

6375DBID

Gravity Intake Combination Louver Damper

Extruded Aluminum

RELIABLE

APPLICATION

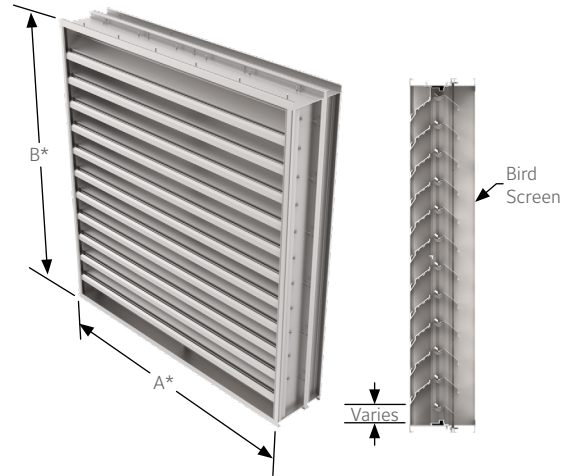
The 6375DBID is an 9" deep extruded aluminum, gravity intake combination louver. It includes a fixed front stationary blade and a rear adjustable blade that can be operated closed. This is beneficial when the occupant requires a tight air shut off for protection of air intake and exhaust openings in building exterior walls. The louver is designed with a drainable gutter system channeling water from the blades to downspouts in the jams, where water is exhausted out of the front of the louver.

STANDARD CONSTRUCTION

Frame	9" (224) deep, 6063T6 extruded aluminum with .081" (2.1) nominal wall thickness. Caulking surfaces provided.
Blades	Louver blades: 6063T6 extruded aluminum, .081" (2.1) nominal wall thickness. Drainable blades are positioned at 37 1/2° angle. Blade spacing is approximately 4" (102) center to center. Backdraft damper blades: .025" (.64) formed aluminum.
Screen	5/8" x .040" (16 x 1) expanded, flattened aluminum bird screen in removable frame. Screen adds approximately 1/2" (13) to louver depth.
Seals	Extruded vinyl blade edge seals on rear adjustable blades to provide quiet operation.
Finish	Mill.
Approximate Shipping Weight	8 lbs. per sq. ft. (39 kg/m²).
Minimum Size	12"w x 12"h (305 x 305).
Maximum Size	Maximum section size is 60"w x 96"h (1524 x 2438). Louvers larger than the maximum single section size will be shipped in multiple sections to be assembled in the field (field assembly not by Reliable). Louver assemblies consisting of multiple sections in width and height will require additional structural support provided by other.

FEATURES

- Drainable blade stationary louver and backdraft damper combined in a common frame system
- Approximately 40% free area with backdraft damper blades full open, based on a 48" x 48" (1219 x 1219) size
- All aluminum construction for low maintenance and high resistance to corrosion



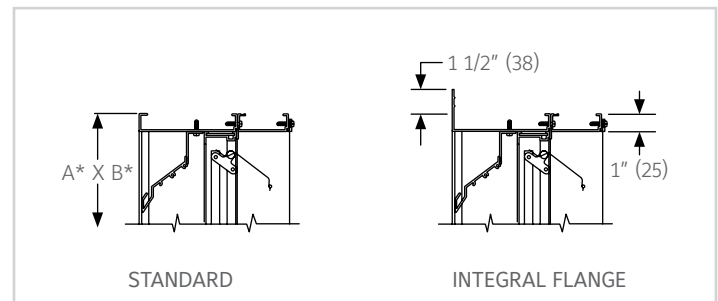
VARIATIONS

Variations to the basic design of this louver are available at additional cost. They include:

- Extended sill
- Front or rear security bars
- Filter racks
- Installation angles
- Blade edge seals
- A variety of bird and insect screens
- Optional finishes available at additional cost: Prime coat, 50% PVDF (modified fluoropolymer), Epoxy, Pearledize, 70% PVDF, Clear and Anodized finishes. (Some variation in anodize color consistency is possible)

Consult Reliable Products for other special requirements.

FRAME CONSTRUCTION



Note:

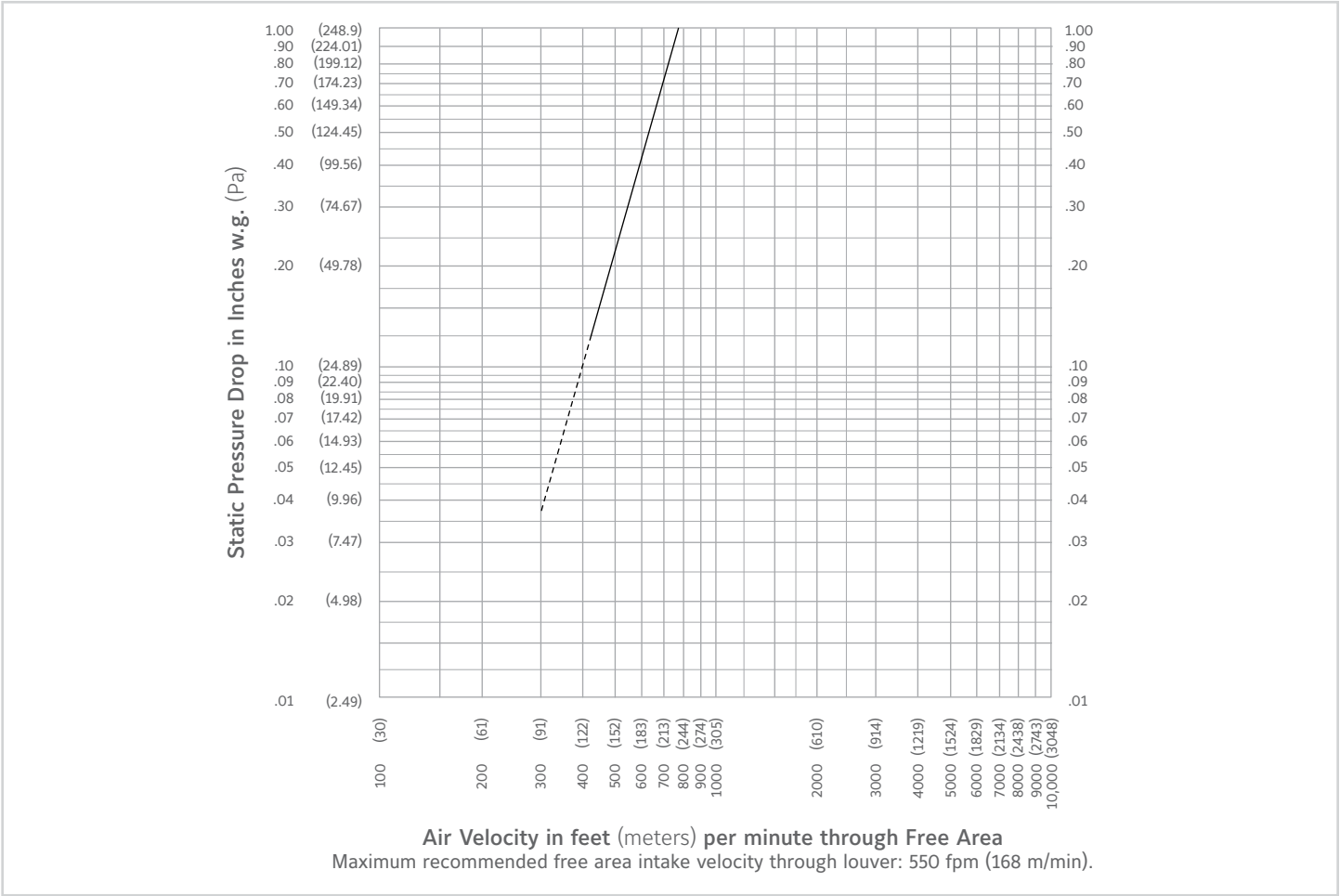
- Dimensions in inches, parenthesis () indicate millimeters.
- Units can be furnished actual size or with size deducts.

FREE AREA GUIDE

Free Area Guide shows free area in ft² and m² for various sizes of 6375DBID.

	Width – Inches and Meters							
		12 0.30	18 0.46	24 0.61	30 0.76	36 0.91	42 1.07	48 1.22
Height – Inches and Meters	12 0.30	0.29 0.03	0.47 0.04	0.65 0.06	0.82 0.08	1.00 0.09	1.17 0.11	1.35 0.13
	18 0.46	0.52 0.05	0.83 0.08	1.14 0.11	1.45 0.13	1.76 0.16	2.07 0.19	2.38 0.22
	24 0.61	0.62 0.06	0.98 0.09	1.35 0.13	1.72 0.16	2.09 0.19	2.46 0.23	2.83 0.26
	30 0.76	0.84 0.08	1.34 0.12	1.85 0.17	2.35 0.22	2.85 0.27	3.36 0.31	3.86 0.36
	36 0.91	1.06 0.10	1.70 0.16	2.34 0.22	2.98 0.28	3.62 0.34	4.26 0.40	4.89 0.46
	42 1.07	1.29 0.12	2.06 0.19	2.83 0.26	3.61 0.34	4.38 0.41	5.15 0.48	5.93 0.55
	48 1.22	1.39 0.13	2.22 0.21	3.05 0.28	3.88 0.36	4.71 0.44	5.54 0.52	6.37 0.59
	54 1.37	1.61 0.15	2.58 0.24	3.54 0.33	4.51 0.42	5.47 0.51	6.44 0.60	7.41 0.69
	60 1.52	1.83 0.17	2.93 0.27	4.04 0.38	5.14 0.48	6.24 0.58	7.34 0.68	8.44 0.78
	66 1.68	2.06 0.19	3.29 0.31	4.53 0.42	5.76 0.54	7.00 0.65	8.23 0.77	9.47 0.88
	72 1.83	2.16 0.20	3.45 0.32	4.74 0.44	6.04 0.56	7.33 0.68	8.62 0.80	9.92 0.92
	78 1.98	2.38 0.22	3.81 0.35	5.24 0.49	6.66 0.62	8.09 0.75	9.52 0.89	10.95 1.02
	84 2.13	2.60 0.24	4.17 0.39	5.73 0.53	7.29 0.66	8.86 0.82	10.42 0.97	11.98 1.11
	90 2.29	2.83 0.26	4.53 0.42	6.22 0.58	7.92 0.74	9.62 0.89	11.32 1.05	13.01 1.21
	96 2.44	2.93 0.27	4.68 0.44	6.44 0.60	8.19 0.76	9.95 0.93	11.71 1.09	13.46 1.25

PRESSURE DROP



SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be automatic intake dual combination louver damper. Stationary blades with extruded vinyl seals and automatic backdraft blades shall be entirely contained within a 9" (229) frame. Louver components (heads, jambs, sills, blades & mullions) shall be factory assembled by the louver manufacturer. Louver sizes too large for shipping shall be built up by the contractor from factory assembled louver sections to provide overall sizes required. Louver shall limit single section blade span to 60" (1524) and shall be designed to withstand a wind load of 30 lbs. per sq. ft. (1.44kPa) Additional structural supports provided by others may be required.

Louvers shall be Reliable Model 6375DBID construction as follows:

- Frame: .081" (2.1) extruded aluminum.
- Blades: Stationary blades: .081" (2.1) wall thickness. Gravity backdraft blades: .025" (.064) formed aluminum.
- Screen: 5/8" x .040" (16 x 1) expanded, flattened aluminum bird screen in removable frame.
- Finish: Select finish specification from Reliable Finishes Brochure.

LINKS TO IMPORTANT DOCUMENTS

Document Title
Finishes and Color Guide
Limited Warranty Document



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