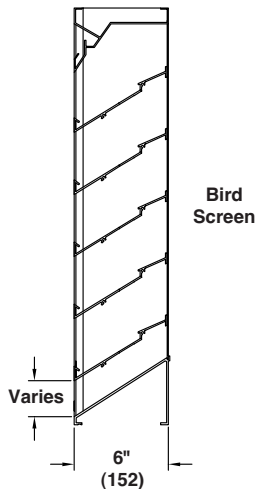
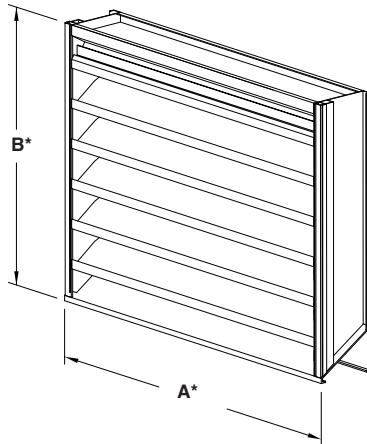




1300 ENTERPRISE ROAD GENEVA, ALABAMA 36340-0580 800-239-4621 FAX 1-800-508-1469 www.reliablelouvers.com

6350DS DRAINABLE STATIONARY LOUVER

EXTRUDED ALUMINUM



STANDARD CONSTRUCTION

FRAME

6" (152) deep, 6063T6 extruded aluminum with .125" (3.2) nominal wall thickness. Downspouts and caulking surfaces provided.

BLADES

6063T5 extruded aluminum with .081" (2.1) nominal wall thickness. Drainable blades are positioned at 35° angle and spaced approximately 4" (102) 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

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

APPROXIMATE SHIPPING WEIGHT

6 lbs. per sq. ft. (29.3 kg per m²).

MAXIMUM FACTORY ASSEMBLY SIZE

Single sections shall not 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 Reliable for additional information.

FEATURES

The 6350DS offers:

- 61.8% Free Area.
- Beginning point of water penetration above 1,250 fpm free area velocity.
- 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.
- Drain gutter in each blade minimizes water cascade between blades.
- Continuous blades up to 120" (3048).
- All aluminum construction for low maintenance and high resistance to corrosion.

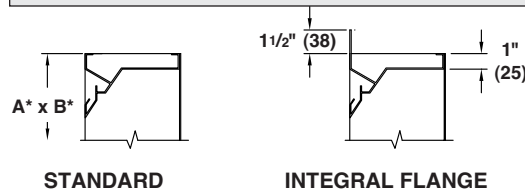
VARIATIONS

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: prime coat, baked enamel (modified fluoropolymer), epoxy, Pearldize 50 & 70, Kynar, clear and color anodize. (Some variation in anodize color consistency is possible).

Consult Reliable for other special requirements.

FRAME CONSTRUCTION

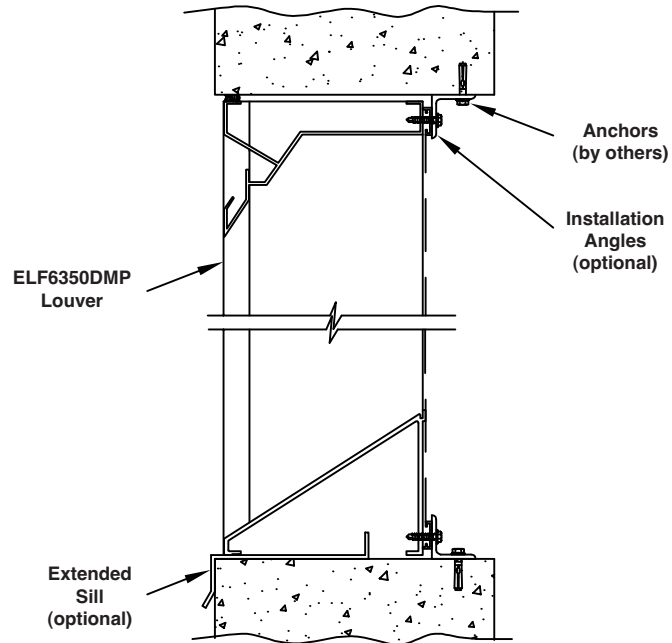


Dimensions in inches, parenthesis () indicate millimeters.

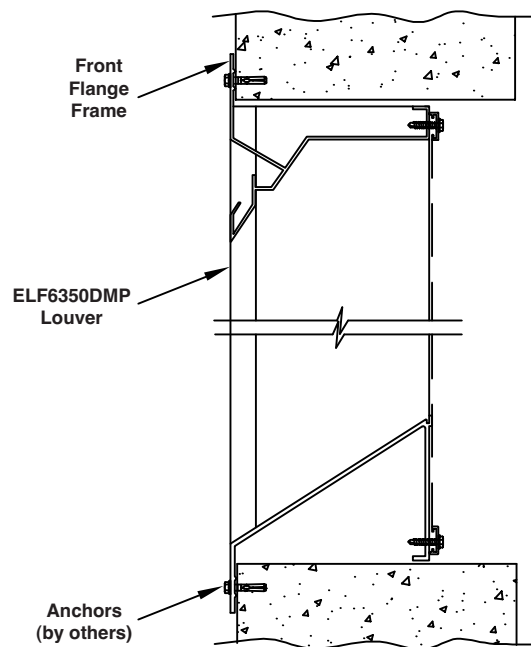
TAG	QTY.	SIZE		FRAME	VARIATIONS
		A*-WIDE	B*-HIGH		
PROJECT ARCH./ENGR. REPRESENTATIVE			LOCATION CONTRACTOR DATE		

FRAME CONSTRUCTION

**Standard
Frame**



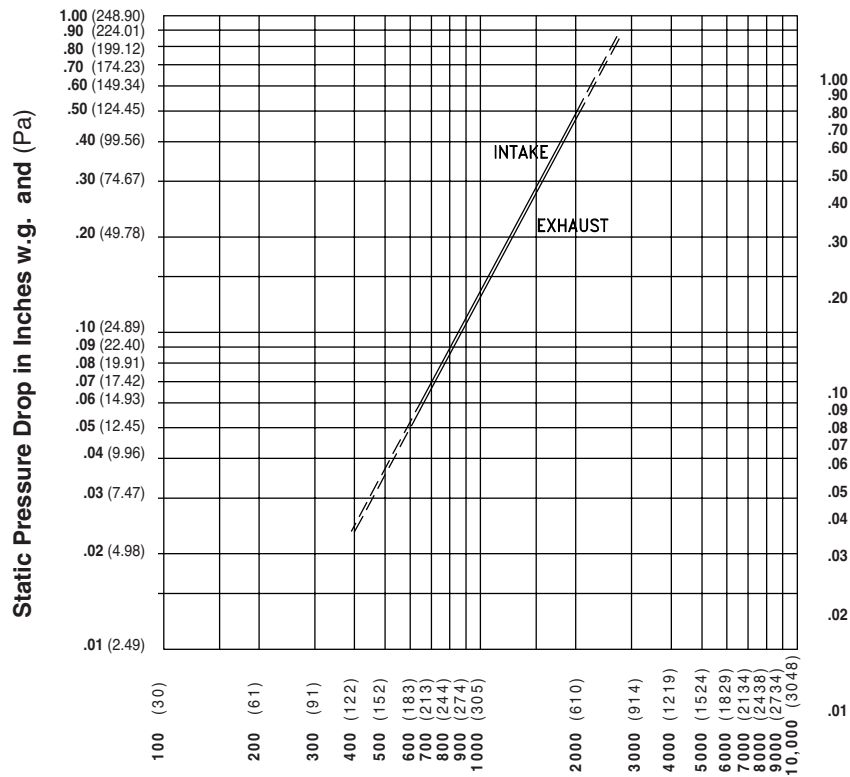
**Flange
Frame**



Optional items are available at additional cost. Anchors or other fasteners securing installation angles to substrate are by others.

PRESSURE DROP

RELIABLE
6350DS



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

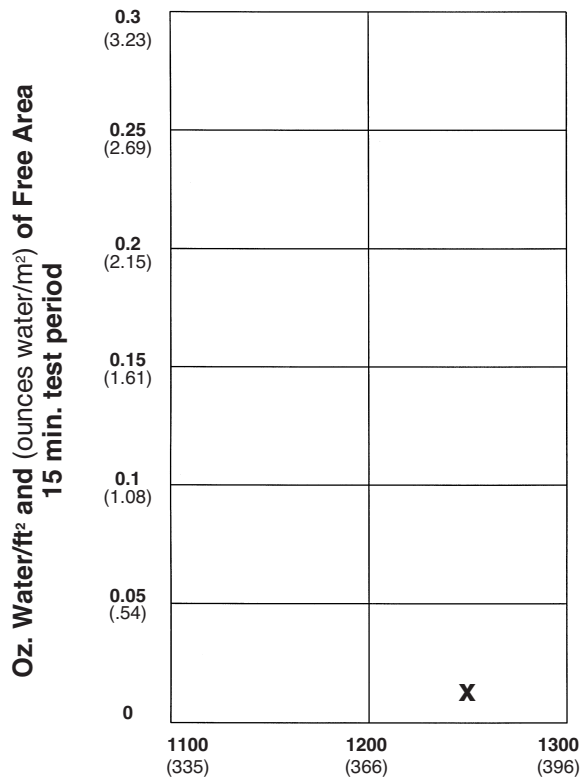
Notes:

1. Data corrected to standard air density.
2. Tested to AMCA Figure 5.5.

WATER PENETRATION GRAPH

Test size 48" wide x 48" high (1219 x 1219)

Beginning point of water penetration at .01 oz./sq. ft. is 1250 fpm (381 m/min).



Reliable Products certifies that the 6350DS 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.

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

SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be stationary drainable type with drain gutters in each blade and downspouts in jambs and mullions. Louvers shall have a minimum of 58% free area based on a 48" wide x 48" high (1219 x 1219) size. Stationary drainable blades shall be contained within a 6" (152) 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 span between visible mullions to 10 feet (3) and shall incorporate 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 Reliable Model 6350DS extruded 6063T6 aluminum alloy construction as follows:

- Frame: 6" (152) deep,
6350DS - .125" (3.2) wall thickness.
- Blades: 6350DS .081" (2.1) wall thickness. Drainable blades positioned at 37 1/2° angle and spaced approximately 4" (102) center to center.
- Screen: 5/8" x .040" (16 x 1) expanded, flattened aluminum in removable frame.
- Finish: Select finish specification from Reliable 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 Reliable 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.

FREE AREA GUIDE

Free Area Guide shows free area in ft² and m² for various sizes of 6350DS.

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	0.30	0.23	0.40	0.74	0.91	1.26	1.43	1.77	1.94	2.29	2.46	2.80	2.97	3.32	3.49	3.83	4.01	4.35	4.52	4.86
		0.02	0.04	0.07	0.08	0.12	0.13	0.16	0.18	0.21	0.23	0.26	0.28	0.31	0.32	0.36	0.37	0.40	0.42	0.45
18	0.46	0.39	0.68	1.26	1.56	2.14	2.44	3.02	3.32	3.90	4.20	4.78	5.07	5.66	5.95	6.54	6.83	7.42	7.71	8.30
		0.04	0.06	0.12	0.14	0.20	0.23	0.28	0.31	0.36	0.39	0.44	0.47	0.53	0.55	0.61	0.64	0.69	0.72	0.77
24	0.61	0.55	0.96	1.79	2.20	3.03	3.45	4.27	4.69	5.52	5.93	6.76	7.17	8.00	8.42	9.25	9.66	10.49	10.90	11.73
		0.05	0.09	0.17	0.20	0.28	0.32	0.40	0.44	0.51	0.55	0.63	0.67	0.74	0.78	0.86	0.90	0.98	1.01	1.09
30	0.76	0.71	1.24	2.31	2.85	3.92	4.45	5.52	6.06	7.13	7.67	8.74	9.27	10.34	10.88	11.95	12.49	13.56	14.09	15.16
		0.07	0.12	0.21	0.26	0.36	0.41	0.51	0.56	0.66	0.71	0.81	0.86	0.96	1.01	1.11	1.16	1.26	1.31	1.41
36	0.91	0.86	1.52	2.83	3.49	4.81	5.46	6.78	7.43	8.75	9.40	10.72	11.37	12.69	13.34	14.66	15.31	16.63	17.28	18.60
		0.08	0.14	0.26	0.32	0.45	0.51	0.63	0.69	0.81	0.87	1.00	1.06	1.18	1.24	1.36	1.42	1.55	1.61	1.73
42	1.07	1.02	1.80	3.36	4.14	5.69	6.47	8.03	8.80	10.36	11.14	12.69	13.47	15.03	15.81	17.36	18.14	19.70	20.47	22.03
		0.10	0.17	0.31	0.38	0.53	0.60	0.75	0.82	0.96	1.04	1.18	1.25	1.40	1.47	1.61	1.69	1.83	1.90	2.05
48	1.22	1.18	2.08	3.88	4.78	6.58	7.48	9.28	10.18	11.98	12.87	14.67	15.57	17.37	18.27	20.07	20.97	22.77	23.67	25.46
		0.11	0.19	0.36	0.44	0.61	0.70	0.86	0.95	1.11	1.20	1.36	1.45	1.62	1.70	1.87	1.95	2.12	2.20	2.37
54	1.37	1.34	2.36	4.41	5.43	7.47	8.49	10.53	11.55	13.59	14.61	16.65	17.67	19.71	20.73	22.77	23.79	25.84	26.86	28.90
		0.12	0.22	0.41	0.50	0.69	0.79	0.98	1.07	1.26	1.36	1.55	1.64	1.83	1.93	2.12	2.21	2.40	2.50	2.69
60	1.52	1.50	2.64	4.93	6.07	8.35	9.50	11.78	12.92	15.20	16.35	18.63	19.77	22.06	23.20	25.48	26.62	28.91	30.05	32.33
		0.14	0.25	0.46	0.56	0.78	0.88	1.10	1.20	1.41	1.52	1.73	1.84	2.05	2.16	2.37	2.48	2.69	2.79	3.01
66	1.68	1.66	2.93	5.45	6.71	9.24	10.50	13.03	14.29	16.82	18.08	20.61	21.87	24.40	25.66	28.19	29.45	31.98	33.24	35.76
		0.15	0.27	0.51	0.62	0.86	0.98	1.21	1.33	1.56	1.68	1.92	2.03	2.27	2.39	2.62	2.74	2.97	3.09	3.33
72	1.83	1.82	3.21	5.98	7.36	10.13	11.51	14.28	15.67	18.43	19.82	22.59	23.97	26.74	28.12	30.89	32.28	35.04	36.43	39.20
		0.17	0.30	0.56	0.68	0.94	1.07	1.33	1.46	1.71	1.84	2.10	2.23	2.49	2.62	2.87	3.00	3.26	3.39	3.65
78	1.98	1.98	3.49	6.50	8.00	11.02	12.52	15.53	17.04	20.05	21.55	24.56	26.07	29.08	30.59	33.60	35.10	38.11	39.62	42.63
		0.18	0.32	0.60	0.74	1.02	1.16	1.44	1.58	1.86	2.00	2.28	2.42	2.70	2.84	3.12	3.26	3.54	3.68	3.96
84	2.13	2.14	3.77	7.02	8.65	11.90	13.53	16.78	18.41	21.66	23.29	26.54	28.17	31.42	33.05	36.30	37.93	41.18	42.81	46.06
		0.20	0.35	0.65	0.80	1.11	1.26	1.56	1.71	2.01	2.17	2.47	2.62	2.92	3.07	3.38	3.53	3.83	3.98	4.28
90	2.29	2.30	4.05	7.55	9.29	12.79	14.54	18.03	19.78	23.28	25.03	28.52	30.27	33.77	35.51	39.01	40.76	44.25	46.00	49.50
		0.21	0.38	0.70	0.86	1.19	1.35	1.68	1.84	2.16	2.33	2.65	2.82	3.14	3.30	3.63	3.79	4.12	4.28	4.60
96	2.44	2.46	4.33	8.07	9.94	13.68	15.55	19.28	21.15	24.89	26.76	30.50	32.37	36.11	37.98	41.72	43.58	47.32	49.19	52.93
		0.229	0.403	0.75	0.92	1.27	1.45	1.79	1.97	2.31	2.49	2.84	3.01	3.36	3.53	3.88	4.05	4.40	4.57	4.92