

ELC6375D COMBINATION LOUVER DRAINABLE BLADE EXTRUDED ALUMINUM

STANDARD CONSTRUCTION

FRAME

6" (152) deep, 6063T5 extruded aluminum with .125" (3.2) nominal wall thickness. Downspouts and caulking slots provided.

BLADES

Front stationary drainable blades – 6063T5 extruded aluminum. .081" (2.1) nominal wall thickness positioned at 37½° angle and spaced approximately 4½" (114) center to center.

Rear adjustable blades – 6063T5 extruded aluminum, 125" (3.2) nominal wall thickness for single section widths through 48" (1219).

SCREEN

¾" x .051" (19 x 1) expanded, flattened aluminum bird screen in removable frame. Screen adds approximately ½" (13) to louver depth.

SEALS

Extruded vinyl blade edge seals on rear adjustable blades and flexible, compressible aluminum jamb seals.

LINKAGE

Concealed.

BEARINGS

Stainless steel sleeve pressed into frame.

AXLES

½" (13) plated steel hex.

ACTUATOR

Locking louver quadrant.

FINISH

Mill.

MINIMUM SIZE

12"w x 12"h (305 x 305).

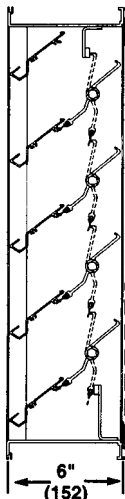
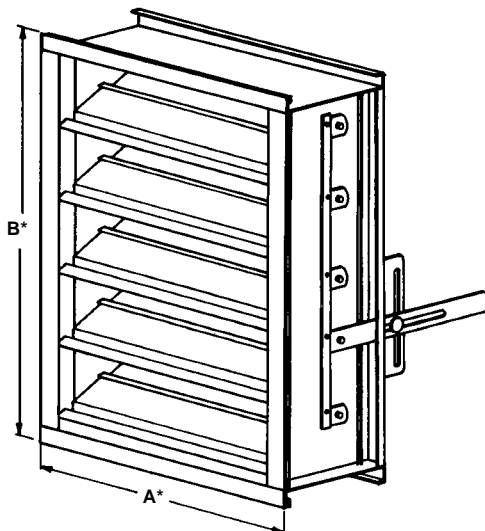
APPROXIMATE SHIPPING WEIGHT

8 lbs. per sq. ft.

MAXIMUM FACTORY ASSEMBLY SIZE

64 sq. ft. (6m²). Sections must fit into standard enclosed trailer 90" high x 240" deep (2286 x 6096).

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



FEATURES

The ELC6375D offers:

- Published performance ratings based on testing in accordance with AMCA Standard 511.
- High free area, low water penetration, and low pressure drop.
- Ideally suited for air intake and exhaust applications that require tight shut off.
- Combines architectural styling with performance.
- Adjustable rear blades provide desired shut off in the same 6" (152) deep frame normally required by a louver alone.
- A drain gutter in each front stationary blade and downspouts in jambs and mullions drain water from the louver with minimum water cascade from blade to blade.
- Architecturally styled hidden mullions allowing continuous line appearance up to 120" (3048).

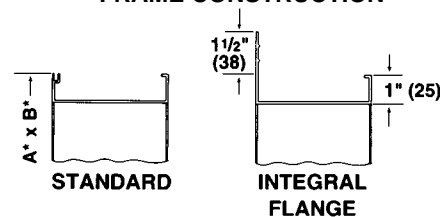
VARIATIONS

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

- Extended sill.
- Hinged frame.
- Front or rear security bars.
- Filter racks.
- A variety of bird and insect screens.
- Selection of finishes: baked enamel (modified fluoropolymer), epoxy, Kynar, Acrodize, prime coat, integral color and clear anodize. (Some variation in anodize color consistency is possible).
- A selection of manual, electric, and pneumatic actuators.

Consult Ruskin for other special requirements.

FRAME CONSTRUCTION



Dimensions in parenthesis () indicate millimeters.

*Units furnished ¼" (6) smaller than given opening dimensions.

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

SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be combination stationary adjustable drainable type with a drain gutter in each stationary blade and downspouts in jamps and mullions. Stationary blades and adjustable blades shall be contained within a single 6" (152) louver frame. Adjustable section shall include low leakage blade and jamb seals. Louver components (heads, jamps, 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 span between visible mullions to 120" (3048) and shall incorporate such other structural supports required to withstand a wind load of 20 lbs. per sq. ft. (.96kPa) (equivalent of a 90 mph wind [145 KPH] – specifier may substitute any loading required).

Louvers shall be Combination Drainable Type Ruskin Model ELC6375D extruded 6063T5 aluminum alloy construction as follows:

- Frame: .125" (3.2) wall thickness.
- Blades: Stationary front section .081" (2.1) wall thickness, drainable blade at 37½° angle on approximately 4½" (114) centers. Adjustable rear section .125" (3.2) wall thickness.
- 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.

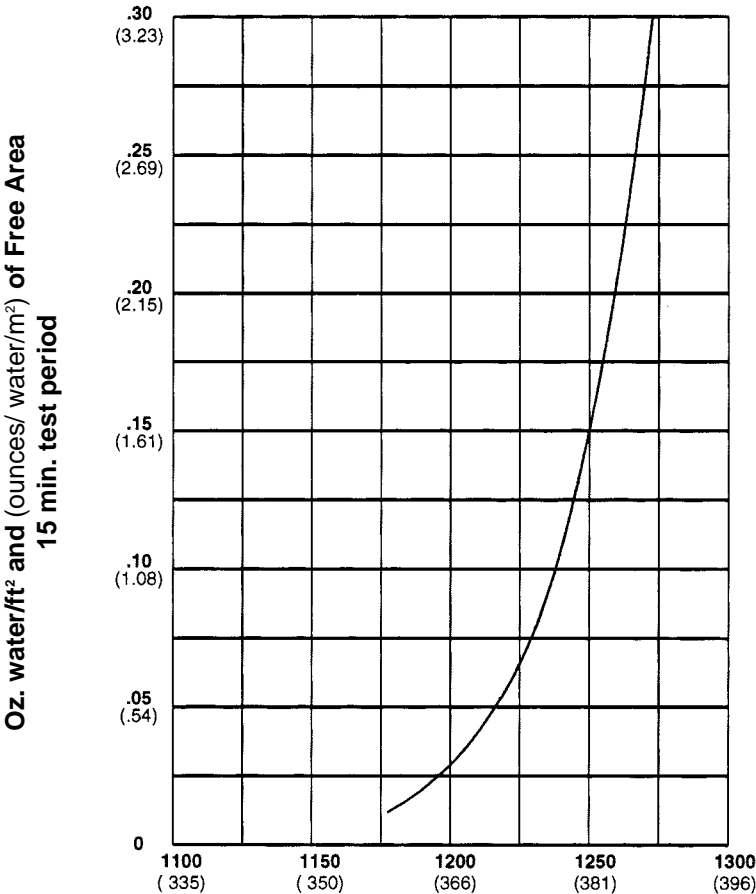
PERFORMANCE DATA

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.

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. 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 1179 fpm (359 m/min).



Free Area Velocity in feet and (meters) per minute
Standard air .075 lb/ft³

FREE AREA GUIDE

Free Area Guide shows free area in ft² and m² for various sizes of ELC6375D.

Width – Inches and Meters

Height – Inches and Meters

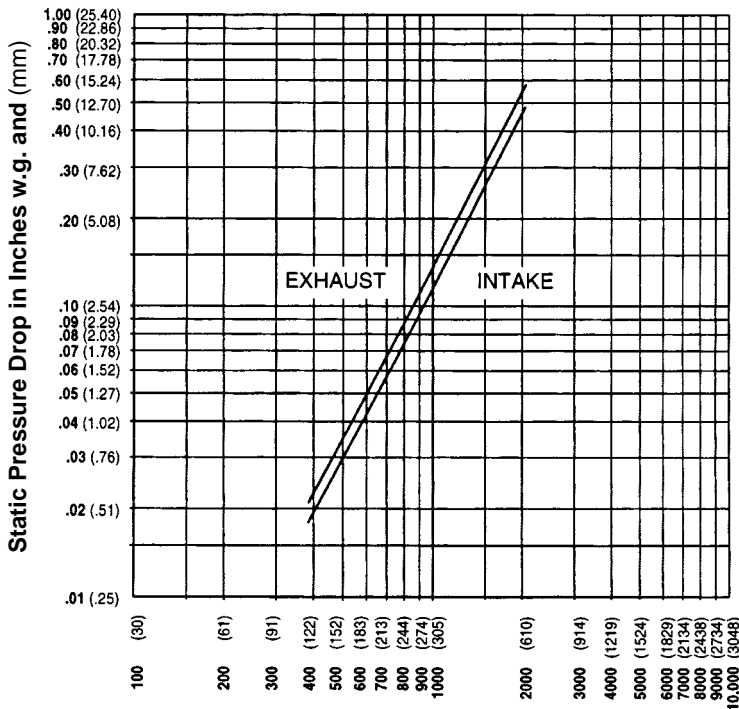
	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
	0.30	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52	1.68	1.83	1.98	2.13	2.29	2.44
12	0.17	0.28	0.38	0.49	0.59	0.70	0.80	0.85	0.96	1.06	1.17	1.27	1.37	1.48	1.58
0.30	0.02	0.03	0.04	0.05	0.05	0.07	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.15
18	0.47	0.76	1.04	1.33	1.61	1.90	2.18	2.33	2.61	2.90	3.18	3.47	3.75	4.04	4.32
0.46	0.04	0.07	0.10	0.12	0.15	0.18	0.20	0.22	0.24	0.27	0.30	0.32	0.35	0.38	0.40
24	0.65	1.04	1.43	1.82	2.21	2.60	2.99	3.18	3.57	3.96	4.35	4.74	5.13	5.52	5.91
0.61	0.06	0.10	0.13	0.17	0.21	0.24	0.28	0.30	0.33	0.37	0.40	0.44	0.48	0.51	0.55
30	0.86	1.37	1.88	2.39	2.91	3.42	3.93	4.19	4.70	5.22	5.73	6.24	6.76	7.27	7.78
0.76	0.08	0.13	0.17	0.22	0.27	0.32	0.37	0.39	0.44	0.49	0.53	0.58	0.63	0.68	0.72
36	1.14	1.82	2.50	3.18	3.86	4.54	5.23	5.57	6.25	6.93	7.61	8.29	8.98	9.66	10.34
0.91	0.11	0.17	0.23	0.30	0.36	0.42	0.49	0.52	0.58	0.64	0.71	0.77	0.83	0.90	0.96
42	1.30	2.08	2.86	3.64	4.42	5.20	5.98	6.37	7.15	7.93	8.71	9.49	10.27	11.05	11.83
1.07	0.12	0.19	0.27	0.34	0.41	0.48	0.56	0.59	0.66	0.74	0.81	0.88	0.95	1.03	1.10
48	1.51	2.42	3.33	4.23	5.14	6.05	6.81	7.41	8.31	9.22	10.13	11.04	11.94	12.85	13.76
1.22	0.14	0.22	0.31	0.39	0.48	0.56	0.63	0.69	0.77	0.86	0.94	1.03	1.11	1.19	1.28
54	1.84	2.94	4.04	5.15	6.25	7.35	8.46	9.01	10.11	11.21	12.32	13.42	14.52	15.63	16.73
1.37	0.17	0.27	0.38	0.48	0.58	0.68	0.79	0.84	0.94	1.04	1.14	1.25	1.35	1.45	1.55
60	1.95	3.12	4.29	5.46	6.63	7.81	8.98	9.56	10.73	11.90	13.07	14.24	15.42	16.59	17.76
1.52	0.18	0.29	0.40	0.51	0.62	0.73	0.83	0.89	1.00	1.11	1.21	1.32	1.43	1.54	1.65
66	2.17	3.47	4.77	6.07	7.36	8.66	9.96	10.61	11.91	13.21	14.51	15.81	17.11	18.41	19.71
1.68	0.20	0.32	0.44	0.56	0.68	0.80	0.93	0.99	1.11	1.23	1.35	1.47	1.59	1.71	1.83
72	2.49	3.99	5.49	6.98	8.48	9.98	11.47	12.22	13.72	15.21	16.71	18.20	19.70	21.20	22.69
1.83	0.23	0.37	0.51	0.65	0.79	0.93	1.07	1.14	1.28	1.41	1.55	1.69	1.83	1.97	2.11
78	2.68	4.29	5.90	7.51	9.12	10.73	12.34	13.15	14.76	16.37	17.98	19.59	21.20	22.81	24.42
1.98	0.25	0.40	0.55	0.70	0.85	1.00	1.15	1.22	1.37	1.52	1.67	1.82	1.97	2.12	2.27
84	2.82	4.51	6.21	7.90	9.59	11.29	12.98	13.82	15.52	17.21	18.90	20.60	22.29	23.98	25.67
2.13	0.26	0.42	0.58	0.73	0.89	1.05	1.21	1.28	1.44	1.60	1.76	1.91	2.07	2.23	2.39
90	3.15	5.04	6.93	8.82	10.71	12.60	14.49	15.43	17.32	19.21	21.10	22.99	24.88	26.77	28.66
2.29	0.29	0.47	0.64	0.82	1.00	1.17	1.35	1.43	1.61	1.79	1.96	2.14	2.31	2.49	2.66
96	3.34	5.34	7.35	9.35	11.35	13.36	15.36	16.36	18.36	20.37	22.37	24.37	26.38	28.38	30.38
2.44	0.31	0.50	0.68	0.87	1.05	1.24	1.43	1.52	1.71	1.89	2.08	2.26	2.45	2.64	2.82



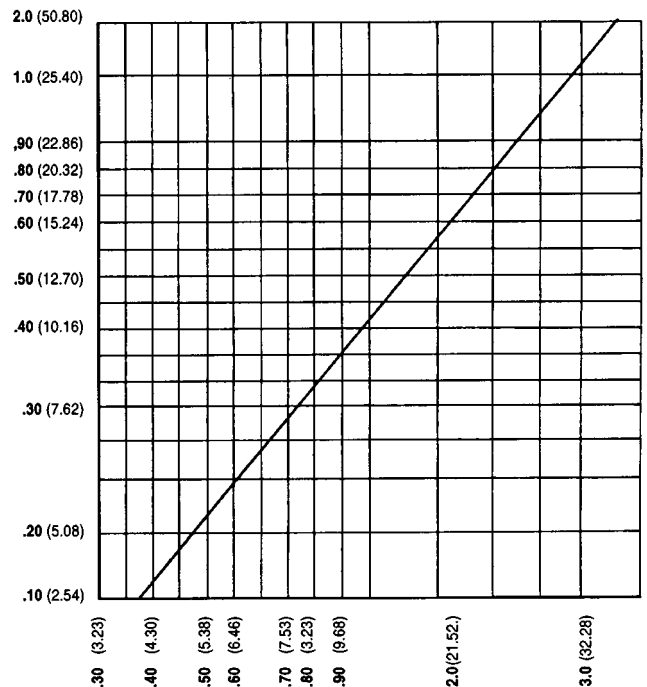
Ruskin Manufacturing Company certifies that the ELC6375D Louvers shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to air performance and water penetration ratings.

PRESSURE DROP

RESISTANCE TO AIR FLOW



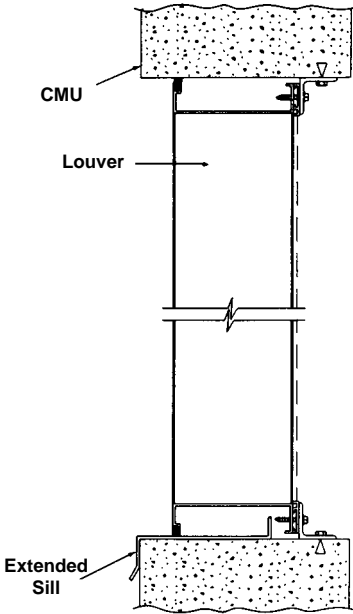
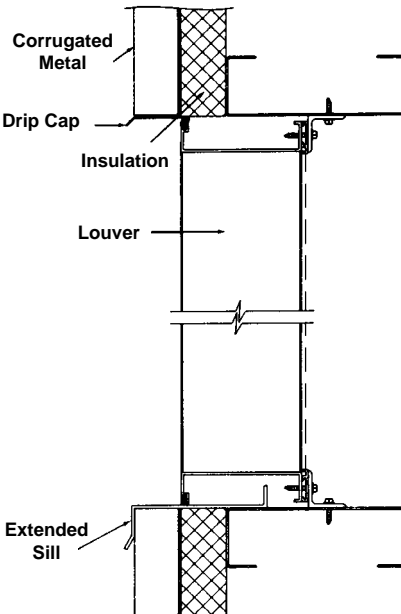
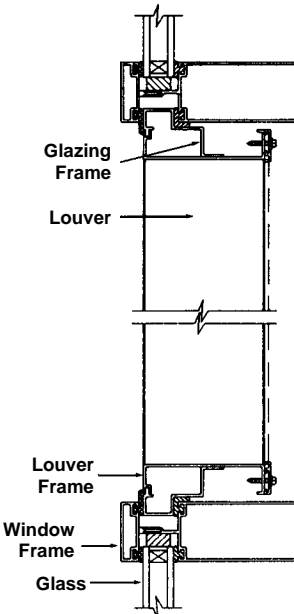
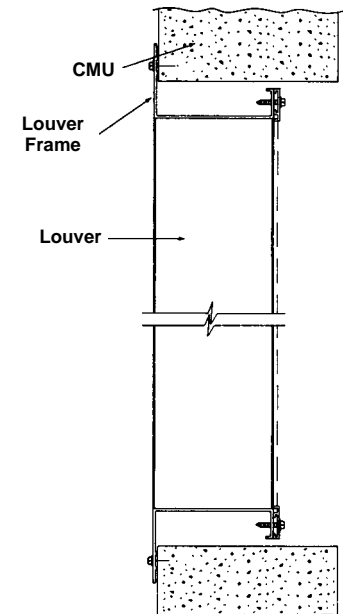
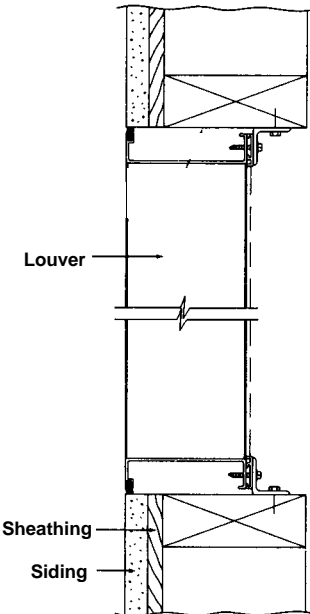
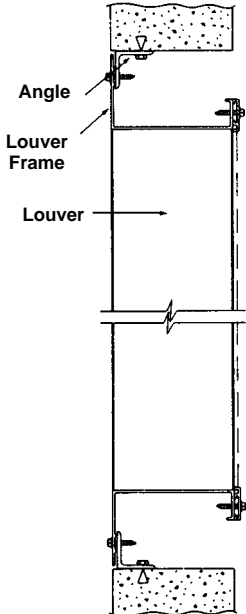
AIR LEAKAGE WITH DAMPER SECTION CLOSED



The AMCA Certified Ratings Seal applies to air performance and water penetration ratings only.

Ratings do not include the effect of a bird screen.

TYPICAL INSTALLATION DETAILS

Masonry Wall	Metal Panel Wall	Glazing Frame
 <p>CMU</p> <p>Louver</p> <p>Extended Sill</p>	 <p>Corrugated Metal</p> <p>Drip Cap</p> <p>Insulation</p> <p>Louver</p> <p>Extended Sill</p>	 <p>Glazing Frame</p> <p>Louver</p> <p>Louver Frame</p> <p>Window Frame</p> <p>Glass</p>
Flange Mount	Wood Installation	Angle Subframe
 <p>CMU</p> <p>Louver Frame</p> <p>Louver</p>	 <p>Louver</p> <p>Sheathing</p> <p>Siding</p>	 <p>Angle</p> <p>Louver Frame</p> <p>Louver</p>

Accessories at additional cost.