

Direct-Fired Air-Turnover Indirect-Fired Infrared Unit Heaters Duct Furnaces Cooling



2000-Series

Rapid[®]
Engineering LLC

Air Handlers
Direct-Fired Heating • Pressurization



Dimension and Selection Guide

1.800.536.3461
www.rapidengineering.com



Intertek

CANADA: 100% OUTSIDE AIR ONLY

2000-Series Selection Guide

Airflow CFM (m³/h)	Model	Motor HP at Noted External Static Pressure (in wc)					dBA at Noted External Static Pressure (in wc)**			Heat Output at Maximum Temperature Rise (Btu/h) X 1000		Minimum Inlet Gas Pressure in wc (mbar)***	Manifold Size in NPT (mm)
		0	0.25	0.50	0.75	1.00	0	0.50	1.00	NG	LPG		
1,000 (1,700)	2005	2	2	2	2	2	62	66	70	97	76	7 (17.5)	0.75 (19)
2,000 (3,400)	2005	2	2	2	2	2	60	66	70	194	151	7 (17.5)	0.75 (19)
3,000 (5,100)	2005	3	3	3	3	3	60	65	70	292	227	7 (17.5)	0.75 (19)
4,000 (6,800)	2005	3	3	3	3	3	62	65	70	389*	302	7 (17.5)	0.75 (19)
4,000 (6,800)	2010	3	3	3	3	3	59	65	69	432	346	7 (17.5)	1.0 (25)
5,000 (8,500)	2010	3	3	3	3	3	58	63	68	540	432	7 (17.5)	1.0 (25)
6,000 (10,200)	2010	5	5	5	5	5	58	62	67	648	518	7 (17.5)	1.0 (25)
7,000 (11,900)	2010	5	5	5	5	5	59	62	66	756	605	7 (17.5)	1.0 (25)
8,000 (13,600)	2010	5	5	5	5	5	60	63	66	800*	691	7 (17.5)	1.0 (25)
9,000 (15,300)	2010	7.5	7.5	7.5	7.5	7.5	61	64	67	800*	778	7 (17.5)	1.0 (25)
10,000 (17,000)	2010	7.5	7.5	7.5	7.5	7.5	62	65	68	800*	800	7 (17.5)	1.0 (25)
7,000 (11,900)	2010B	5	5	5	5	5	59	62	66	756	605	7 (17.5)	1.25 (32)
8,000 (13,600)	2010B	5	5	5	5	5	60	63	66	864	691	7 (17.5)	1.25 (32)
9,000 (15,300)	2010B	7.5	7.5	7.5	7.5	7.5	61	64	67	972	778	7 (17.5)	1.25 (32)
10,000 (17,000)	2010B	7.5	7.5	7.5	7.5	7.5	62	65	68	1,080	864	7 (17.5)	1.25 (32)
11,000 (18,700)	2010B	10	10	10	10	10	64	66	68	1,188	950	7 (17.5)	1.25 (32)
12,000 (20,400)	2010B	10	10	10	10	10	66	68	69	1,296	1,037	7 (17.5)	1.25 (32)
13,000 (22,100)	2010B	10	10	10	10	15	67	69	CF	1,404	1,123	7 (17.5)	1.25 (32)
14,000 (23,800)	2010B	10	10	15	15	15	69	CF	CF	1,512	1,210	7 (17.5)	1.25 (32)
12,000 (20,400)	2020	7.5	7.5	7.5	7.5	7.5	66	70	73	1,296	1,037	9 (22.5)	1.5 (38)
14,000 (23,800)	2020	10	10	10	10	10	69	70	73	1,512	1,210	9 (22.5)	1.5 (38)
16,000 (27,200)	2020	10	10	10	10	10	70	72	76	1,728	1,382	9 (22.5)	1.5 (38)
18,000 (30,600)	2020	15	15	15	15	15	70	74	77	1,944	1,555	9 (22.5)	1.5 (38)
20,000 (34,000)	2020	15	15	15	15	15	70	74	77	2,160	1,728	9 (22.5)	1.5 (38)
22,000 (37,400)	2020	20	20	20	20	20	71	74	77	2,376	1,901	9 (22.5)	1.5 (38)
25,000 (42,500)	2020	20	20	20	20	20	72	75	77	2,700	2,160	9 (22.5)	1.5 (38)
25,000 (42,500)	2030	15	15	15	15	15	70	72	74	2,700	2,160	11 (27.5)	2.0 (51)
27,500 (46,700)	2030	15	15	15	15	15	71	73	75	2,970	2,376	11 (27.5)	2.0 (51)
30,000 (51,000)	2030	20	20	20	25	25	73	75	76	3,240	2,592	11 (27.5)	2.0 (51)
32,500 (55,200)	2030	20	20	20	20	25	75	76	77	3,510	2,808	11 (27.5)	2.0 (51)
35,000 (59,500)	2030	20	25	25	25	25	77	77	79	3,780	3,024	11 (27.5)	2.0 (51)
37,500 (63,700)	2030	25	25	30	30	30	78	79	79	4,050	3,240	11 (27.5)	2.0 (51)
40,000 (68,000)	2030	30	30	30	CF	CF	80	CF	CF	4,320	3,456	11 (27.5)	2.0 (51)
35,000 (59,500)	2040	15	20	20	25	25	68	73	77	3,780	N/A	Consult Factory	1.5 - 3.0 (38 - 76)
37,500 (63,700)	2040	20	20	25	25	30	69	73	77	4,050			1.5 - 3.0 (38 - 76)
40,000 (68,000)	2040	20	25	25	30	30	70	73	77	4,320			1.5 - 3.0 (38 - 76)
42,500 (72,200)	2040	25	25	30	30	40	71	74	77	4,590			1.5 - 3.0 (38 - 76)
45,000 (76,500)	2040	30	30	30	40	40	72	74	77	4,860			1.5 - 3.0 (38 - 76)
47,500 (80,700)	2040	30	40	40	40	40	73	75	78	5,130			1.5 - 3.0 (38 - 76)
45,000 (76,500)	2050	20	20	25	25	30	72	74	77	4,860	N/A		1.5 - 3.0 (38 - 76)
47,500 (80,700)	2050	20	25	25	30	30	73	75	77	5,130			1.5 - 3.0 (38 - 76)
50,000 (85,000)	2050	25	30	30	40	40	74	75	77	5,400			1.5 - 3.0 (38 - 76)
52,500 (89,200)	2050	25	30	30	40	40	74	76	78	5,670			1.5 - 3.0 (38 - 76)
55,000 (93,400)	2050	25	30	40	40	40	75	77	78	5,940			1.5 - 3.0 (38 - 76)
57,500 (97,700)	2050	30	40	40	40	40	76	78	79	6,210			1.5 - 3.0 (38 - 76)
60,000 (101,900)	2050	30	40	40	40	50	77	78	80	6,480			1.5 - 3.0 (38 - 76)

IMPORTANT NOTES: All information provided in this table is based on the assumption that unit is at sea level.

CF = Consult Factory

*Temperature rise at this CFM is less than maximum temperature rise. Heat output is based on heater operation in 100% outside air mode.

** dBA is measured at 10' (3 m) from unducted discharge.

*** Maximum Inlet Gas Pressure: ANSI - Compliant Manifold (2005 - 2030) = 14 in wc (34.9 mbar)

ANSI - Compliant Manifold (2040 - 2050) = 5 psi (344.7 mbar)

FM and XL Insurance (formerly-IRI) - Compliant Manifold (All Models) = 5 psi (344.7 mbar)

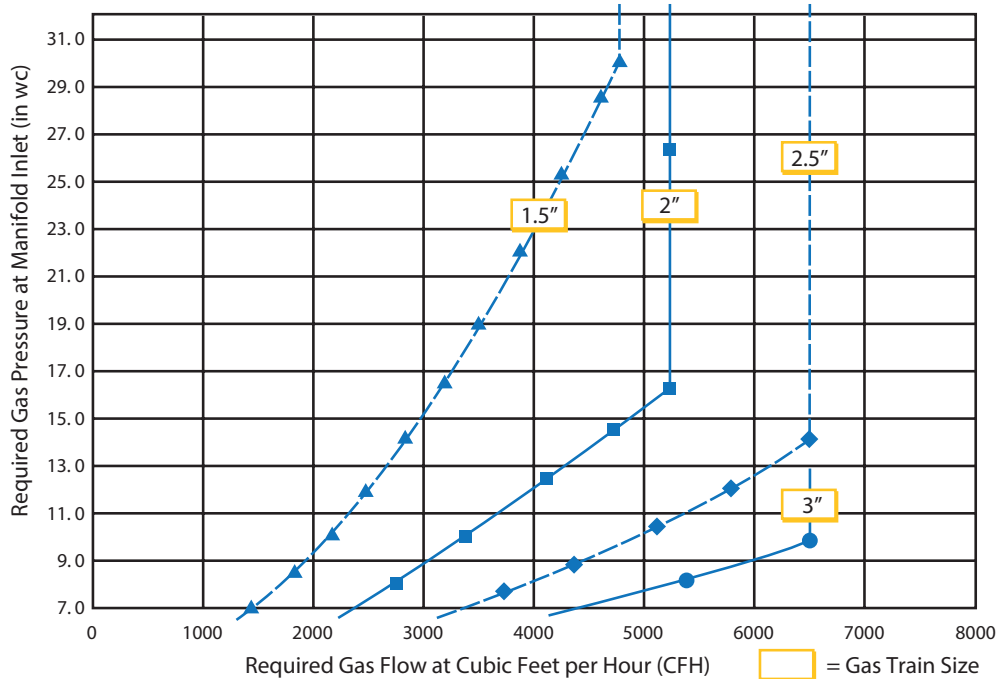
2040 & 2050 Manifold Selection Charts



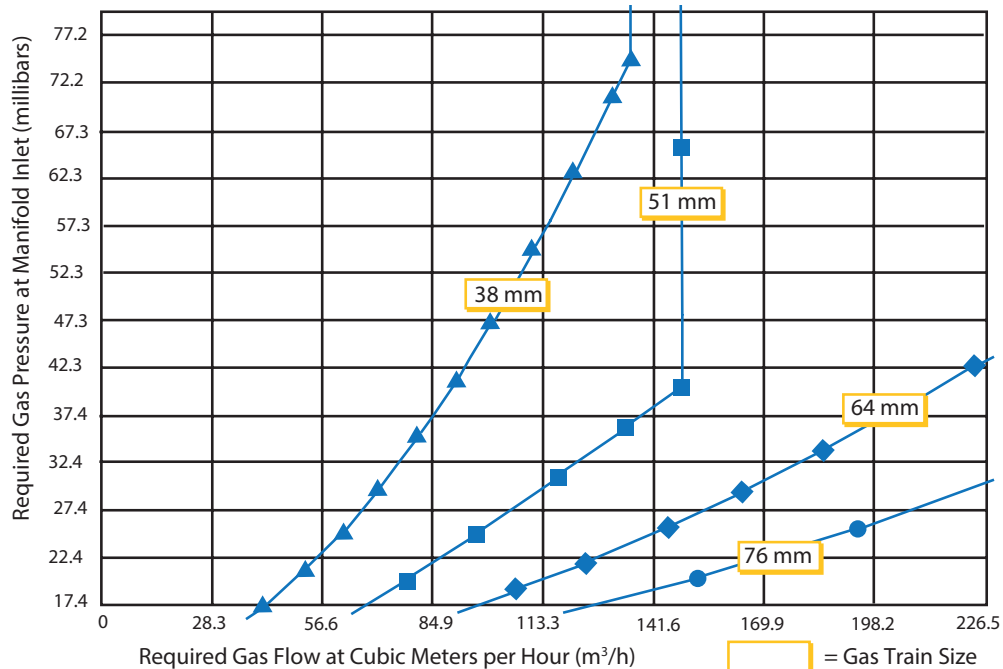
DIRECTIONS:

- To calculate cubic feet (meters) per hour:
 - For NG Unit: 1 MBH = 1,000 Btu/h = 1 CFH = 0.028 CMH (m³/h)
 - For LPG Unit: 1 MBH = 1,000 Btu/h = .65 CFH = 0.018 CMH (m³/h)
- Select a point on the chart that represents the intersection of the inlet gas pressure and the unit cubic feet (meters) per hour.
- Select the manifold size to the right of this point. See Page 2 for additional manifold sizes.

Natural Gas Flow vs. Required Inlet Pressure using an NP2-LE burner

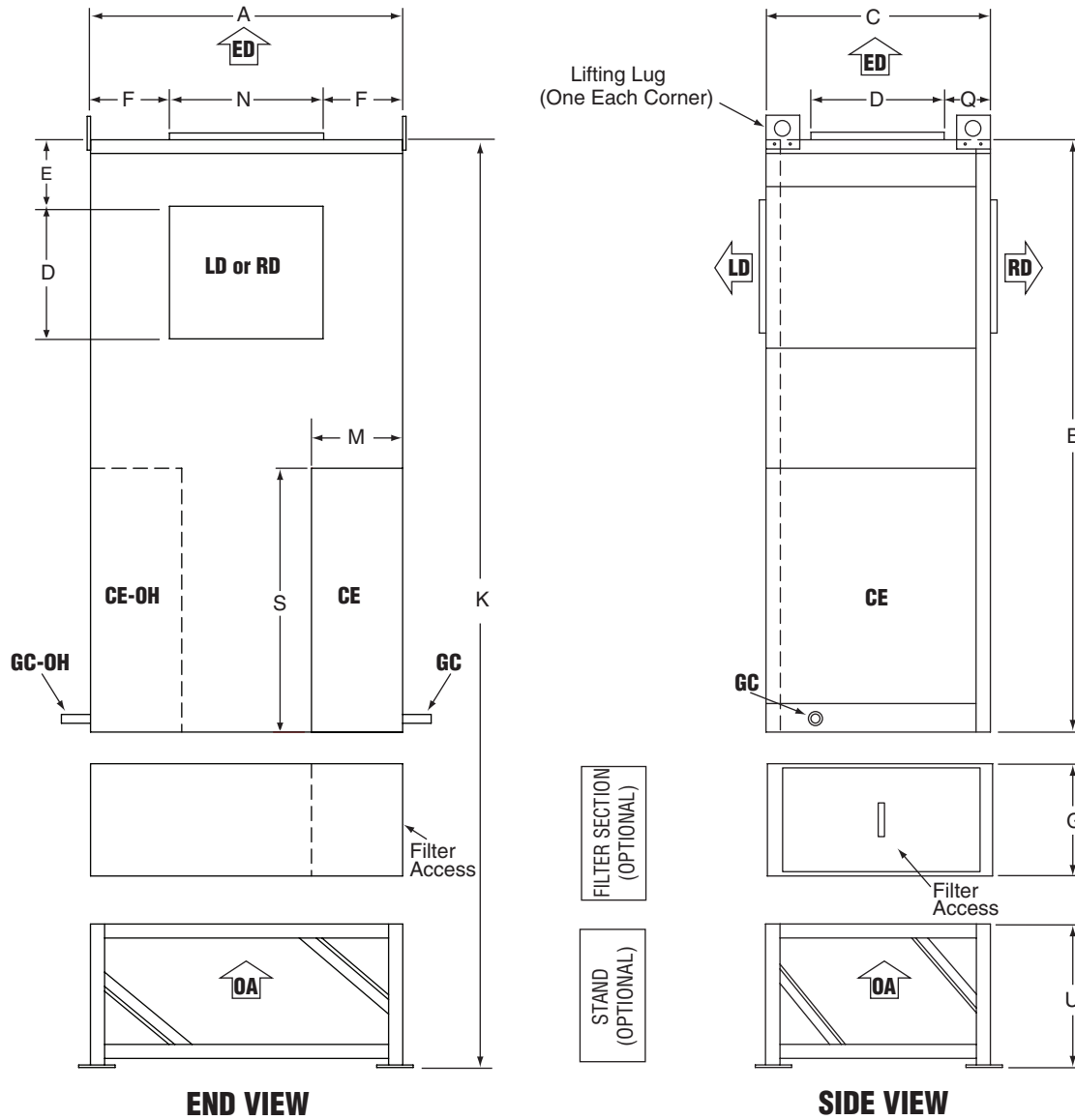


Natural Gas Flow vs. Required Inlet Pressure using an NP2-LE burner



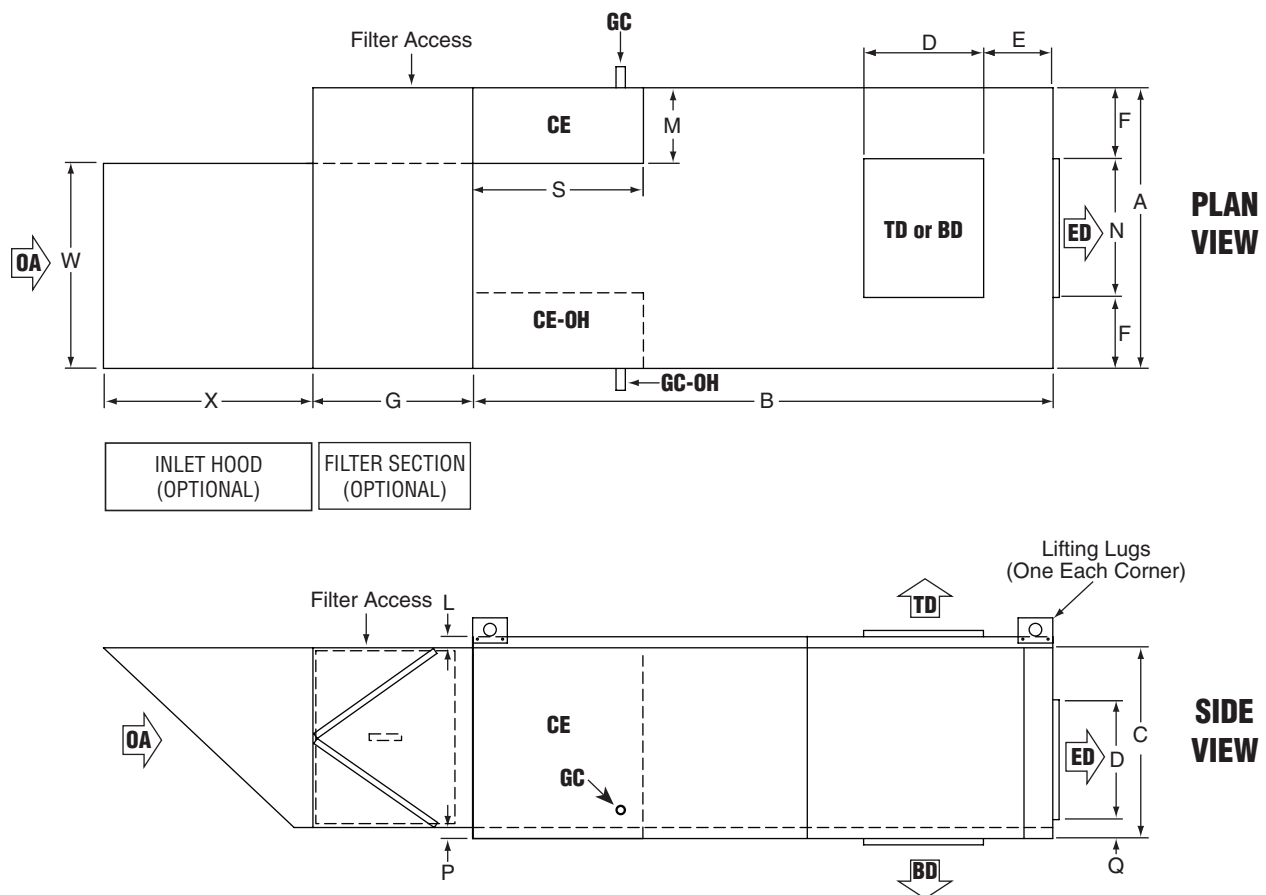


2005 Upright Model Dimensions



Model		CFM	A	B	C	D	E	F	G	K	L	M	N	P	Q	S	U	W	X
2005	(in)	1,000 - 3,000	32.3	60.3	28.3	10.4	6.8	11.5	27.0	117.3	1.5	8.0	9.3	1.8	3.1	35.2	30.0	25.2	38.4
	(cm)		82.0	153.2	71.9	26.4	17.3	29.2	68.6	297.9	3.8	20.3	23.6	4.6	7.9	89.4	76.2	64.0	97.5
	(in)	4,000	32.3	60.3	28.3	13.8	7.6	8.2	27.0	117.3	1.5	8.0	15.8	1.8	3.1	35.2	30.0	25.2	38.4
	(cm)		82.0	153.2	71.9	35.1	19.3	20.8	68.6	297.9	3.8	20.3	40.1	4.6	7.9	89.4	76.2	64.0	97.5

2005 Horizontal Model Dimensions



ESTIMATED SHIPPING WEIGHTS

Model		Air Handler	Skid
2005	(lb)	450.0	50.0
	(kg)	204.1	22.7

LEGEND

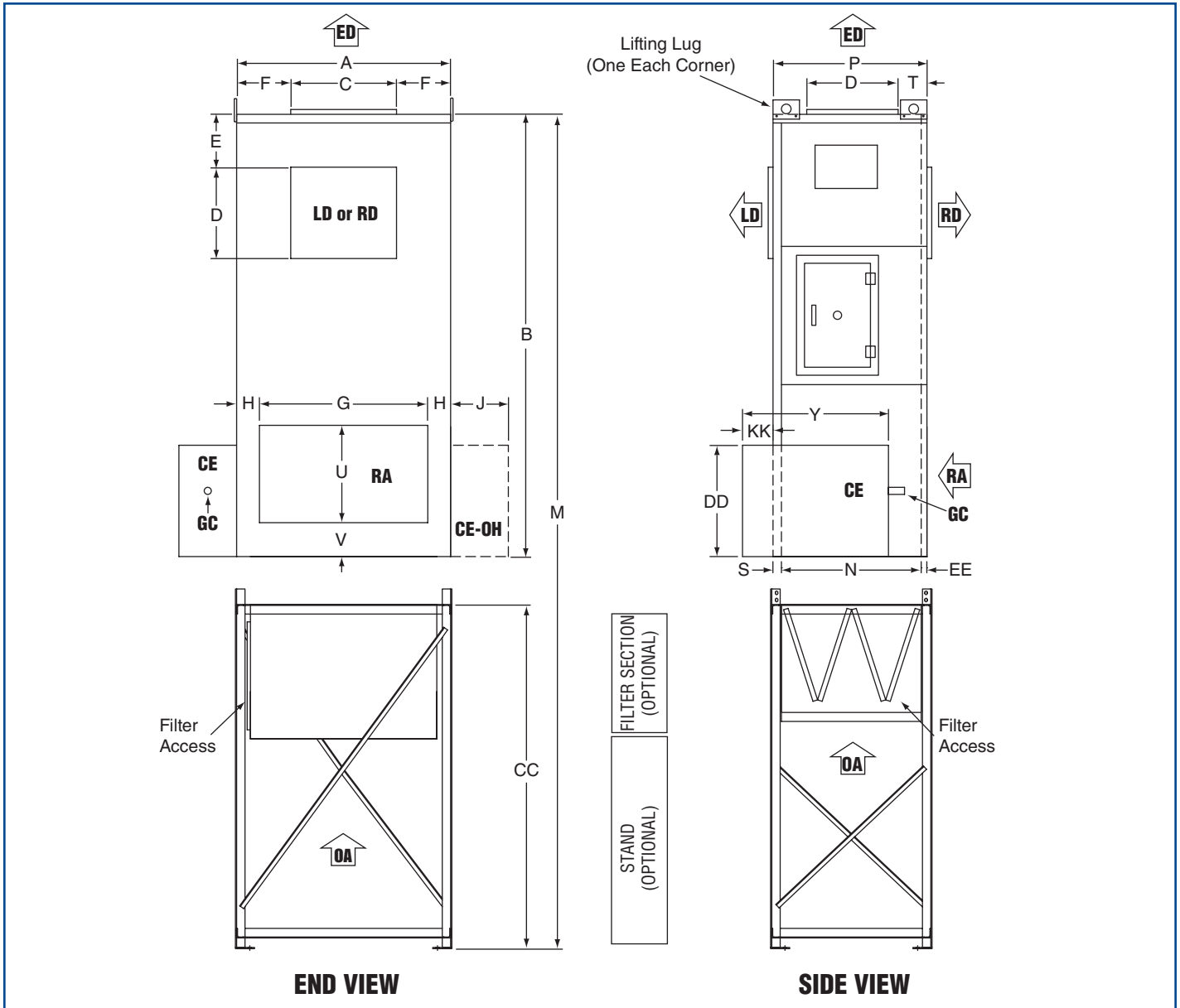
BD = Bottom Discharge
CE = Control Enclosure
GC = Gas Connection
ED = End Discharge
LD = Left Discharge
OA = Outside Air
RA = Return Air (Optional)
RD = Right Discharge
TD = Top Discharge
OH = Opposite Hand

IMPORTANT NOTES:

- Shipping weights apply to both horizontal and upright models.
- All dimensions and weights are subject to change without notice.
- Outdoor air duct size varies. Consult factory.
- Control enclosure is located on left side of air handler when looking downstream into inlet end.



2010, 2010B, 2020 & 2030 Upright Model Dimensions



Model		A	B	C	D	E	F	G	H	J	M	N	P	Q	R	S	T	U	V	W	Y	Z
2010/2010B	(in)	44.2	92.3	22.0	19.0	10.5	11.1	37.9	3.2	14.0	*	29.6	32.7	48.1	35.1	1.6	3.0	10.0	3.4	56.4	37.2	34.0
	(cm)	112.3	234.4	55.9	48.3	26.7	28.2	96.3	8.1	35.6	*	75.2	83.1	122.2	89.2	4.1	7.6	25.4	8.6	143.2	94.5	86.3
2020	(in)	56.0	116.2	31.5	31.5	13.8	12.3	44.3	6.0	17.0	188.2	52.6	56.1	69.6	23.3	1.5	3.9	26.5	6.0	89.3	44.0	31.0
	(cm)	142.2	295.1	80.0	80.0	35.0	31.2	112.5	15.2	43.2	477.8	133.6	142.5	176.8	59.2	3.8	9.9	67.3	15.2	226.8	111.8	78.7
2030	(in)	68.0	116.2	36.8	36.8	17.0	15.6	56.3	6.0	17.0	188.2	56.6	60.1	69.6	23.3	1.5	3.9	30.5	6.0	86.9	44.0	31.0
	(cm)	172.7	295.1	93.5	93.5	43.2	39.6	143.0	15.2	43.2	477.8	143.8	152.7	176.8	59.2	3.8	9.9	77.5	15.2	220.7	111.8	78.7

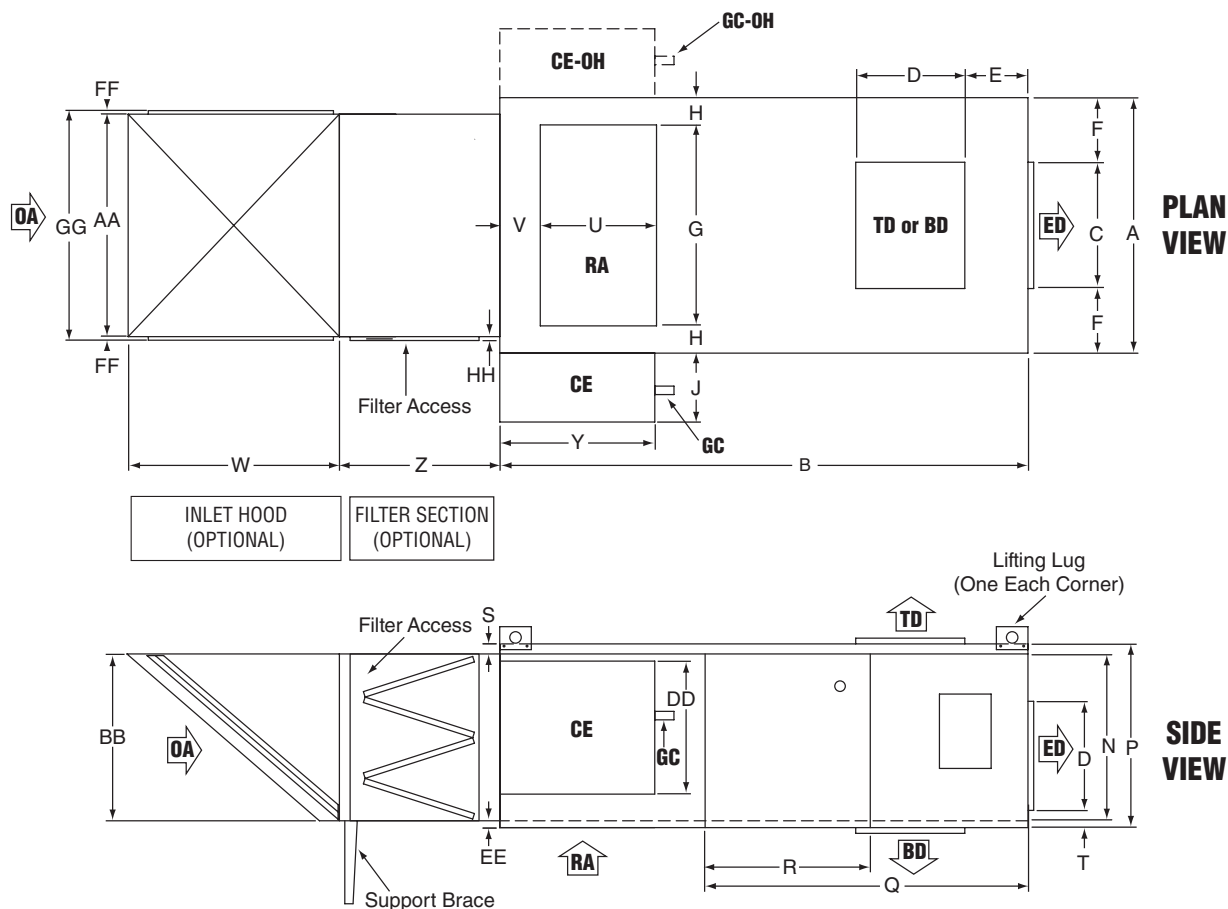
Refer to M in stand chart below.

Model		AA	BB	CC	DD	EE	FF	GG	HH	KK
2010/2010B	(in)	38.8	28.8	**	28.6	1.5	1.1	41.0	0.5	6.5
	(cm)	98.6	73.2	**	72.6	3.8	2.8	104.1	1.3	16.5
2020	(in)	49.7	52.8	72.0	33.0	2.0	1.1	52.0	0.4	N/A
	(cm)	126.2	134.1	182.9	83.8	5.1	2.8	132.1	1.0	N/A
2030	(in)	64.1	56.8	72.0	33.0	2.0	1.1	66.4	0.4	N/A
	(cm)	162.8	144.3	182.9	83.8	5.1	2.8	168.7	1.0	N/A

Refer to CC in stand chart to the right.

Model		M*	Height CC**
2010/2010B	(in)	145.3	53.0
	(cm)	369.1	134.6
	(in)	164.3	72.0
	(cm)	417.3	182.9

2010, 2010B, 2020 & 2030 Horizontal Model Dimensions



ESTIMATED SHIPPING WEIGHTS

Model		Air Handler	Skid
2010/ 2010B	(lb)	700.0	140.0
	(kg)	317.5	63.5
2020	(lb)	1,400.0	340.0
	(kg)	638.0	154.2
2030	(lb)	1,650.0	365.0
	(kg)	748.4	165.6

LEGEND

BD = Bottom Discharge

CE = Control Enclosure

GC = Gas Connection

ED = End Discharge

LD = Left Discharge

OA = Outside Air

RA = Return Air (Optional)

RD = Right Discharge

TD = Top Discharge

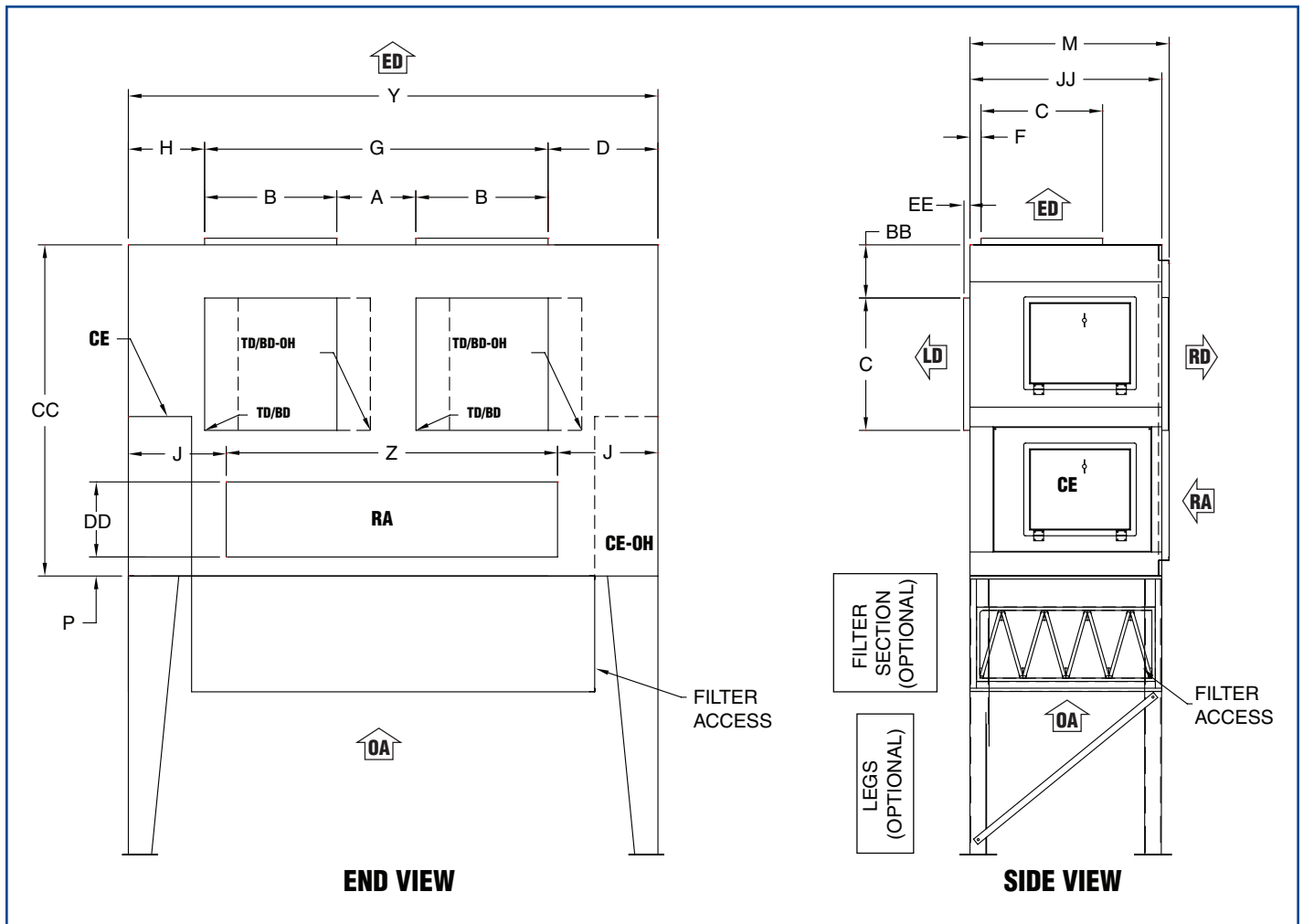
OH = Opposite Hand

IMPORTANT NOTES:

- Shipping weights apply to both horizontal and upright models.
- All dimensions and weights are subject to change without notice.
- Outdoor air duct size varies. Consult factory.
- Support brace required on horizontal units only if both filter section and inlet hood are required. Support brace provided by factory.
- Control enclosure is located on right side of air handler when looking downstream into inlet end.
- Return Air (RA) is only for Fixed Recirculation (FR) and Air Management (AM) styles.



2040 & 2050 Upright Model Dimensions



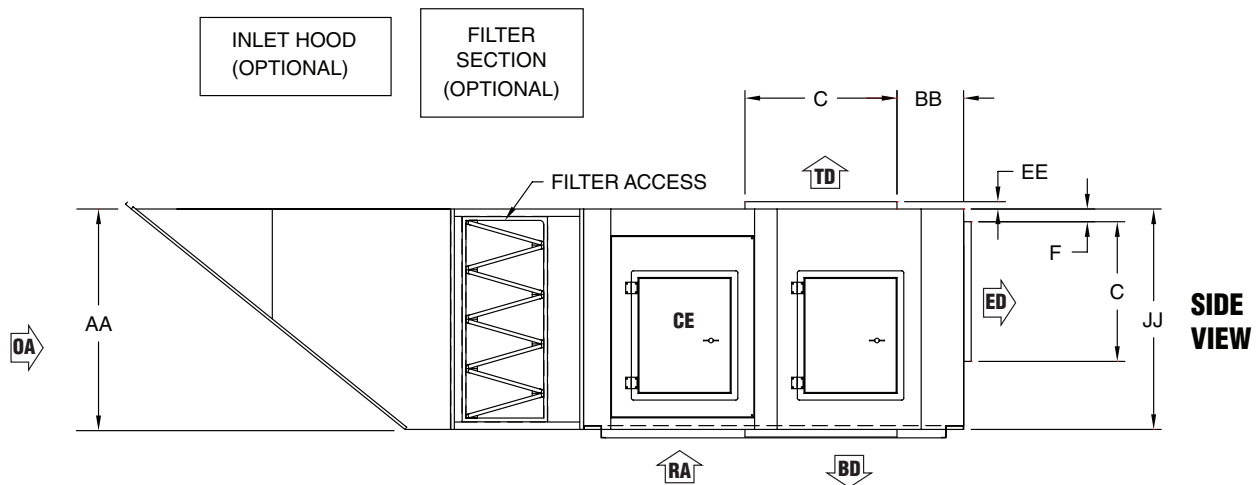
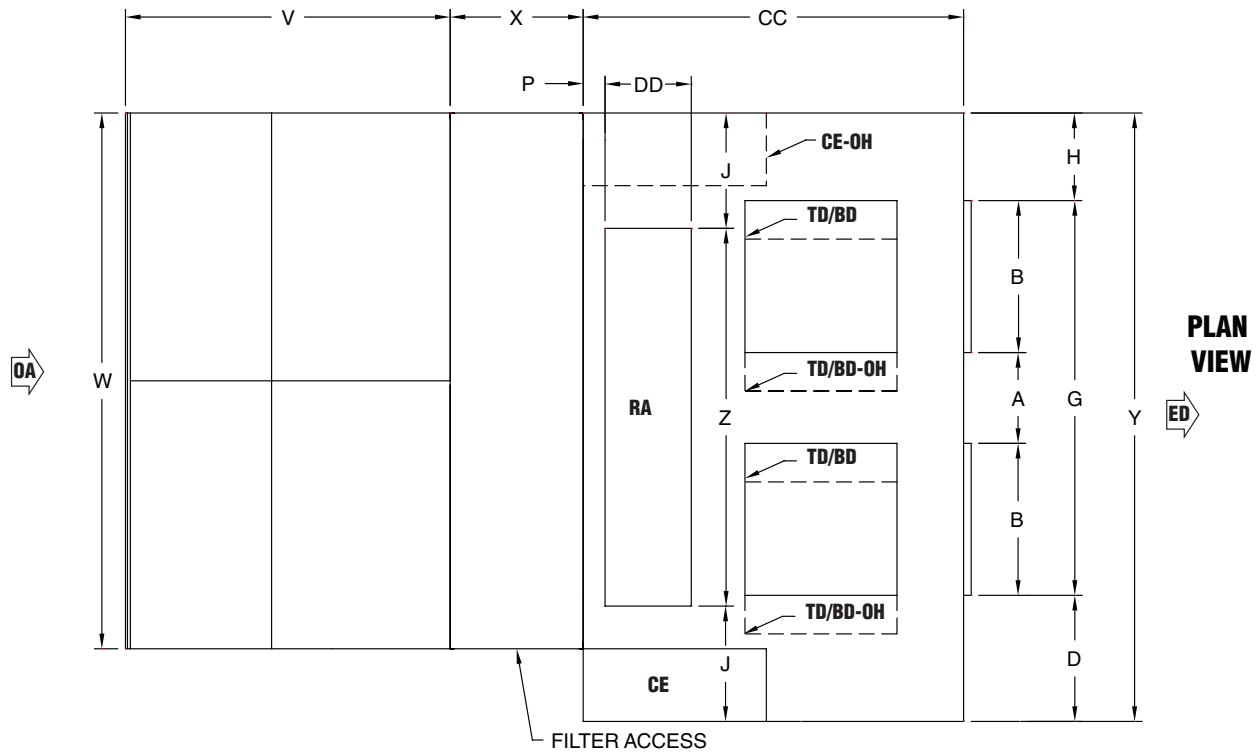
Model		A	B	C	D	F	G	H	J	M	P	V	W	X	Y	Z
2040	(in)	25.0	31.3	31.3	34.7	14.9	87.6	37.9	22.0	60.3	10.5	91.4	139.2	30.0	160.0	116.3
	(cm)	63.5	79.5	79.5	88.1	37.8	222.5	96.3	55.9	153.0	26.7	232.2	353.6	76.2	406.4	295.4
2050	(in)	30.0	36.7	36.7	37.8	3.6	103.4	18.8	22.0	60.3	10.5	91.4	139.2	30.0	160.0	116.3
	(cm)	76.2	93.2	93.2	96.0	9.1	262.6	47.8	55.9	153.0	26.7	232.2	353.6	76.2	406.4	295.4

ESTIMATED SHIPPING WEIGHTS

Model		AA	BB	CC	DD	EE	JJ
2040	(in)	53.2	15.7	99.8	23.5	4.5	58.1
	(cm)	135.1	39.9	253.5	59.7	11.4	147.6
2050	(in)	53.2	19.1	99.8	23.5	4.5	58.1
	(cm)	135.1	48.5	253.5	59.7	11.4	147.6

Model		Air Handler
2040	(lb)	3,350.0
	(kg)	1,520.0
2050	(lb)	3,800.0
	(kg)	1,723.7

2040 & 2050 Horizontal Model Dimensions



LEGEND

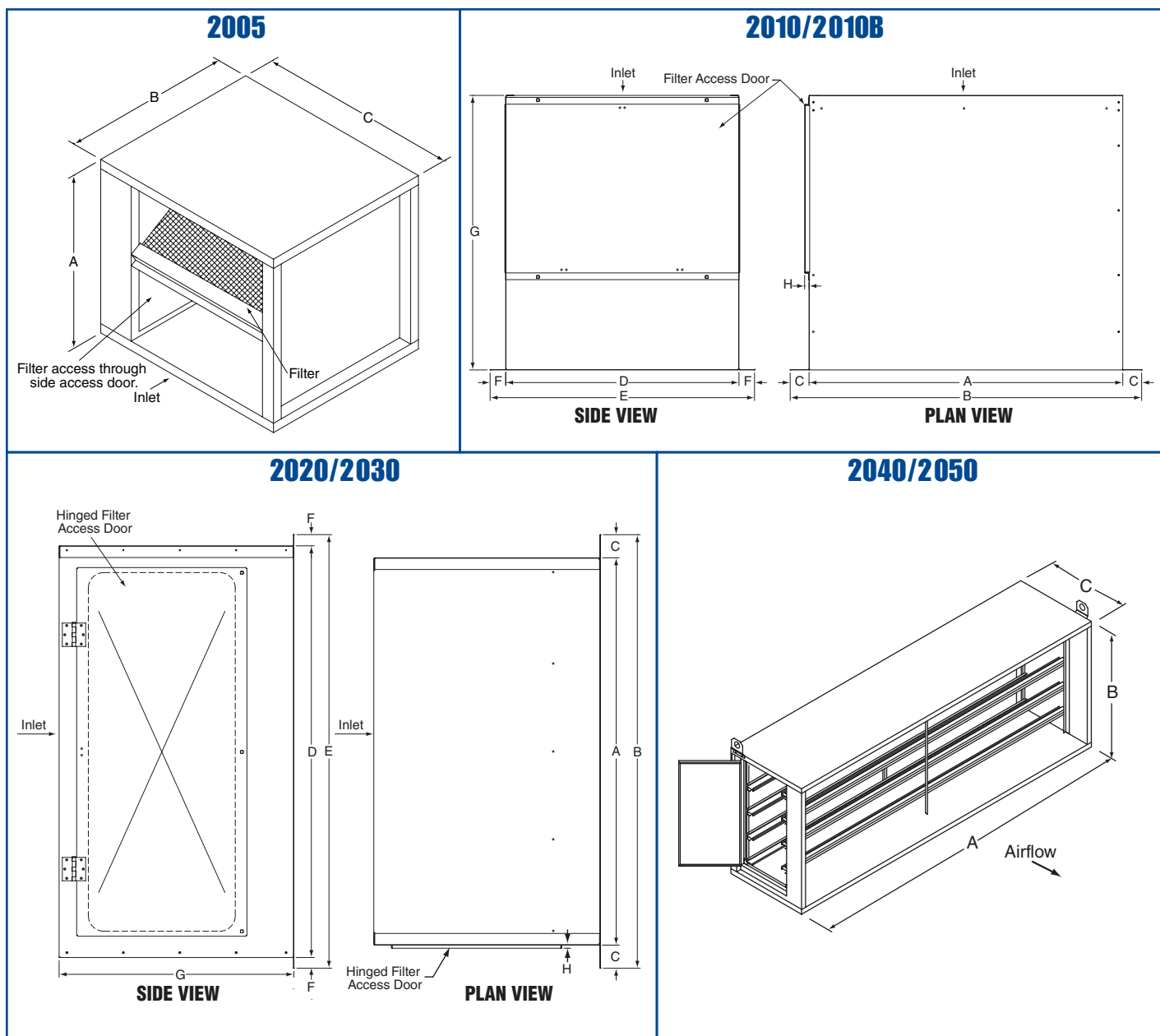
BD	Bottom Discharge
CE	Control Enclosure
GC	Gas Connection
ED	End Discharge
LD	Left Discharge
OA	Outside Air
RA	Return Air (Optional)
RD	Right Discharge
TD	Top Discharge
OH	Opposite Hand

IMPORTANT NOTES:

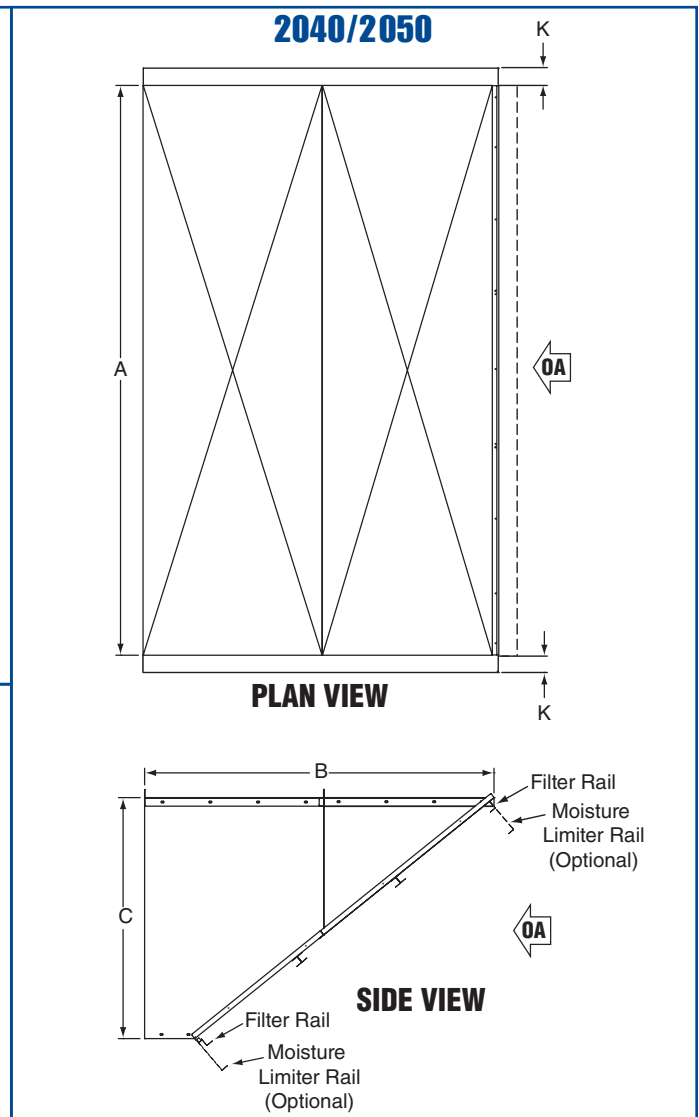
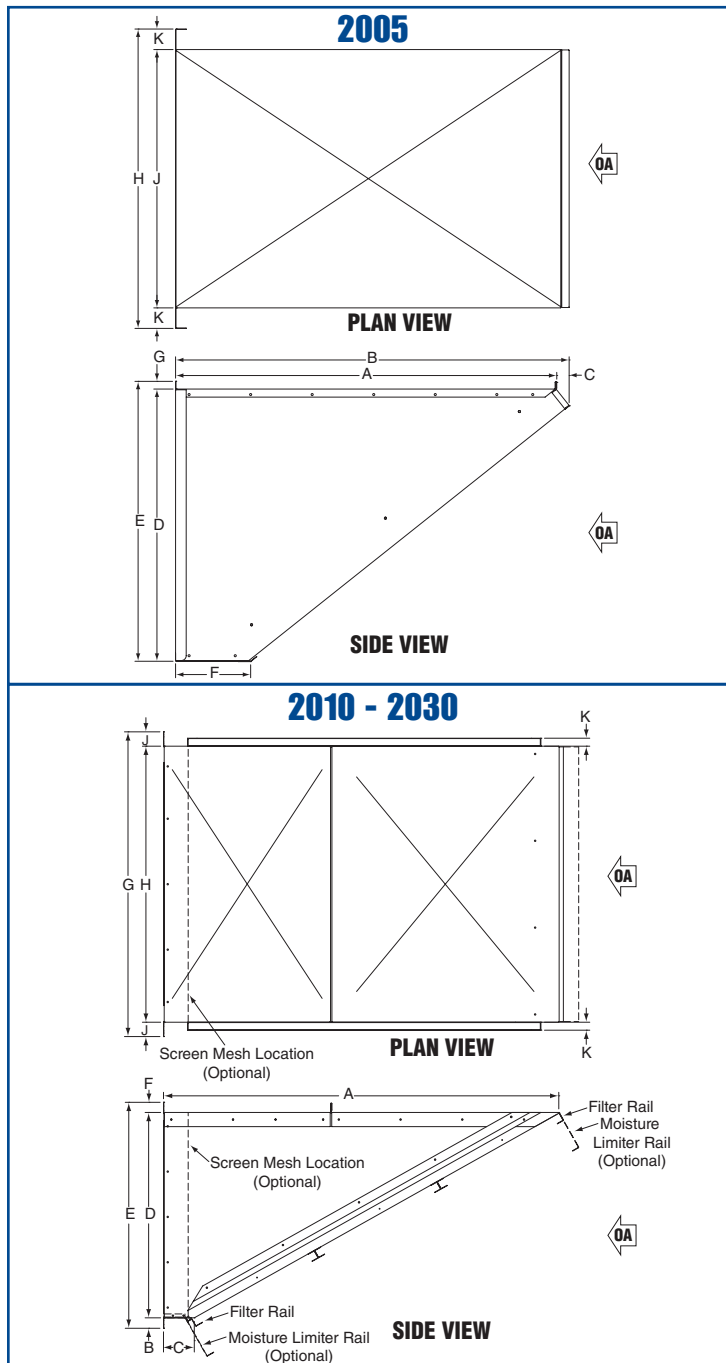
- Shipping weights apply to both horizontal and upright models.
- All dimensions and weights are subject to change without notice.
- Outdoor air duct size varies. Consult factory.
- Support brace required on horizontal units only if both filter section and inlet hood are required. Support brace provided by others.
- Control enclosure is located on right side of air handler when looking downstream into inlet end.
- Return Air (RA) is only for Fixed Recirculation (FR) and Air Management (AM) styles.
- Roof is pitched at 1°.



Filter Section Dimensions



Model		Filter Section								Filters				Weight	
										Permanent Aluminum Mesh					
		A	B	C	D	E	F	G	H	Size	Qty	Size	Qty	lbs	kg
2005	(in) (cm)	28.3 71.9	27.0 68.6	32.3 82.1	N/A	N/A	N/A	N/A	N/A	20 x 25 x 2 50.8 x 63.5 x 5.1	2	20 x 50 x 1 50.8 x 127 x 2.5	1	100.0	45.4
2010/2010B	(in) (cm)	38.8 98.6	43.4 110.2	2.3 5.9	28.8 73.2	32.7 83.1	1.9 4.9	34.0 86.3	0.5 1.3	20 x 20 x 1 50.8 x 50.8 x 2.5	8	20 x 40 x 1 50.8 x 101.6 x 2.5	4	100.0	45.4
2020	(in) (cm)	49.7 126.2	55.7 141.5	3.0 7.6	52.8 134.1	55.7 141.5	1.4 3.6	31.0 78.7	0.4 1.0	20 x 25 x 1 50.8 x 63.5 x 2.5	12	20 x 50 x 1 50.8 x 127 x 2.5	6	220.0	99.8
2030	(in) (cm)	64.1 162.8	68.3 173.5	2.1 5.3	56.8 144.3	60.7 154.2	1.9 4.8	31.0 78.7	0.4 1.0	20 x 20 x 1 & 20 x 25 x 1 50.8 x 50.8 x 2.5 & 50.8 x 63.5 x 2.5	16 & 8	20 x 60 x 1 50.8 x 152.4 x 2.5	8	270.0	122.5
2040/2050	(in) (cm)	137.5 349.3	53.2 135.1	30.0 76.2	N/A	N/A	N/A	N/A	N/A	20 x 20 x 1 50.8 x 50.8 x 2.5	56	20 x 140 x 1 50.8 x 355.6 x 2.5	8	580.0	263.1



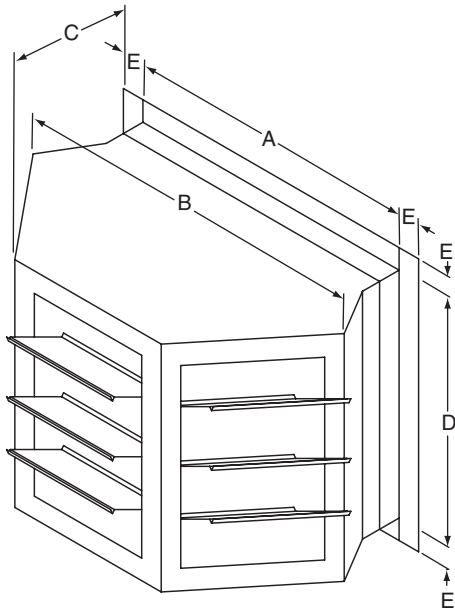
IMPORTANT NOTES:

- Models 2010-2050 inlet hood also available with screen mesh, no filters. Weight equals filtered variation.

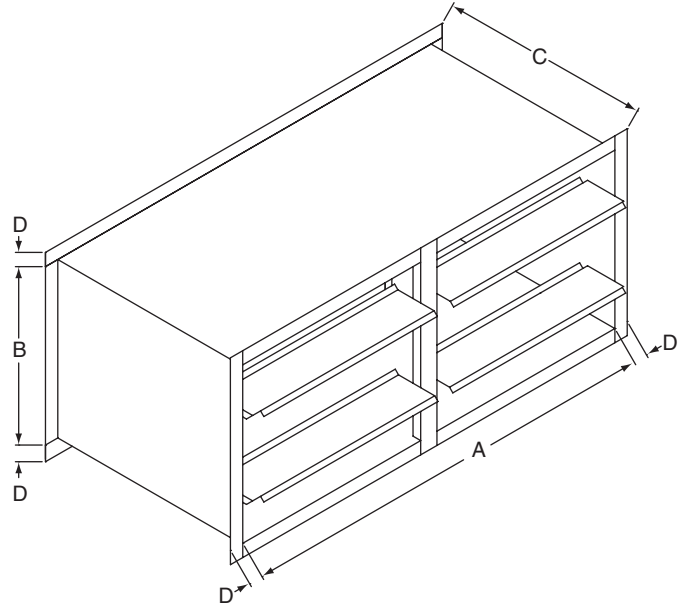
Model		Inlet Hood										Permanent Aluminum Mesh Filters				Moisture Limiter			
												Size		Qty	Weight		Size		Qty
		lbs	kg	lbs	kg														
2005	(in) (cm)	37.2 94.5	38.4 97.5	1.2 3.0	26.4 67.1	27.3 69.3	7.3 18.5	0.9 2.3	29.2 74.2	25.0 63.5	2.1 5.3	20 x 25 x 2 50.8 x 63.5 x 5.1	2	60.0	27.2	N/A	N/A	N/A	N/A
2010/ 2010B	(in) (cm)	56.4 143.2	1.5 3.8	4.3 10.9	29.0 73.7	31.9 81.0	1.4 3.6	43.0 109.0	38.9 98.8	2.0 5.1	1.1 2.8	20 x 20 x 1 50.8 x 50.8 x 2.5	6	110.0	49.9	12 x 60 x 5.5 30.5 x 152.4 x 14.0	3	120.0	54.4
2020	(in) (cm)	89.3 226.8	1.3 3.3	5.0 12.7	52.8 134.1	55.3 140.5	1.3 3.3	52.1 132.3	49.7 126.2	1.2 3.0	1.1 2.8	20 x 25 x 1 50.8 x 63.5 x 2.5	10	190.0	86.2	12 x 96 x 5.5 30.5 x 243.8 x 14.0	4	210.0	95.3
2030	(in) (cm)	86.9 220.7	1.3 3.3	4.7 11.9	56.8 144.3	59.3 150.6	1.3 3.3	66.8 169.7	64.1 162.8	1.3 3.3	1.1 2.8	20 x 20 x 1 & 20 x 25 x 1 50.8 x 50.8 x 2.5 & 50.8 x 63.5 x 2.5	10 & 5	240.0	108.9	12 x 96 x 5.5 30.5 x 243.8 x 14.0	5	260.0	117.9
2040/ 2050	(in) (cm)	137.5 349.3	91.4 232.2	53.2 135.1	N/A	N/A	N/A	N/A	N/A	N/A	1.0 2.5	20 x 20 x 1 50.8 x 50.8 x 2.5	35	600.0	272.2	12 x 96 x 5.5 & 18 x 96 x 5.5 30.5 x 243.8 x 14.0 & 45.7 x 243.8 x 14.0	10 & 1	710.0	322.0

Discharge Head Dimensions

2005 - 2030 THREE-WAY



2040/2050 ONE-WAY

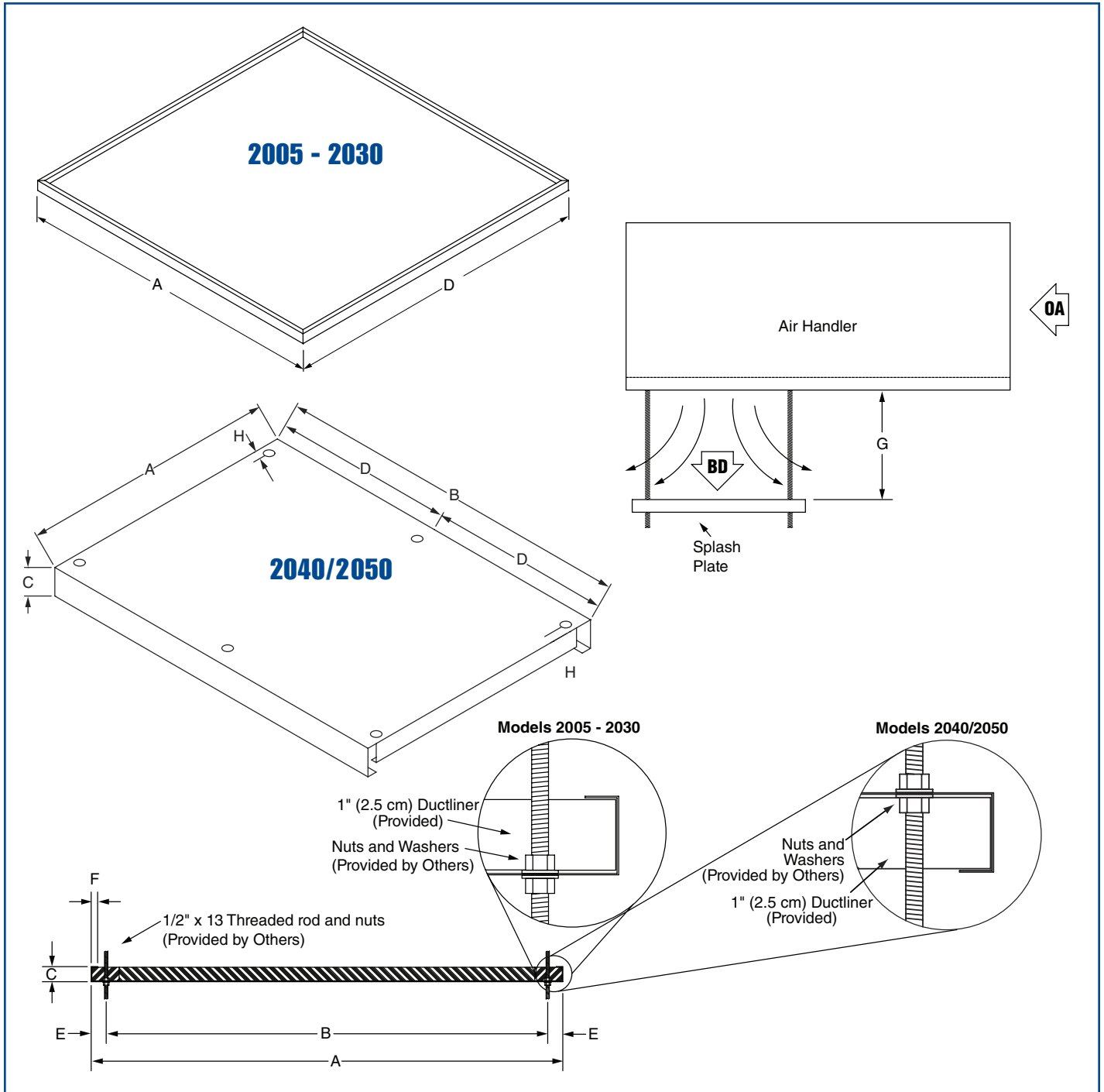


Model			A	B	C	D	E	Weight	
								lbs	kg
2005	(in)	19.0	40.8	23.8	21.0	2.0			
	(cm)	48.3	103.5	60.3	53.3	5.1		50.0	22.7
2010/2010B	(in)	22.4	40.8	24.0	19.4	2.0			
	(cm)	56.9	103.5	61.0	49.3	5.1		80.0	36.3
2020	(in)	31.9	43.3	21.5	33.9	2.0			
	(cm)	81.0	109.9	54.6	86.1	5.1		120.0	54.4
2030	(in)	36.9	48.3	22.5	36.9	2.0			
	(cm)	93.7	122.6	57.2	93.7	5.1		160.0	72.6

Model			A	B	C	D	Weight	
							lbs	kg
2040	(in)	87.8	39.8	30.0	3.0			
	(cm)	222.9	101.1	76.2	7.6		215.0	97.5
2050	(in)	103.8	48.5	30.0	2.0			
	(cm)	263.5	123.2	76.2	5.1		355.0	161.0

IMPORTANT NOTES:

- Discharge head must be field supported by others.
- Discharge head has manually adjustable horizontal blades.

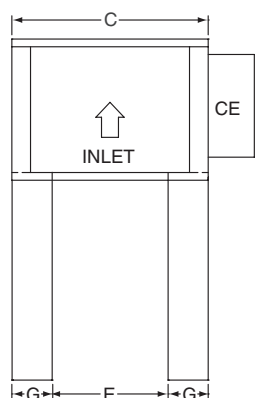


Model		A	B	C	D	E	F	G (min)	G (max)	H	Weight	
											lbs	kg
2005	(in)	22.0	19.5	0.9	25.0	1.3	0.6	15.0	20.0	N/A	20.0	9.1
	(cm)	55.9	49.5	2.2	63.5	3.2	1.6	38.1	50.8	N/A		
2010/2010B	(in)	44.0	41.5	0.9	44.0	1.3	0.6	18.0	27.0	N/A	40.0	18.1
	(cm)	111.8	105.4	2.2	111.8	3.2	1.6	47.5	68.6	N/A		
2020	(in)	54.8	51.3	1.8	54.8	1.8	0.8	25.0	38.0	N/A	60.0	27.2
	(cm)	139.1	130.2	4.4	139.1	4.4	2.0	63.5	96.5	N/A		
2030	(in)	54.8	51.3	1.8	54.8	1.8	0.8	30.0	45.0	N/A	60.0	27.2
	(cm)	139.1	130.2	4.4	139.1	4.4	2.0	76.2	114.3	N/A		
2040/2050	(in)	51.0	110.4	3.0	55.2	2.0	1.0	25.0	38.0	1.8	170.0	77.1
	(cm)	129.5	280.4	7.6	140.2	5.1	2.5	63.5	96.5	4.6		

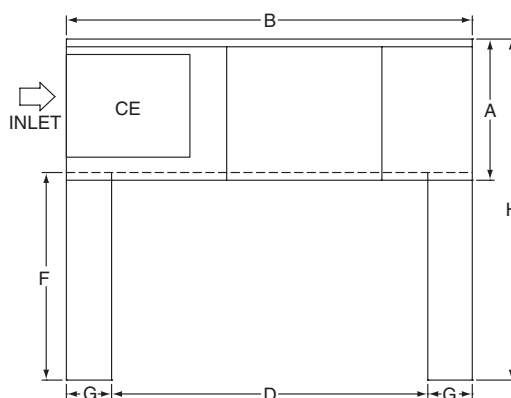
IMPORTANT NOTES:

- 2005 - 2030 require four threaded rods.
- 2040 and 2050 require six threaded rods.

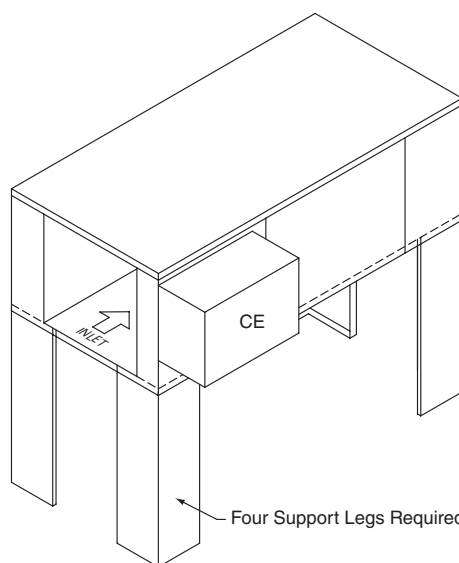
2005 - 2030



INLET VIEW



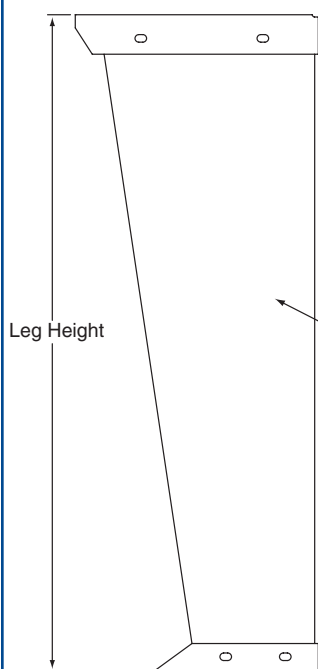
RIGHT SIDE VIEW



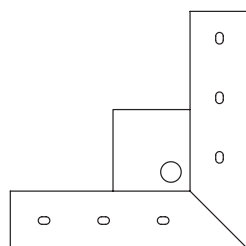
Four Support Legs Required

Model			A	B	C	D	E	F	G	H	Weight (each leg)	
											lbs	kg
2005 (See Note)	(in)		28.3	60.3	32.3	31.1	3.1	46.0	14.6	72.5	26.0	11.8
	(cm)		71.9	153.2	82.0	79.0	7.9	116.8	37.1	184.2		
2010/2010B	(in)		32.7	92.3	44.2	63.1	15.0	46.0	14.6	77.2	26.0	11.8
	(cm)		83.1	234.4	112.3	160.3	38.1	116.8	37.1	196.1		
2020	(in)		56.1	116.1	56.0	86.9	26.8	46.0	14.6	100.1	26.0	11.8
	(cm)		142.5	294.9	142.2	220.7	68.1	116.8	37.1	254.3		
2030	(in)		60.1	116.1	68.0	96.9	38.8	46.0	14.6	104.1	26.0	11.8
	(cm)		152.7	294.9	172.7	220.7	98.6	116.8	37.1	264.4		

2040/2050



SIDE VIEW



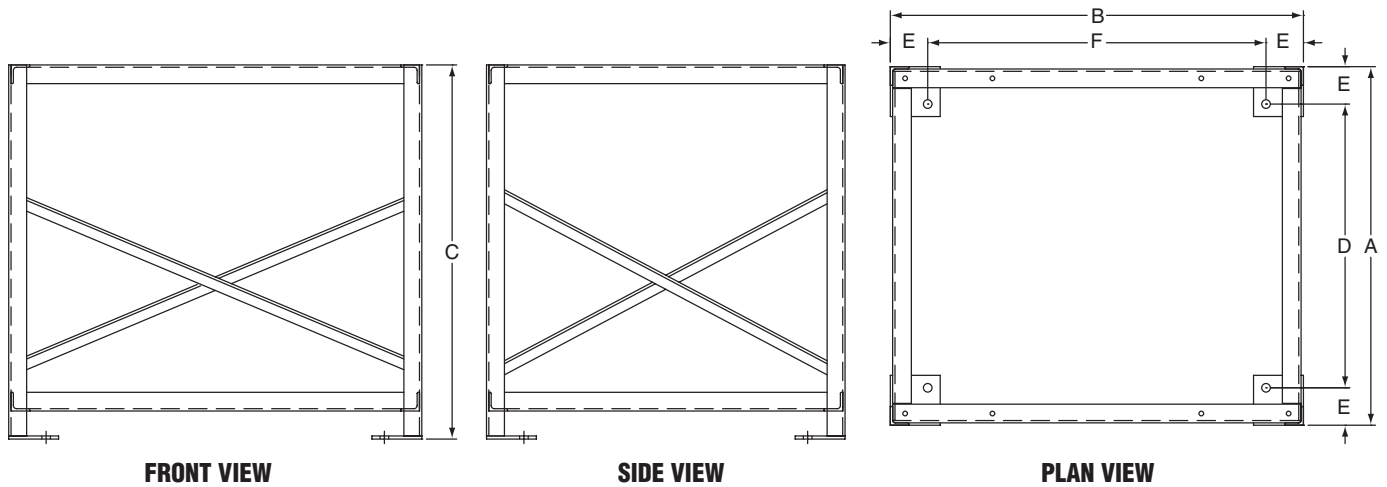
PLAN VIEW

Leg Height		Weight (each leg)	
		lbs	kg
24.0	(in)	26.3	11.9
61.0	(cm)		
36.0	(in)	35.0	15.9
91.4	(cm)		
48.0	(in)	43.8	19.9
121.9	(cm)		
60.0	(in)	53.8	24.4
152.4	(cm)		
72.0	(in)	62.5	28.4
182.9	(cm)		
84.0	(in)	71.3	32.4
213.4	(cm)		
96.0	(in)	81.3	36.9
243.8	(cm)		

IMPORTANT NOTES:

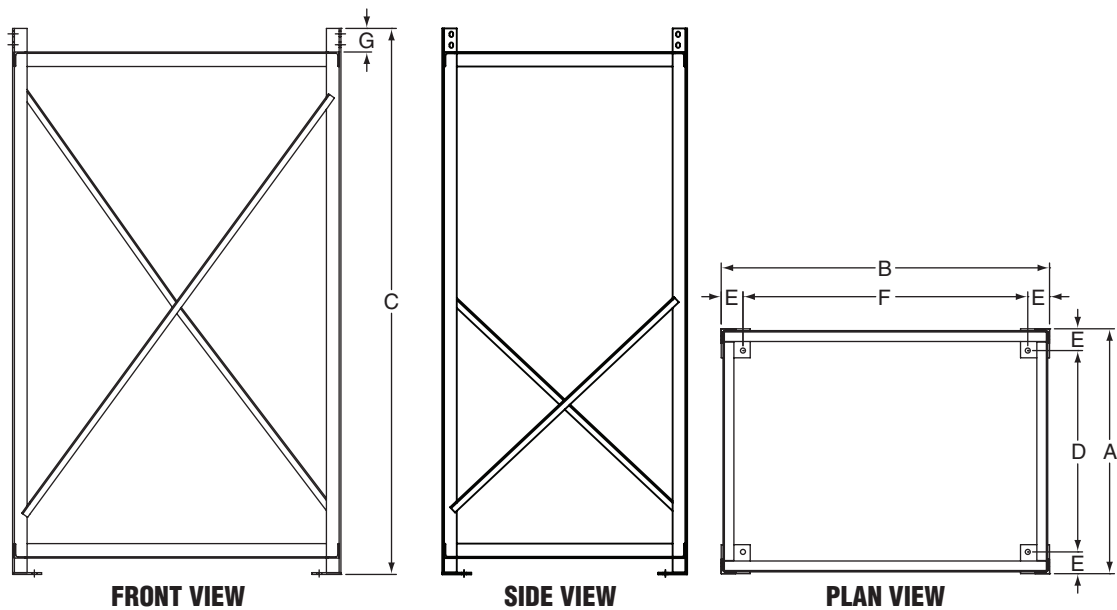
- 2005 control enclosure is located on left side of air handler when looking downstream into inlet end.
- 24" (61 cm) and 36" (91.4 cm) leg heights are not available for upright units.
- 48" (121.9 cm) minimum leg height without filter section for 2040.
- 60" (152.4 cm) minimum leg height without filter section for 2050.
- 72" (182.9 cm) minimum leg height with a filter section for 2040.
- 96" (243.8 cm) minimum leg height with a filter section for 2050.

2005 30" STAND



Model		A	B	C	D	E	F	Weight	
								lbs	kg
2005	(in)	28.8	33.1	30.0	22.8	3.0	27.1	75.0	34.0
	(cm)	73.0	84.1	76.2	57.8	7.6	68.9		

2010 - 2030 53"/72" STAND

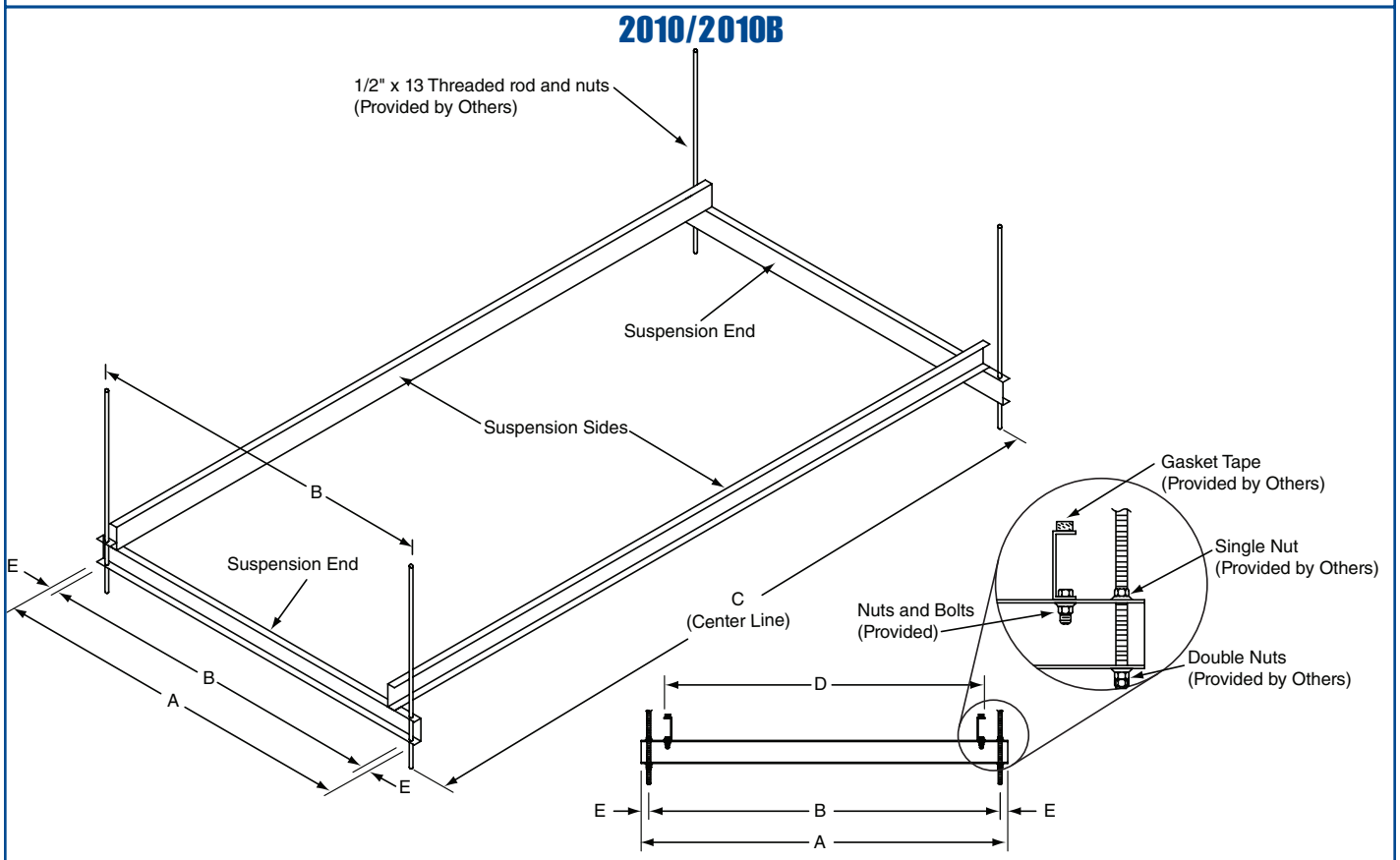
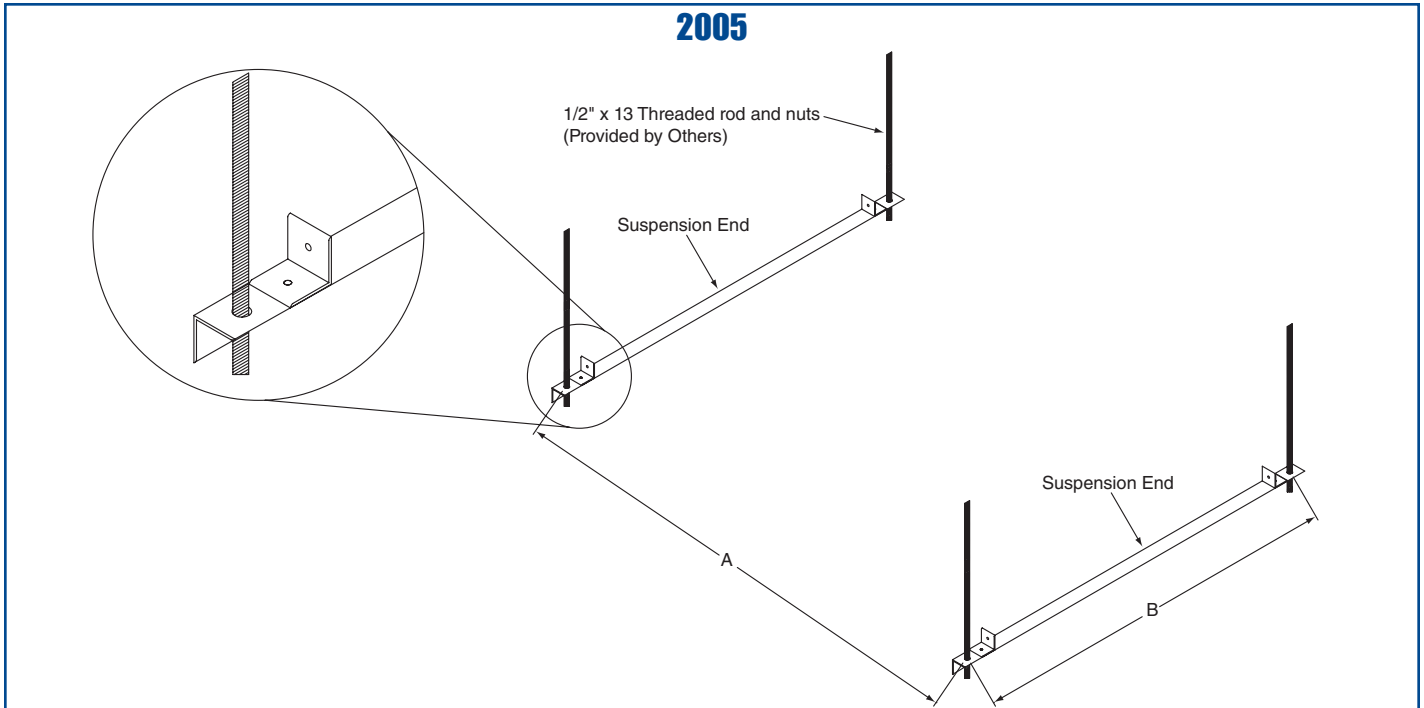


Model		A	B	C	D	E	F	G	Weight	
									lbs	kg
2010/2010B (53")	(in)	33.8	45.3	56.3	27.8	3.0	39.3	3.3	160.0	72.6
	(cm)	85.7	114.9	142.9	70.5	7.6	99.7	8.3		
2010/2010B (72")	(in)	33.8	45.3	75.3	27.8	3.0	32.5	3.3	190.0	86.2
	(cm)	85.7	114.9	191.1	70.5	7.6	82.6	8.3		
2020	(in)	57.5	57.5	75.3	51.1	3.0	51.5	3.3	230.0	104.3
	(cm)	146.1	146.1	191.1	129.8	7.6	130.8	8.3		
2030	(in)	69.5	61.8	75.3	63.5	3.0	55.8	3.3	300.0	136.1
	(cm)	176.5	156.8	191.1	161.3	7.6	141.6	8.3		

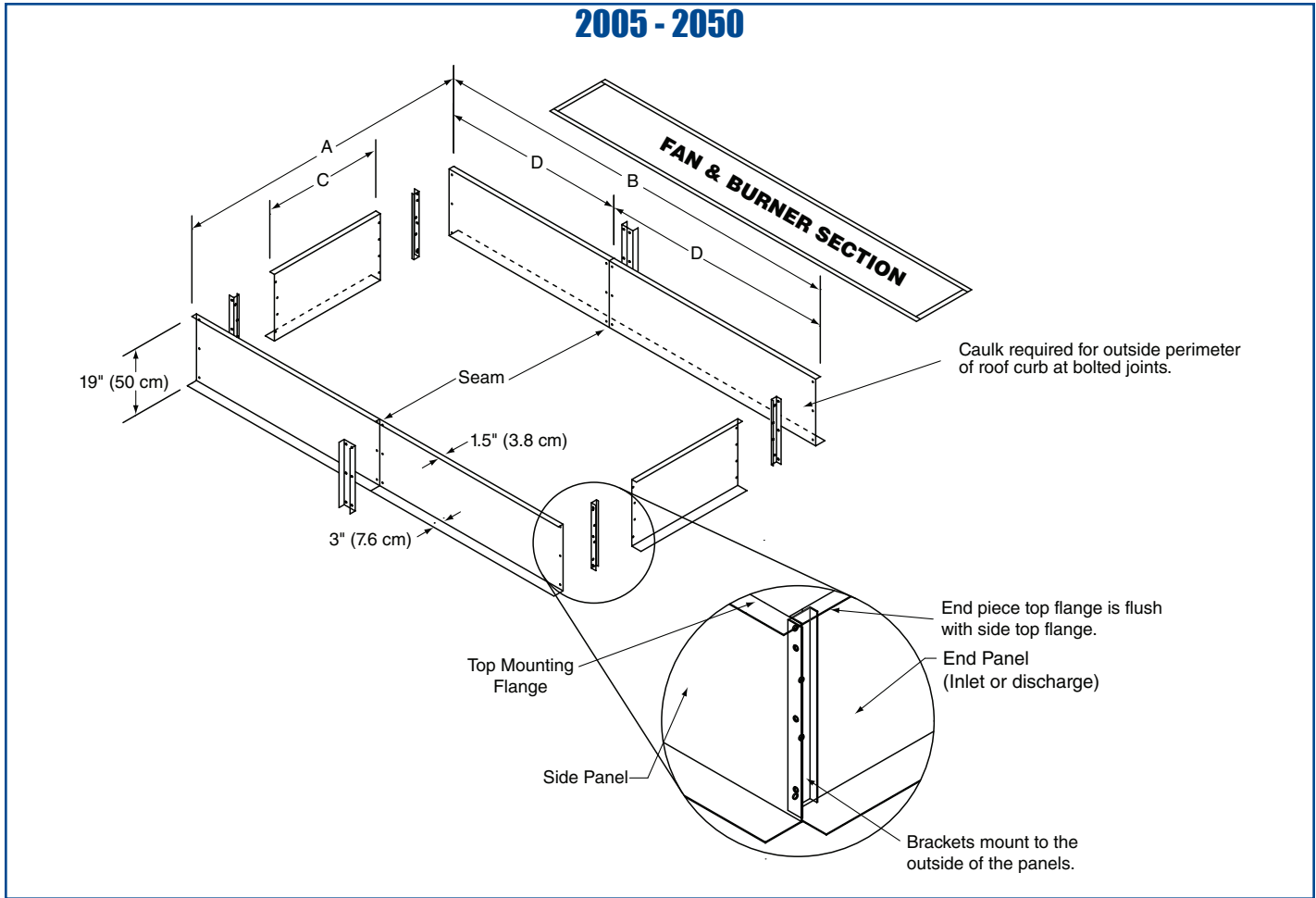
IMPORTANT NOTES:

- 1/4" angle iron construction.

Suspension Kit Dimensions



Model		A	B	C	D	E	Weight	
							lbs	kg
2005	(in)	59.3	36.5	N/A	N/A	N/A	13.0	5.9
	(cm)	73.0	84.1					
2010/2010B	(in)	48.0	46.0	90.0	42.0	1.0	140.0	63.5
	(cm)	121.9	116.8					



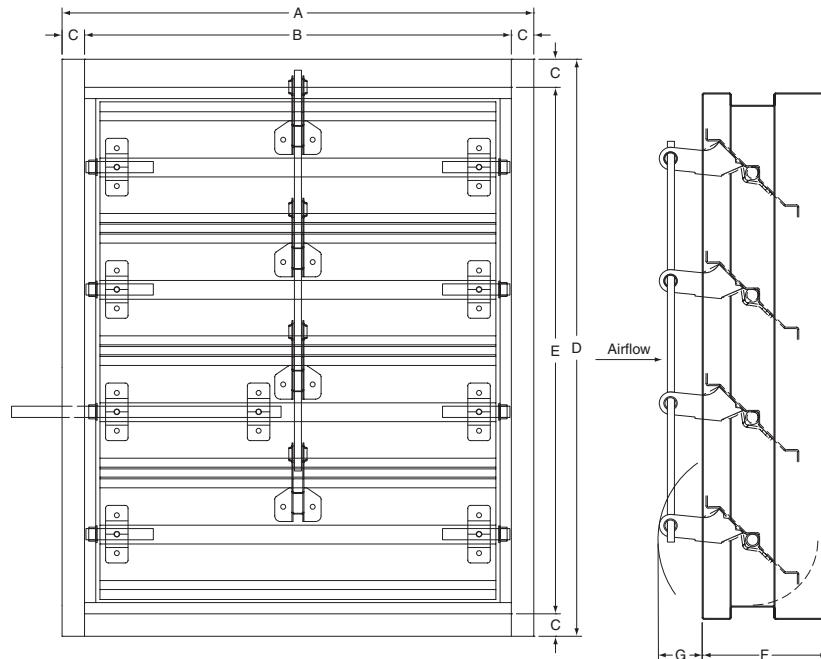
Model		A	B	C	D	Weight	
						lbs	kg
2005	(in) (cm)	27.0 68.6	57.5 146.1	28.8 73.2	N/A	75.0	34.0
2010/2010B	(in) (cm)	42.0 106.7	88.0 223.5	38.8 98.6	N/A	110.0	49.9
2020	(in) (cm)	53.0 134.6	113.0 287.0	49.8 126.5	56.5 143.5	150.0	68.0
2030	(in) (cm)	65.0 165.1	113.0 287.0	61.8 157.0	56.5 143.5	160.0	72.6
2040/2050	(in) (cm)	98.0 248.9	157.7 400.7	94.8 240.8	78.8 200.3	267.0	121.1

IMPORTANT NOTES:

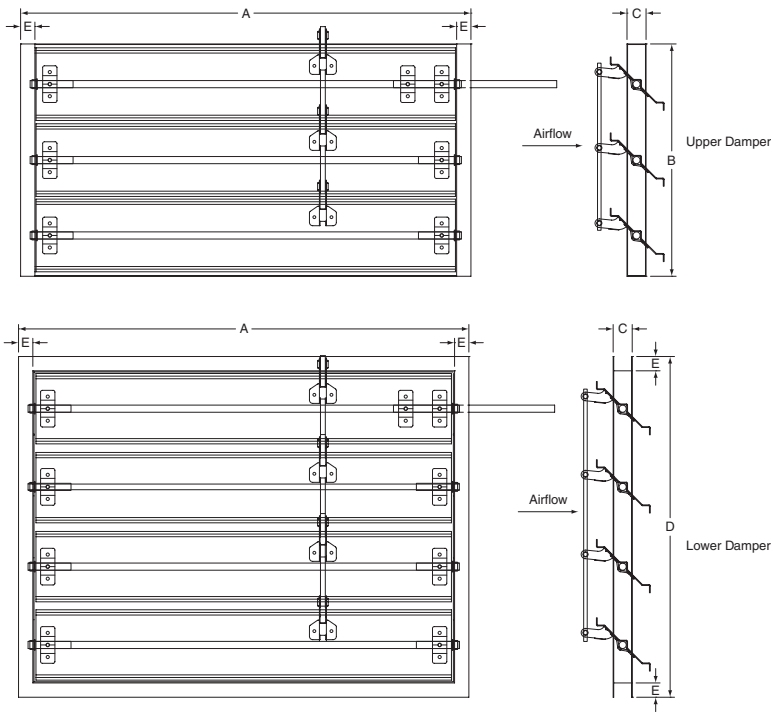
- Curb is shipped unassembled.
- All dimensions are from the outside.
- Curb material is 16 gauge galvanized steel for 2005 - 2030 and 14 gauge galvanized steel for 2040 and 2050.
- Nuts and bolts (3/8" x 1") are furnished.
- Caulk all joints before assembling. (Caulk provided by others).
- 2020 - 2050 have seam in roof curb.
- When measuring dimensions A and B, include top mounting flange width on both sides.

Inlet Damper Dimensions

2005 - 2010B



2020/2030

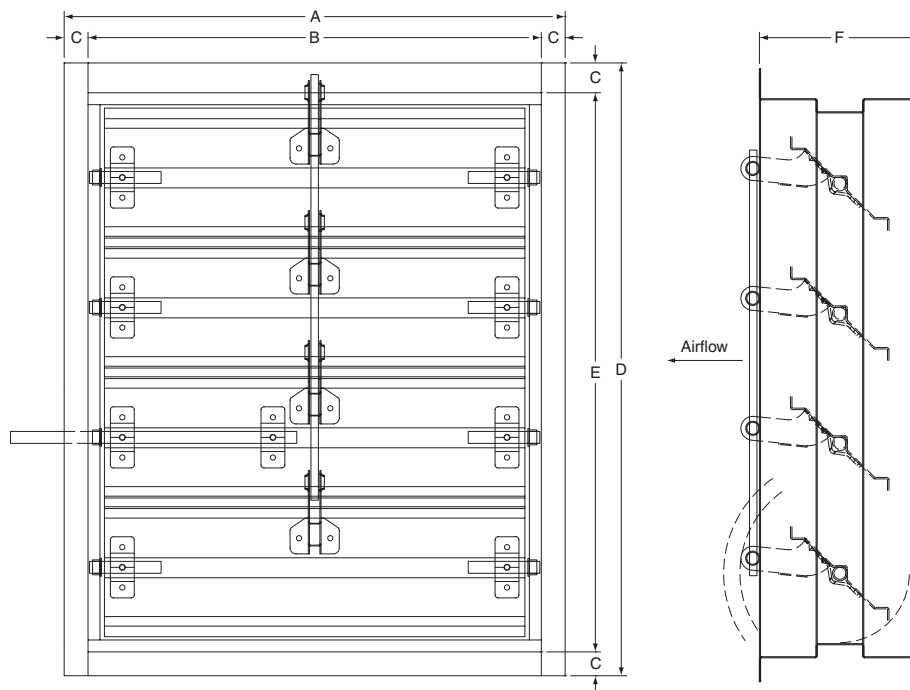


Model	Damper	Weight*	
		lbs	kg
2020	UPPER	34.0	15.4
	LOWER	41.0	18.6
2030	UPPER	46.0	20.9
	LOWER	61.0	27.7
2040/ 2050	UPPER	92.0	41.7
	LOWER	92.0	41.7

Model		A	B	C	D	E	F	G	Weight	
									lbs	kg
2005	(in)	21.0	19.0	1.3	25.7	23.4	5.0	3.3	40.0	18.1
	(cm)	53.3	48.3	3.3	65.2	59.5	12.7	8.3		
2010/ 2010B	(in)	33.3	30.8	1.3	29.0	26.3	5.0	3.3	60.0	27.2
	(cm)	84.5	78.1	3.2	73.7	66.7	12.7	8.3		
2020	(in)	47.3	24.4	2.0	29.5	1.5	N/A	N/A	*	*
	(cm)	120.0	63.0	5.1	74.9	3.8				
2030	(in)	59.3	24.4	2.0	33.5	1.5	N/A	N/A	*	*
	(cm)	150.6	63.0	5.1	85.1	3.8				

*Refer to chart above for 2020 and 2030 weights.

2005 - 2030

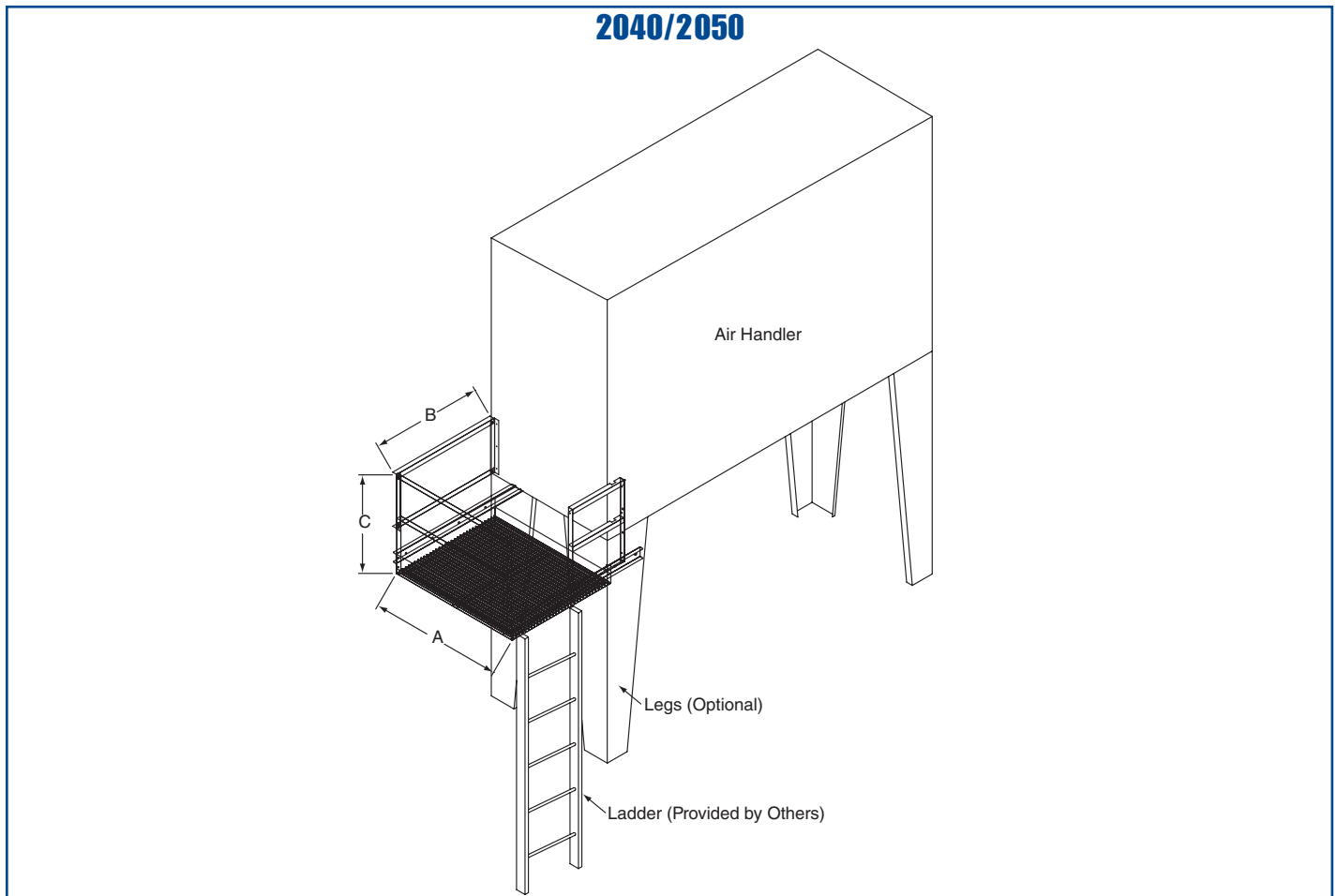


Model		A	B	C	D	E	F	Weight	
								lbs	kg
2005	(in) (cm)	21.0 53.3	19.0 48.3	1.0 2.5	19.0 48.3	17.0 43.2	9.0 22.9	40.0	18.1
2010/ 2010B	(in) (cm)	27.0 68.6	25.0 63.5	1.0 2.5	23.5 59.7	21.5 54.6	8.0 20.3	60.0	27.2
2020	(in) (cm)	37.0 94.0	34.0 86.4	1.5 3.8	36.0 42.0	33.0 83.8	10.0 25.4	100.0	45.4
2030	(in) (cm)	42.0 106.7	39.0 99.1	1.5 3.8	42.0 106.7	39.0 99.1	10.0 25.4	150.0	68.0

IMPORTANT NOTES:

- Number of louvers will vary by model.
- Inlet dampers are mounted upstream of air handler, directly to air handler.
- Inlet dampers also available to ship loose.
- Inlet dampers for MUA style use both upper and lower dampers for 2020 and 2030.
- Inlet dampers for FR, AM and VAV styles only use upper damper for 2020 and 2030.
- Discharge dampers do not mount directly to air handler; they mount downstream of air handler in ductwork.

Service Platform Dimensions



Model		A	B	C	Weight	
					lbs	kg
2040/2050	(in) (cm)	57.0 144.8	49.0 124.5	43.0 109.2	325.0	147.0

Installation Code and Annual Inspections:

All installation and service of RAPID® equipment must be performed by a contractor qualified in the installation and service of equipment sold and supplied by Rapid Engineering LLC and conform to all requirements set forth in the Rapid Engineering LLC manuals and all applicable governmental authorities pertaining to the installation, service, operation and labeling of the equipment. To help facilitate optimum performance and safety, Rapid Engineering LLC recommends that a qualified contractor conduct, at a minimum, annual inspections of your RAPID® equipment and perform service where necessary, using only replacement parts sold and supplied by Rapid Engineering LLC.

Further Information: Applications, engineering and detailed guidance on systems design, installation and equipment performance is available through RAPID® representatives. Please contact us for any further information you may require, including the Installation, Operation and Service Manual.

This product is not for residential use.

This document is intended to assist licensed professionals in the exercise of their professional judgment.

Rapid Engineering LLC

1100 Seven Mile Road NW
Comstock Park, MI 49321
Telephone: +1 616.784.0500
Toll Free: 800.536.3461
Fax: +1 616.784.1910

www.rapidengineering.com

© 2014 Rapid Engineering LLC All rights reserved. No part of this work covered by the copyrights herein may be reproduced or copied in any form or by any means – graphic, electronic, or mechanical, including photocopying, recording, taping, or information storage and retrieval systems – without written permission of Rapid Engineering LLC.