

## L330 STATIONARY LOUVER FORMED STEEL

### STANDARD CONSTRUCTION

#### FRAME

16 (1.6) gage galvanized steel frame depth is 4" (102).

#### BLADES

18 (1.2) gage galvanized steel, J-style blades (formerly "weatherproof") positioned at 30° angle and spaced approximately 4" (102) center to center.

#### SCREEN

19 gage galvanized, 1/2" mesh screen in removable frame. Screen adds approximately 1/2" to louver depth.

#### FINISH

Mill.

#### MINIMUM SIZE

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

#### MAXIMUM FACTORY ASSEMBLY SIZE

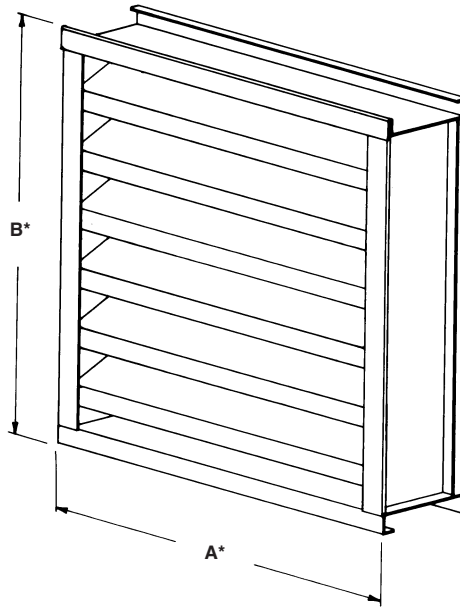
60 sq. ft. (5.6m<sup>2</sup>) per section not to exceed 120" x 72" (3048 x 1829) or 72" x 120" (1829 x 3048).

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 wind-load.

Dimensions in parenthesis ( ) indicate millimeters.



### FEATURES

The L330 offers:

- High free area, low pressure drop.
- Economical galvanized steel construction.

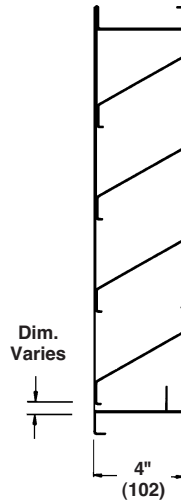
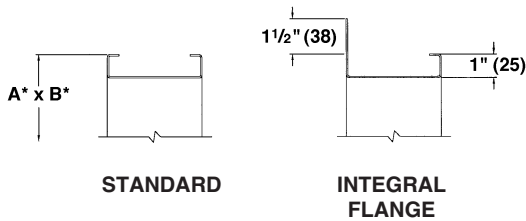
### VARIATIONS

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, Peardezide and prime coat.

Consult Ruskin for other special requirements.

### FRAME CONSTRUCTION



Dimensions in parenthesis ( ) indicate millimeters.

\*Units furnished 1/4" (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 stationary type entirely contained within a 4" 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 6 feet and shall incorporate structural supports required to withstand a wind load of 20 lbs. per sq. ft. (.96kPa) (specifier may substitute any loading required).

Louvers shall be architectural style with continuous appearing stationary blades – intermediate support mullions shall not interrupt blade appearance when viewed from outside of louver.

Louvers shall be Ruskin Model L330 construction as follows:

Frame: 16 gage galvanized steel.

Blades: 18 gage galvanized steel at 30° angle on approximately 4" (102) centers.

Screen: 1/2" mesh x 19 gage galvanized in removable frame.

Louver shall receive Kynar finish color coating applied following a thorough cleaning, pretreatment and prime coating of the galvanized steel. Cleaning shall include complete submersion in an acid cleaner, an alkali cleaner, an acid deoxidation, an amorphous chrome phosphate conversion coating and an acidulated final rinse. Steel shall be dried before application of primer coat. Dry film thickness of the primer coat shall be approximately 0.3 mil after baking at 350°F, for 10 to 15 minutes and cooled at ambient temperature. Kynar top coat shall be applied to provide a final dry film thickness of approximately 1.2 mils when baked at 450°F, for 10 minutes. Color shall be selected from manufacturer's standard color chart.

## PERFORMANCE DATA

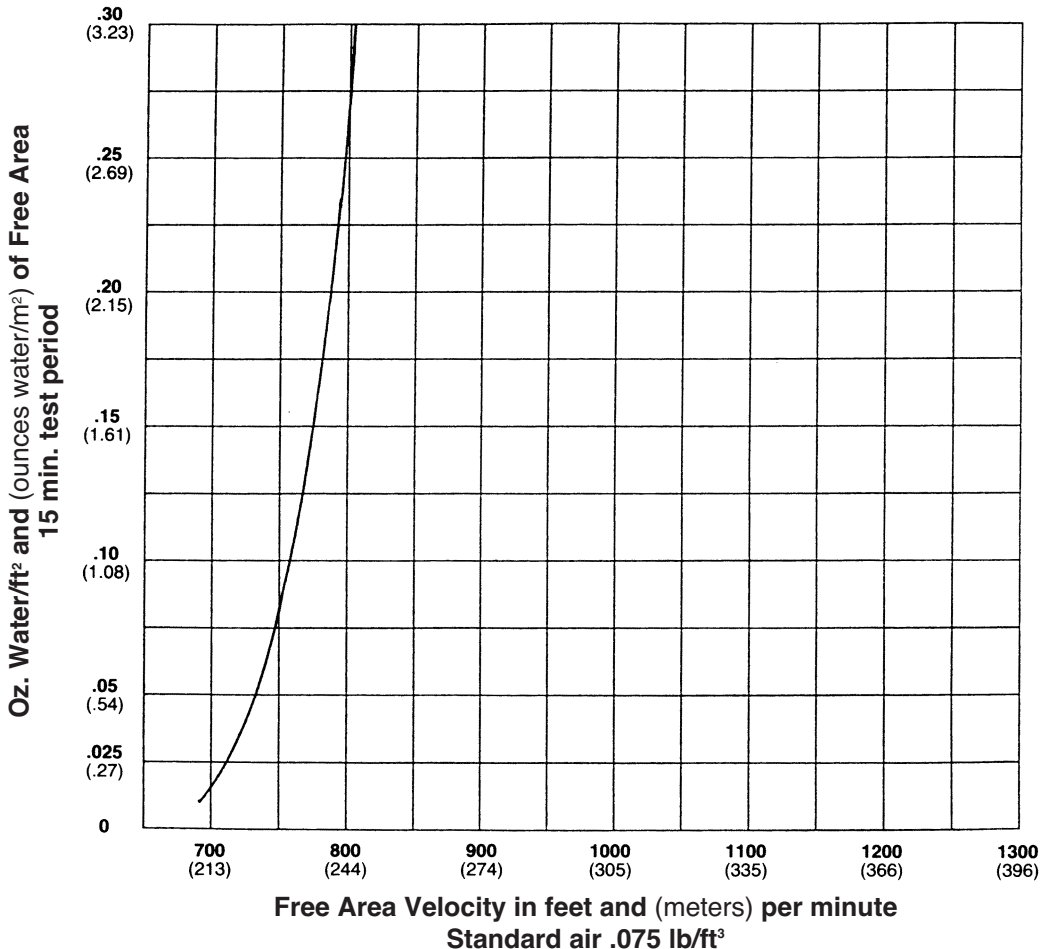
AMCA Standard 500 provides a reasonable basis for testing and rating louvers. Testing to AMCA 500 is performed under a certain set of laboratory conditions. This does not guarantee that other conditions will not occur in the actual environment where louvers must operate.

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" wide x 48" high (1219 x 1219)

Beginning point of water penetration at .01 oz./sq. ft. is 674 fpm (205 m/min).



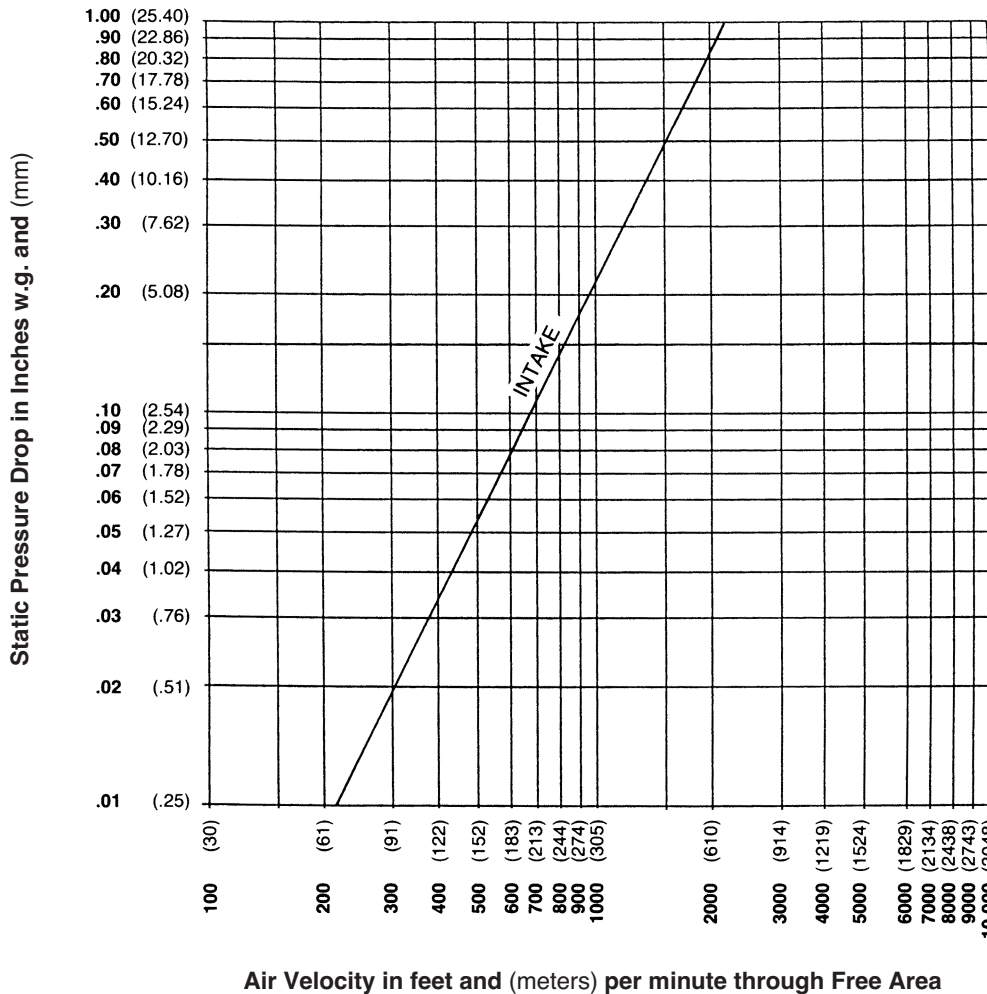
# FREE AREA GUIDE

Free Area Guide shows free area in ft<sup>2</sup> and m<sup>2</sup> for various sizes of L330.

Width – Inches and Meters

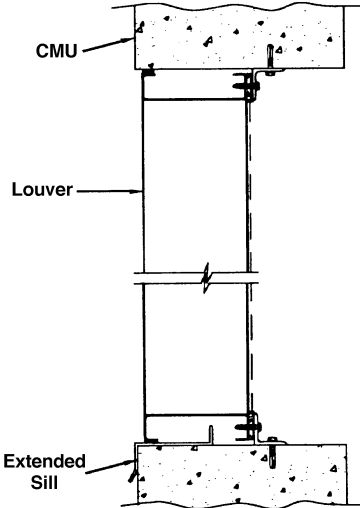
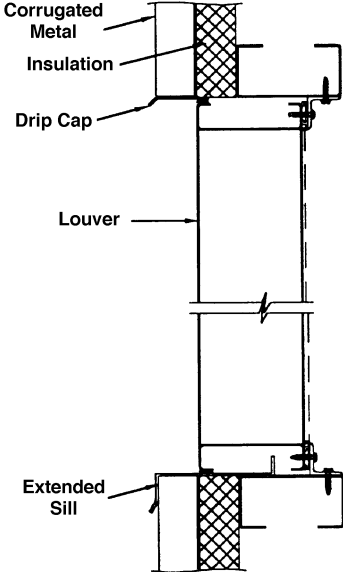
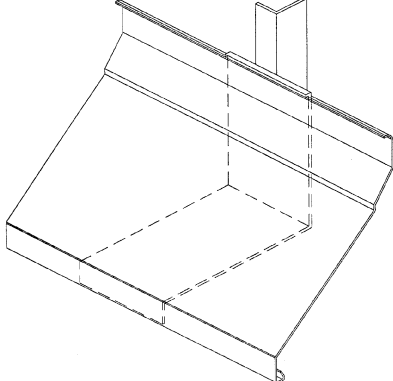
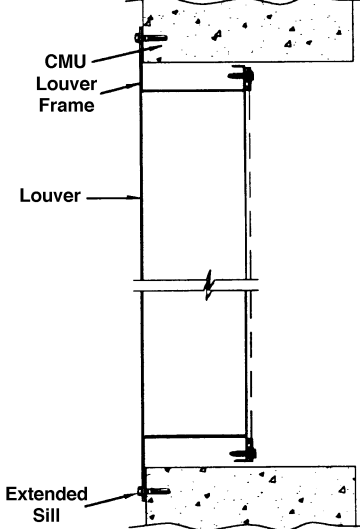
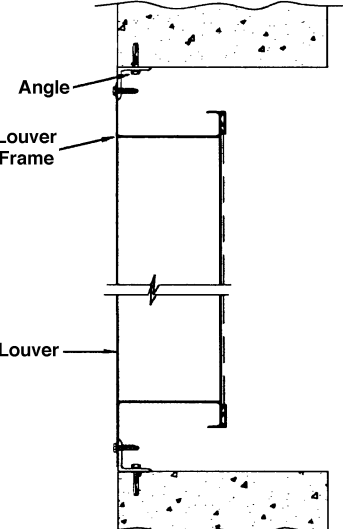
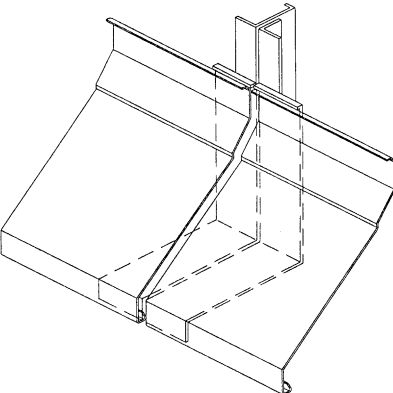
	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
	.30	.46	.61	.76	.91	1.07	1.22	1.37	1.52	1.68	1.83	1.98	2.13	2.29	2.44
12	.24	.39	.53	.68	.82	.96	1.11	1.25	1.40	1.54	1.69	1.83	1.98	2.12	2.27
.30	.02	.04	.05	.06	.08	.09	.10	.12	.13	.14	.16	.17	.18	.20	.21
18	.54	.86	1.18	1.50	1.83	2.15	2.47	2.79	3.11	3.44	3.76	4.08	4.40	4.73	5.05
.46	.05	.08	.11	.14	.17	.20	.23	.26	.29	.32	.35	.38	.41	.44	.47
24	.78	1.24	1.71	2.18	2.65	3.11	3.58	4.05	4.51	4.98	5.45	5.91	6.38	6.85	7.31
.61	.07	.12	.16	.20	.25	.29	.33	.38	.42	.46	.51	.55	.59	.64	.68
30	1.09	1.74	2.39	3.04	3.70	4.35	5.00	5.65	6.30	6.96	7.61	8.26	8.91	9.57	10.22
.76	.10	.16	.22	.28	.34	.40	.46	.52	.59	.65	.71	.77	.83	.89	.95
36	1.31	2.10	2.89	3.68	4.47	5.26	6.05	6.84	7.63	8.42	9.20	9.99	10.78	11.57	12.36
.91	.12	.20	.27	.34	.42	.49	.56	.64	.71	.78	.85	.93	1.00	1.07	1.15
42	1.64	2.62	3.60	4.58	5.57	6.55	7.53	8.51	9.49	10.48	11.46	12.44	13.42	14.41	15.39
1.07	.15	.24	.33	.43	.52	.61	.70	.79	.89	.97	1.06	1.16	1.25	1.34	1.43
48	1.85	2.96	4.07	5.18	6.30	7.41	8.52	9.63	10.74	11.85	12.96	14.07	15.18	16.30	17.41
1.22	.17	.27	.38	.48	.59	.69	.79	.89	1.00	1.10	1.20	1.31	1.41	1.51	1.62
54	2.19	3.50	4.81	6.12	7.44	8.75	10.06	11.37	12.68	14.00	15.31	16.62	17.93	19.25	20.56
1.37	.20	.33	.45	.57	.69	.81	.93	1.06	1.18	1.30	1.42	1.54	1.67	1.79	1.91
60	2.43	3.88	5.34	6.80	8.25	9.71	11.17	12.62	14.08	15.54	16.99	18.45	19.91	21.36	22.82
1.52	.23	.36	.50	.63	.77	.90	1.04	1.17	1.31	1.44	1.58	1.71	1.85	1.98	2.12
66	2.74	4.38	6.02	7.66	9.31	10.95	12.59	14.23	15.87	17.52	19.16	20.80	22.44	24.09	25.73
1.68	.25	.41	.56	.71	.86	1.02	1.17	1.32	1.47	1.63	1.78	1.93	2.08	2.24	2.39
72	2.98	4.76	6.55	8.33	10.12	11.90	13.69	15.47	17.26	19.04	20.83	22.61	24.40	26.19	27.97
1.83	.28	.44	.61	.77	.94	1.11	1.27	1.44	1.60	1.77	1.94	2.10	2.27	2.43	2.60
78	3.28	5.25	7.22	9.19	11.16	13.13	15.10	17.07	19.04	21.01	22.98	24.95	26.92	28.89	30.86
1.98	.30	.49	.67	.85	1.04	1.22	1.40	1.59	1.77	1.95	2.13	2.32	2.50	2.68	2.87
84	3.52	5.64	7.75	9.87	11.98	14.10	16.21	18.32	20.44	22.55	24.67	26.78	28.90	31.01	33.12
2.13	.33	.52	.72	.92	1.11	1.31	1.51	1.70	1.90	2.09	2.29	2.49	2.68	2.88	3.08
90	3.82	6.11	8.40	10.70	12.99	15.28	17.57	19.87	22.16	24.45	26.74	29.03	31.33	33.62	35.91
2.29	.35	.57	.78	.99	1.21	1.42	1.63	1.85	2.06	2.27	2.48	2.70	2.91	3.12	3.34
96	4.07	6.52	8.96	11.40	13.84	16.29	18.73	21.17	23.62	26.06	28.50	30.95	33.39	35.83	38.28
2.44	.38	.61	.83	1.06	1.29	1.51	1.74	1.97	2.19	2.42	2.65	2.88	3.10	3.33	3.56

## PRESSURE DROP



Ratings do not include the effect of a bird screen.

# TYPICAL INSTALLATION DETAILS

Masonry Wall	Metal Panel Wall	STANDARD CONSTRUCTION DETAILS
 <p>CMU</p> <p>Louver</p> <p>Extended Sill</p>	 <p>Corrugated Metal</p> <p>Insulation</p> <p>Drip Cap</p> <p>Louver</p> <p>Extended Sill</p>	 <p>Hidden Vertical Blade Support (HVBS)</p>
 <p>CMU</p> <p>Louver Frame</p> <p>Louver</p> <p>Extended Sill</p>	 <p>Angle</p> <p>Louver Frame</p> <p>Louver</p>	 <p>Continuous Blade Appearance at Multiple Section Junctions</p>