

ELF15J

Thin Line Stationary Louver
Extruded Aluminum



APPLICATION

The ELF15J is a 1 1/2" deep extruded aluminum, mechanically fastened, thinline, stationary louver. It's designed for exterior and interior locations featuring architecturally styled hidden mullions which allows for a continuous line appearance. This louver is designed to protect air intake and exhaust openings on exterior walls.

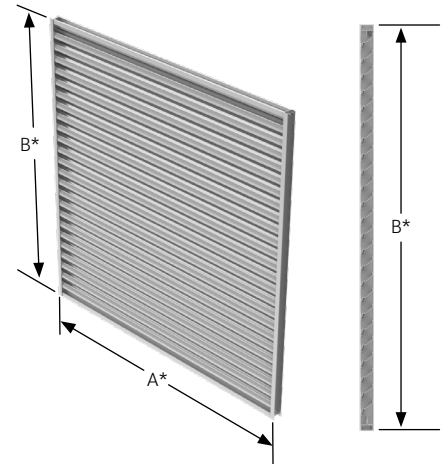
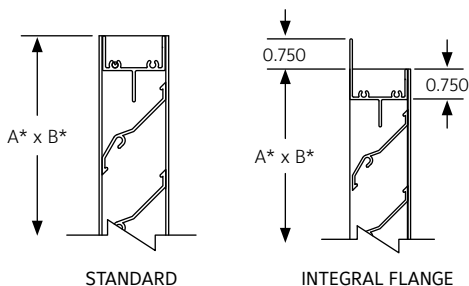
STANDARD CONSTRUCTION

Frame	1 1/2" (38) deep, 6063T6 extruded aluminum with .062" (1.6) nominal wall thickness. Caulking surfaces provided.
Blades	6063T6 extruded aluminum with .060" (1.524) nominal wall thickness. Blades are positioned at 45° angle and spaced approximately 1 7/8" (48) center to center.
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.
Finish	Mill.
Minimum Size	6"w x 6"h (152 x 152).
Approximate Shipping Weight	2.5 lb. per sq. ft. (12.2 kg/m ²).
Maximum Factory Assembly Size	Shall be 60 sq. ft. (5.6m ²) per section, not to exceed 120"w x 72"h (3048 x 1829) or 72"w x 120"h (1829 x 3048). Louvers larger than the maximum factory assembly size will require field assembly of smaller sections.
Supports	Louvers may be provided with rear mounted blade supports that increase overall louver depth depending on louver size, assembly configuration or windload.

FEATURES

- ▶ 50% Free Area
- ▶ Aluminum construction for low maintenance and high resistance to corrosion
- ▶ Mechanically fastened
- ▶ Beginning point of water penetration is 390 FPM
- ▶ Windload 20 PSF

FRAME CONSTRUCTION



YEAR LIMITED
WARRANTY



VARIATIONS

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

- ▶ Extended sill
- ▶ Hinged frame
- ▶ Drip cap
- ▶ Glazing frames
- ▶ Front or rear security bars
- ▶ Filter racks
- ▶ Installation angles
- ▶ Universal sleeve
- ▶ Blank off panels
- ▶ Triangular or round design
- ▶ A variety of bird and insect screens
- ▶ Optional finishes available at additional cost. Please see [Paint Finishes and Color Guide](#) and [Finish Type Model Chart](#) for more details. Contact louversales@ruskin.com with questions

Consult Ruskin for other special requirements.

NOTES:

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

FREE AREA GUIDE

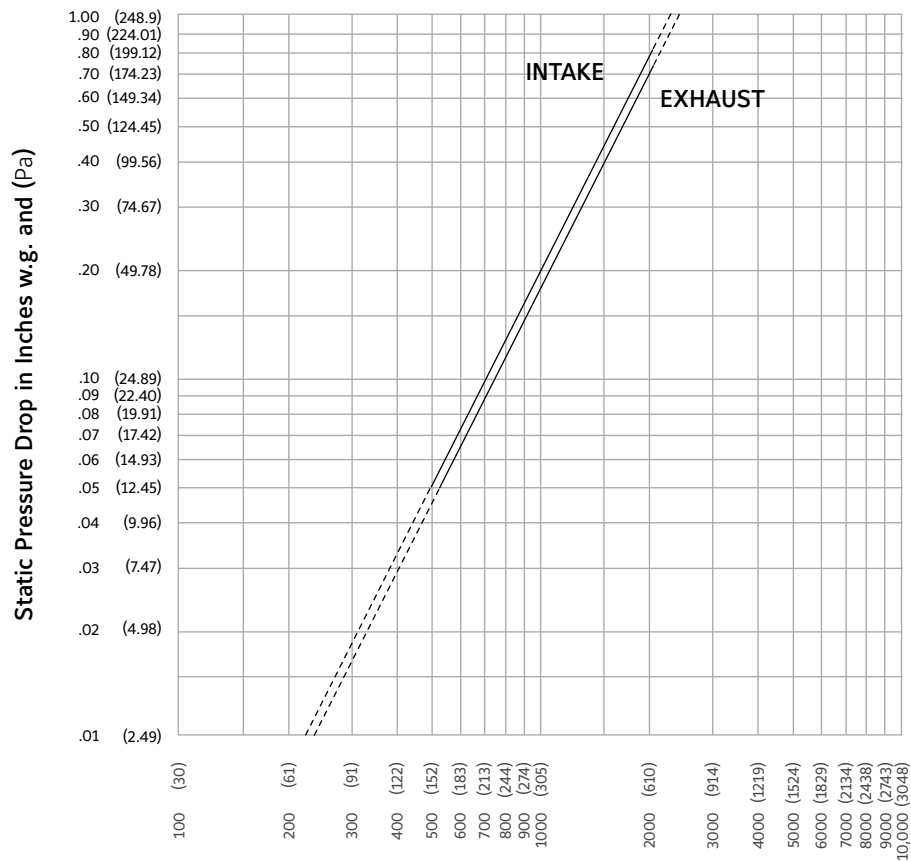
Free Area Guide shows free area in ft² and m² for various sizes of ELF15J.

Width – Inches and Meters

HEIGHT	12	18	24	30	36	42	48	54	60
	0.30	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52
12	0.37	0.58	0.79	1.01	1.22	1.43	1.64	1.85	2.06
0.30	0.03	0.05	0.07	0.09	0.11	0.13	0.15	0.17	0.19
18	0.62	0.98	1.33	1.69	2.04	2.39	2.75	3.10	3.46
0.46	0.06	0.09	0.12	0.16	0.19	0.22	0.26	0.29	0.32
24	0.87	1.37	1.87	2.37	2.86	3.36	3.86	4.36	4.85
0.61	0.08	0.13	0.17	0.22	0.27	0.31	0.36	0.41	0.45
30	1.06	1.66	2.27	2.88	3.48	4.09	4.69	5.30	5.90
0.76	0.10	0.15	0.21	0.27	0.32	0.38	0.44	0.49	0.55
36	1.31	2.06	2.81	3.56	4.30	5.05	5.80	6.55	7.30
0.91	0.12	0.19	0.26	0.33	0.40	0.47	0.54	0.61	0.68
42	1.56	2.45	3.34	4.24	5.13	6.02	6.91	7.80	8.69
1.07	0.06	0.10	0.13	0.17	0.20	0.24	0.27	0.31	0.34
48	1.81	2.85	3.88	4.92	5.95	6.98	8.02	9.05	10.09
1.22	0.17	0.26	0.36	0.46	0.55	0.65	0.75	0.84	0.94
54	2.06	3.24	4.42	5.60	6.77	7.95	9.13	10.31	11.48
1.37	0.19	0.30	0.41	0.52	0.63	0.74	0.85	0.96	1.07
60	2.25	3.53	4.82	6.11	7.39	8.68	9.96	11.25	12.53
1.52	0.21	0.33	0.45	0.57	0.69	0.81	0.93	1.05	1.17

Free area velocity at point of .01 oz./ft.² (3g/m²) of free area water penetration: 390 fpm (119 m/min).

PRESSURE DROP



SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be stationary type. Louvers shall have a minimum of 50% free area based on a 48" wide x 48" high (1219 x 1219) size. Stationary blades shall be contained within a 1 1/2" (38) 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 incorporate structural supports required to withstand a wind load of 20 lbs. per sq. ft. (0.96kPa) (specifier may substitute any loading required).

Louvers shall be Ruskin Model ELF15J extruded 6063T6 aluminum alloy construction as follows:

Frame: 1 1/2" (38) deep .062" (1.6) wall thickness.

Blades: .060" (1.524) nominal wall thickness. Blades are positioned at 45° angle and spaced at approximately 1 7/8" (48) center to center.

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

Finish: Select finish specification from Ruskin Finishes Brochure.

Published louver performance data derived from testing in accordance with AMCA 500-L for Air Performance 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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