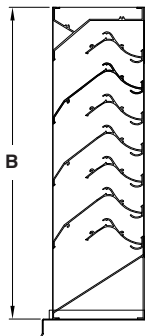
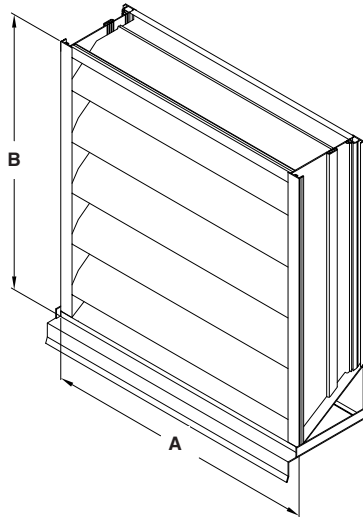




## 7375WR WIND-DRIVEN RAIN RESISTANT STATIONARY LOUVER

### EXTRUDED ALUMINUM



#### STANDARD CONSTRUCTION

##### FRAME

Single frame design produced from 6063T6 extruded aluminum with .080" (2.1) nominal wall thickness. Frame depth is 7" (178).

##### BLADES

Sight-proof double blade design produced from 6063T6 extruded aluminum with .080" (2.1) nominal wall thickness. Blades are 7" (178) deep, positioned at 37 1/2" angle and spaced at approximately 4 3/4" (121) center to center. Interior blades are 3" (76) deep and positioned at approximately 2 3/8" (60) center to center alternating with full depth blades.

##### 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.

##### EXTENDED SILL

.081" (2.1) formed aluminum with end dams. Not provided with front flange frame.

##### FINISH

Mill.

##### MINIMUM SIZE

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

##### APPROXIMATE SHIPPING WEIGHT

8 lbs. per sq. ft. (39 kg/m<sup>2</sup>)

##### MAXIMUM FACTORY ASSEMBLY SIZE

Shall be 60 sq. ft. (3.5m<sup>2</sup>) per section, not to exceed 120" x 72"h (3048 x 1829) or 72"w x 120"h (1829 x 3048).

Louvers larger than the maximum single 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

- Two-piece horizontal alternating blade design. Provides protection from wind-driven rain penetration, reducing damage and additional operating expenses.
- 7" (102) deep exterior blades are continuous style without visible mullions.
- May be ordered without interior blades and frames at areas that are inactive or do not need wind-driven rain protection.
- Tested in the AMCA 500-L Wind-Driven Rain Penetration Test.
- Published performance ratings based on testing in accordance with AMCA Publication 500L.
- 45% Free Area.
- Aluminum construction for low maintenance and high resistance to corrosion.

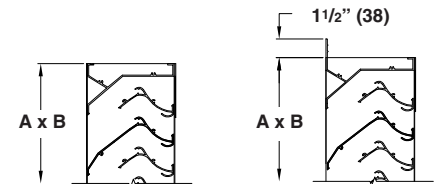
#### VARIATIONS

- Insulated or sheet blank-off panels
- Front or rear security bars.
- Filter racks.
- Installation angles.
- A variety of bird and insect screens.

##### Finishes:

- Prime coat.
- Baked enamel (modified fluoropolymer).
- Epoxy
- Pearledize 50 & 70.
- Kynar.
- Clear and color anodize.

Consult Reliable for other special requirements.



STANDARD

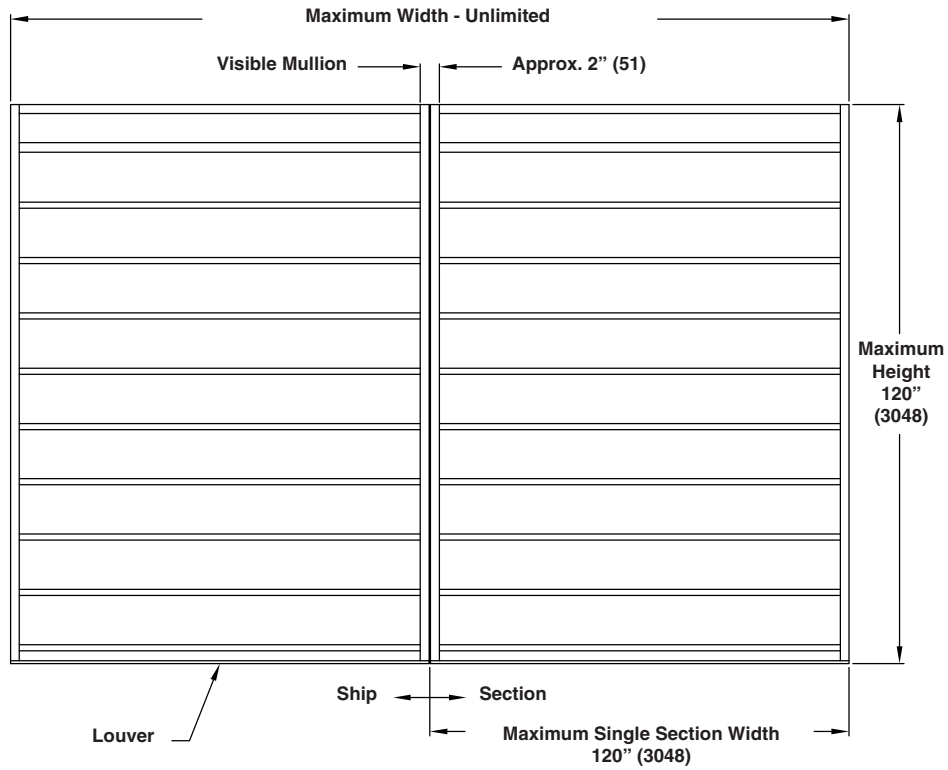
INTEGRAL FLANGE

Dimensions in inches, parenthesis ( ) indicate millimeters.

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

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

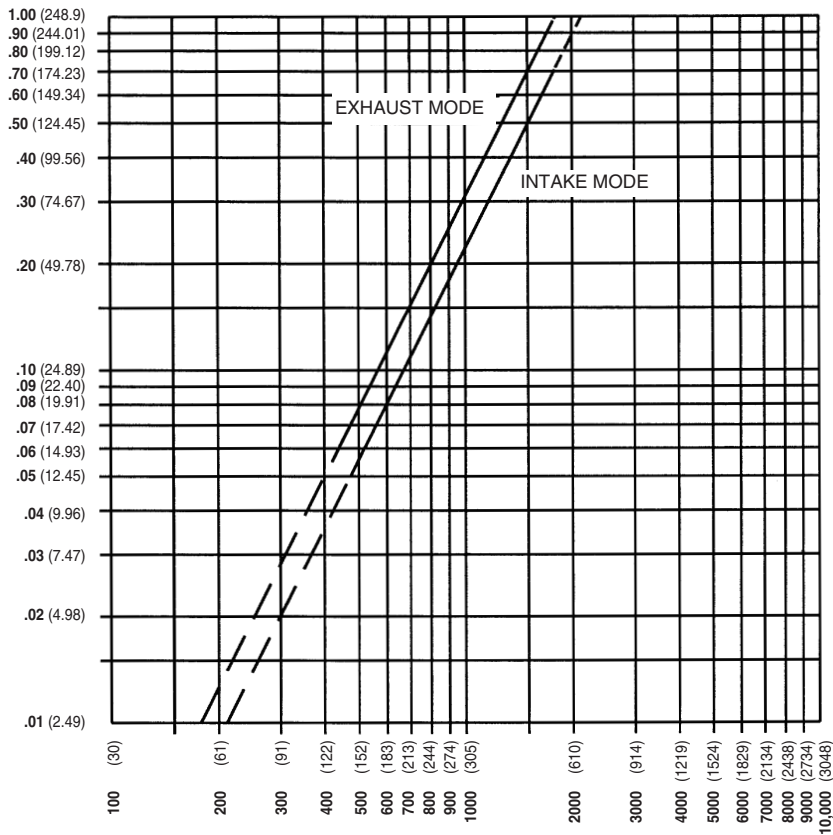
## TYPICAL INSTALLATION DETAILS



1. Reference separate installation instruction sheets for installation details. It is the responsibility of the installing contractor to properly install the louvers per the appropriate detail.

2. Louvers wider than the maximum single section width will be shipped in multiple sections and will require field assembly. Field assembly is not by Reliable.

**PRESSURE DROP**

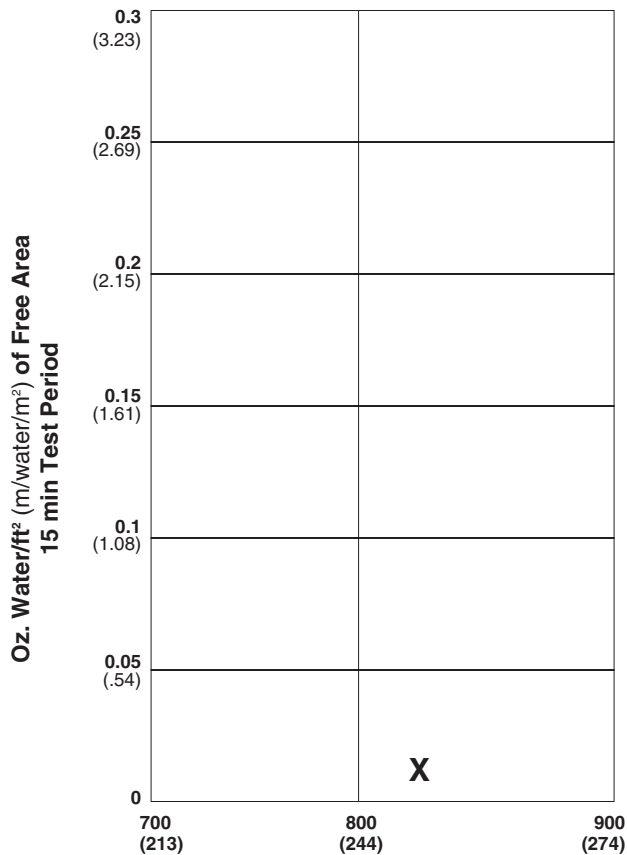


Ratings do not include the effect of a bird screen.

**WATER PENETRATION GRAPH**

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

Beginning point of water penetration at .01 oz./sq. ft. is 815 fpm (248 m/min.)



Reliable Products certifies that the louver shown herein is 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 wind driven rain ratings only.

**WIND-DRIVEN RAIN PERFORMANCE**

Test size is 1m x 1m (39" x 39") core area, 1.04m x 1.12m (41" x 44") nominal. Free Area of test louver is 5.35 ft<sup>2</sup> (.50m<sup>2</sup>).

**29 mph (47 kph) wind & 3" (76) per hour rain conditions**

Core Velocity <sub>1</sub> fpm (m/s)	Airflow cfm (m <sup>3</sup> /min)	Free Area Velocity <sub>2</sub> fpm (m/sec.)	Effectiveness Ratio	Class <sub>3</sub>
0 (0)	0 (0)	0 (0)	99.9%	A
0 (0)	0 (0)	0 (0)	99.9%	A
198 (1.0)	2129 (603)	398 (2.0)	99.8%	A
284 (1.4)	3060 (86.7)	572 (2.9)	99.7%	A
370 (1.9)	3988 (113.0)	745 (3.8)	99.3%	A
468 (2.4)	5042 (142.8)	942 (4.8)	97.5%	B
605 (3.1)	6513 (184.4)	1217 (6.2)	79.2%	D
681 (3.5)	7335 (207.7)	1371 (7.0)	45.4%	D

**50 mph (80 kph) wind & 8" (203) per hour rain conditions**

Core Velocity <sub>1</sub> fpm (m/s)	Airflow cfm (m <sup>3</sup> /min)	Free Area Velocity <sub>2</sub> fpm (m/sec.)	Effectiveness Ratio	Class <sub>3</sub>
0 (0)	0 (0)	0 (0)	95.7%	B
99	1066	199	94.2%	C
191	2051	383	92.3%	C
279	3001	561	90.1%	C
400	4309	805	86.5%	C
505	5435	1016	82.3%	C
561	6041	1129	78.0%	D
672	7239	1353	65.0%	D

**NOTES**

- Core area is the open area of the louver face (face area less louver frames). Core Velocity is the airflow velocity through the Core Area of the louver (1m x 1m).
- Free Area of test size is calculated per AMCA standard 500-L.
- Wind Driven Rain Penetration Classes:

Class	Effectiveness
A	1 to .99
B	0.989 to 0.95
C	0.949 to 0.80
D	Below 0.8

- Intake Discharge Loss Class 3

Discharge Loss Coefficient is calculated by dividing a louvers' actual airflow rate vs. a theoretical airflow for the opening. It provides an indication of the louvers' airflow characteristics.

Discharge Loss Classes:

**Class Discharge Loss Coefficient**

- 0.4 and above
- 0.3 to 0.399
- 0.2 to 0.299
- 0.199 and below

(The higher the coefficient, the less resistance to airflow.)

- The AMCA Wind Driven Rain Test is performed in a laboratory environment and incorporates controlled wind, water and system airflow effects. In actual field installations, storms may create conditions not considered by the AMCA test. Penthouse and similar applications where wind can pass through multiple louvers in an enclosure is another condition that is not simulated by AMCA tests. These applications can create elevated water penetration rates through any louver. Because of these uncontrolled situations, it is recommended that provisions to manage water penetration through louvers be included in the building design.

**FREE AREA GUIDE**

Free Area Guide shows free area in ft<sup>2</sup> and m<sup>2</sup> for various sizes of 7375WR.  
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	0.14	0.23	0.32	0.41	0.50	0.59	0.67	0.76	0.85	0.94	1.03	1.12	1.21	1.29	1.38	1.47	1.56	1.65	1.74
0.30	0.01	0.02	0.03	0.04	0.05	0.05	0.06	0.07	0.08	0.09	0.10	0.10	0.11	0.12	0.13	0.14	0.15	0.15	0.16
18	0.46	0.75	1.04	1.32	1.61	1.90	2.19	2.47	2.76	3.05	3.34	3.62	3.91	4.20	4.48	4.77	5.06	5.35	5.63
0.46	0.04	0.07	0.10	0.12	0.15	0.18	0.20	0.23	0.26	0.28	0.31	0.34	0.36	0.39	0.42	0.44	0.47	0.50	0.52
24	0.60	0.97	1.35	1.72	2.09	2.47	2.84	3.22	3.59	3.96	4.34	4.71	5.08	5.46	5.83	6.20	6.58	6.95	7.33
0.61	0.06	0.09	0.13	0.16	0.19	0.23	0.26	0.30	0.33	0.37	0.40	0.44	0.47	0.51	0.54	0.58	0.61	0.65	0.68
30	0.92	1.49	2.06	2.64	3.21	3.78	4.35	4.93	5.50	6.07	6.64	7.22	7.79	8.36	8.93	9.50	10.08	10.65	11.22
0.76	0.09	0.14	0.19	0.25	0.30	0.35	0.40	0.46	0.51	0.56	0.62	0.67	0.72	0.78	0.83	0.88	0.94	0.99	1.04
36	1.06	1.72	2.37	3.03	3.69	4.35	5.01	5.67	6.33	6.98	7.64	8.30	8.96	9.62	10.28	10.94	11.60	12.25	12.91
0.91	0.10	0.16	0.22	0.28	0.34	0.40	0.47	0.53	0.59	0.65	0.71	0.77	0.83	0.89	0.96	1.02	1.08	1.14	1.20
42	1.38	2.23	3.09	3.95	4.81	5.66	6.52	7.38	8.24	9.09	9.95	10.81	11.66	12.52	13.38	14.24	15.09	15.95	16.81
1.07	0.13	0.21	0.29	0.37	0.45	0.53	0.61	0.69	0.77	0.85	0.93	1.01	1.08	1.16	1.24	1.32	1.40	1.48	1.56
48	1.51	2.46	3.40	4.34	5.29	6.23	7.18	8.12	9.06	10.01	10.95	11.89	12.84	13.78	14.73	15.67	16.61	17.56	18.50
1.22	0.14	0.23	0.32	0.40	0.49	0.58	0.67	0.76	0.84	0.93	1.02	1.11	1.19	1.28	1.37	1.46	1.55	1.63	1.72
54	1.65	2.68	3.71	4.74	5.77	6.80	7.83	8.86	9.89	10.92	11.95	12.98	14.01	15.04	16.07	17.10	18.13	19.16	20.19
1.37	0.15	0.25	0.35	0.44	0.54	0.63	0.73	0.82	0.92	1.02	1.11	1.21	1.30	1.40	1.49	1.59	1.69	1.78	1.88
60	1.97	3.20	4.43	5.66	6.89	8.11	9.34	10.57	11.80	13.03	14.26	15.49	16.72	17.94	19.17	20.40	21.63	22.86	24.09
1.52	0.18	0.30	0.41	0.53	0.64	0.75	0.87	0.98	1.10	1.21	1.33	1.44	1.55	1.67	1.78	1.90	2.01	2.13	2.24
66	2.11	3.42	4.74	6.05	7.37	8.68	10.00	11.31	12.63	13.94	15.26	16.57	17.89	19.20	20.52	21.83	23.15	24.46	25.78
1.68	0.20	0.32	0.44	0.56	0.69	0.81	0.93	1.05	1.17	1.30	1.42	1.54	1.66	1.79	1.91	2.03	2.15	2.28	2.40
72	2.43	3.94	5.46	6.97	8.48	10.00	11.51	13.02	14.54	16.05	17.57	19.08	20.59	22.11	23.62	25.13	26.65	28.16	29.68
1.83	0.23	0.37	0.51	0.65	0.79	0.93	1.07	1.21	1.35	1.49	1.63	1.77	1.92	2.06	2.20	2.34	2.48	2.62	2.76
78	2.57	4.17	5.77	7.37	8.97	10.57	12.17	13.77	15.37	16.97	18.57	20.17	21.77	23.37	24.97	26.57	28.17	29.77	31.37
1.98	0.24	0.39	0.54	0.69	0.83	0.98	1.13	1.28	1.43	1.58	1.73	1.88	2.02	2.17	2.32	2.47	2.62	2.77	2.92
84	2.89	4.68	6.48	8.28	10.08	11.88	13.68	15.48	17.28	19.07	20.87	22.67	24.47	26.27	28.07	29.87	31.67	33.46	35.26
2.13	0.27	0.44	0.60	0.77	0.94	1.10	1.27	1.44	1.61	1.77	1.94	2.11	2.28	2.44	2.61	2.78	2.94	3.11	3.28
90	3.02	4.91	6.79	8.68	10.56	12.45	14.33	16.22	18.10	19.99	21.87	23.76	25.64	27.53	29.41	31.30	33.18	35.07	36.95
2.29	0.28	0.46	0.63	0.81	0.98	1.16	1.33	1.51	1.68	1.86	2.03	2.21	2.38	2.56	2.74	2.91	3.09	3.26	3.44