3900 Dr. Greaves Rd. • Kansas City, MO 64030 • (816) 761-7476 • FAX (816) 765-8955

ELF375DFL DRAINABLE STATIONARY LOUVER
EXTRUDED ALUMINUM LOUVER

UL LISTED FOR 50 PSF WINDLOAD **Florida Product Approval #FL11637**

STANDARD CONSTRUCTION

FRAME
4" (102) deep, 6063T5 extruded aluminum with .081" (2.1) nominal wall thickness. Downspouts and caulking slots provided.

BLADES
6063T5 extruded aluminum, .081" (2.1) nominal wall thickness. Drainable blades are positioned at 37 1/2° angle and spaced approximately 5 3/32" (129) 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.

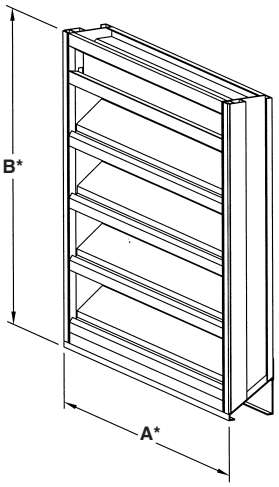
APPROXIMATE SHIPPING WEIGHT
6 lbs./ft.^{2} (29.3 kg/m^2).

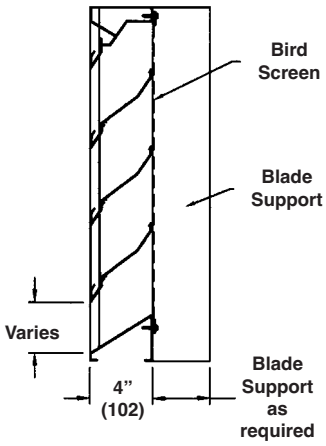
MINIMUM SIZE
12"w x 12"h (305 x 305).

MAXIMUM SIZE
Maximum single ship section size 90"w x 120"h (2286 x 3048) or 120"w x 90"h (3048 x 2286). Maximum field assembled size of ship sections is Visible mullions must be added when louvers exceed 120"w (3048). Single section heights only: **sections cannot be stacked in height**. Openings taller than the maximum louver height will need to be divided into multiple openings with suitable structural members. Structural members are not designed or provided by Ruskin.

INSTALLATION
The ELF375DFL must be installed per the appropriate installation detail. Reference the appropriate separate installation instruction sheets.

BLADE SUPPORTS
Factory installed on louvers over 30" (762) wide. Depth varies from 2" (51) to 6" (152) depending on louver size (consult Ruskin for more information).





UL CLASSIFIED as a Wind Resistive Building Component in accordance with ASTM E330-02 for ±50 psf (2.39 kPa) windload. UL File No. R22052.

FEATURES

- Meets 2007 Florida Building Code requirements for 50 psf windloads.
- Designed for 50PSF windload in ALL available sizes, regardless of mullions or panel widths.
- 54% Free Area (48"w x 48"h [1219 x 1219]).
- 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.
- Architecturally styled hidden mullions allowing continuous line appearance up to 120" (3048).
- All aluminum construction for low maintenance and high resistance to corrosion.
- All welded construction.

VARIATIONS

Variations to the basic design of these louvers are available at additional cost. They include:

- Extended sill.
- Front or rear security bars.
- Filter racks.
- A variety of bird and insect screens.
- Selection of finishes: prime coat, baked enamel (modified fluoropolymer), epoxy, Pearledize 50 & 70, Kynar, clear and color anodize. (Some variation in anodize color consistency is possible.)

Consult Ruskin for other special requirements.

Dimensions in inches, parenthesis ( ) indicate millimeters.

Please reference our website www.ruskin.com for up to date LEED® information.

*Units furnished 1/2" (13) smaller than given opening dimensions.

TAG	QTY.	SIZE		FRAME	VARIATIONS
		A*-WIDE	B*-HIGH		

PROJECT **LOCATION**
ARCH./ENGR. **CONTRACTOR**
REPRESENTATIVE **DATE**

ALL STATED SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATION. ©Ruskin March 2019

SUGGESTED SPECIFICATION

GENERAL

Furnish and install at locations shown on the plans or as described in schedules drainable stationary louver meeting the performance criteria established by the Florida Building Code. Stationary louvers shall be certified ASTM E330-02 and Florida standard TAS 202 (Uniform Static Air Pressure) tests. Stationary louvers shall be manufactured in an ISO 9001 certified factory.

Stationary louvers shall be furnished with bird and/or insect screens, supports and finishes as specified and as required for a complete installation. Stationary louvers shall incorporate drainable stationary blades. All blades and frames shall be constructed of 6063-T5 aluminum alloy.

MATERIAL

Stationary louvers shall be 4" (102) deep. Louver blades and frames shall be .081" (2.1) nominal wall thickness. Integral gutters shall be incorporated into blades, louver head and jamb frames.

PERFORMANCE

The louver shall be AMCA certified for Water Penetration and Air Performance conforming to the following minimum requirements:

Free Area: 8.58 Square Feet (0.80 m^2)

Maximum intake pressure drop at 1000 fpm (305 m/min): 0.20" w.g. (0.05 kPA)

Free Area Velocity at Beginning Point of Water Penetration: 961 fpm (293 m/min)

STRUCTURAL DESIGN

Integral structural supports shall be designed and furnished by the louver manufacturer to carry a wind load of not less than 50 psf (2.4 kPA).

PRODUCT WARRANTY

This model has a 5 year warranty, see Ruskin Limited Warranty document for details.

FINISH

Stationary louvers shall be finished as specified by the architect. Painted finishes shall include the following minimum requirements. All PVDF finishes shall be applied at 1.2 mil total dry film thickness and meet the following AAMA standards. 70% PVDF finishes shall meet AAMA 2605-05 for organic coatings and exterior aluminum finishes requiring 20 years of South Florida exposure. 50% PVDF finishes shall meet AAMA 2604-05 for organic coatings and exterior aluminum finishes requiring 5 years of South Florida exposure.

Finish coating shall not peel, blister, chip, crack or check. Chalking and fading of finish shall not exceed the maximum limits identified in the manufacturers finish warranty.

This warranty shall begin on the date of delivery to location.

(Consult www.ruskin.com for electronic version of this "Quick" spec as well as for complete 3-part CSI MasterFormat Specifications)

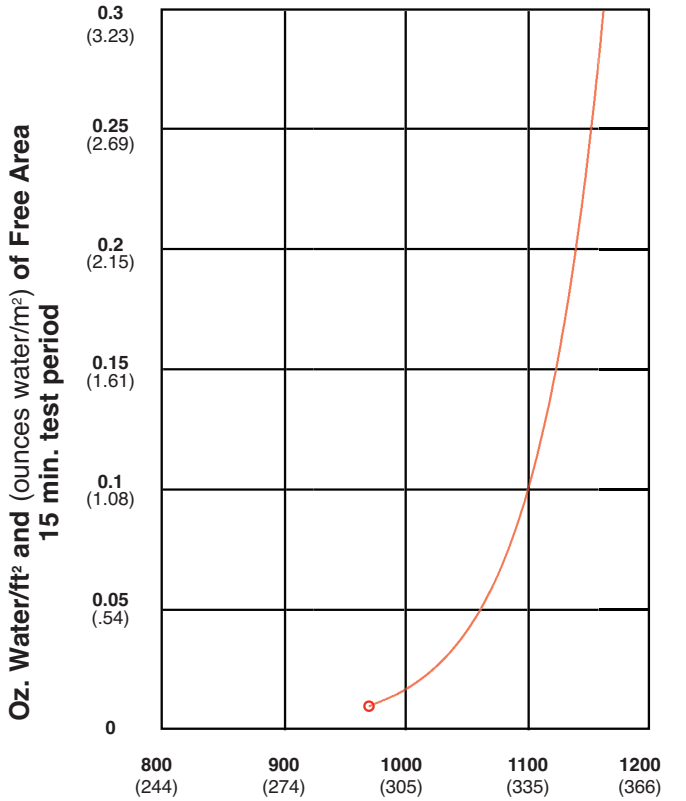
PERFORMANCE DATA

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 carryover, design with a performance level somewhat below maximum desired pressure drop and .01 oz./sq. ft. 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 961 fpm (293m/min.)



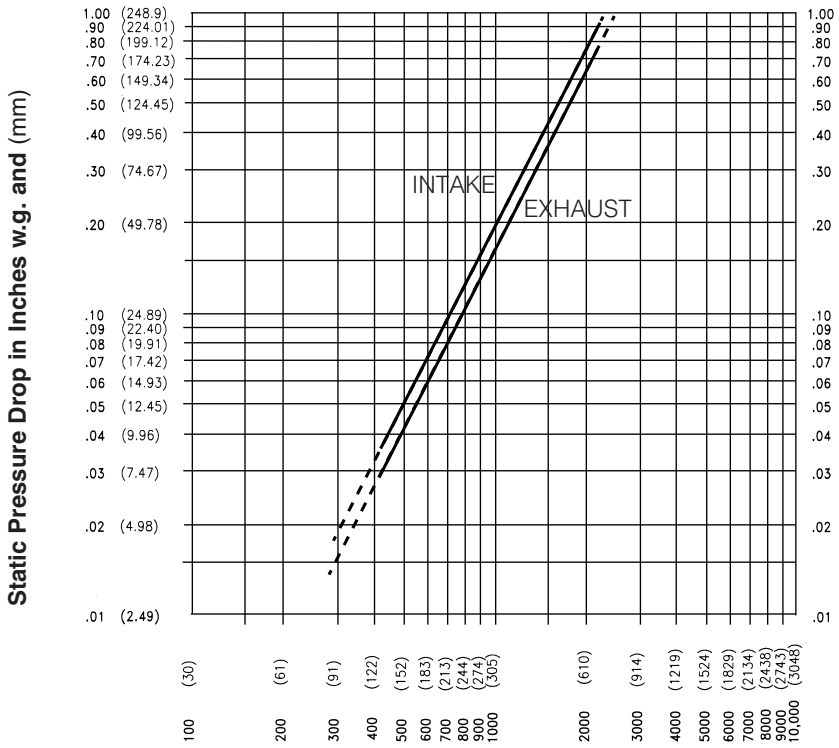
FREE AREA GUIDE

Free Area Guide shows free area in ft² and m² for various sizes of ELF375DFL
Width – Inches and Meters

Height – Inches and Meters

	12 0.30	**18** 0.46	**24** 0.61	**30** 0.76	**36** 0.91	**42** 1.07	**48** 1.22	**54** 1.37	**60** 1.52	**66** 1.68	**72** 1.83	**78** 1.98	**84** 2.13	**90** 2.29	**96** 2.44	**102** 2.59	**108** 2.74	**114** 2.90	**120** 3.05
12 0.30	**0.26** 0.02	**0.41** 0.04	**0.56** 0.05	**0.71** 0.07	**0.87** 0.08	**1.02** 0.09	**1.17** 0.11	**1.33** 0.12	**1.48** 0.14	**1.63** 0.15	**1.79** 0.17	**1.94** 0.18	**2.09** 0.19	**2.24** 0.21	**2.40** 0.22	**2.55** 0.24	**2.70** 0.25	**2.86** 0.27	**3.01** 0.28
18 0.46	**0.61** 0.06	**0.97** 0.09	**1.33** 0.12	**1.70** 0.16	**2.06** 0.19	**2.43** 0.23	**2.79** 0.26	**3.15** 0.29	**3.52** 0.33	**3.88** 0.36	**4.25** 0.39	**4.61** 0.43	**4.97** 0.46	**5.34** 0.50	**5.70** 0.53	**6.06** 0.56	**6.43** 0.60	**6.79** 0.63	**7.16** 0.67
24 0.61	**0.87** 0.08	**1.40** 0.13	**1.92** 0.18	**2.45** 0.23	**2.97** 0.28	**3.50** 0.33	**4.02** 0.37	**4.55** 0.42	**5.07** 0.47	**5.60** 0.52	**6.12** 0.57	**6.65** 0.62	**7.17** 0.67	**7.70** 0.72	**8.22** 0.76	**8.75** 0.81	**9.27** 0.86	**9.80** 0.91	**10.32** 0.96
30 0.76	**1.14** 0.11	**1.83** 0.17	**2.51** 0.23	**3.20** 0.30	**3.89** 0.36	**4.57** 0.42	**5.26** 0.49	**5.94** 0.55	**6.63** 0.62	**7.32** 0.68	**8.00** 0.74	**8.69** 0.81	**9.37** 0.87	**10.06** 0.93	**10.74** 1.00	**11.43** 1.06	**12.12** 1.13	**12.80** 1.19	**13.49** 1.25
36 0.91	**1.33** 0.12	**2.13** 0.20	**2.92** 0.27	**3.72** 0.35	**4.52** 0.42	**5.31** 0.49	**6.11** 0.57	**6.91** 0.64	**7.70** 0.72	**8.50** 0.79	**9.30** 0.86	**10.09** 0.94	**10.89** 1.01	**11.69** 1.09	**12.49** 1.16	**13.28** 1.23	**14.08** 1.31	**14.88** 1.38	**15.67** 1.46
42 1.07	**1.60** 0.15	**2.55** 0.24	**3.51** 0.33	**4.47** 0.42	**5.43** 0.50	**6.39** 0.59	**7.34** 0.68	**8.30** 0.77	**9.26** 0.86	**10.22** 0.95	**11.18** 1.04	**12.13** 1.13	**13.09** 1.22	**14.05** 1.31	**15.01** 1.39	**15.96** 1.48	**16.92** 1.57	**17.88** 1.66	**18.84** 1.75
48 1.22	**1.86** 0.17	**2.98** 0.28	**4.10** 0.38	**5.22** 0.49	**6.34** 0.59	**7.46** 0.69	**8.58** 0.80	**9.70** 0.90	**10.82** 1.01	**11.93** 1.11	**13.05** 1.21	**14.17** 1.32	**15.29** 1.42	**16.41** 1.52	**17.53** 1.63	**18.65** 1.73	**19.77** 1.84	**20.89** 1.94	**22.00** 2.04
54 1.37	**2.13** 0.20	**3.41** 0.32	**4.69** 0.44	**5.97** 0.55	**7.25** 0.67	**8.53** 0.79	**9.81** 0.91	**11.09** 1.03	**12.37** 1.15	**13.65** 1.27	**14.93** 1.39	**16.21** 1.51	**17.49** 1.63	**18.77** 1.74	**20.05** 1.86	**21.33** 1.98	**22.61** 2.10	**23.89** 2.22	**25.17** 2.34
60 1.52	**2.40** 0.22	**3.84** 0.36	**5.28** 0.49	**6.72** 0.62	**8.16** 0.76	**9.61** 0.89	**11.05** 1.03	**12.49** 1.16	**13.93** 1.29	**15.37** 1.43	**16.81** 1.56	**18.25** 1.70	**19.69** 1.83	**21.13** 1.96	**22.57** 2.10	**24.01** 2.23	**25.45** 2.37	**26.90** 2.50	**28.34** 2.63
66 1.68	**2.59** 0.24	**4.14** 0.38	**5.69** 0.53	**7.24** 0.67	**8.79** 0.82	**10.35** 0.96	**11.90** 1.11	**13.45** 1.25	**15.00** 1.39	**16.55** 1.54	**18.11** 1.68	**19.66** 1.83	**21.21** 1.97	**22.76** 2.12	**24.31** 2.26	**25.86** 2.40	**27.42** 2.55	**28.97** 2.69	**30.52** 2.84
72 1.83	**2.85** 0.26	**4.57** 0.42	**6.28** 0.58	**7.99** 0.74	**9.71** 0.90	**11.42** 1.06	**13.13** 1.22	**14.84** 1.38	**16.56** 1.54	**18.27** 1.70	**19.98** 1.86	**21.70** 2.02	**23.41** 2.18	**25.12** 2.33	**26.83** 2.49	**28.55** 2.65	**30.26** 2.81	**31.97** 2.97	**33.69** 3.13
78 1.98	**3.12** 0.29	**5.00** 0.46	**6.87** 0.64	**8.74** 0.81	**10.62** 0.99	**12.49** 1.16	**14.37** 1.34	**16.24** 1.51	**18.11** 1.68	**19.99** 1.86	**21.86** 2.03	**23.74** 2.21	**25.61** 2.38	**27.48** 2.55	**29.36** 2.73	**31.23** 2.90	**33.10** 3.08	**34.98** 3.25	**36.85** 3.42
84 2.13	**3.39** 0.32	**5.43** 0.50	**7.46** 0.69	**9.50** 0.88	**11.53** 1.07	**13.57** 1.26	**15.60** 1.00	**17.63** 1.64	**19.67** 1.83	**21.70** 2.02	**23.74** 2.21	**25.77** 2.39	**27.81** 2.58	**29.84** 2.77	**31.88** 2.96	**33.91** 3.15	**35.95** 3.34	**37.98** 3.53	**40.02** 3.72
90 2.29	**3.66** 0.34	**5.86** 0.54	**8.05** 0.75	**10.25** 0.95	**12.44** 1.16	**14.64** 1.36	**16.83** 1.56	**19.03** 1.77	**21.23** 1.97	**23.42** 2.18	**25.62** 2.38	**27.81** 2.58	**30.01** 2.79	**32.20** 2.99	**34.40** 3.20	**36.60** 3.40	**38.79** 3.60	**40.99** 3.81	**43.18** 4.01

PRESSURE DROP



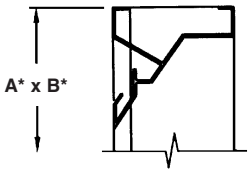
Static Pressure Drop in Inches w.g. and (mm)

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

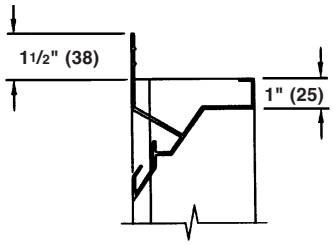
Ratings do not include the effect of a bird screen.

Ruskin Manufacturing Company certifies that the ELF375DFL 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 water penetration ratings only.

FRAME CONSTRUCTION

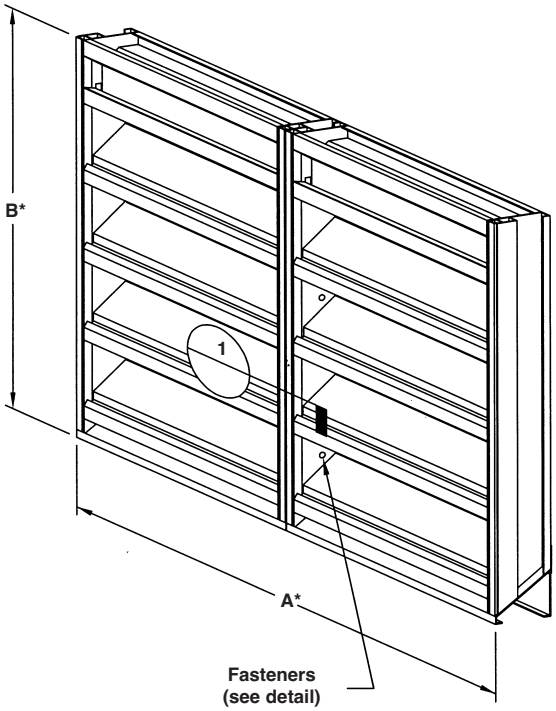


STANDARD



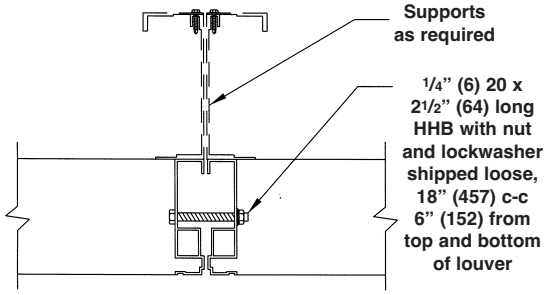
INTEGRAL FLANGE

MULTI SECTION FIELD SPLICE DETAIL



GENERAL NOTES:

1. Reference separate Installation Instruction sheets for installation details.
2. On special orders, Ruskin may provide submittal and/or shop drawings. Reference these drawings for additional installation information.
3. Louvers may be provided with hidden vertical blade supports (HVBS) that increase overall installation depth by several inches. Consult Ruskin Louver Engineering for exact HVBS depth.
4. Louvers wider than the maximum single section width will be shipped in multiple sections and will require field assembly.



1. SPLICE DETAIL PLAN

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