

ELF6375X/ELF6375XH

Stationary Louvers
Extruded Aluminum



APPLICATION

The ELF6375X/ELF6375XH are 6" deep extruded aluminum, architecturally styled, stationary louvers with hidden mullions which allow for a continuous line appearance. These louvers are designed to protect air intake and exhaust openings on exterior walls.

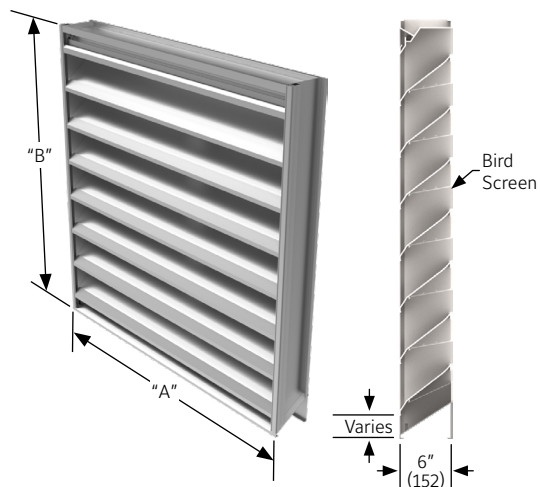
STANDARD CONSTRUCTION

Frame	6" (152) deep, 6063T6 extruded aluminum. ELF6375X - .081" (2.1) nominal wall thickness. ELF6375XH - .125" (3.2) nominal wall thickness. Downspouts and caulking surfaces provided.
Blades	6063T6 extruded aluminum. ELF6375X - .094" (2.4) nominal wall thickness. ELF6375XH - .125" (3.2) nominal wall thickness. Blades are positioned at 37 1/2° angle and spaced approximately 5 29/32" (150) center to center.
Screen	3/4" x .051" (19 x 1.3) expanded, flattened aluminum bird screen in removable frame. Screen adds approximately 1/2" (13) to louver depth.
Finish	Mill.
Minimum Size	12" w x 12" h (305 x 305).
Approximate Shipping Weight	ELF6375X - 4 lbs./ft. ² (19.5 kg/m ²) ELF6375XH - 6 lbs./ft. ² (29.3 kg/m ²)
Maximum Factory Assembly Size	Shall be 75 sq. ft. (7m ²) per section, not to exceed 120" w x 90" h (3048 x 2286) or 90" w x 120" h (2286 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.

Consult Ruskin for additional information.

FEATURES

- ▶ 55% Free Area.
- ▶ Published performance ratings based on testing in accordance with AMCA Publication 511.
- ▶ High performance frame system with drainable head collects and removes water to provide excellent water penetration performance.
- ▶ Architecturally styled, hidden mullions allowing continuous line appearance up to 120" (3048).
- ▶ Aluminum construction for low maintenance and high resistance to corrosion.
- ▶ All welded construction.



YEAR LIMITED WARRANTY

ISO9001 CERTIFIED

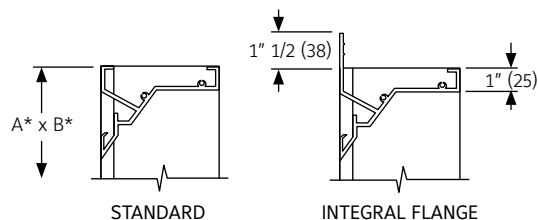


VARIATIONS

Variations to the basic design of these louvers are available at additional cost. They include:

- ▶ Extended sill.
- ▶ Hinged frame.
- ▶ Front or rear security bars.
- ▶ Filter racks.
- ▶ Blank of panels.
- ▶ Integral flange frame.
- ▶ Universal sleeve.
- ▶ Installation angles.
- ▶ 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.

FRAME CONSTRUCTION



NOTES:

- Dimensions in inches, parenthesis () indicate millimeters.
- Units furnished 1/4" (6) smaller than given opening dimensions.

FREE AREA GUIDE

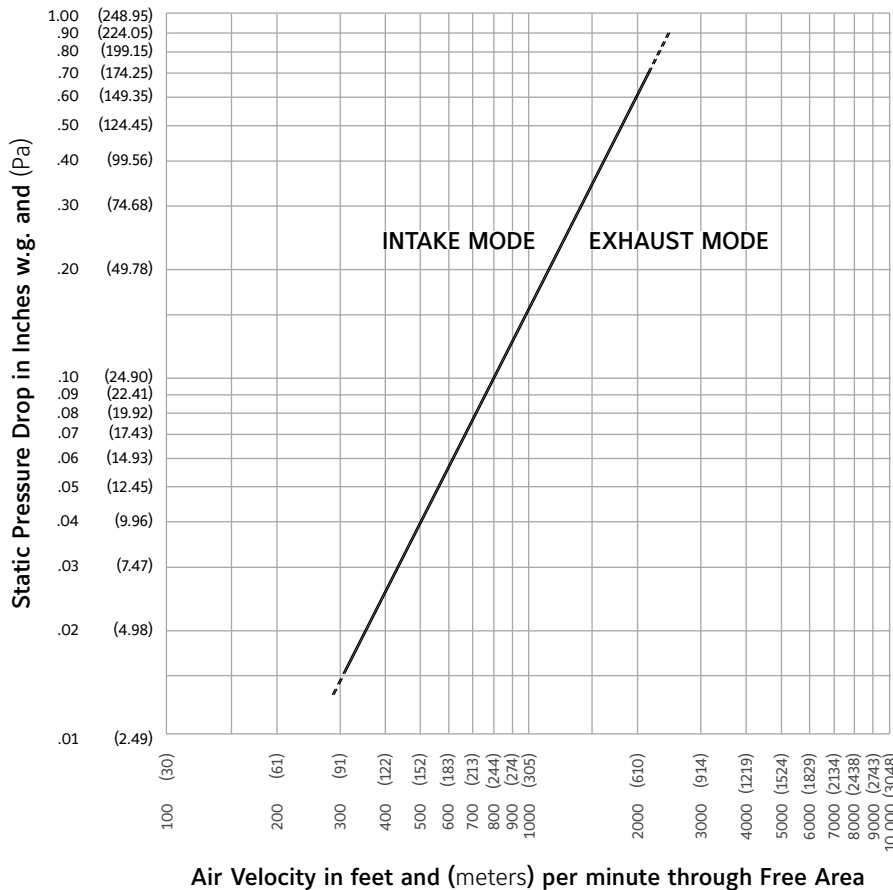
Free Area Guide shows free area in ft² and m² for various sizes of ELF6375X and ELF6375XH.

Width – Inches and Meters

	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	3.00
12	0.36	0.57	0.78	1.00	1.21	1.42	1.64	1.85	2.06	2.28	2.49	2.71	2.92	3.13	3.35	3.56	3.77	3.99	4.20
0.30	0.03	0.05	0.07	0.09	0.11	0.13	0.15	0.17	0.19	0.21	0.23	0.25	0.27	0.29	0.31	0.33	0.35	0.37	0.39
18	0.62	0.99	1.36	1.73	2.10	2.47	2.84	3.21	3.58	3.95	4.32	4.69	5.06	5.43	5.80	6.17	6.54	6.91	7.29
0.45	0.06	0.09	0.13	0.16	0.20	0.23	0.26	0.30	0.33	0.37	0.40	0.44	0.47	0.51	0.54	0.57	0.61	0.64	0.68
24	0.88	1.41	1.93	2.46	2.99	3.52	4.04	4.57	5.10	5.62	6.15	6.68	7.21	7.73	8.26	8.79	9.32	9.84	10.37
0.60	0.08	0.13	0.18	0.23	0.28	0.33	0.38	0.42	0.47	0.52	0.57	0.62	0.67	0.72	0.77	0.82	0.87	0.92	0.96
30	1.14	1.82	2.51	3.19	3.88	4.56	5.25	5.93	6.61	7.30	7.98	8.67	9.35	10.03	10.72	11.40	12.09	12.77	13.45
0.75	0.11	0.17	0.23	0.30	0.36	0.42	0.49	0.55	0.62	0.68	0.74	0.81	0.87	0.93	1.00	1.06	1.12	1.19	1.25
36	1.40	2.24	3.08	3.92	4.77	5.61	6.45	7.29	8.13	8.97	9.81	10.65	11.49	12.33	13.18	14.02	14.86	15.70	16.54
0.90	0.13	0.21	0.29	0.36	0.44	0.52	0.60	0.68	0.76	0.83	0.91	0.99	1.07	1.15	1.23	1.30	1.38	1.46	1.54
42	1.66	2.66	3.66	4.66	5.65	6.65	7.65	8.65	9.65	10.64	11.64	12.64	13.64	14.63	15.63	16.63	17.63	18.63	19.62
1.05	0.15	0.25	0.34	0.43	0.53	0.62	0.71	0.80	0.90	0.99	1.08	1.18	1.27	1.36	1.45	1.55	1.64	1.73	1.83
48	1.92	3.08	4.23	5.39	6.54	7.70	8.85	10.01	11.16	12.32	13.47	14.63	15.78	16.94	18.09	19.24	20.40	21.55	22.71
1.20	0.18	0.29	0.39	0.50	0.61	0.72	0.82	0.93	1.04	1.15	1.25	1.36	1.47	1.57	1.68	1.79	1.90	2.00	2.11
54	2.19	3.50	4.81	6.12	7.43	8.74	10.06	11.37	12.68	13.99	15.30	16.61	17.92	19.24	20.55	21.86	23.17	24.48	25.79
1.35	0.20	0.33	0.45	0.57	0.69	0.81	0.94	1.06	1.18	1.30	1.42	1.54	1.67	1.79	1.91	2.03	2.15	2.28	2.40
60	2.45	3.92	5.38	6.85	8.32	9.79	11.26	12.73	14.19	15.66	17.13	18.60	20.07	21.54	23.00	24.47	25.94	27.41	28.88
1.50	0.23	0.36	0.50	0.64	0.77	0.91	1.05	1.18	1.32	1.46	1.59	1.73	1.87	2.00	2.14	2.28	2.41	2.55	2.69
66	2.71	4.33	5.96	7.58	9.21	10.83	12.46	14.09	15.71	17.34	18.96	20.59	22.21	23.84	25.46	27.09	28.71	30.34	31.96
1.65	0.25	0.40	0.55	0.71	0.86	1.01	1.16	1.31	1.46	1.61	1.76	1.91	2.07	2.22	2.37	2.52	2.67	2.82	2.97
72	2.97	4.75	6.53	8.32	10.10	11.88	13.66	15.44	17.23	19.01	20.79	22.57	24.35	26.14	27.92	29.70	31.48	33.27	35.05
1.80	0.28	0.44	0.61	0.77	0.94	1.10	1.27	1.44	1.60	1.77	1.93	2.10	2.27	2.43	2.60	2.76	2.93	3.09	3.26
78	3.23	5.17	7.11	9.05	10.99	12.93	14.86	16.80	18.74	20.68	22.62	24.56	26.50	28.44	30.38	32.32	34.25	36.19	38.13
1.95	0.30	0.48	0.66	0.84	1.02	1.20	1.38	1.56	1.74	1.92	2.10	2.28	2.46	2.64	2.82	3.01	3.19	3.37	3.55
84	3.49	5.59	7.68	9.78	11.88	13.97	16.07	18.16	20.26	22.35	24.45	26.55	28.64	30.74	32.83	34.93	37.03	39.12	41.22
2.10	0.32	0.52	0.71	0.91	1.10	1.30	1.49	1.69	1.88	2.08	2.27	2.47	2.66	2.86	3.05	3.25	3.44	3.64	3.83
90	3.75	6.01	8.26	10.51	12.76	15.02	17.27	19.52	21.78	24.03	26.28	28.53	30.79	33.04	35.29	37.54	39.80	42.05	44.30
2.25	0.35	0.56	0.77	0.98	1.19	1.40	1.61	1.82	2.03	2.23	2.44	2.65	2.86	3.07	3.28	3.49	3.70	3.91	4.12
96	4.02	6.43	8.83	11.24	13.65	16.06	18.47	20.88	23.29	25.70	28.11	30.52	32.93	35.34	37.75	40.16	42.57	44.98	47.39
2.40	0.37	0.60	0.82	1.05	1.27	1.49	1.72	1.94	2.17	2.39	2.61	2.84	3.06	3.29	3.51	3.73	3.96	4.18	4.41
102	4.28	6.84	9.41	11.98	14.54	17.11	19.67	22.24	24.81	27.37	29.94	32.51	35.07	37.64	40.21	42.77	45.34	47.90	50.47
2.55	0.40	0.64	0.88	1.11	1.35	1.59	1.83	2.07	2.31	2.55	2.78	3.02	3.26	3.50	3.74	3.98	4.22	4.46	4.69
108	4.54	7.26	9.98	12.71	15.43	18.15	20.88	23.60	26.32	29.05	31.77	34.49	37.22	39.94	42.66	45.39	48.11	50.83	53.56
2.70	0.42	0.68	0.93	1.18	1.44	1.69	1.94	2.19	2.45	2.70	2.95	3.21	3.46	3.71	3.97	4.22	4.47	4.73	4.98
114	4.80	7.68	10.56	13.44	16.32	19.20	22.08	24.96	27.84	30.72	33.60	36.48	39.36	42.24	45.12	48.00	50.88	53.76	56.64
2.85	0.45	0.71	0.98	1.25	1.52	1.79	2.05	2.32	2.59	2.86	3.12	3.39	3.66	3.93	4.20	4.46	4.73	5.00	5.27
120	5.06	8.10	11.14	14.17	17.21	20.25	23.28	26.32	29.36	32.39	35.43	38.47	41.50	44.54	47.58	50.61	53.65	56.69	59.72
3.00	0.47	0.75	1.04	1.32	1.60	1.88	2.17	2.45	2.73	3.01	3.29	3.58	3.86	4.14	4.42	4.71	4.99	5.27	5.55

Height – Inches and Meters

PRESSURE DROP



Ratings do not include the effect of a bird screen.



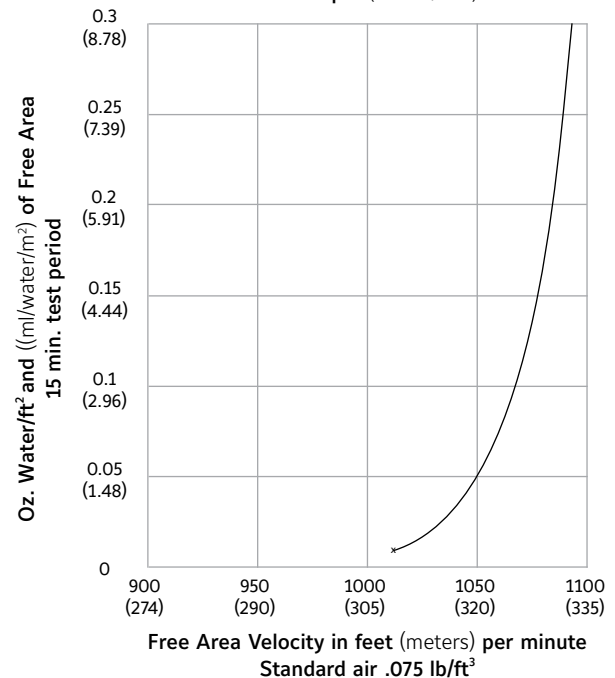
Ruskin Manufacturing Company certifies that the ELF6375X and ELF6375XH Louvers shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to air performance ratings and water penetration ratings only.

PERFORMANCE DATA

AMCA Standard 500-L provides a reasonable basis for testing and rating louvers. Testing to AMCA 500-L is performed under a certain set of laboratory conditions. This does not guarantee that other conditions will not occur in the actual environment where louvers must operate.

The louver system should be designed with a reasonable safety factor for louver performance. To ensure protection from water carry-over, design with a performance level somewhat below maximum desired pressure drop and .01 oz./sq. ft. of water penetration.

Water penetration
 Test size 48" wide X 48" high (1219 X 1219)
 Beginning point of water penetration at .01 oz./sq.ft.
 is 1010 fpm (308 m/min).



SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be stationary type with downspouts in jambs and mullions. Louvers shall have a minimum of 55% free area based on a 48" wide x 48" high (1219 x 1219) size. Stationary blades shall be contained within a 6" (152) frame. Louver components (heads, jambs, sills, blades, and 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 span between visible mullions to 10 feet (3) and shall incorporate structural supports required to withstand a windload of 30 psf (1.44 kPa) – equivalent of a 110 mph (177 kph) wind – specifier may substitute any loading required).

Louvers shall be Ruskin Model ELF6375X or ELF6375XH extruded 6063T6 aluminum alloy construction as follows:

Frame: 6" (152) deep. ELF6375X - .081" (2.1) wall thickness. ELF6375XH - .125" (3.2) wall thickness.

Blades: ELF6375X - .094" (2.4) wall thickness. ELF6375XH - .125" (3.2) wall thickness. Blades positioned at 37 1/2° angle and spaced approximately 5 29/32" (150) center to center.

Screen: 3/4" x .051" (19 x 1.3) expanded, flattened aluminum in removable frame.

Finish: Select finish specification from Ruskin Finishes Brochure.

Published louver performance data bearing the AMCA Certified Ratings Seal for Air Performance & Water Penetration must be submitted for approval prior to fabrication and must demonstrate pressure drop and water penetration equal to or less than the Ruskin model specified.

LINKS TO IMPORTANT DOCUMENTS

Document Title

[Paint Finishes and Color Guide](#)

[Limited Warranty Document](#)



3900 Doctor Greaves Road
Grandview, MO 64030
Website: www.ruskin.com
Phone: (816) 761-7476