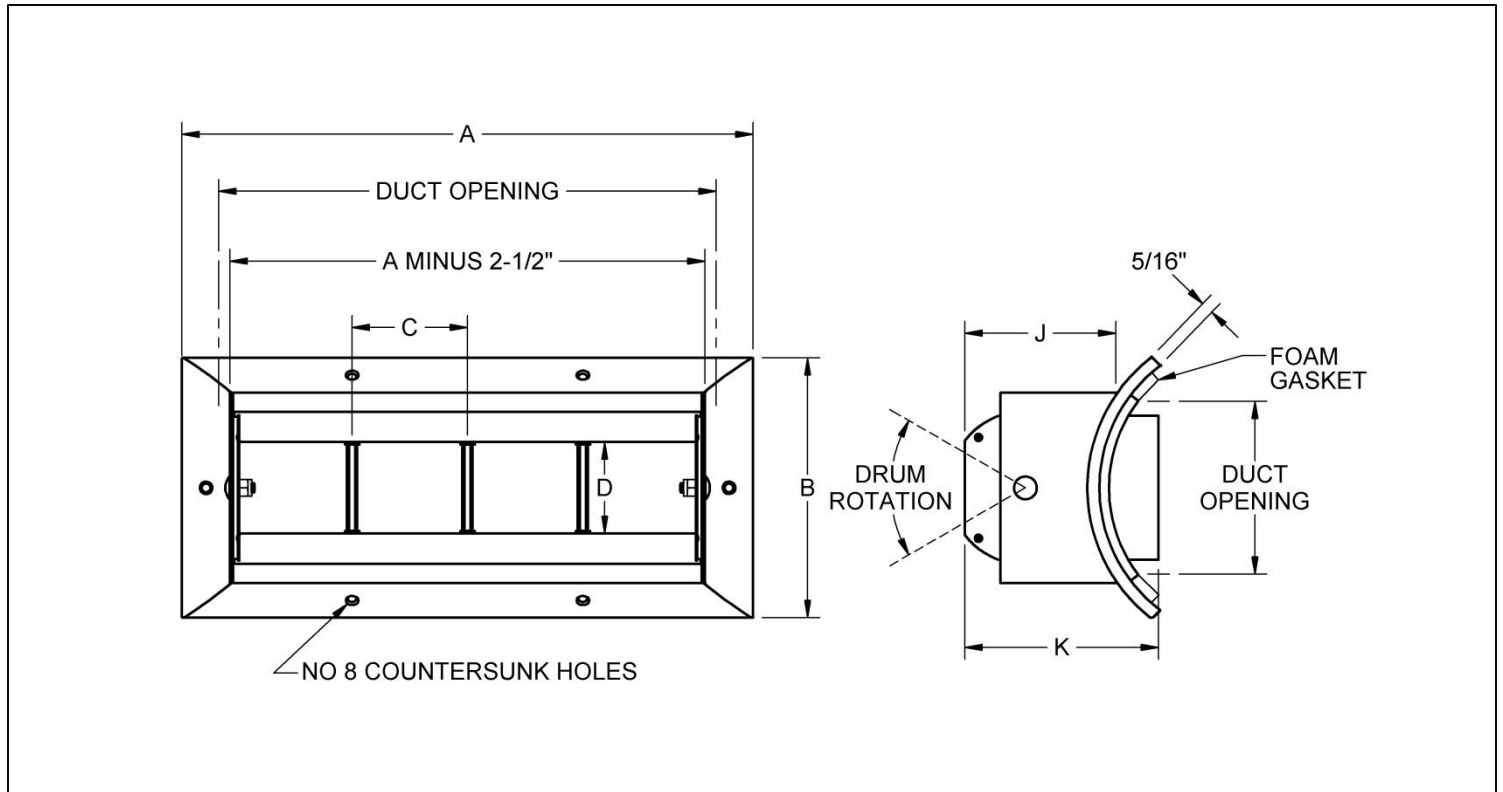
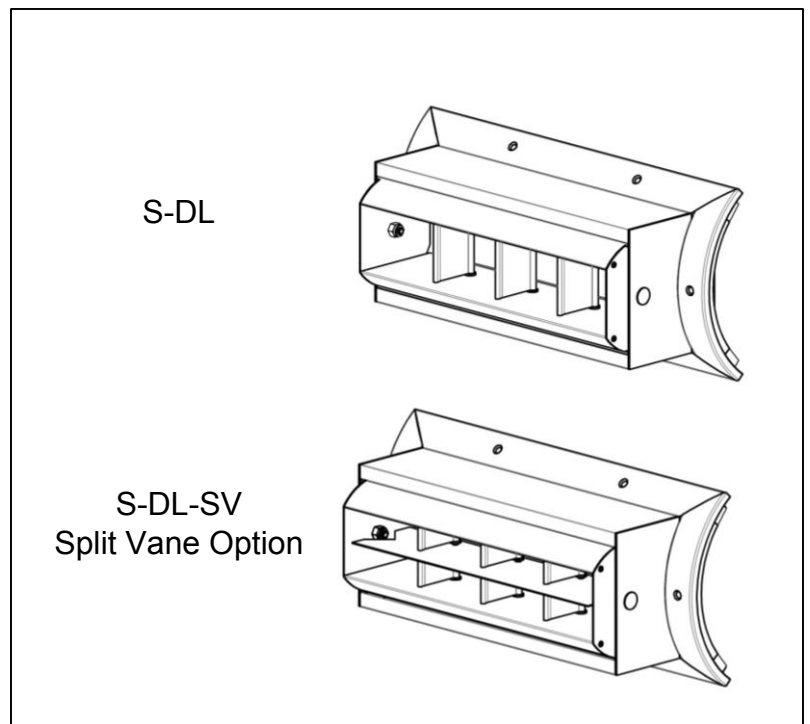


- S-DL • Drum Louver • Aluminum
  - S-DL-SV • Drum Louver • Split Vane • Aluminum
- Curved Frame for Round/Spiral Duct Mounting



See sheet 2 for dimension table, sheet 3 for options

- Designed to handle large air capacity requirements and long throws.
- Installs directly on spiral ducts without the use of duct taps.
- Well suited for installations where the conditioned space is large, and where it is impractical to bring the duct work close to the occupants. Examples being shopping malls, coliseums, field houses, air terminals, factories and warehouses.
- Adjustable horizontal and vertical throw direction via a rotatable drum and pivoting blades.
- Felt seal between the drum and border to stop leakage and hold the drum securely in the position selected.
- Standard foam gasket seals frame against duct.
- Optional air extractor or heavy-duty damper with a screwdriver operator accessible through the face.
- Extruded aluminum/aluminum construction.
- Two blade spacing options.
- Optional split-vane option allows bi-directional horizontal throw.



LISTED SIZE (L X H)	B (MAX)	A	C <sub>1</sub>	C <sub>2</sub>	D	J	K	L (MAX)	MINIMUM DUCT DIA.	BLADE QTY <sub>1</sub>	BLADE QTY <sub>2</sub>	MOUNTING HOLE QTY	DUCT OPENING
12 X 4	6 1/2	14 7/8	3	2	2 3/8	3 15/16	5 1/32	3 3/8	8	3	6	6	12 1/2 X 4 1/2
18 X 4	6 1/2	20 7/8	3	2	2 3/8	3 15/16	5 1/32	3 3/8	8	5	9	8	18 1/2 X 4 1/2
24 X 4	6 1/2	26 7/8	3	2	2 3/8	3 15/16	5 1/32	3 3/8	8	7	12	10	24 1/2 X 4 1/2
30 X 4	6 1/2	32 7/8	3	2	2 3/8	3 15/16	5 1/32	3 3/8	8	9	15	12	30 1/2 X 4 1/2
36 X 4	6 1/2	38 7/8	3	2	2 3/8	3 15/16	5 1/32	3 3/8	8	11	18	14	36 1/2 X 4 1/2
42 X 4	6 1/2	44 7/8	3	2	2 3/8	3 15/16	5 1/32	3 3/8	8	13	21	16	42 1/2 X 4 1/2
48 X 4	6 1/2	50 7/8	3	2	2 3/8	3 15/16	5 1/32	3 3/8	8	15	24	18	48 1/2 X 4 1/2
60 X 4	6 1/2	62 7/8	3	2	2 3/8	3 15/16	5 1/32	3 3/8	8	19	30	20	60 1/2 X 4 1/2
12 X 6	8 1/2	14 7/8	3	2	3 3/8	4 5/32	5 9/32	4 1/32	10	3	6	6	12 1/2 X 6 1/2
18 X 6	8 1/2	20 7/8	3	2	3 3/8	4 5/32	5 9/32	4 1/32	10	5	9	8	18 1/2 X 6 1/2
24 X 6	8 1/2	26 7/8	3	2	3 3/8	4 5/32	5 9/32	4 1/32	10	7	12	10	24 1/2 X 6 1/2
30 X 6	8 1/2	32 7/8	3	2	3 3/8	4 5/32	5 9/32	4 1/32	10	9	15	12	30 1/2 X 6 1/2
36 X 6	8 1/2	38 7/8	3	2	3 3/8	4 5/32	5 9/32	4 1/32	10	11	18	14	36 1/2 X 6 1/2
42 X 6	8 1/2	44 7/8	3	2	3 3/8	4 5/32	5 9/32	4 1/32	10	13	21	16	42 1/2 X 6 1/2
48 X 6	8 1/2	50 7/8	3	2	3 3/8	4 5/32	5 9/32	4 1/32	10	15	24	18	48 1/2 X 6 1/2
60 X 6	8 1/2	62 7/8	3	2	3 3/8	4 5/32	5 9/32	4 1/32	10	19	30	20	60 1/2 X 6 1/2
12 X 8	10 1/2	14 7/8	3	2	4 3/8	5 5/8	6 3/4	5 11/32	14	3	6	6	12 1/2 X 8 1/2
18 X 8	10 1/2	20 7/8	3	2	4 3/8	5 5/8	6 3/4	5 11/32	14	5	9	8	18 1/2 X 8 1/2
24 X 8	10 1/2	26 7/8	3	2	4 3/8	5 5/8	6 3/4	5 11/32	14	7	12	10	24 1/2 X 8 1/2
30 X 8	10 1/2	32 7/8	3	2	4 3/8	5 5/8	6 3/4	5 11/32	14	9	15	12	30 1/2 X 8 1/2
36 X 8	10 1/2	38 7/8	3	2	4 3/8	5 5/8	6 3/4	5 11/32	14	11	18	14	36 1/2 X 8 1/2
42 X 8	10 1/2	44 7/8	3	2	4 3/8	5 5/8	6 3/4	5 11/32	14	13	21	16	42 1/2 X 8 1/2
48 X 8	10 1/2	50 7/8	3	2	4 3/8	5 5/8	6 3/4	5 11/32	14	15	24	18	48 1/2 X 8 1/2
60 X 8	10 1/2	62 7/8	3	2	4 3/8	5 5/8	6 3/4	5 11/32	14	19	30	20	60 1/2 X 8 1/2
12 X 10	12 1/2	14 7/8	5	2	5 7/8	7 1/8	8 7/32	6 21/32	14	2	6	6	12 1/2 X 10 1/2
18 X 10	12 1/2	20 7/8	5	2	5 7/8	7 1/8	8 7/32	6 21/32	14	3	9	8	18 1/2 X 10 1/2
24 X 10	12 1/2	26 7/8	5	2	5 7/8	7 1/8	8 7/32	6 21/32	14	4	12	10	24 1/2 X 10 1/2
30 X 10	12 1/2	32 7/8	5	2	5 7/8	7 1/8	8 7/32	6 21/32	14	5	15	12	30 1/2 X 10 1/2
36 X 10	12 1/2	38 7/8	5	2	5 7/8	7 1/8	8 7/32	6 21/32	14	6	18	14	36 1/2 X 10 1/2
42 X 10	12 1/2	44 7/8	5	2	5 7/8	7 1/8	8 7/32	6 21/32	14	8	21	16	42 1/2 X 10 1/2
48 X 10	12 1/2	50 7/8	5	2	5 7/8	7 1/8	8 7/32	6 21/32	14	9	24	18	48 1/2 X 10 1/2
60 X 10	12 1/2	62 7/8	5	2	5 7/8	7 1/8	8 7/32	6 21/32	14	11	30	20	60 1/2 X 10 1/2
12 X 12	14 1/2	14 7/8	5	2	6 7/8	7 13/16	8 29/32	7 31/32	18	2	6	6	12 1/2 X 12 1/2
18 X 12	14 1/2	20 7/8	5	2	6 7/8	7 13/16	8 29/32	7 31/32	18	3	9	8	18 1/2 X 12 1/2
24 X 12	14 1/2	26 7/8	5	2	6 7/8	7 13/16	8 29/32	7 31/32	18	4	12	10	24 1/2 X 12 1/2
30 X 12	14 1/2	32 7/8	5	2	6 7/8	7 13/16	8 29/32	7 31/32	18	5	15	12	30 1/2 X 12 1/2
36 X 12	14 1/2	38 7/8	5	2	6 7/8	7 13/16	8 29/32	7 31/32	18	6	18	14	36 1/2 X 12 1/2
42 X 12	14 1/2	44 7/8	5	2	6 7/8	7 13/16	8 29/32	7 31/32	18	8	21	16	42 1/2 X 12 1/2
48 X 12	14 1/2	50 7/8	5	2	6 7/8	7 13/16	8 29/32	7 31/32	18	9	24	18	48 1/2 X 12 1/2
60 X 12	14 1/2	62 7/8	5	2	6 7/8	7 13/16	8 29/32	7 31/32	18	11	30	20	60 1/2 X 12 1/2
12 X 15	17 1/2	14 7/8	5	2	9 13/16	8 13/32	9 1/2	10 11/16	28	2	6	6	12 1/2 X 15 1/2
18 X 15	17 1/2	20 7/8	5	2	9 13/16	8 13/32	9 1/2	10 11/16	28	3	9	8	18 1/2 X 15 1/2
24 X 15	17 1/2	26 7/8	5	2	9 13/16	8 13/32	9 1/2	10 11/16	28	4	12	10	24 1/2 X 15 1/2
30 X 15	17 1/2	32 7/8	5	2	9 13/16	8 13/32	9 1/2	10 11/16	28	5	15	12	30 1/2 X 15 1/2
36 X 15	17 1/2	38 7/8	5	2	9 13/16	8 13/32	9 1/2	10 11/16	28	6	18	14	36 1/2 X 15 1/2
42 X 15	17 1/2	44 7/8	5	2	9 13/16	8 13/32	9 1/2	10 11/16	28	8	21	16	42 1/2 X 15 1/2
48 X 15	17 1/2	50 7/8	5	2	9 13/16	8 13/32	9 1/2	10 11/16	28	9	24	18	48 1/2 X 15 1/2
60 X 15	17 1/2	62 7/8	5	2	9 13/16	8 13/32	9 1/2	10 11/16	28	11	30	20	60 1/2 X 15 1/2

Notes:

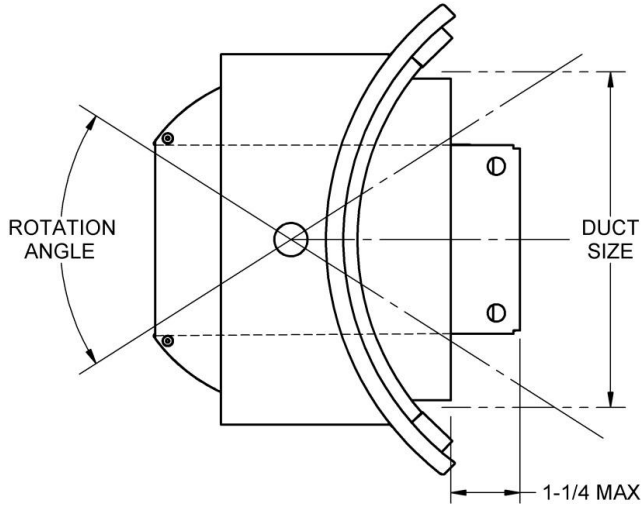
- Minimum duct diameters for each unit height are listed.
  - Diameters may be specified in 2" increments to a maximum duct diameter of 36.
- Unit may be selected with C1 or C2 blade spacing



Note: This submittal is meant to demonstrate general dimensions of this product. The drawings on this submittal are not meant to detail every aspect of the product with exactness. Drawings are not to scale. TITUS reserves the right to make changes without written notice.

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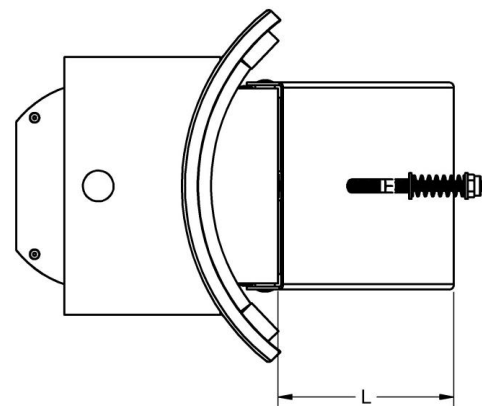
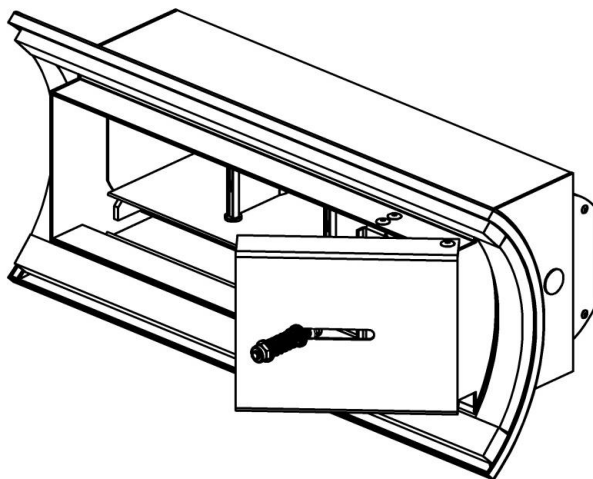
Model AG-15-HD Opposed Blade Damper



Duct Size D	With Damper	Without Damper
4	N/A	30
6	19	27
8	18	26
10	27	27
12	26	26
15	27	27

Notes:  
Opposed blade damper is not available on duct height 4

Model ASD Air Scoop Volume Extractor



See sheet 2 for dimension table

Standard Finish: #26 White  
Optional Finish: #01 Aluminum or #84 Black

Notes:  
• Volume Extractor and Opposed Blade Damper are mutually exclusive options and cannot be ordered together on the same unit



Note: This submittal is meant to demonstrate general dimensions of this product. The drawings on this submittal are not meant to detail every aspect of the product with exactness. Drawings are not to scale. TITUS reserves the right to make changes without written notice.  
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