

ELBD813

Automatic Exhaust Dual Combination Louver Damper Extruded Aluminum



APPLICATION

The ELBD813 is a 4", automatic exhaust dual combination louver damper. The combination of a non-drainable blade louver and exhaust backdraft damper allows for high free area and performance.

STANDARD CONSTRUCTION

Frame	4" (102) deep frame, 6063T6 extruded aluminum with .081" (2.1) nominal wall thickness. Caulking surfaces provided.
Blades	Louver blades: 6063T6 extruded aluminum, .094" (2.4) nominal wall thickness. J-style blades (formerly "weatherproof") are positioned at 45° angle. Blade spacing is approximately 5" (127) center to center. Backdraft damper blades: .050" (1.3) extruded 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.
Finish	Mill.
Minimum Size	12" w x 12" h (305 x 305).
Approximate Shipping Weight	6 lbs. per sq. ft. (29.3 kg/m ²).
Maximum Factory Assembly Size	Shall be 48" w x 120" h, 32 sq. ft. (1219 x 3048, 3m ²). Louvers larger than the maximum factory assembly size will require field assembly of smaller sections.

FEATURES

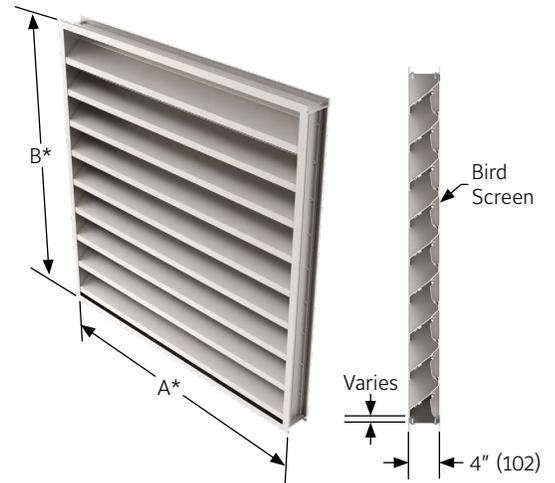
- ▶ All aluminum construction for low maintenance and high resistance to corrosion
- ▶ Approximately 40% free area with backdraft damper blades full open, based on a 48" x 48" (1219 x 1219) size
- ▶ Operable blades start to open at .01" w.g. static pressure and are fully open at .25" w.g. static pressure

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
- ▶ Blade edge seals
- ▶ Installation angles
- ▶ A variety of bird and insect screens
- ▶ Selection of finishes: Prime coat, 50% PDVF (modified fluoropolymer), Epoxy, Pearledize 50 and 70, 70% PVDF, Clear and Color Anodized finishes. (Some variation in anodize color consistency is possible)

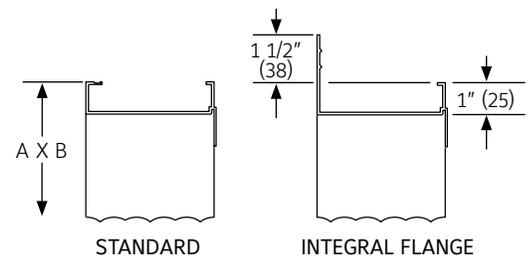
Consult Ruskin for other special requirements.



YEAR LIMITED WARRANTY

ISO9001 CERTIFIED

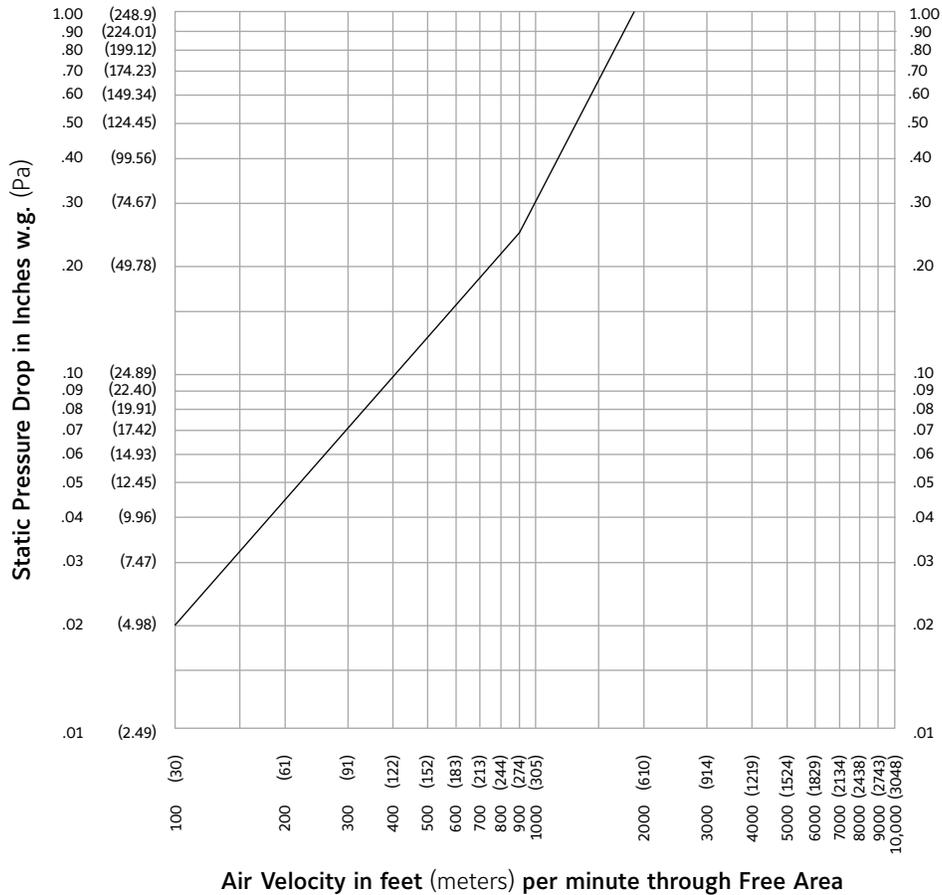
FRAME CONSTRUCTION



NOTE:

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

PRESSURE DROP



SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be automatic exhaust dual combination louver damper. Stationary blades with extruded vinyl seals and automatic backdraft blades shall be entirely contained within a 4" (102) 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 design shall limit single section blade span to 48" (1219) and shall incorporate such other structural supports required to withstand a wind load of 30 lbs. per sq. ft. (1.44kPa).

Louvers shall be Ruskin Model ELBD813 construction as follows:

Frame: .081" (2.1) extruded aluminum.

Blades: Stationary blades: .081" (2.1) wall thickness. Automatic backdraft blades: .050" (1.3) extruded aluminum.

Screen: 5/8" x .040" (16 x 1) expanded, flattened aluminum bird screen in removable frame.

Finish: Select finish specification from Ruskin Finishes Brochure.

Published louver performance data derived from testing in accordance with AMCA 500 must be submitted for approval prior to fabrication and must demonstrate pressure drop equal to or less than the Ruskin model specified.

LINKS TO IMPORTANT DOCUMENTS

Document Title

Paint Finishes and Color Guide

Limited Warranty Document



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