

LC6375D COMBINATION LOUVER DRAINABLE BLADE ROLL FORMED STEEL

STANDARD CONSTRUCTION

FRAME

6" (152) deep, 16 (1.6) gage galvanized steel. Downspouts and caulking surfaces provided.

BLADES

Front stationary blades - 18 (1.3) gage galvanized steel. Drainable blades are positioned at 37 1/2° angle and spaced approximately 4 1/2" (114) center to center. Rear adjustable blades - 16 (1.6) gage galvanized steel.

SCREEN

1/2" mesh x 19 gage (13 x 1.1) galvanized 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

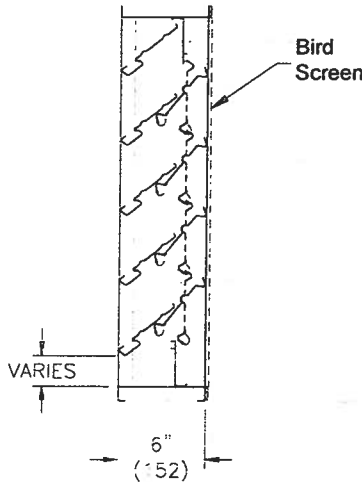
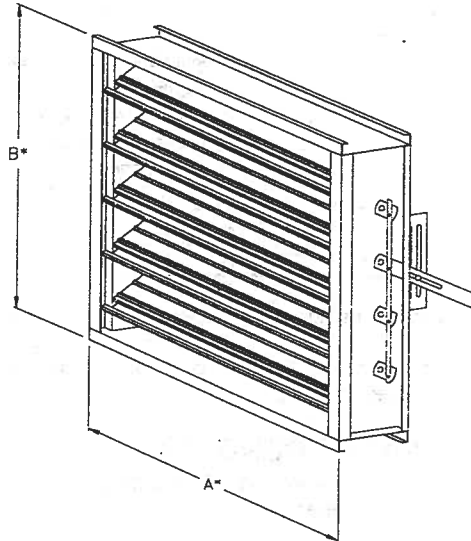
6 lbs. per sq. ft. (29.3 kg/m²)

MAXIMUM FACTORY ASSEMBLY SIZE

64 sq. ft. (6m²) per section, not to exceed 48"w x 90"h (1219x2286) or 90"w x 48"h (2286x1219).

Louvers larger than the maximum factory assembly size will require field assembly of smaller sections.

Consult Ruskin for additional information.



FEATURES

The LC6375D offers:

- 47% Free Area.
- Published performance ratings based on testing in accordance with AMCA Publication 511.
- Tight shut off in air intake and exhaust applications.
- Front stationary blades and adjustable rear blades contained in 6" (152) frame.
- Drain gutter in each front stationary blade and downspouts in jambs and mullions to drain water from louver for minimum water cascade from blade to blade.
- Low pressure drop and low water penetration.
- Architecturally styled hidden mullions allowing continuous line appearance up to 120" (3048).
- Economical galvanized steel construction.

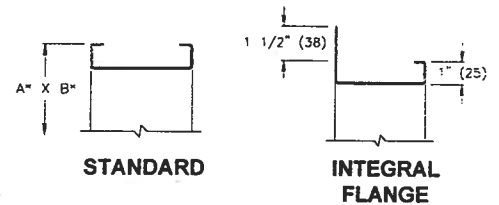
VARIATIONS

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.
- A variety of bird and insect screens.
- Selection of finishes: prime coat, baked enamel (modified fluoropolymer), epoxy, Acrodize and Kynar.

Consult Ruskin for other special requirements.

FRAME CONSTRUCTION



Dimensions in inches, parentheses () indicate millimeters.

*Units furnished 1/4" (6) smaller than given opening dimensions.

TAG	QTY	SIZE		FRAME	VARIATIONS
		A* - WIDE	B* - HIGH		
PROJECT					LOCATION
ARCH./ENGR.					CONTRACTOR
REPRESENTATIVE					DATE

SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedule. Louvers shall be combination stationary adjustable drainable type with a drain gutter in each blade and downspouts in jambs and mullions. Stationary blades and adjustable blades shall be contained within a single 6" (152) louver 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 incorporate structural supports required to withstand a wind load of 20 lbs. per sq. ft. (.96kPa) equivalent of a 90 mph wind [145KPH] - specifier may substitute any loading required).

Louvers shall be Ruskin Model LC6375D construction as follows:

- Frame: 16 gage (1.6) galvanized steel.
- Blades: Front Stationary - 18 gage (1.3) galvanized steel at 37 1/2 ° angle and spaced approximately 4 3/4" (121) center to center. Rear Adjustable - 16 gage (1.6) galvanized steel.
- Screen: 1/2" mesh x 19 gage (13 x 1.1) galvanized steel in removable frame.
- Finish: Select finish specification from Ruskin/Valspar 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.

PERFORMANCE DATA

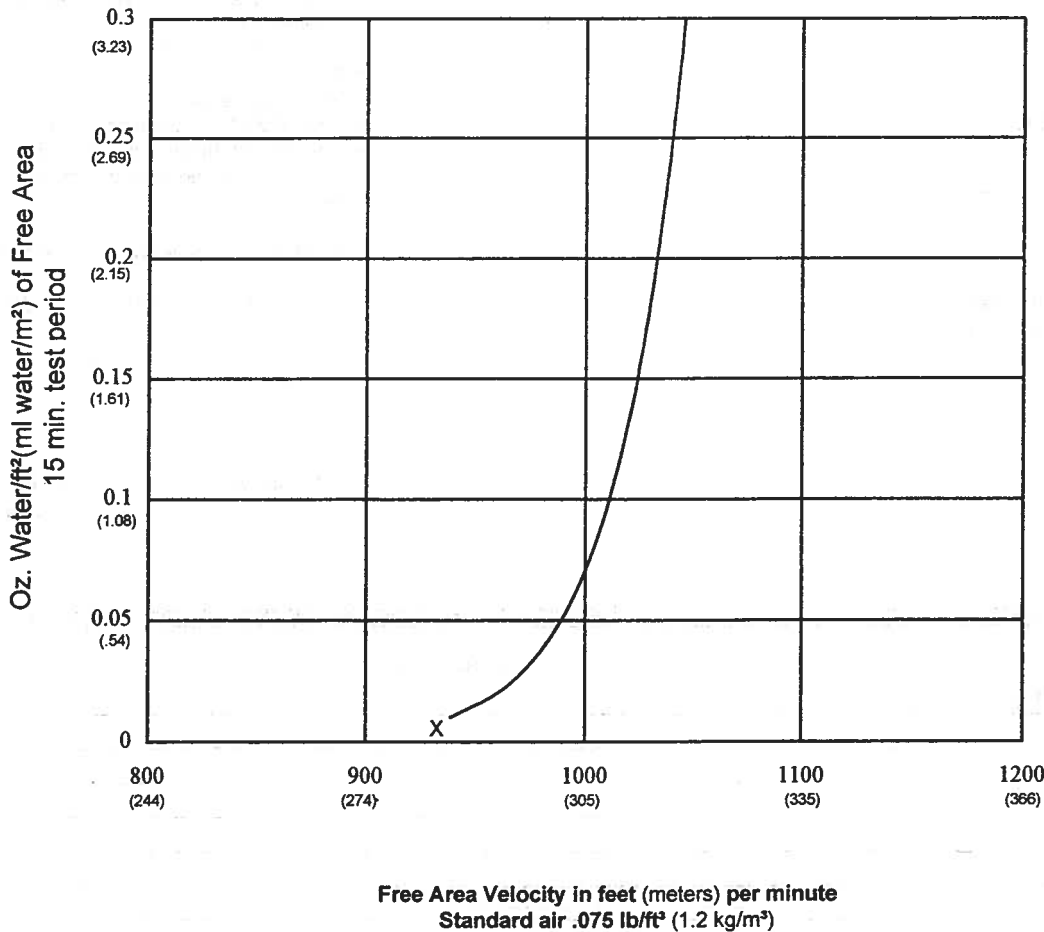
AMCA Standard 500 provides a reasonable basis for testing and rating louvers. Testing to AMCA 500 is performed under a certain set of laboratory conditions. This does not guarantee that other conditions will not occur in the actual environment where louvers must operate.

Designs should provide a reasonable safety factor for louver performance by selecting at some point below pressure drop or water penetration system requirements.

WATER PENETRATION

Test size 48"x48" (1219x1219)

Beginning point of water penetration at .01 oz./sq. ft. is 938 fpm (286 m/min.)



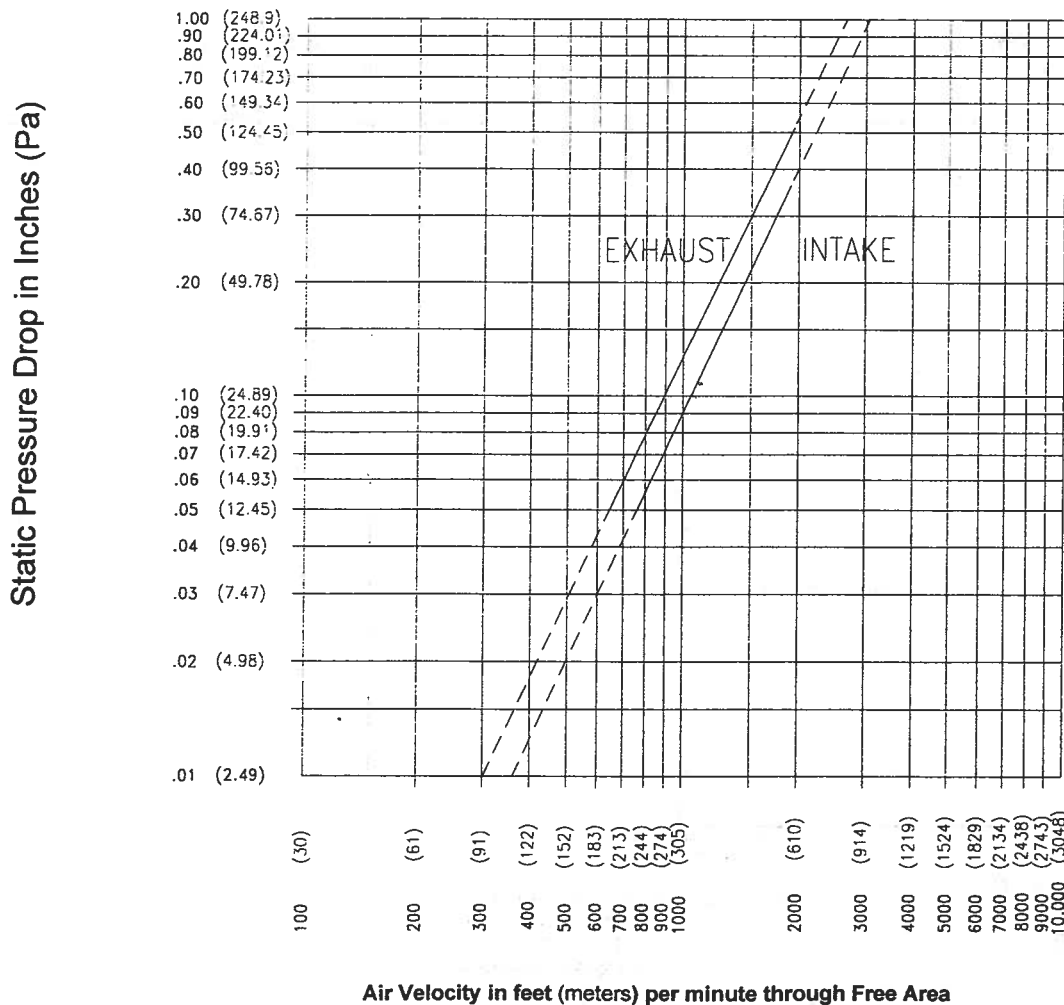
Ruskin Manufacturing certifies that the louvers shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal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

Free Area Guide shows free area in ft² and m² for various sizes of LC6375D.

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	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52	1.68	1.83	1.98	2.13	2.29	2.44	2.59	2.74	2.90	3.05
12	0.19	0.31	0.43	0.54	0.66	0.78	0.90	0.97	1.09	1.20	1.32	1.44	1.56	1.67	1.79	1.86	1.98	2.10	2.22
0.30	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.16	0.17	0.17	0.18	0.20	0.21
18	0.37	0.59	0.82	1.05	1.27	1.50	1.73	1.87	2.09	2.32	2.55	2.77	3.00	3.23	3.45	3.59	3.82	4.05	4.27
0.46	0.03	0.06	0.08	0.10	0.12	0.14	0.16	0.17	0.19	0.22	0.24	0.26	0.28	0.30	0.32	0.33	0.36	0.38	0.40
24	0.54	0.88	1.22	1.55	1.89	2.22	2.56	2.77	3.10	3.44	3.77	4.11	4.44	4.78	5.11	5.32	5.66	5.99	6.33
0.61	0.05	0.08	0.11	0.14	0.18	0.21	0.24	0.26	0.29	0.32	0.35	0.38	0.41	0.44	0.48	0.50	0.53	0.56	0.59
30	0.90	1.45	2.01	2.56	3.11	3.67	4.22	4.56	5.12	5.67	6.22	6.78	7.33	7.88	8.44	8.78	9.34	9.89	10.44
0.76	0.08	0.14	0.19	0.24	0.29	0.34	0.39	0.42	0.48	0.53	0.58	0.63	0.68	0.73	0.78	0.82	0.87	0.92	0.97
36	1.08	1.74	2.40	3.06	3.72	4.39	5.05	5.46	6.13	6.79	7.45	8.11	8.77	9.44	10.10	10.51	11.17	11.84	12.50
0.91	0.10	0.16	0.22	0.28	0.35	0.41	0.47	0.51	0.57	0.63	0.69	0.75	0.82	0.88	0.94	0.98	1.04	1.10	1.16
42	1.25	2.02	2.80	3.57	4.34	5.11	5.88	6.36	7.13	7.90	8.68	9.45	10.22	10.99	11.76	12.24	13.01	13.78	14.56
1.07	0.12	0.19	0.26	0.33	0.40	0.48	0.55	0.59	0.66	0.74	0.81	0.88	0.95	1.02	1.09	1.14	1.21	1.28	1.35
48	1.61	2.60	3.59	4.57	5.56	6.55	7.54	8.16	9.15	10.14	11.13	12.12	13.11	14.09	15.08	15.70	16.69	17.68	18.67
1.22	0.15	0.24	0.33	0.43	0.52	0.61	0.70	0.76	0.85	0.94	1.03	1.13	1.22	1.31	1.40	1.46	1.55	1.64	1.74
54	1.78	2.88	3.98	5.08	6.18	7.27	8.37	8.16	9.15	10.14	11.13	12.12	13.11	14.09	15.08	15.70	16.69	17.68	18.67
1.37	0.17	0.27	0.37	0.47	0.57	0.68	0.78	0.76	0.85	0.94	1.03	1.13	1.22	1.31	1.40	1.46	1.55	1.64	1.74
60	1.96	3.17	4.38	5.58	6.79	8.00	9.20	9.96	11.16	12.37	13.58	14.79	15.99	17.20	18.41	19.16	20.37	21.58	22.78
1.52	0.18	0.29	0.41	0.52	0.63	0.74	0.86	0.93	1.04	1.15	1.26	1.38	1.49	1.60	1.71	1.78	1.89	2.01	2.12
66	2.30	3.72	5.14	6.56	7.97	9.39	10.81	11.30	12.67	14.04	15.41	16.78	18.15	19.52	20.89	21.75	23.12	24.49	25.86
1.68	0.21	0.35	0.48	0.61	0.74	0.87	1.01	1.05	1.18	1.31	1.43	1.56	1.69	1.82	1.94	2.02	2.15	2.28	2.40
72	2.49	4.03	5.56	7.09	8.63	10.16	11.70	12.65	14.19	15.72	17.26	18.79	20.32	21.86	23.39	24.35	25.88	27.42	28.95
1.83	0.23	0.37	0.52	0.66	0.80	0.95	1.09	1.18	1.32	1.46	1.60	1.75	1.89	2.03	2.18	2.26	2.41	2.55	2.69
78	2.67	4.31	5.96	7.60	9.24	10.88	12.53	13.55	15.20	16.84	18.48	20.12	21.77	23.41	25.05	26.08	27.72	29.37	31.01
1.98	0.25	0.40	0.55	0.71	0.86	1.01	1.16	1.26	1.41	1.57	1.72	1.87	2.02	2.18	2.33	2.43	2.58	2.73	2.88
84	3.02	4.88	6.75	8.61	10.47	12.33	14.19	14.45	16.20	17.96	19.71	21.46	23.21	24.96	26.71	27.81	29.56	31.31	33.07
2.13	0.28	0.45	0.63	0.80	0.97	1.15	1.32	1.34	1.51	1.67	1.83	2.00	2.16	2.32	2.48	2.59	2.75	2.91	3.08
90	3.20	5.17	7.14	9.11	11.08	13.05	15.02	15.35	17.21	19.07	20.93	22.79	24.65	26.52	28.38	29.54	31.40	33.26	35.12
2.29	0.30	0.48	0.66	0.85	1.03	1.21	1.40	1.43	1.60	1.77	1.95	2.12	2.29	2.47	2.64	2.75	2.92	3.09	3.27

PRESSURE DROP

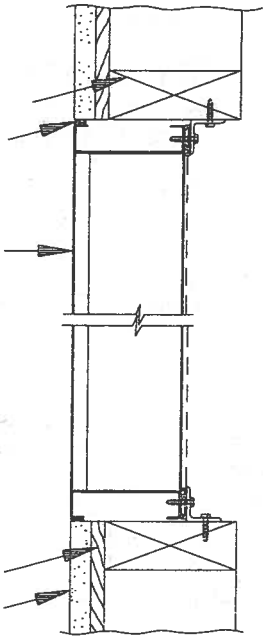


Ratings do not include the effect of a bird screen.

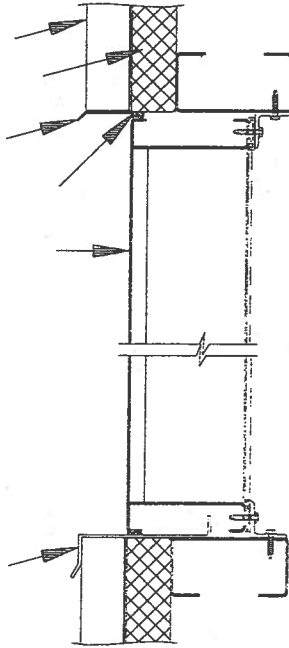
Air Velocity in feet (meters) per minute through Free Area

TYPICAL INSTALLATION DETAILS

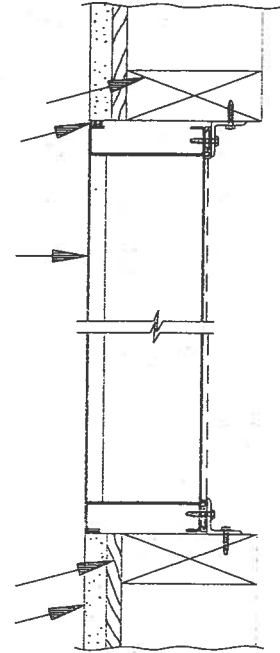
Masonry Wall



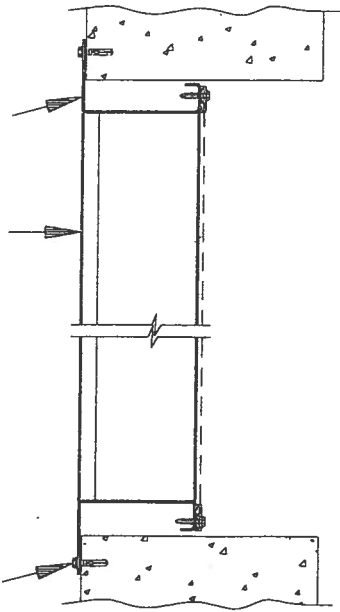
Metal Panel Wall



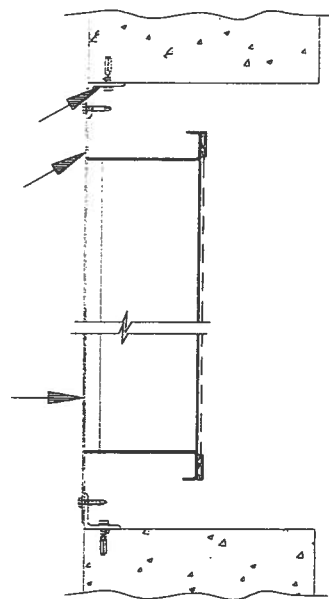
Wood Installation



Flange Mount



Angle Subframe



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