7.75	10.00	9.00	14.25	17.00	11.00	2.50
4	11.25	22.75	8.75	20.25	11.25	22.75	11.00	10.63	7.00	10.63	8.25	11.88	14.25	17.00	10.88	3.25
6	11.25	30.00	8.75	27.50	11.25	30.00	13.38	7.00	9.00	7.00	10.25	8.25	18.75	17.00	11.75	1.63
8	11.25	38.00	8.75	35.50	11.25	38.00	14.63	6.25	8.75	6.25	10.00	7.50	23.25	17.00	10.50	2.13
10	11.25	46.75	8.75	44.25	11.25	46.75	14.63	7.38	8.88	7.38	10.13	8.63	23.25	19.38	10.00	1.88
12	17.00	35.00	14.50	32.50	17.00	35.00	17.25	15.75	2.88	15.75	4.13	17.00	30.00	19.38	8.00	1.88
14	11.25	63.00	8.75	60.50	11.25	63.00	16.50	4.50	10.50	4.50	11.75	5.75	26.25	22.75	11.38	3.75
17	17.00	46.50	14.50	44.00	17.00	46.50	17.38	12.75	4.13	12.75	5.38	14.00	33.50	22.75	11.63	2.88
21	17.00	56.75	14.50	54.25	17.00	56.75	19.25	11.63	4.13	11.63	5.38	12.88	39.75	22.75	9.25	2.88
25	17.00	67.50	14.50	65.00	17.00	67.50	23.63	6.25	2.88	6.25	4.13	7.50	48.75	22.75	8.88	2.88
30	22.75	58.00	20.25	55.50	22.75	58.00	20.75	17.75	3.25	17.75	4.50	19.00	51.50	23.25	6.75	4.75
35	22.75	67.00	20.25	64.50	22.75	67.00	23.38	16.50	5.25	16.50	6.50	17.75	48.50	28.50	12.50	3.63
40	28.50	59.50	26.00	57.00	28.50	59.50	20.50	26.50	5.25	26.50	6.50	27.75	51.00	31.38	10.00	3.63
50	28.50	71.00	26.00	68.50	28.50	71.00	24.75	27.25	5.25	27.25	6.50	28.50	59.75	34.25	9.75	3.75
57	34.25	69.00	30.00	66.50	34.25	69.00	26.75	28.25	3.75	28.25	5.75	29.50	68.75	34.25	10.50	3.75
66	22.75	123.00	20.25	120.50	22.75	123.00	37.75	8.75	6.25	8.75	7.50	10.00	73.50	34.25	12.75	3.75
80	28.50	114.50	26.00	112.00	28.50	114.50	42.38	13.00	6.25	13.00	7.50	14.25	88.00	34.25	13.25	3.75
100	28.50	136.50	26.00	134.00	28.50	136.50	48.50	9.00	6.25	9.00	7.50	10.25	98.00	40.00	15.50	3.63
120	34.25	138.00	31.75	135.50	34.25	138.00	45.63	22.00	6.25	22.00	7.50	23.25	99.00	45.75	14.50	3.75

Table 161.Short mixing box without dampers dimensions (inches)

Unit size	All opening without dampers															
	TH	TW	BH	BW	RH	RW	AD	AE	AF	AG	AH	AJ	SH	SW	AK	AL
3	8.75	13.50	8.75	13.50	8.75	13.50	11.63	9.00	10.00	9.00	10.00	9.00	11.75	14.50	12.25	3.75
4	8.75	20.25	8.75	20.25	8.75	20.25	12.25	11.88	8.25	11.88	8.25	11.88	11.75	14.50	12.13	4.50
6	8.75	27.50	8.75	27.50	8.75	27.50	14.63	8.25	10.25	8.25	10.25	8.25	16.25	14.50	13.00	2.88
8	8.75	35.50	8.75	35.50	8.75	35.50	15.88	7.50	10.00	7.50	10.00	7.50	20.75	14.50	11.75	3.38
10	8.75	44.25	8.75	44.25	8.75	44.25	15.88	8.63	10.13	8.63	10.13	8.63	20.75	16.88	11.25	3.13
12	14.50	32.50	14.50	32.50	14.50	32.50	18.50	17.00	4.13	17.00	4.13	17.00	27.50	16.88	9.25	3.13
14	8.75	60.50	8.75	60.50	8.75	60.50	17.75	5.75	11.75	5.75	11.75	5.75	23.75	20.25	12.63	5.00
17	14.50	44.00	14.50	44.00	14.50	44.00	18.63	14.00	5.38	14.00	5.38	14.00	31.00	20.25	12.88	4.13
21	14.50	54.25	14.50	54.25	14.50	54.25	20.50	12.88	5.38	12.88	5.38	12.88	37.25	20.25	10.50	4.13
25	14.50	65.00	14.50	65.00	14.50	65.00	24.88	7.50	4.13	7.50	4.13	7.50	46.25	20.25	10.13	4.13
30	20.25	55.50	20.25	55.50	20.25	55.50	22.00	19.00	4.50	19.00	4.50	19.00	49.00	20.75	8.00	6.00
35	20.25	64.50	20.25	64.50	20.25	64.50	24.63	17.75	6.50	17.75	6.50	17.75	46.00	26.00	13.75	4.88
40	26.00	57.00	26.00	57.00	26.00	57.00	21.75	27.75	6.50	27.75	6.50	27.75	48.50	28.88	11.25	4.88
50	26.00	68.50	26.00	68.50	26.00	68.50	26.00	28.50	6.50	28.50	6.50	28.50	57.25	31.75	11.00	5.00
57	31.75	66.50	30.00	66.50	31.75	66.50	28.00	29.50	5.00	29.50	5.75	29.50	66.25	31.75	11.75	5.00
66	20.25	120.50	20.25	120.50	20.25	120.50	39.00	10.00	7.50	10.00	7.50	10.00	71.00	31.75	14.00	5.00
80	26.00	112.00	26.00	112.00	26.00	112.00	43.63	14.25	7.50	14.25	7.50	14.25	85.50	31.75	14.50	5.00
100	26.00	134.00	26.00	134.00	26.00	134.00	49.75	10.25	7.50	10.25	7.50	10.25	95.50	37.50	16.75	4.88
120	31.75	135.50	31.75	135.50	31.75	135.50	46.88	23.25	7.50	23.25	7.50	23.25	96.50	43.25	15.75	5.00



Dimensions

Table 162. Short mixing box the back damper only dimensions (inches)

Unit Size	Ext W	Ext H	L				Door									
							Without Filters			With Filters						
			w/o Filters	2 or 4 Flat	2 and 4 Combo	Angle Filter	C	F	D1	C	D1	F				
												2in Flat	4 in Flat	2 and 4 in Combo	2 or 4 in Angle Filter	
3	31.5	29	20.8	19	23	-	22.25	14.875	2.13	22.25	2.13	9.875	9.875	14.875	-	
4	44	29	20.8	19	23	-	22.25	14.875	2.13	22.25	2.13	9.875	9.875	14.875	-	
6	44	35.25	20.8	19	23	-	28.5	14.875	2.13	28.5	2.13	9.875	9.875	14.875	-	
8	50.5	37.75	20.8	19	23	-	31	14.875	2.13	31	2.13	9.875	9.875	14.875	-	
10	61.5	37.75	20.8	19	23	-	31	14.875	2.13	31	2.13	9.875	9.875	14.875	-	
12	66.5	41.5	20.8	20.6	23	-	34.75	14.875	2.13	34.75	2.13	9.875	9.875	14.875	-	
14	72	41.5	20.8	19	23	-	34.75	14.875	2.13	34.75	2.13	9.875	9.875	14.875	-	
17	72	49	20.8	22	25	-	42.25	14.875	2.13	42.25	2.13	14.875	14.875	14.875	-	
21	80	52.75	20.8	22	25	-	46	14.875	2.13	46	2.13	14.875	14.875	14.875	-	
25	80	61.5	20.8	25	28	37	54.75	14.875	2.13	54.75	2.13	14.875	14.875	20.375	31	
30	93.5	61.5	20.8	25	28	37	54.75	14.875	2.13	54.75	2.13	14.875	14.875	20.375	31	
35	100	67.25	20.8	24	27	36.5	60.5	14.875	2.13	60.5	2.13	14.875	14.875	20.375	20.375	
40	112.5	67.25	20.8	27	30	36.5	60.5	14.875	2.13	60.5	2.13	20.375	20.375	20.375	20.375	
50	125.5	75.75	20.4	32	35	43.7	69	14.875	2.13	69	2.13	20.375	20.375	23.375	23.375	
57	125.5	85.5	22.5	34	37	45.3	60.5	14.875	2.13	78.75	2.13	20.375	20.375	23.375	23.375	
66	140.5	92.5	23.8	36	39	45.3	60.5	14.875	2.13	82.25	2.13	20.375	20.375	23.375	23.375	
80	140.5	107.5	29	39	42	48.4	60.5	20.375	2.13	97.25	2.13	23.375	23.375	23.375	23.375	
100	154.5	119.75	31.2	40	43	51.4	60.5	20.375	2.13	109.5	2.13	23.375	23.375	23.375	23.375	
120	182	119.75	31.2	40	43	51.4	60.5	20.375	2.13	109.5	2.13	23.375	23.375	23.375	23.375	

Multizone

Multizone 2-Deck with Dampers

Figure 105. Multizone 2-deck horizontal discharge with dampers and inward swing door

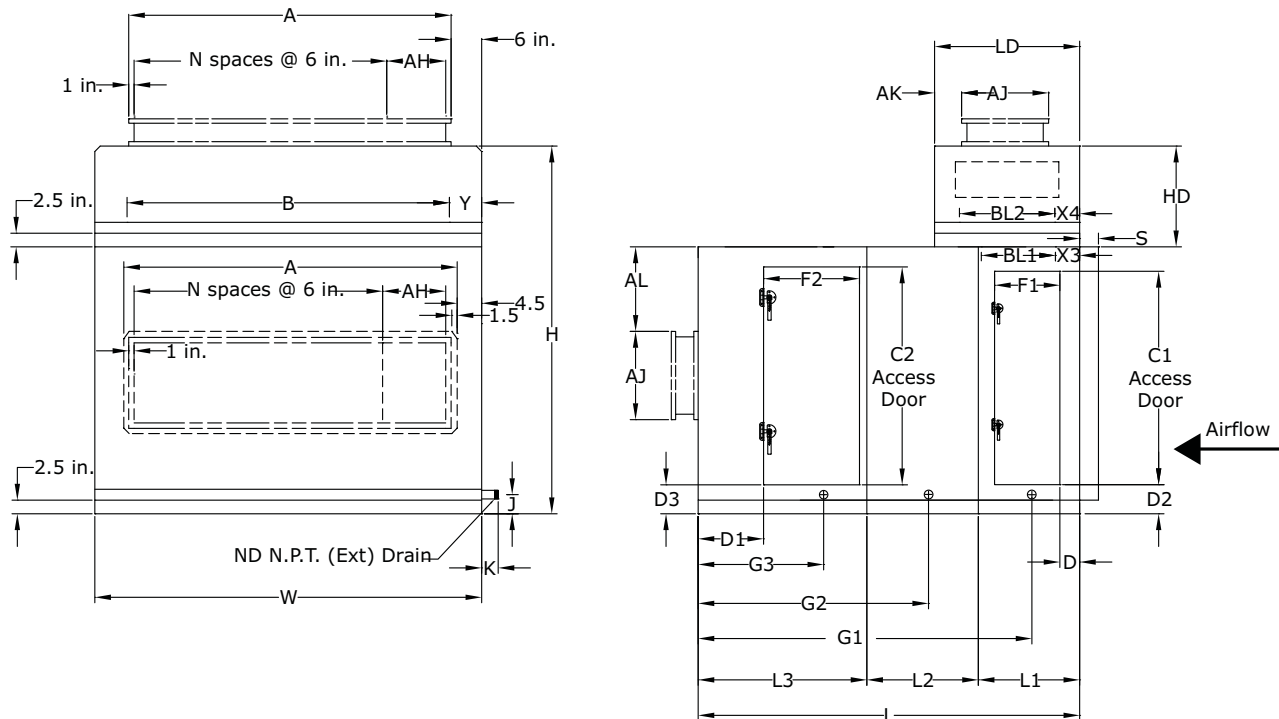


Table 163. Multizone 2-deck horizontal discharge with damper and inward swing door dimensions (inches)

Unit Size	W	L	H	Door Upstream from Coil				Door Downstream from Coil			
				C1	F1	D	D2	C2	F2	D1	D3
6	44.00	52.00	53.75	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8	50.50	52.00	56.25	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
10	61.50	64.50	56.25	28.13	17.63	3.50	5.38	n/a	n/a	n/a	n/a
12	66.50	64.50	60.00	31.88	17.63	3.50	5.38	n/a	n/a	n/a	n/a
14	72.00	64.50	60.00	31.88	17.63	3.50	5.38	n/a	n/a	n/a	n/a
17	72.00	62.50	67.50	39.38	17.63	3.50	5.38	n/a	n/a	n/a	n/a
21	80.00	70.00	72.75	43.13	19.63	3.50	5.38	43.13	12.13	4.50	5.38
25	80.00	72.00	81.50	51.88	19.63	3.50	5.38	51.88	12.13	4.50	5.38
30	93.50	72.00	81.50	51.88	19.63	3.50	5.38	51.88	12.13	4.50	5.38
35	100.00	88.00	91.50	57.63	17.63	3.50	5.38	57.63	17.63	4.50	5.38
40	112.50	88.00	91.50	57.63	17.63	3.50	5.38	57.63	17.63	4.50	5.38
50	125.50	88.00	106.50	66.13	17.63	3.50	5.38	66.13	17.63	4.50	5.38

Notes: Dimensions are to the door opening. The handle will always be on the downstream side of the door. 6-inch offset is based off the right side of the unit.



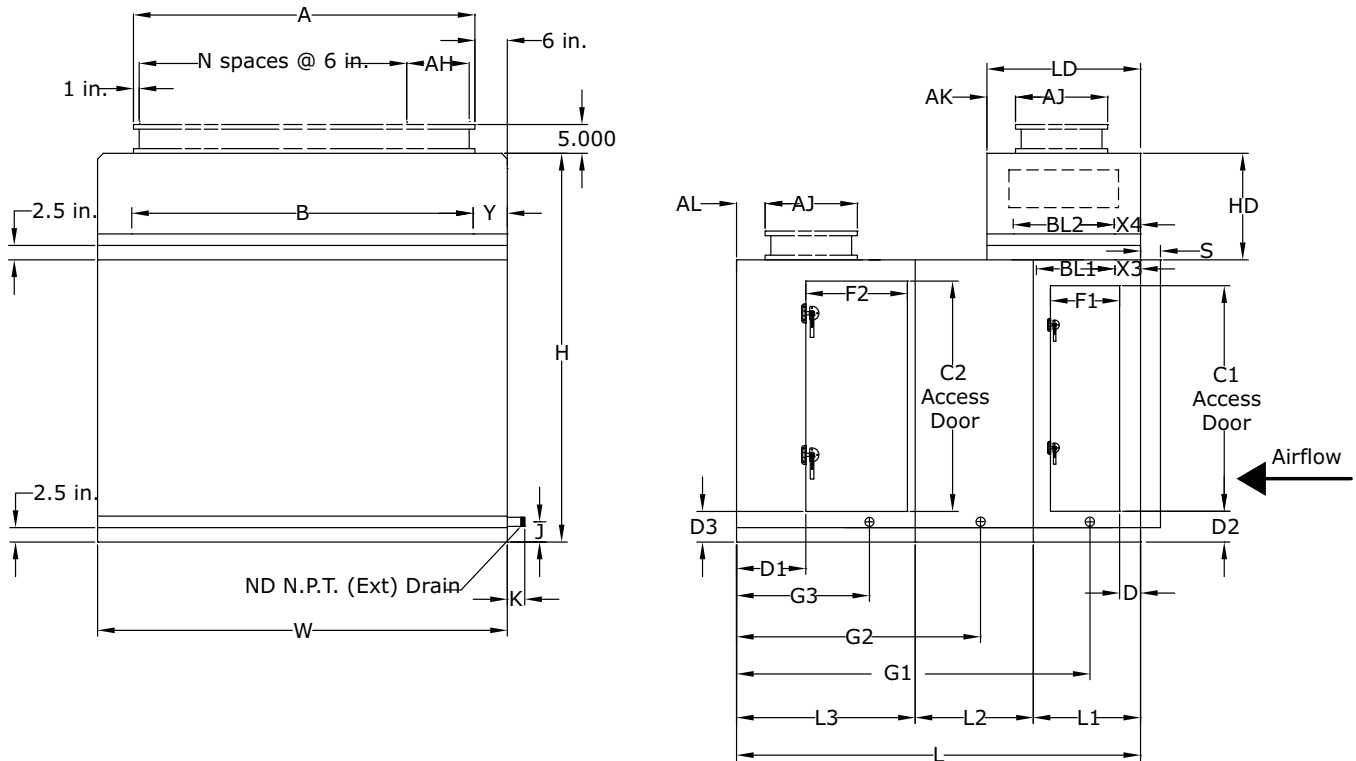
Dimensions

Table 164. Multizone 2-deck horizontal discharge with damper dimensions (inches)

Unit size	LD	HD	AL	AK	AJ	X3	BL1	X4	BL2	B	Y	AH	AM	AP
6	21.00	18.50	3.15	3.90	13.20	4.50	9.00	4.75	11.50	32.00	6.00	6.00	32.00	12.37
8	21.00	18.50	3.15	3.90	13.20	4.50	9.00	4.50	12.00	39.00	6.00	6.50	38.91	12.37
10	27.00	18.50	3.15	5.40	16.20	4.50	14.00	4.63	17.75	49.00	6.00	11.50	49.91	15.37
12	27.00	18.50	3.15	5.40	16.20	4.50	14.00	4.63	17.75	54.00	6.00	10.50	54.91	15.37
14	27.00	18.50	3.15	5.40	16.20	4.50	14.00	4.63	17.75	60.00	6.00	10.00	60.41	15.37
17	27.00	18.50	3.15	5.40	16.20	4.50	14.00	4.63	17.75	60.00	6.00	10.00	60.41	15.37
21	33.00	20.00	3.15	6.90	19.20	4.50	21.50	4.50	24.00	68.00	6.00	6.00	68.00	18.37
25	33.00	20.00	3.15	6.90	19.20	4.50	21.50	4.50	24.00	68.00	6.00	6.00	68.00	18.37
30	33.00	20.00	3.15	6.90	19.20	4.50	21.50	4.50	24.00	81.00	6.00	7.50	81.50	18.37
35	39.00	24.25	4.15	7.90	23.20	5.75	23.25	5.75	27.50	87.00	7.25	8.00	88.41	22.50
40	39.00	24.25	4.15	7.90	23.20	5.75	23.25	5.75	27.50	100.00	7.25	8.50	100.50	22.50
50	42.00	30.75	4.15	9.40	23.20	5.75	23.25	5.75	30.50	113.00	7.25	9.50	113.91	22.50

Table 165. Multizone 2-deck horizontal discharge with damper dimensions (inches)

Unit size	A	L1	L2	L3	G1	G2	G3	J	K	ND(NPT)	S
6	32.00	13.13	20.75	18.25	45.00	28.50	9.50	3.38	2.50	1.00	1.00
8	38.50	13.13	20.75	18.25	45.00	28.50	9.50	3.38	2.50	1.00	1.00
10	49.50	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
12	54.50	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
14	60.00	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
17	60.00	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
21	68.00	25.63	20.75	23.75	56.75	34.00	12.25	3.38	2.50	1.00	1.00
25	68.00	25.63	20.75	25.75	58.75	36.00	13.25	3.38	2.50	1.00	1.00
30	81.50	25.63	20.75	25.75	58.75	36.00	13.25	3.38	2.50	1.00	1.00
35	88.00	28.63	20.75	28.75	63.25	39.00	14.75	3.25	3.50	1.25	1.00
40	100.50	28.63	20.75	28.75	63.25	39.00	14.75	3.25	3.50	1.25	1.00
50	113.50	28.63	20.75	28.75	63.25	39.00	14.75	3.25	3.50	1.25	1.00

Figure 106. Multizone 2-deck vertical discharge with dampers and inward swing door

Table 166. Multizone 2-deck vertical discharge with damper and inward swing door dimensions (inches)

Unit Size	Door Upstream from Coil			Door Downstream from Coil							
	W	L	H	C1	F1	D	D2	C2	F2	D1	D3
6	44.00	52.00	53.75	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8	50.50	52.00	56.25	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
10	61.50	64.50	56.25	28.13	17.63	3.50	5.38	n/a	n/a	n/a	n/a
12	66.50	64.50	60.00	31.88	17.63	3.50	5.38	n/a	n/a	n/a	n/a
14	72.00	64.50	60.00	31.88	17.63	3.50	5.38	n/a	n/a	n/a	n/a
17	72.00	62.50	67.50	39.38	17.63	3.50	5.38	n/a	n/a	n/a	n/a
21	80.00	70.00	72.75	43.13	19.63	3.50	5.38	43.13	12.13	4.50	5.38
25	80.00	72.00	81.50	51.88	19.63	3.50	5.38	51.88	12.13	4.50	5.38
30	93.50	72.00	81.50	51.88	19.63	3.50	5.38	51.88	12.13	4.50	5.38
35	100.00	88.00	91.50	57.63	17.63	3.50	5.38	57.63	17.63	4.50	5.38
40	112.50	88.00	91.50	57.63	17.63	3.50	5.38	57.63	17.63	4.50	5.38
50	125.50	88.00	106.50	66.13	17.63	3.50	5.38	66.13	17.63	4.50	5.38

Notes: Dimensions are to the door opening. The handle will always be on the downstream side of the door.
6-inch offset is based off the right side of the unit.



Dimensions

Table 167. Multizone 2-deck vertical discharge with damper dimensions (inches)

Unit Size	LD	HD	AL	AK	AJ	X3	BL1	X4	BL2	B	Y	AH	AM	AP
6	21.00	18.50	3.15	3.90	13.20	4.50	9.00	4.75	11.50	32.00	6.00	6.00	32.00	12.37
8	21.00	18.50	3.15	3.90	13.20	4.50	9.00	4.50	12.00	39.00	6.00	6.50	38.91	12.37
10	27.00	18.50	3.15	5.40	16.20	4.50	14.00	4.63	17.75	49.00	6.00	11.50	49.91	15.37
12	27.00	18.50	3.15	5.40	16.20	4.50	14.00	4.63	17.75	54.00	6.00	10.50	54.91	15.37
14	27.00	18.50	3.15	5.40	16.20	4.50	14.00	4.63	17.75	60.00	6.00	10.00	60.41	15.37
17	27.00	18.50	3.15	5.40	16.20	4.50	14.00	4.63	17.75	60.00	6.00	10.00	60.41	15.37
21	33.00	20.00	3.15	6.90	19.20	4.50	21.50	4.50	24.00	68.00	6.00	6.00	68.00	18.37
25	33.00	20.00	3.15	6.90	19.20	4.50	21.50	4.50	24.00	68.00	6.00	6.00	68.00	18.37
30	33.00	20.00	3.15	6.90	19.20	4.50	21.50	4.50	24.00	81.00	6.00	7.50	81.50	18.37
35	39.00	24.25	4.15	7.90	23.20	5.75	23.25	5.75	27.50	87.00	7.25	8.00	88.41	22.50
40	39.00	24.25	4.15	7.90	23.20	5.75	23.25	5.75	27.50	100.00	7.25	8.50	100.50	22.50
50	42.00	30.75	4.15	9.40	23.20	5.75	23.25	5.75	30.50	113.00	7.25	9.50	113.91	22.50

Table 168. Multizone 2-deck vertical discharge with damper dimensions (inches)

Unit Size	A	L1	L2	L3	G1	G2	G3	J	K	ND (NPT)	S
6	32.00	13.13	20.75	18.25	45.00	28.50	9.50	3.38	2.50	1.00	1.00
8	38.50	13.13	20.75	18.25	45.00	28.50	9.50	3.38	2.50	1.00	1.00
10	49.50	25.63	20.75	18.25	51.25	28.50	9.50	3.38	2.50	1.00	1.00
12	54.50	25.63	20.75	18.25	51.25	28.50	9.50	3.38	2.50	1.00	1.00
14	60.00	25.63	20.75	18.25	51.25	28.50	9.50	3.38	2.50	1.00	1.00
17	60.00	23.63	20.75	18.25	50.25	28.50	9.50	3.38	2.50	1.00	1.00
21	68.00	25.63	20.75	23.75	56.75	34.00	12.25	3.38	2.50	1.00	1.00
25	68.00	25.63	20.75	25.75	58.75	36.00	13.25	3.38	2.50	1.00	1.00
30	81.50	25.63	20.75	25.75	58.75	36.00	13.25	3.38	2.50	1.00	1.00
35	88.00	28.63	20.75	38.75	73.25	49.00	24.75	3.25	3.50	1.25	1.00
40	100.50	28.63	20.75	38.75	73.25	49.00	24.75	3.25	3.50	1.25	1.00
50	113.50	28.63	20.75	38.75	73.25	49.00	24.75	3.25	3.50	1.25	1.00

Multizone 2-deck without Dampers

Figure 107. Multizone 2-deck horizontal discharge and inward swing door

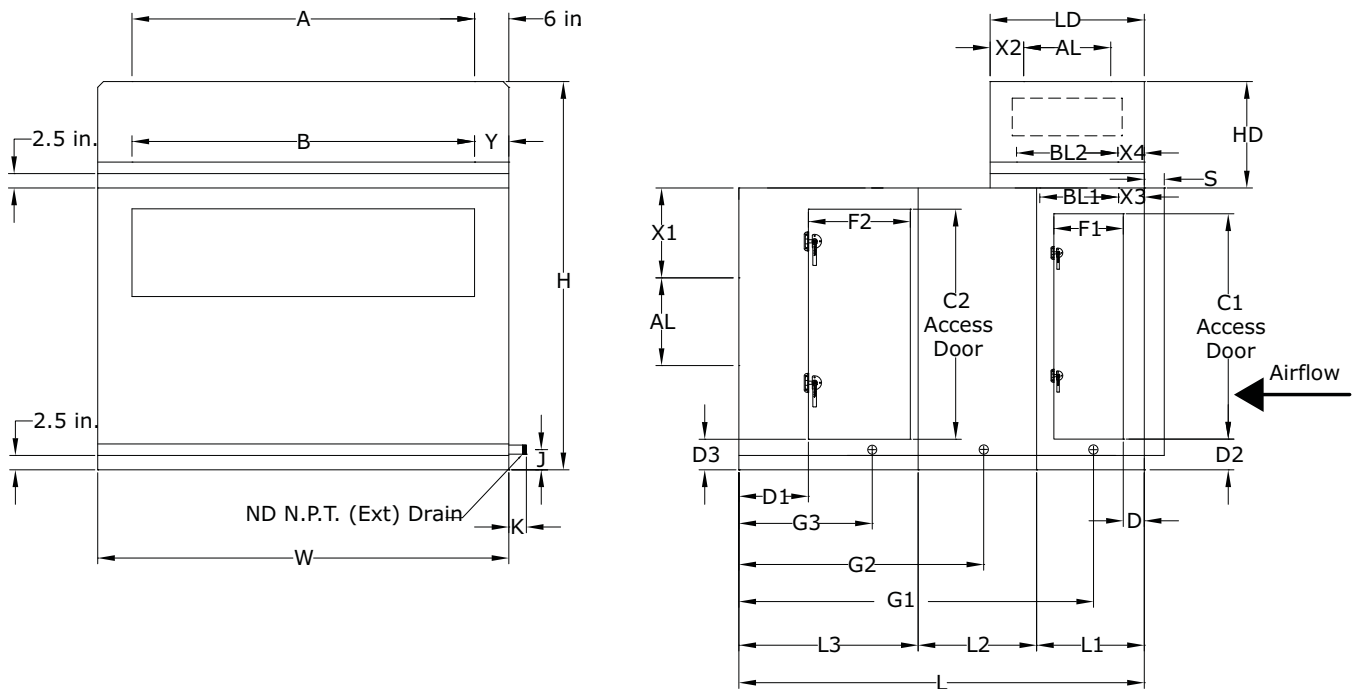


Table 169. Multizone 2-deck horizontal discharge with inward swing door dimensions (inches)

Unit Size	W	L	H	Door Upstream from Coil				Door Downstream from Coil			
				C1	F1	D	D2	C2	F2	D1	D3
6	44.00	52.00	53.75	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8	50.50	52.00	56.25	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
10	61.50	57.00	56.25	28.13	12.13	3.50	5.38	n/a	n/a	n/a	n/a
12	66.50	57.00	60.00	31.88	12.13	3.50	5.38	n/a	n/a	n/a	n/a
14	72.00	57.00	60.00	31.88	12.13	3.50	5.38	n/a	n/a	n/a	n/a
17	72.00	57.00	67.50	39.38	12.13	3.50	5.38	n/a	n/a	n/a	n/a
21	80.00	70.00	72.75	43.13	19.63	3.50	5.38	43.13	12.13	4.50	5.38
25	80.00	72.00	81.50	51.88	19.63	3.50	5.38	51.88	12.13	4.50	5.38
30	93.50	72.00	81.50	51.88	19.63	3.50	5.38	51.88	12.13	4.50	5.38
35	100.00	78.00	91.50	57.63	17.63	3.50	5.38	57.63	12.13	4.50	5.38
40	112.50	78.00	91.50	57.63	17.63	3.50	5.38	57.63	12.13	4.50	5.38
50	125.50	78.00	106.50	66.13	17.63	3.50	5.38	66.13	12.13	4.50	5.38

Notes: Dimensions are to the door opening. The handle will always be on the downstream side of the door.
6-inch offset is based off the right side of the unit.



Dimensions

Table 170. Multizone 2-deck horizontal discharge door dimensions (inches)

Unit Size	LD	HD	X1	X2	AL	X3	BL1	X4	BL2	B	Y
6	21.00	18.50	10.25	4.38	12.37	4.50	9.00	4.75	11.50	32.00	6.00
8	21.00	18.50	11.50	4.38	12.37	4.50	9.00	4.50	12.00	39.00	6.00
10	27.00	18.50	10.00	5.88	15.37	4.50	14.00	4.63	17.75	49.00	6.00
12	27.00	18.50	11.88	5.88	15.37	4.50	14.00	4.63	17.75	54.00	6.00
14	27.00	18.50	11.88	5.88	15.37	4.50	14.00	4.63	17.75	60.00	6.00
17	27.00	18.50	15.63	5.88	15.37	4.50	14.00	4.63	17.75	60.00	6.00
21	33.00	20.00	16.00	7.38	18.37	4.50	21.50	4.50	24.00	68.00	6.00
25	33.00	20.00	20.38	7.38	18.37	4.50	21.50	4.50	24.00	68.00	6.00
30	33.00	20.00	20.38	7.38	18.37	4.50	21.50	4.50	24.00	81.00	6.00
35	39.00	24.25	21.13	8.25	22.50	5.75	23.25	5.75	27.50	87.00	7.25
40	39.00	24.25	21.13	8.25	22.50	5.75	23.25	5.75	27.50	100.00	7.25
50	42.00	30.75	25.38	9.75	22.50	5.75	23.25	5.75	30.50	113.00	7.25

Table 171. Multizone 2-deck horizontal discharge door dimensions (inches)

Unit Size	A	L1	L2	L3	G1	G2	G3	J	K	ND(NPT)	S
6	32.00	13.13	20.75	18.25	45.00	28.50	9.50	3.38	2.50	1.00	1.00
8	38.91	13.13	20.75	18.25	45.00	28.50	9.50	3.38	2.50	1.00	1.00
10	49.91	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
12	54.91	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
14	60.41	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
17	60.41	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
21	68.00	25.63	20.75	23.75	56.75	34.00	12.25	3.38	2.50	1.00	1.00
25	68.00	25.63	20.75	25.75	58.75	36.00	13.25	3.38	2.50	1.00	1.00
30	81.50	25.63	20.75	25.75	58.75	36.00	13.25	3.38	2.50	1.00	1.00
35	88.41	28.63	20.75	28.75	63.25	39.00	14.75	3.25	3.50	1.25	1.00
40	100.50	28.63	20.75	28.75	63.25	39.00	14.75	3.25	3.50	1.25	1.00
50	113.50	28.63	20.75	28.75	63.25	39.00	14.75	3.25	3.50	1.25	1.00

Figure 108. Multizone 2-deck vertical discharge and inward swing door

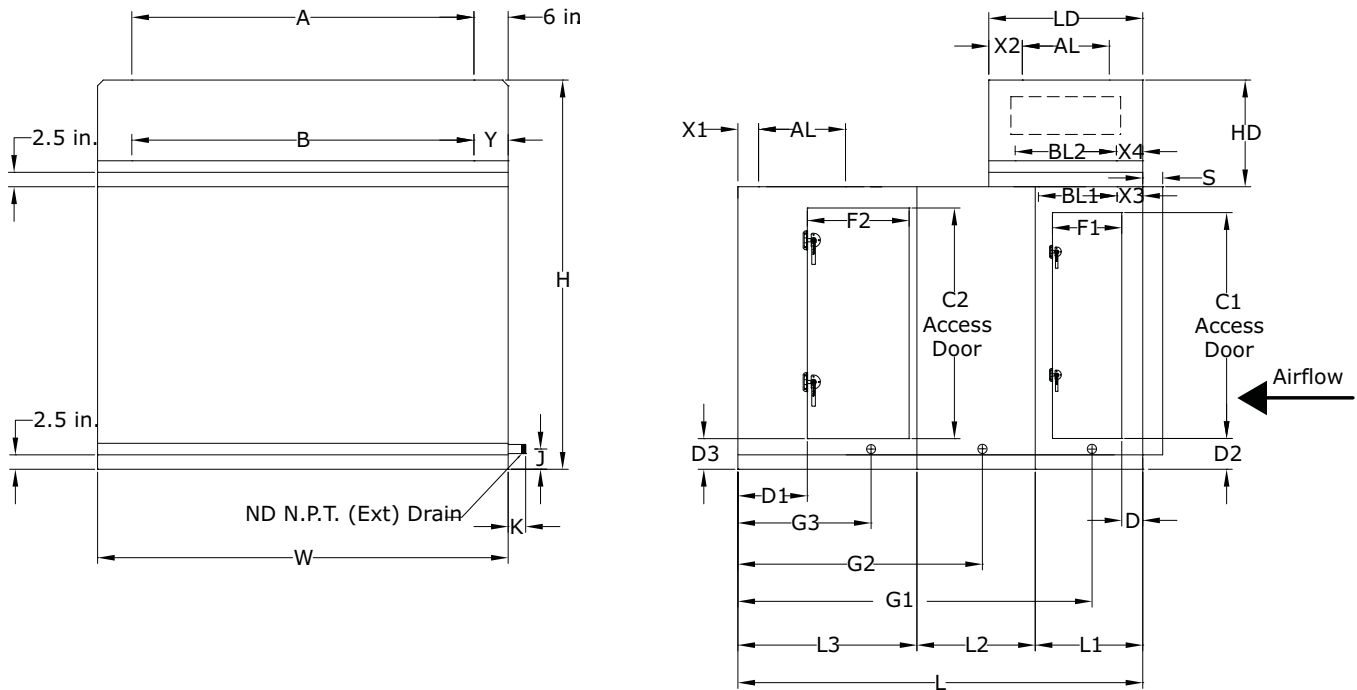


Table 172. Multizone 2-deck vertical discharge with inward swing door dimensions (inches)

Unit Size	W	L	H	Door Upstream from Coil				Door Downstream from Coil			
				C1	F1	D	D2	C2	F2	D1	D3
6	44.00	52.00	53.75	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8	50.50	52.00	56.25	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
10	61.50	64.50	56.25	28.13	17.63	3.50	5.38	n/a	n/a	n/a	n/a
12	66.50	64.50	60.00	31.88	17.63	3.50	5.38	n/a	n/a	n/a	n/a
14	72.00	64.50	60.00	31.88	17.63	3.50	5.38	n/a	n/a	n/a	n/a
17	72.00	62.50	67.50	39.38	17.63	3.50	5.38	n/a	n/a	n/a	n/a
21	80.00	70.00	72.75	43.13	19.63	3.50	5.38	43.13	12.13	4.50	5.38
25	80.00	72.00	81.50	51.88	19.63	3.50	5.38	51.88	12.13	4.50	5.38
30	93.50	72.00	81.50	51.88	19.63	3.50	5.38	51.88	12.13	4.50	5.38
35	100.00	88.00	91.50	57.63	17.63	3.50	5.38	57.63	17.63	4.50	5.38
40	112.50	88.00	91.50	57.63	17.63	3.50	5.38	57.63	17.63	4.50	5.38
50	125.50	88.00	106.50	66.13	17.63	3.50	5.38	66.13	17.63	4.50	5.38

Notes: Dimensions are to the door opening. The handle will always be on the downstream side of the door.
6-inch offset is based off the right side of the unit.



Dimensions

Table 173. Multizone 2-deck horizontal discharge door dimensions (inches)

Unit Size	LD	HD	X1	X2	AL	X3	BL1	X4	BL2	B	Y
6	21.00	18.50	3.63	4.38	12.37	4.50	9.00	4.75	11.50	32.00	6.00
8	21.00	18.50	3.63	4.38	12.37	4.50	9.00	4.50	12.00	39.00	6.00
10	27.00	18.50	3.63	5.88	15.37	4.50	14.00	4.63	17.75	49.00	6.00
12	27.00	18.50	3.63	5.88	15.37	4.50	14.00	4.63	17.75	54.00	6.00
14	27.00	18.50	3.63	5.88	15.37	4.50	14.00	4.63	17.75	60.00	6.00
17	27.00	18.50	3.63	5.88	15.37	4.50	14.00	4.63	17.75	60.00	6.00
21	33.00	20.00	3.63	7.38	18.37	4.50	21.50	4.50	24.00	68.00	6.00
25	33.00	20.00	3.63	7.38	18.37	4.50	21.50	4.50	24.00	68.00	6.00
30	33.00	20.00	3.63	7.38	18.37	4.50	21.50	4.50	24.00	81.00	6.00
35	39.00	24.25	4.50	8.25	22.50	5.75	23.25	5.75	27.50	87.00	7.25
40	39.00	24.25	4.50	8.25	22.50	5.75	23.25	5.75	27.50	100.00	7.25
50	42.00	30.75	4.50	9.75	22.50	5.75	23.25	5.75	30.50	113.00	7.25

Table 174. Multizone 2-deck horizontal discharge door dimensions (inches)

Unit Size	A	L1	L2	L3	G1	G2	G3	J	K	ND(NPT)	S
6	32.00	13.13	20.75	18.25	45.00	28.50	9.50	3.38	2.50	1.00	1.00
8	38.91	13.13	20.75	18.25	45.00	28.50	9.50	3.38	2.50	1.00	1.00
10	49.91	25.63	20.75	18.25	51.25	28.50	9.50	3.38	2.50	1.00	1.00
12	54.91	25.63	20.75	18.25	51.25	28.50	9.50	3.38	2.50	1.00	1.00
14	60.41	25.63	20.75	18.25	51.25	28.50	9.50	3.38	2.50	1.00	1.00
17	60.41	23.63	20.75	18.25	50.25	28.50	9.50	3.38	2.50	1.00	1.00
21	68.00	25.63	20.75	23.75	56.75	34.00	12.25	3.38	2.50	1.00	1.00
25	68.00	25.63	20.75	25.75	58.75	36.00	13.25	3.38	2.50	1.00	1.00
30	81.50	25.63	20.75	25.75	58.75	36.00	13.25	3.38	2.50	1.00	1.00
35	88.41	28.63	20.75	38.75	73.25	49.00	24.75	3.25	3.50	1.25	1.00
40	100.50	28.63	20.75	38.75	73.25	49.00	24.75	3.25	3.50	1.25	1.00
50	113.50	28.63	20.75	38.75	73.25	49.00	24.75	3.25	3.50	1.25	1.00

Multizone with Bypass and Dampers

Figure 109. Multizone with bypass and dampers with horizontal discharge and inward swing door

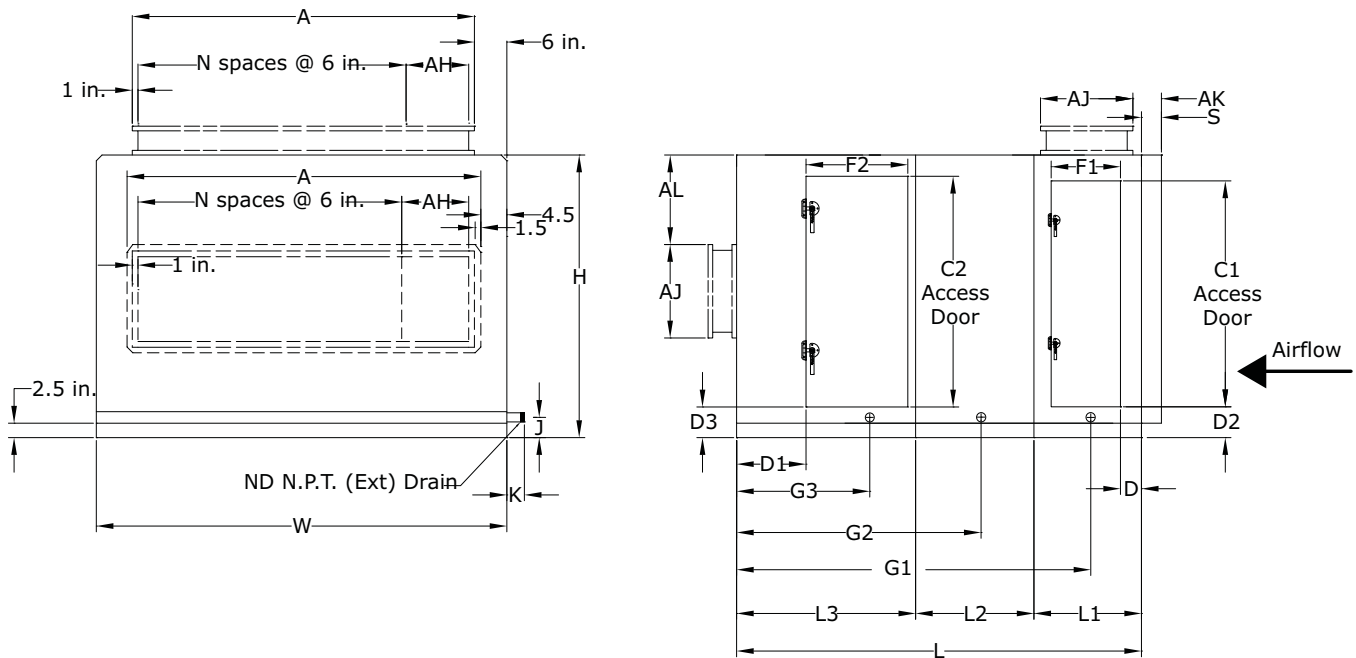


Table 175. Multizone with bypass and dampers with horizontal discharge and inward swing door dimensions (inches)

Unit Size	W	L	H	Door Upstream from Coil				Door Downstream from Coil			
				C1	F1	D	D2	C2	F2	D1	D3
6	44.00	57.00	35.25	25.63	12.13	3.50	5.38	n/a	n/a	n/a	n/a
8	50.50	57.00	37.75	28.13	12.13	3.50	5.38	n/a	n/a	n/a	n/a
10	61.50	57.00	37.75	28.13	12.13	3.50	5.38	n/a	n/a	n/a	n/a
12	66.50	57.00	41.50	31.88	12.13	3.50	5.38	n/a	n/a	n/a	n/a
14	72.00	57.00	41.50	31.88	12.13	3.50	5.38	n/a	n/a	n/a	n/a
17	72.00	57.00	49.00	39.38	12.13	3.50	5.38	n/a	n/a	n/a	n/a
21	80.00	70.00	52.75	43.13	19.63	3.50	5.38	43.13	12.13	4.50	5.38
25	80.00	72.00	61.50	51.88	19.63	3.50	5.38	51.88	12.13	4.50	5.38
30	93.50	72.00	61.50	51.88	19.63	3.50	5.38	51.88	12.13	4.50	5.38
35	100.00	79.50	67.25	57.63	17.63	3.50	5.38	57.63	12.13	4.50	5.38
40	112.50	79.50	67.25	57.63	17.63	3.50	5.38	57.63	12.13	4.50	5.38
50	125.50	79.50	75.75	66.13	17.63	3.50	5.38	66.13	12.13	4.50	5.38

Notes: Dimensions are to the door opening. The handle will always be on the downstream side of the door.
6-inch offset is based off the right side of the unit.

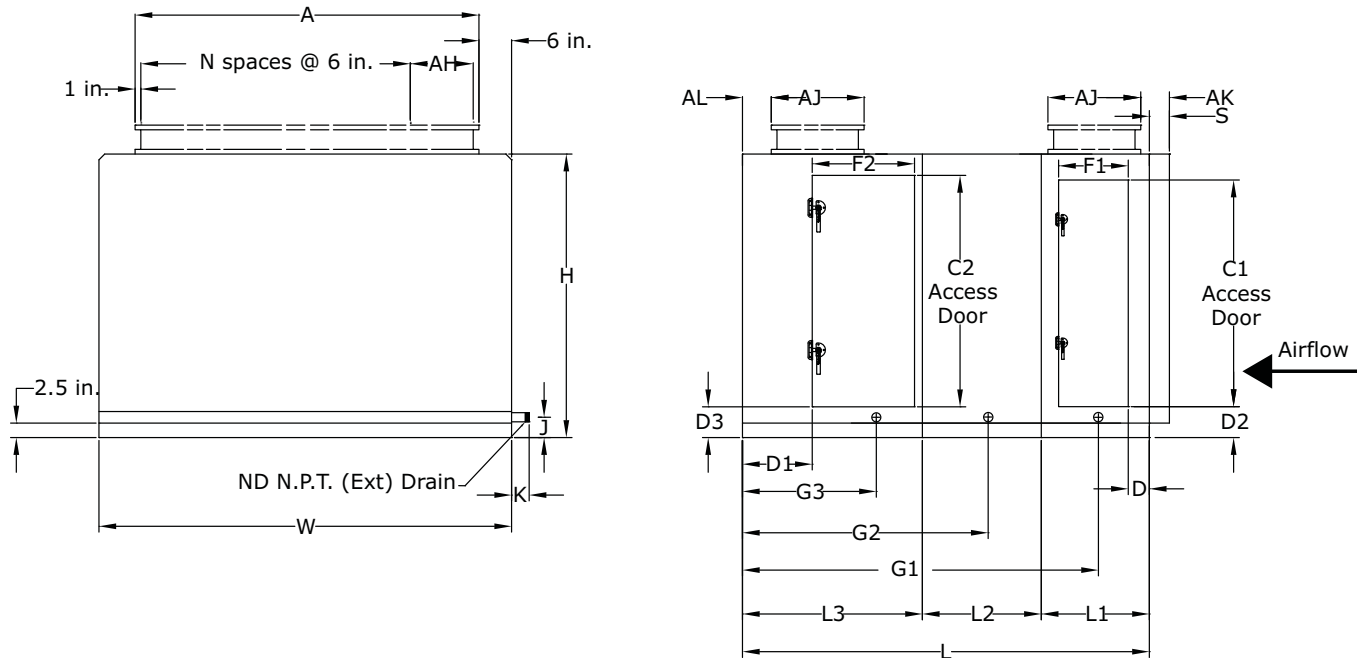
Dimensions

Table 176. Multizone with bypass and dampers with horizontal discharge dimensions (inches)

Unit Size	AL	AK	AJ	AH	AM	AP
6	9.78	2.78	13.20	6.00	32.00	12.37
8	11.03	2.78	13.20	6.50	38.91	12.37
10	9.53	2.78	16.20	11.50	49.91	15.37
12	11.40	2.78	16.20	10.50	54.91	15.37
14	11.40	2.78	16.20	10.00	60.41	15.37
17	15.15	2.78	16.20	10.00	60.41	15.37
21	15.53	7.28	19.20	6.00	68.00	18.37
25	19.90	7.28	19.20	6.00	68.00	18.37
30	19.90	7.28	19.20	7.50	81.50	18.37
35	20.78	7.65	23.20	8.00	88.41	22.50
40	20.78	7.65	23.20	8.50	100.50	22.50
50	25.03	7.65	23.20	9.50	113.91	22.50

Table 177. Multizone with bypass and dampers with horizontal discharge dimensions (inches)

Unit Size	A	L1	L2	L3	G1	G2	G3	J	K	ND(NPT)	S
6	32.00	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
8	38.50	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
10	49.50	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
12	54.50	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
14	60.00	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
17	60.00	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
21	68.00	25.63	20.75	23.75	56.75	34.00	12.25	3.38	2.50	1.00	1.00
25	68.00	25.63	20.75	25.75	58.75	36.00	13.25	3.38	2.50	1.00	1.00
30	81.50	25.63	20.75	25.75	58.75	36.00	13.25	3.38	2.50	1.00	1.00
35	88.00	30.13	20.75	28.75	58.00	39.00	14.75	3.25	3.50	1.25	1.00
40	100.50	30.13	20.75	28.75	58.00	39.00	14.75	3.25	3.50	1.25	1.00
50	113.50	30.13	20.75	28.75	58.00	39.00	14.75	3.25	3.50	1.25	1.00

Figure 110. Multizone with bypass and dampers with vertical discharge and inward swing door

Table 178. Multizone with bypass and dampers with vertical discharge and inward swing door dimensions (inches)

Unit Size	W	L	H	Door Upstream from Coil				Door Downstream from Coil			
				C1	F1	D	D2	C2	F2	D1	D3
6	44.00	57.00	35.25	25.63	12.13	3.50	5.38	n/a	n/a	n/a	n/a
8	50.50	57.00	37.75	28.13	12.13	3.50	5.38	n/a	n/a	n/a	n/a
10	61.50	57.00	37.75	28.13	12.13	3.50	5.38	n/a	n/a	n/a	n/a
12	66.50	57.00	41.50	31.88	12.13	3.50	5.38	n/a	n/a	n/a	n/a
14	72.00	57.00	41.50	31.88	12.13	3.50	5.38	n/a	n/a	n/a	n/a
17	72.00	57.00	49.00	39.38	12.13	3.50	5.38	n/a	n/a	n/a	n/a
21	80.00	70.00	52.75	43.13	19.63	3.50	5.38	43.13	12.13	4.50	5.38
25	80.00	72.00	61.50	51.88	19.63	3.50	5.38	51.88	12.13	4.50	5.38
30	93.50	72.00	61.50	51.88	19.63	3.50	5.38	51.88	12.13	4.50	5.38
35	100.00	79.50	67.25	57.63	17.63	3.50	5.38	57.63	12.13	4.50	5.38
40	112.50	79.50	67.25	57.63	17.63	3.50	5.38	57.63	12.13	4.50	5.38
50	125.50	79.50	75.75	66.13	17.63	3.50	5.38	66.13	12.13	4.50	5.38

Notes: Dimensions are to the door opening. The handle will always be on the downstream side of the door.
6-inch offset is based off the right side of the unit.



Dimensions

Table 179. Multizone with bypass and dampers with vertical discharge dimensions (inches)

Unit size	AL	AK	AJ	AH	AM	AP
6	3.15	2.78	13.20	6.00	32.00	12.37
8	3.15	2.78	13.20	6.50	38.91	12.37
10	3.15	2.78	16.20	11.50	49.91	15.37
12	3.15	2.78	16.20	10.50	54.91	15.37
14	3.15	2.78	16.20	10.00	60.41	15.37
17	3.15	2.78	16.20	10.00	60.41	15.37
21	3.15	7.28	19.20	6.00	68.00	18.37
25	3.15	7.28	19.20	6.00	68.00	18.37
30	3.15	7.28	19.20	7.50	81.50	18.37
35	4.15	7.65	23.20	8.00	88.41	22.50
40	4.15	7.65	23.20	8.50	100.50	22.50
50	4.15	7.65	23.20	9.50	113.91	22.50

Table 180. Multizone with bypass and dampers with vertical discharge dimensions (inches)

Unit Size	A	L1	L2	L3	G1	G2	G3	J	K	ND(NPT)	S
6	32.00	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
8	38.50	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
10	49.50	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
12	54.50	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
14	60.00	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
17	60.00	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
21	68.00	25.63	20.75	23.75	56.75	34.00	12.25	3.38	2.50	1.00	1.00
25	68.00	25.63	20.75	25.75	58.75	36.00	13.25	3.38	2.50	1.00	1.00
30	81.50	25.63	20.75	25.75	58.75	36.00	13.25	3.38	2.50	1.00	1.00
35	88.00	30.13	20.75	28.75	58.00	39.00	14.75	3.25	3.50	1.25	1.00
40	100.50	30.13	20.75	28.75	58.00	39.00	14.75	3.25	3.50	1.25	1.00
50	113.50	30.13	20.75	28.75	58.00	39.00	14.75	3.25	3.50	1.25	1.00

Multizone with Bypass - No Dampers

Figure 111. Multizone with bypass with horizontal discharge and inward swing door

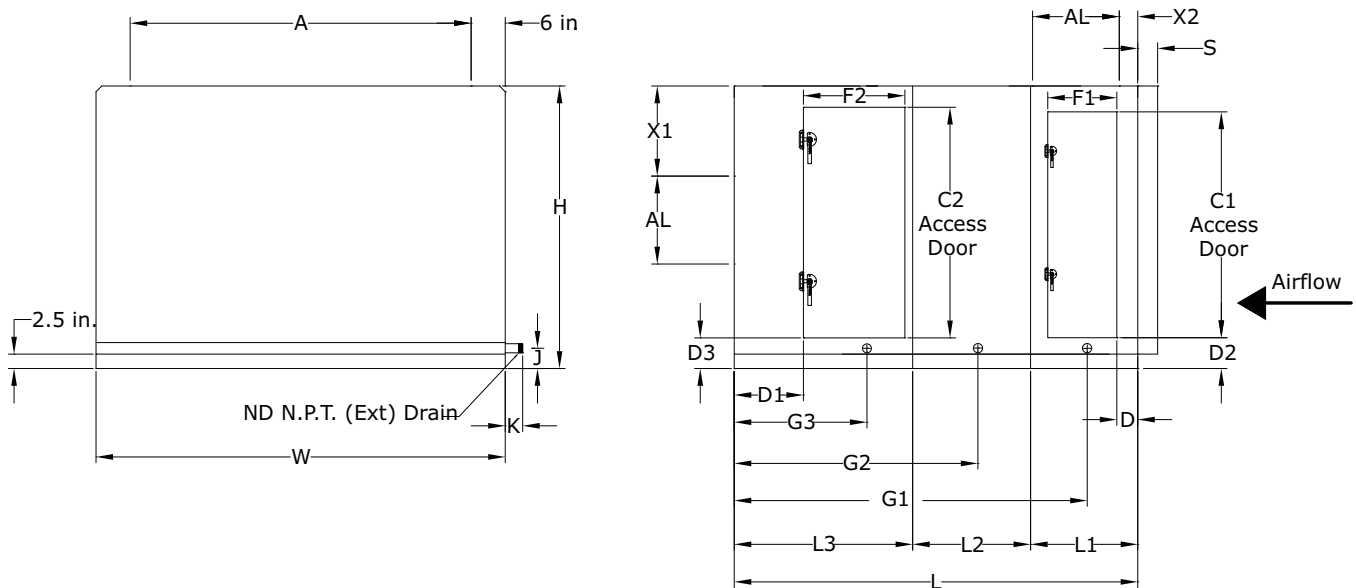


Table 181. Multizone with bypass with horizontal discharge and inward swing door dimensions (inches)

Unit size	Door Upstream from Coil			Door Downstream from Coil										
	W	L	H	C1	F1	D	D2	C2	F2	D1	D3	X1	X2	AL
6	44.00	57.00	35.25	25.63	12.13	3.50	5.38	n/a	n/a	n/a	n/a	10.25	3.25	12.37
8	50.50	57.00	37.75	28.13	12.13	3.50	5.38	n/a	n/a	n/a	n/a	11.50	3.25	12.37
10	61.50	57.00	37.75	28.13	12.13	3.50	5.38	n/a	n/a	n/a	n/a	10.00	3.25	15.37
12	66.50	57.00	41.50	31.88	12.13	3.50	5.38	n/a	n/a	n/a	n/a	11.88	3.25	15.37
14	72.00	57.00	41.50	31.88	12.13	3.50	5.38	n/a	n/a	n/a	n/a	11.88	3.25	15.37
17	72.00	57.00	49.00	39.38	12.13	3.50	5.38	n/a	n/a	n/a	n/a	15.63	3.25	15.37
21	80.00	70.00	52.75	43.13	19.63	3.50	5.38	43.13	12.13	4.50	5.38	16.00	7.75	18.37
25	80.00	72.00	61.50	51.88	19.63	3.50	5.38	51.88	12.13	4.50	5.38	20.38	7.75	18.37
30	93.50	72.00	61.50	51.88	19.63	3.50	5.38	51.88	12.13	4.50	5.38	20.38	7.75	18.37
35	100.00	79.50	67.25	57.63	17.63	3.50	5.38	57.63	12.13	4.50	5.38	21.13	8.00	22.50
40	112.50	79.50	67.25	57.63	17.63	3.50	5.38	57.63	12.13	4.50	5.38	21.13	8.00	22.50
50	125.50	79.50	75.75	66.13	17.63	3.50	5.38	66.13	12.13	4.50	5.38	25.38	8.00	22.50

Notes: Dimensions are to the door opening. The handle will always be on the downstream side of the door.
6-inch offset is based off the right side of the unit.

Dimensions

Table 182. Multizone with bypass with horizontal discharge dimensions (inches)

Unit Size	A	L1	L2	L3	G1	G2	G3	J	K	ND(NPT)	S
6	32.00	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
8	38.91	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
10	49.91	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
12	54.91	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
14	60.41	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
17	60.41	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
21	68.00	25.63	20.75	23.75	56.75	34.00	12.25	3.38	2.50	1.00	1.00
25	68.00	25.63	20.75	25.75	58.75	36.00	13.25	3.38	2.50	1.00	1.00
30	81.50	25.63	20.75	25.75	58.75	36.00	13.25	3.38	2.50	1.00	1.00
35	88.41	30.13	20.75	28.75	58.00	39.00	14.75	3.25	3.50	1.25	1.00
40	100.50	30.13	20.75	28.75	58.00	39.00	14.75	3.25	3.50	1.25	1.00
50	113.50	30.13	20.75	28.75	58.00	39.00	14.75	3.25	3.50	1.25	1.00

Figure 112. Multizone with bypass with vertical discharge and inward swing door

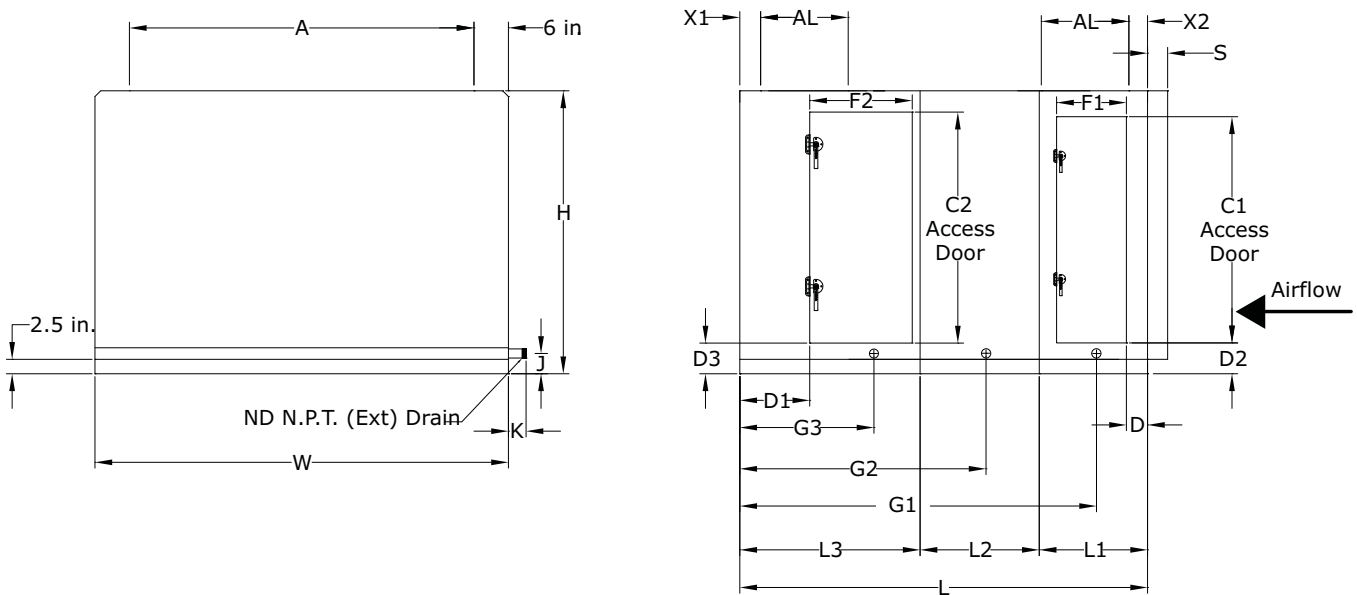


Table 183. Multizone with bypass with vertical discharge and inward swing door dimensions (inches)

Unit Size	Door Upstream from Coil							Door Downstream from Coil						
	W	L	H	C1	F1	D	D2	C2	F2	D1	D3	X1	X2	AL
6	44.00	57.00	35.25	25.63	12.13	3.50	5.38	n/a	n/a	n/a	n/a	3.63	3.25	12.37
8	50.50	57.00	37.75	28.13	12.13	3.50	5.38	n/a	n/a	n/a	n/a	3.63	3.25	12.37
10	61.50	57.00	37.75	28.13	12.13	3.50	5.38	n/a	n/a	n/a	n/a	3.63	3.25	15.37
12	66.50	57.00	41.50	31.88	12.13	3.50	5.38	n/a	n/a	n/a	n/a	3.63	3.25	15.37
14	72.00	57.00	41.50	31.88	12.13	3.50	5.38	n/a	n/a	n/a	n/a	3.63	3.25	15.37
17	72.00	57.00	49.00	39.38	12.13	3.50	5.38	n/a	n/a	n/a	n/a	3.63	3.25	15.37
21	80.00	70.00	52.75	43.13	19.63	3.50	5.38	43.13	12.13	4.50	5.38	3.63	7.75	18.37
25	80.00	72.00	61.50	51.88	19.63	3.50	5.38	51.88	12.13	4.50	5.38	3.63	7.75	18.37
30	93.50	72.00	61.50	51.88	19.63	3.50	5.38	51.88	12.13	4.50	5.38	3.63	7.75	18.37
35	100.00	79.50	67.25	57.63	17.63	3.50	5.38	57.63	12.13	4.50	5.38	4.50	8.00	22.50
40	112.50	79.50	67.25	57.63	17.63	3.50	5.38	57.63	12.13	4.50	5.38	4.50	8.00	22.50
50	125.50	79.50	75.75	66.13	17.63	3.50	5.38	66.13	12.13	4.50	5.38	4.50	8.00	22.50

Table 184. Multizone with bypass with vertical discharge dimensions (inches)

Unit Size	A	L1	L2	L3	G1	G2	G3	J	K	ND(NPT)	S
6	32.00	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
8	38.91	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
10	49.91	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
12	54.91	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
14	60.41	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
17	60.41	18.13	20.75	18.25	47.50	28.50	9.50	3.38	2.50	1.00	1.00
21	68.00	25.63	20.75	23.75	56.75	34.00	12.25	3.38	2.50	1.00	1.00
25	68.00	25.63	20.75	25.75	58.75	36.00	13.25	3.38	2.50	1.00	1.00
30	81.50	25.63	20.75	25.75	58.75	36.00	13.25	3.38	2.50	1.00	1.00
35	88.41	30.13	20.75	28.75	58.00	39.00	14.75	3.25	3.50	1.25	1.00
40	100.50	30.13	20.75	28.75	58.00	39.00	14.75	3.25	3.50	1.25	1.00
50	113.50	30.13	20.75	28.75	58.00	39.00	14.75	3.25	3.50	1.25	1.00

Multizone with Bypass with Rods and Dampers

Figure 113. Multizone with bypass, rods on entering airside, dampers with horizontal discharge and inward swing door

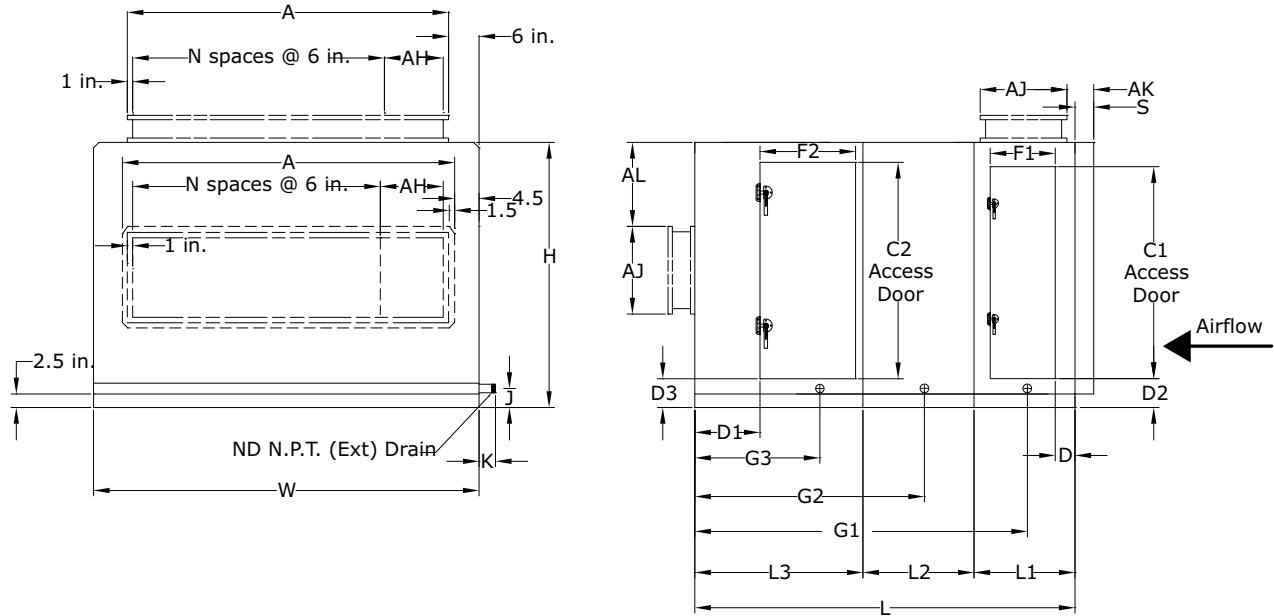


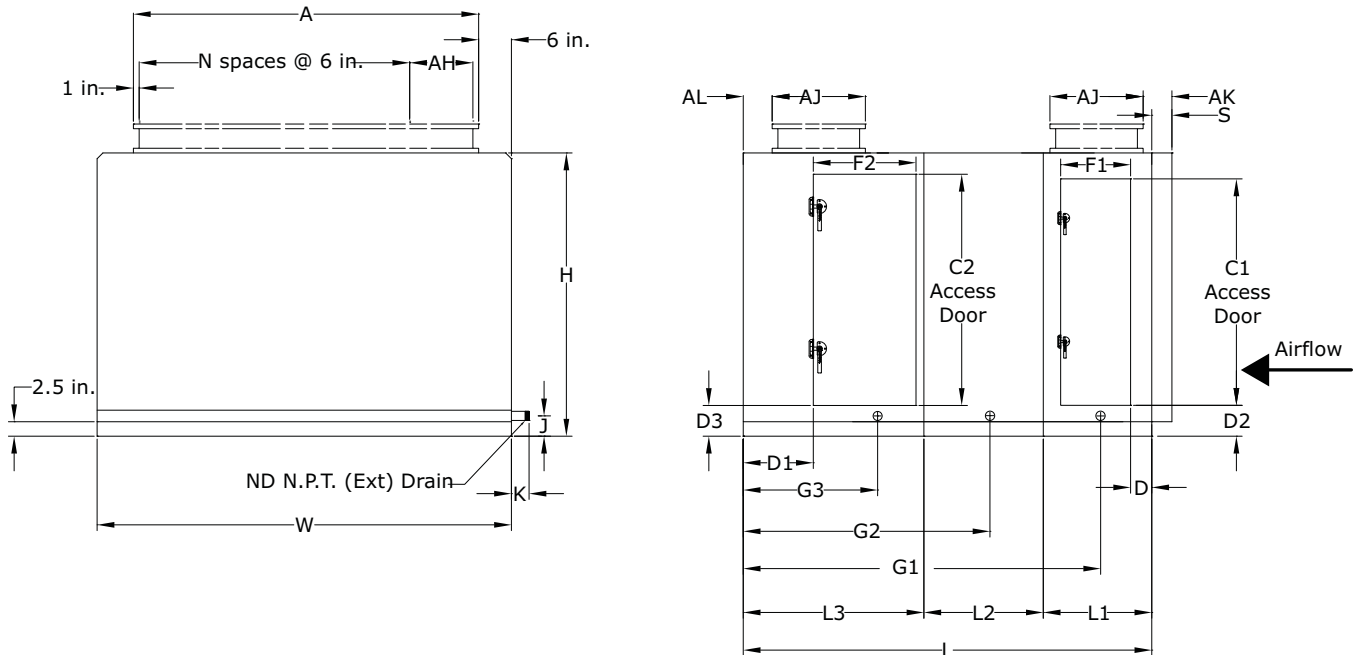
Table 185. Multizone with bypass, rods, dampers with horizontal discharge and inward swing door dimensions (inches)

Unit Size	Door Upstream from Coil			Door Downstream from Coil													
	W	L	H	C1	F1	D	D2	C2	F2	D1	D3	AL	AK	AJ	AH	AM	AP
6	44.00	62.00	35.25	25.63	12.13	3.50	5.38	n/a	n/a	n/a	n/a	9.78	7.78	13.20	6.00	32.00	12.37
8	50.50	62.00	37.75	28.13	12.13	3.50	5.38	n/a	n/a	n/a	n/a	11.03	7.78	13.20	6.50	38.91	12.37
10	61.50	62.00	37.75	28.13	12.13	3.50	5.38	n/a	n/a	n/a	n/a	9.53	7.78	16.20	11.50	49.91	15.37
12	66.50	62.00	41.50	31.88	12.13	3.50	5.38	n/a	n/a	n/a	n/a	11.40	7.78	16.20	10.50	54.91	15.37
14	72.00	62.00	41.50	31.88	12.13	3.50	5.38	n/a	n/a	n/a	n/a	11.40	7.78	16.20	10.00	60.41	15.37
17	72.00	62.00	49.00	39.38	12.13	3.50	5.38	n/a	n/a	n/a	n/a	15.15	7.78	16.20	10.00	60.41	15.37

Notes: Dimensions are to the door opening. The handle will always be on the downstream side of the door.
6-inch offset is based off the right side of the unit.

Table 186. Multizone with bypass, rods on entering airside, dampers with horizontal discharge dimensions (inches)

Unit Size	A	L1	L2	L3	G1	G2	G3	J	K	ND(NPT)	S
6	32.00	23.13	20.75	18.25	45.00	28.50	9.50	3.38	2.50	1.00	1.00
8	38.50	23.13	20.75	18.25	45.00	28.50	9.50	3.38	2.50	1.00	1.00
10	49.50	23.13	20.75	18.25	45.00	28.50	9.50	3.38	2.50	1.00	1.00
12	54.50	23.13	20.75	18.25	45.00	28.50	9.50	3.38	2.50	1.00	1.00
14	60.00	23.13	20.75	18.25	45.00	28.50	9.50	3.38	2.50	1.00	1.00
17	60.00	23.13	20.75	18.25	45.00	28.50	9.50	3.38	2.50	1.00	1.00

Figure 114. Multizone with bypass, rods and dampers with vertical discharge and inward swing door

Table 187. Multizone with bypass, rods, dampers with vertical discharge and inward swing door dimensions (inches)

Unit Size	Door Upstream from Coil				Door Downstream from Coil												
	W	L	H	C1	F1	D	D2	C2	F2	D1	D3	AL	AK	AJ	AH	AM	AP
6	44.00	62.00	35.25	25.63	12.13	3.50	5.38	n/a	n/a	n/a	n/a	3.15	7.78	13.20	6.00	32.00	12.37
8	50.50	62.00	37.75	28.13	12.13	3.50	5.38	n/a	n/a	n/a	n/a	3.15	7.78	13.20	6.50	38.91	12.37
10	61.50	62.00	37.75	28.13	12.13	3.50	5.38	n/a	n/a	n/a	n/a	3.15	7.78	16.20	11.50	49.91	15.37
12	66.50	62.00	41.50	31.88	12.13	3.50	5.38	n/a	n/a	n/a	n/a	3.15	7.78	16.20	10.50	54.91	15.37
14	72.00	62.00	41.50	31.88	12.13	3.50	5.38	n/a	n/a	n/a	n/a	3.15	7.78	16.20	10.00	60.41	15.37
17	72.00	62.00	49.00	39.38	12.13	3.50	5.38	n/a	n/a	n/a	n/a	3.15	7.78	16.20	10.00	60.41	15.37

Notes: Dimensions are to the door opening. The handle will always be on the downstream side of the door.
6-inch offset is based off the right side of the unit.

Table 188. Multizone with bypass and rods - vertical discharge dimensions (inches)

Unit Size	A	L1	L2	L3	G1	G2	G3	J	K	ND(NPT)	S
6	32.00	23.13	20.75	18.25	45.00	28.50	9.50	3.38	2.50	1.00	1.00
8	38.50	23.13	20.75	18.25	45.00	28.50	9.50	3.38	2.50	1.00	1.00
10	49.50	23.13	20.75	18.25	45.00	28.50	9.50	3.38	2.50	1.00	1.00
12	54.50	23.13	20.75	18.25	45.00	28.50	9.50	3.38	2.50	1.00	1.00
14	60.00	23.13	20.75	18.25	45.00	28.50	9.50	3.38	2.50	1.00	1.00
17	60.00	23.13	20.75	18.25	45.00	28.50	9.50	3.38	2.50	1.00	1.00

Pipe Cabinet

Figure 115. Pipe cabinet

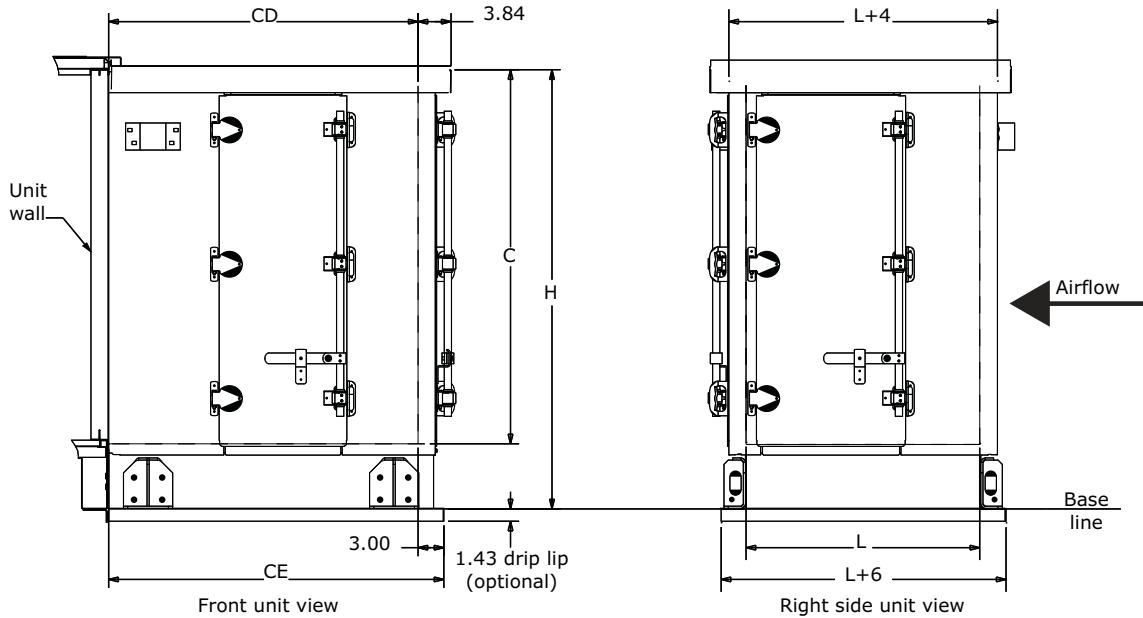


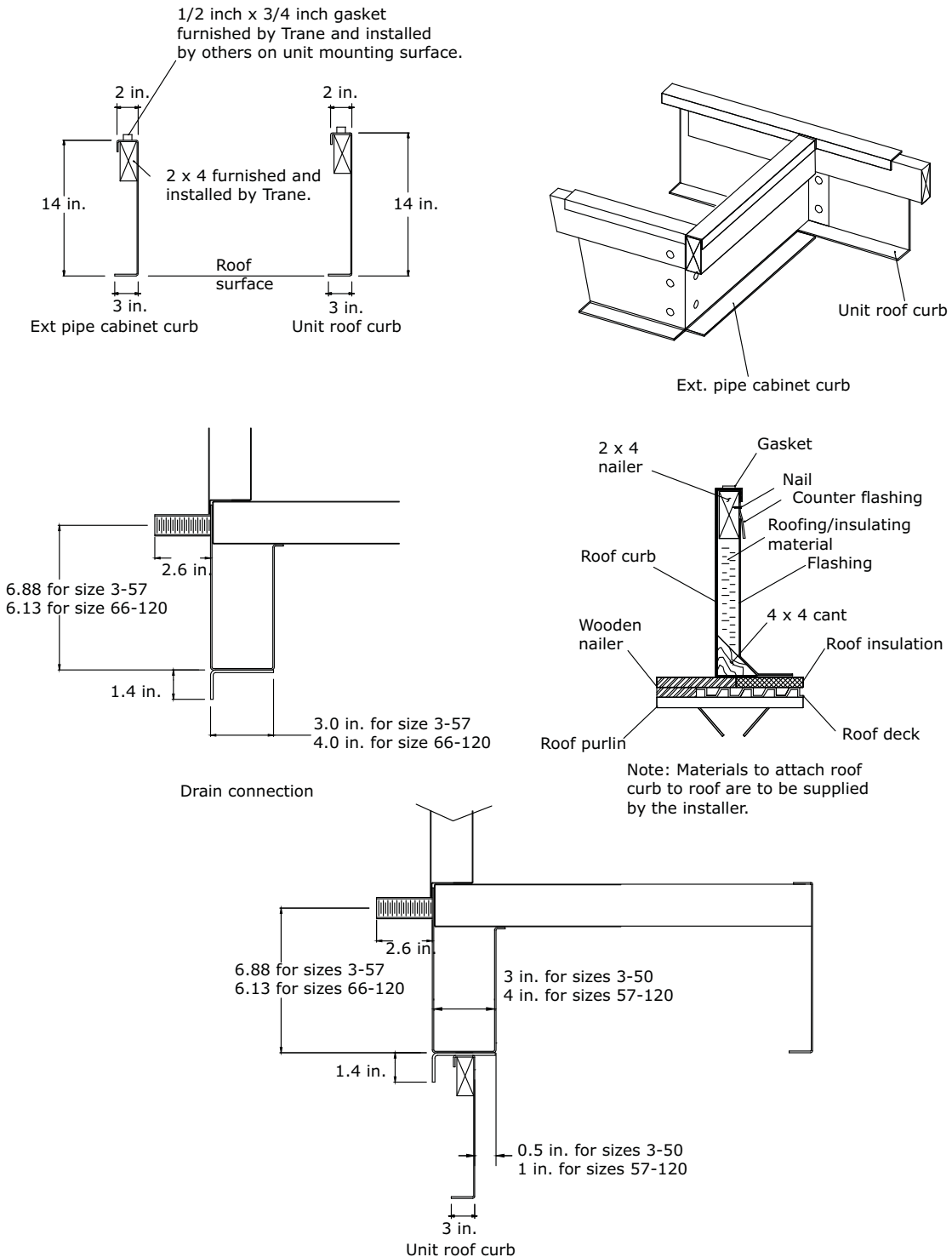
Table 189. Pipe cabinet dimensions (inches)

Unit Size	Internal unit height	Cabinet Depth - CD			Cabinet Depth - CE			C	H	L ¹
		Reduced 24 in.	Standard 36 in.	Extended 48 in.	Reduced 24 in.	Standard 36 in.	Extended 48 in.			
3	22.50	24.00	36.00	48.00	27.00	39.00	51.00	24.04	31.54	--
4	22.50	24.00	36.00	48.00	27.00	39.00	51.00	24.04	31.54	--
6	28.75	24.00	36.00	48.00	27.00	39.00	51.00	30.29	37.79	--
8	31.25	24.00	36.00	48.00	27.00	39.00	51.00	32.79	40.29	--
10	31.25	24.00	36.00	48.00	27.00	39.00	51.00	32.79	40.29	--
12	35.00	24.00	36.00	48.00	27.00	39.00	51.00	36.54	44.04	--
14	35.00	24.00	36.00	48.00	27.00	39.00	51.00	36.54	44.04	--
17	42.50	24.00	36.00	48.00	27.00	39.00	51.00	44.04	51.54	--
21	46.25	24.00	36.00	48.00	27.00	39.00	51.00	47.79	55.29	--
25	55.00	24.00	36.00	48.00	27.00	39.00	51.00	56.54	64.04	--
30	55.00	24.00	36.00	48.00	27.00	39.00	51.00	56.54	64.04	--
35	60.75	24.00	36.00	48.00	27.00	39.00	51.00	62.29	69.79	--
40	60.75	24.00	36.00	48.00	27.00	39.00	51.00	62.29	69.79	--
50	69.25	24.00	36.00	48.00	27.00	39.00	51.00	70.79	78.29	--
57	79.00	24.00	36.00	48.00	27.00	39.00	51.00	80.54	88.04	--
66	82.50	24.00	36.00	48.00	27.00	39.00	51.00	84.04	91.54	--
80	97.50	24.00	36.00	48.00	27.00	39.00	51.00	99.04	106.54	--
100	109.75	24.00	36.00	48.00	27.00	39.00	51.00	111.29	118.79	--
120	109.75	24.00	36.00	48.00	27.00	39.00	51.00	111.29	118.79	--

Note: ¹ L = length of functional section or consecutive functional sections which have cabinets. Maximum L is 106.54 inches based on longest single piece outdoor roof panel.

Roof Curb

Figure 116. Roof curb details





Dimensions

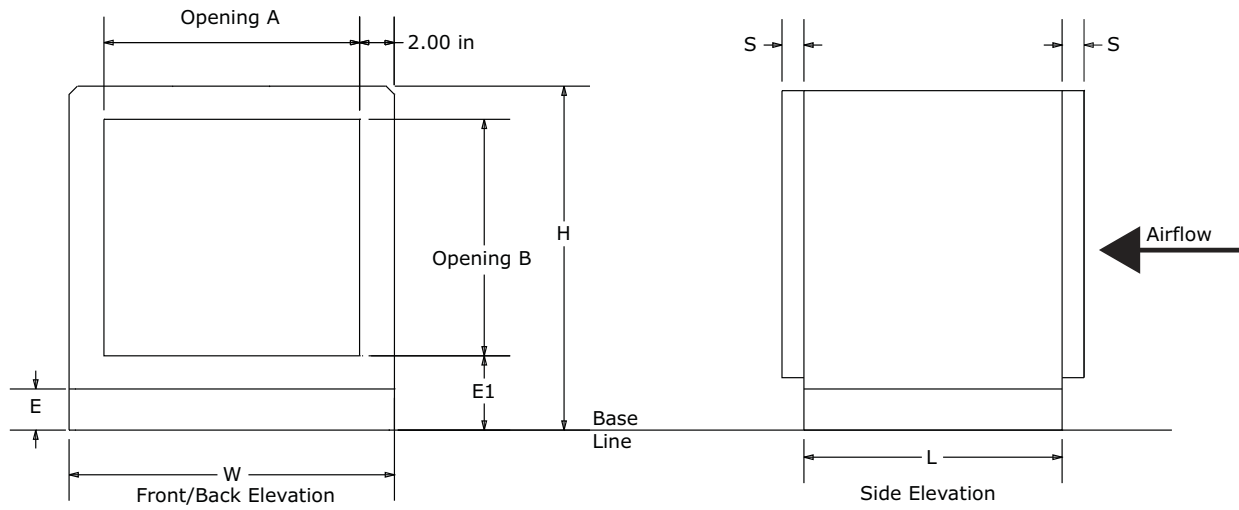
Table 190. Roof dimensions (inches)

Unit size	Unit width (widest from lug to lug)	Roof height	Unit height	Unit height with roof curb drip lip (adds 0.13 inches)
3	38.31	2.20	37.20	37.33
4	50.81	2.33	37.33	37.45
6	50.81	2.33	43.58	43.70
8	57.31	2.33	46.08	46.20
10	68.31	2.33	46.08	46.20
12	73.31	2.70	50.20	50.33
14	78.81	2.70	50.20	50.33
17	78.81	2.70	57.70	57.83
21	86.81	2.70	61.45	61.58
25	86.81	2.70	70.20	70.33
30	100.31	2.70	70.20	70.33
35	106.81	2.70	75.95	76.08
40	119.31	2.70	75.95	76.08
50	132.31	3.58	85.33	85.45
57	132.31	3.58	95.08	95.20
66	147.31	3.58	102.08	102.20
80	147.31	3.58	117.08	117.20
100	161.31	3.58	129.33	129.45
120	188.81	3.58	129.33	129.45

Note: If the unit is installed on a roof curb, there is an additional 0.125 inches height from the drip lip. The unit roof length is equal to the total unit length plus 1.5 inches. Overhang on each end (unit length + 3 inches). Unit height includes 6 inch base rail height. Unit width is the external unit width + the lug dimensions (6.806 inches).

Silencers

Figure 117. Silencers





Dimensions

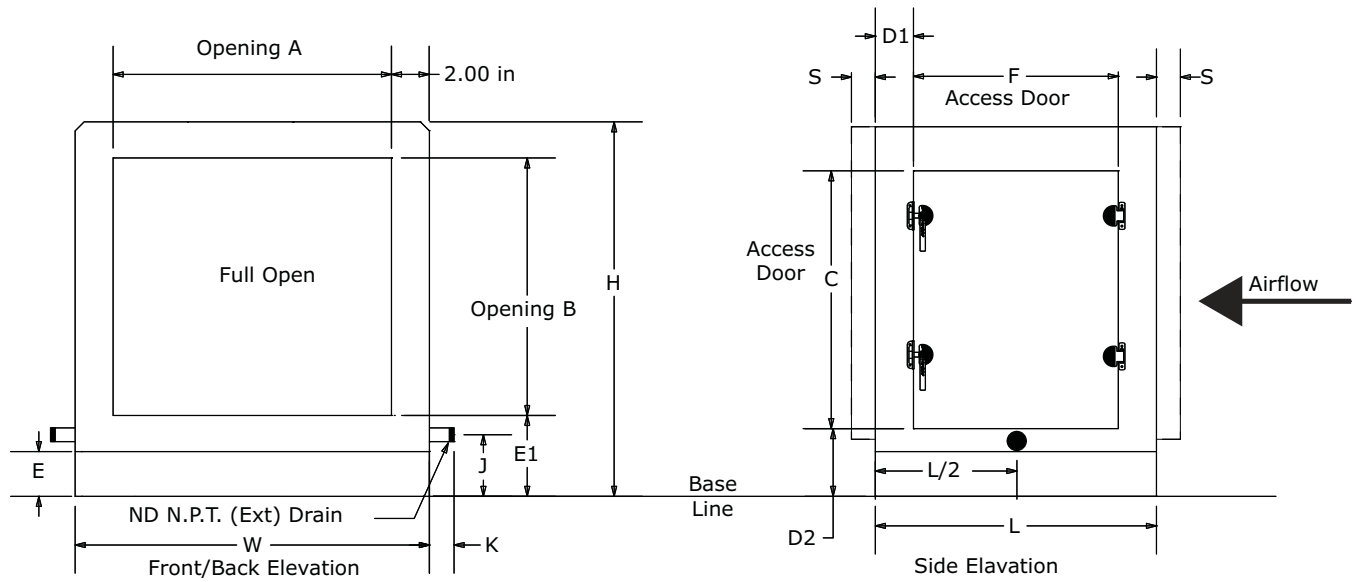
Table 191. 3-foot and 5-foot silencer dimensions (inches)

Unit size	W	H	3 ft length	5 ft length	Front/back openings		Base ²		S ¹
					A	B	E	E1	
3	31.50	29.00	38.00	62.00	27.50	22.50	2.50	4.50	1.00
4	44.00	29.00	38.00	62.00	40.00	22.50	2.50	4.50	1.00
6	44.00	35.25	38.00	62.00	40.00	28.75	2.50	4.50	1.00
8	50.50	37.75	38.00	62.00	46.50	31.25	2.50	4.50	1.00
10	61.50	37.75	38.00	62.00	57.50	31.25	2.50	4.50	1.00
12	66.50	41.50	38.00	62.00	62.50	35.00	2.50	4.50	1.00
14	72.00	41.50	38.00	62.00	68.00	35.00	2.50	4.50	1.00
17	72.00	49.00	38.00	62.00	68.00	42.50	2.50	4.50	1.00
21	80.00	52.75	38.00	62.00	76.00	46.25	2.50	4.50	1.00
25	80.00	61.50	38.00	62.00	76.00	55.00	2.50	4.50	1.00
30	93.50	61.50	38.00	62.00	89.50	55.00	2.50	4.50	1.00
35	100.00	67.25	38.00	62.00	96.00	60.75	2.50	4.50	1.00
40	112.50	67.25	38.00	62.00	108.50	60.75	2.50	4.50	1.00
50	125.50	75.75	38.00	62.00	121.50	69.25	2.50	4.50	1.00
57	125.50	85.50	38.00	62.00	121.50	79.00	2.50	4.50	1.00
66	140.50	92.50	38.00	62.00	136.50	82.50	6.00	8.00	1.00
80	140.50	107.50	38.00	62.00	136.50	97.50	6.00	8.00	1.00
100	154.50	119.75	38.00	62.00	150.50	109.75	6.00	8.00	1.00
120	182.00	119.75	38.00	62.00	178.00	109.75	6.00	8.00	1.00

Note: ¹Shipping split flange dimension is for shipping planning purposes only and does not add to installed overall unit length. ²Base line includes the height for standard 2.5-inch integral base frame on unit sizes 3-57 and 6-inch integral base frame on unit sizes 66-120.

Trane Catalytic Air Cleaning System (TCACS)

Figure 118. Trane Catalytic Air Cleaning System (TCACS)





Dimensions

Table 192. Trane Catalytic Air Cleaning System (TCACS) section dimensions (inches)

Unit Size	W	H	Outward Door			Base		Drain Pan		Ship Split		L	Medium Outward door	
			Hinged*	C	D2	E	E1	J	K	NPT	S		F	D1
3	31.50	29.00	AE	22.25	4.25	2.50	4.50	n/a	n/a	1.00	1.00	36.00	19.63	12.94
4	44.00	29.00	AE	22.25	4.25	2.50	4.50	n/a	n/a	1.00	1.00	36.00	19.63	12.94
6	44.00	35.25	AE	28.50	4.25	2.50	4.50	n/a	n/a	1.00	1.00	36.00	19.63	12.94
8	50.50	37.75	AE	31.00	4.25	2.50	4.50	n/a	n/a	1.00	1.00	36.00	19.63	12.94
10	61.50	37.75	AE	31.00	4.25	2.50	4.50	n/a	n/a	1.00	1.00	36.00	19.63	12.94
12	66.50	41.50	AE	34.75	4.25	2.50	4.50	n/a	n/a	1.00	1.00	36.00	19.63	12.94
14	72.00	41.50	AE	34.75	4.25	2.50	4.50	n/a	n/a	1.00	1.00	36.00	19.63	12.94
17	72.00	49.00	AE	42.25	4.25	2.50	4.50	n/a	n/a	1.00	1.00	36.00	19.63	12.94
21	80.00	52.75	AE	46.00	4.25	2.50	4.50	n/a	n/a	1.00	1.00	36.00	19.63	12.94
25	80.00	61.50	AE	54.75	4.25	2.50	4.50	n/a	n/a	1.00	1.00	36.00	19.63	12.94
30	93.50	61.50	AE	54.75	4.25	2.50	4.50	n/a	n/a	1.00	1.00	36.00	19.63	12.94
35	100.00	67.25	AE	60.50	4.25	2.50	4.50	n/a	n/a	1.25	1.00	36.00	19.63	12.94
40	112.50	67.25	AE	60.50	4.25	2.50	4.50	n/a	n/a	1.25	1.00	36.00	19.63	12.94
50	125.50	75.75	AE	69.00	4.25	2.50	4.50	n/a	n/a	1.25	1.00	36.00	19.63	12.94
57	125.50	85.50	AE	78.75	4.25	2.50	4.50	n/a	n/a	1.25	1.00	36.00	19.63	12.94
66	140.50	92.50	AE	82.25	7.75	6.00	8.00	n/a	n/a	1.50	1.00	36.00	19.63	12.94
80	140.50	107.50	AE	97.25	7.75	6.00	8.00	n/a	n/a	1.50	1.00	36.00	19.63	12.94
100	154.50	119.75	AE	109.5	7.75	6.00	8.00	n/a	n/a	1.50	1.00	36.00	19.63	12.94
120	182.00	119.75	AE	109.5	7.75	6.00	8.00	n/a	n/a	1.50	1.00	36.00	19.63	12.94

Note: Formulation for opening for outward is in the comment at C, D1 Side of the door to Side of unit for Outward, and Side of the door opening to the side of the unit for inward. 2 Bottom of the door to bottom of 2.5" base rail for Outward, and Bottom of the door opening to the 2.5 inch base rail for inward. C is the outside to outside dimension for the outward swing door. F is the outside to outside dimension for the outward swing door.



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