XP500
FEMA Louver
FEMA P361 and ICC 500 Compliant

RUSKIN
AUTHORITY IN AIR CONTROL

APPLICATION

The XP500 is a stationary extreme weather louver with sightproof blades. This louver is tested to FEMA 361 standard design and ICC500 specification for large missile impact and can be mounted internally, externally or in conjunction with other louvers with a 5" deep frame.

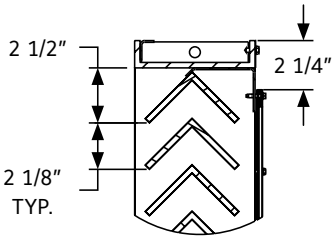
STANDARD CONSTRUCTION

Frame	2" x 5 1/2" x 2" (51 x 140 x 51) channel 1/4" (6) Thick Extruded Aluminum.
Blades	3" x 3" x 1/4" (75 x 75 x 6) Thick Chevron Style Extruded Aluminum.
Bird 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. Screen required to meet spawlling component to FEMA 361 standards.
Finish	Mill.
Minimum Size	12"w x 12"h (305 x 305).
Approximate Shipping Weight	Standard Frame: 13lbs. per. sq/ft. Flange Frame: 14lbs. per. sq/ft.
Maximum Shipping Section Size	For 200 psf (SS) 96"w x 90"h (2440 x 2286). For 230 psf (SS) 48"w x 90"h (1220 x 2286). For 300 psf (SS) 48"w x 78"h (1220 x 1982). For 200 psf (MS) 48"w x 120"h (1220 x 3048). For 230 psf (MS) 48"w x 90"h (1220 x 2286). For 300 psf (MS) 48"w x 78"h (1220 x 1982).
Maximum Overall Assembly Size	Standard Frame: Unlimited width x one section tall Flange Frame: one section wide x one section tall

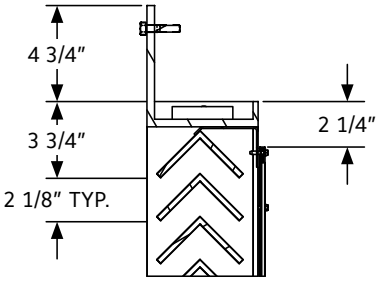
FEATURES

- Louver complies with FEMA 361 Design and Construction for Community Shelters, Zone IV criteria, 250 MPH wind, 15 lb. 2 x 4 impact at 100 mph for tornadoes
- Louver complies with FEMA 361 Design and Construction for Community Shelters, Zone IV criteria, 230 MPH wind, 15 lb. 2 x 4 impact at 100 mph for Hurricanes
- 50% Free Area
- This product is Listed to applicable UL Standards and Requirements

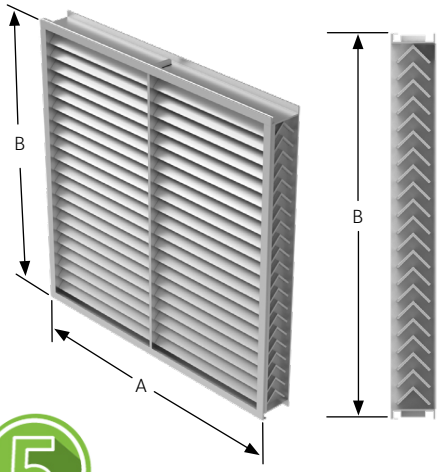
FRAME CONSTRUCTION



STANDARD FRAME



FLANGE FRAME 200psf ONLY



5 YEAR LIMITED WARRANTY

ISO9001 CERTIFIED

amca WORLDWIDE CERTIFIED RATINGS WATER PENETRATION AIR PERFORMANCE

CLASSIFIED UL R22052 ZHLL

VARIATIONS

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

- Extended sill
- Blank off panels
- Frame caps
- Flanged frame
- Please see Paint Finishes and Color Guide and Finish Type Model Chart for more details. Contact louversales@ruskin.com with questions
- Variety of screens and locations

Consult Ruskin for other special requirements.

NOTES:
- Dimensions in inches, parenthesis ( ) indicate millimeters.
- Units can be furnished actual size or with size deducts.
- Flange frame can be directly mounted to wall, as to not require angles.
- Flange frame: 200psf & single section only

ALL STATED SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATION.
© Ruskin August 2025

FREE AREA GUIDE

Free Area Guide shows free area in ft^2 and m^2 for various sizes of XP500.

Width – Inches and Meters

Height – Inches and Meters

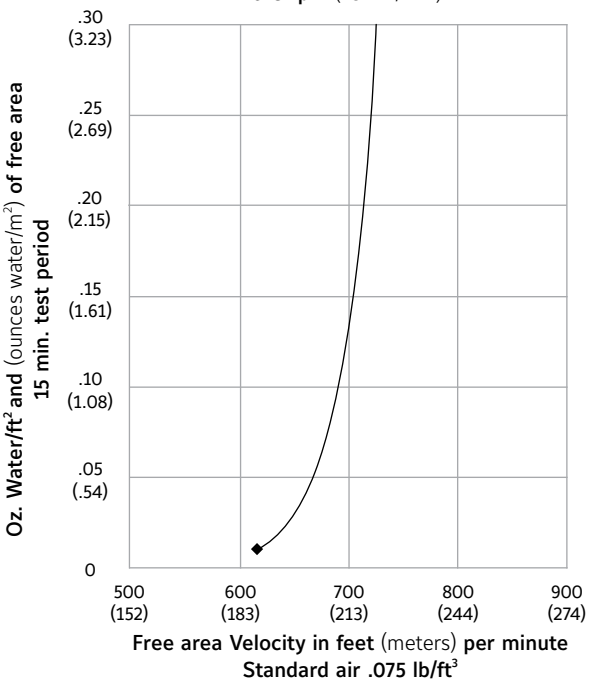
	12 0.30	**18** 0.45	**24** 0.60	**30** 0.75	**36** 0.90	**42** 1.05	**48** 1.20
12 0.30	**0.28** 0.03	**046** 0.04	**0.64** 0.06	**0.83** 0.08	**1.01** 0.09	**1.20** 0.11	**1.38** 0.13
18 0.45	**0.49** 0.05	**0.81** 0.08	**1.13** 0.11	**1.46** 0.14	**1.78** 0.17	**2.10** 0.20	**2.42** 0.23
24 0.60	**0.76** 0.07	**1.27** 0.12	**1.77** 0.16	**2.27** 0.21	**2.78** 0.26	**3.28** 0.31	**3.79** 0.35
30 0.75	**0.97** 0.06	**1.62** 0.09	**2.26** 0.12	**2.90** 0.15	**3.55** 0.18	**4.19** 0.21	**4.83** 0.24
36 0.90	**1.18** 0.11	**1.97** 0.18	**2.75** 0.26	**3.53** 0.33	**4.31** 0.40	**5.10** 0.47	**5.88** 0.55
42 1.05	**1.39** 0.13	**2.31** 0.22	**3.24** 0.30	**4.16** 0.39	**5.08** 0.47	**6.00** 0.56	**6.92** 0.64
48 1.20	**1.60** 0.15	**2.66** 0.25	**3.73** 0.35	**4.79** 0.45	**5.85** 0.54	**6.91** 0.64	**7.97** 0.74
54 1.35	**1.81** 0.17	**3.01** 0.28	**4.21** 0.39	**5.42** 0.50	**6.62** 0.62	**7.82** 0.73	**9.02** 0.84
60 1.50	**2.09** 0.19	**3.47** 0.32	**4.85** 0.45	**6.23** 0.58	**7.62** 0.71	**9.00** 0.84	**10.38** 0.97
66 1.65	**2.30** 0.21	**3.82** 0.36	**5.34** 0.50	**6.86** 0.64	**8.38** 0.78	**9.90** 0.92	**11.43** 1.06
72 1.80	**2.51** 0.23	**4.17** 0.39	**5.83** 0.54	**7.49** 0.70	**9.15** 0.85	**10.81** 1.01	**12.47** 1.16
78 1.95	**2.72** 0.25	**4.52** 0.42	**6.32** 0.59	**8.12** 0.75	**9.92** 0.92	**11.72** 1.09	**13.52** 1.26
84 2.10	**2.93** 0.27	**4.87** 0.45	**6.81** 0.63	**8.75** 0.81	**10.69** 0.99	**12.62** 1.17	**14.56** 1.35
90 2.25	**3.14** 0.29	**5.22** 0.49	**7.30** 0.68	**9.37** 0.87	**11.45** 1.07	**13.53** 1.26	**15.61** 1.45
96 2.40	**3.41** 0.32	**5.67** 0.53	**7.93** 0.74	**10.19** 0.95	**12.45** 1.16	**14.71** 1.37	**16.97** 1.58

ALL STATED SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATION.

© Ruskin August 2025

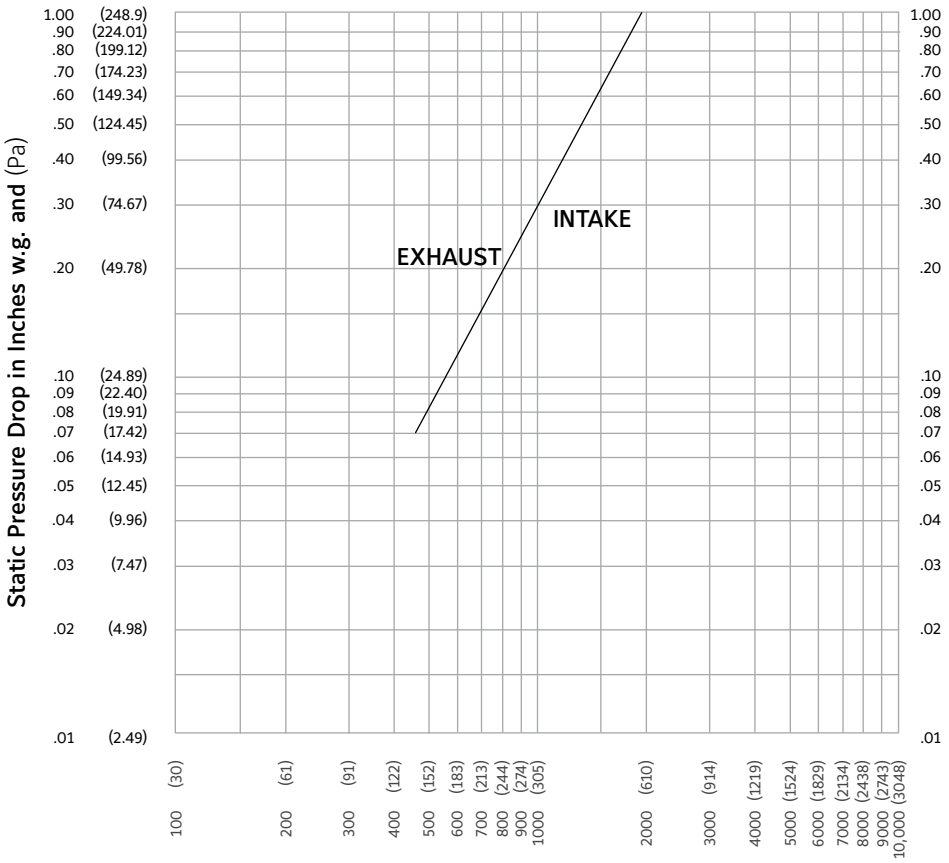
WATER PENETRATION

Water penetration
Test size 48" wide X 48" high (1219 X 1219)
Beginning point of water penetration at .01 oz. /sq. ft. is 615 fpm (187 m/min).



ALL STATED SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATION.
© Ruskin August 2025

PRESSURE DROP



Ruskin Manufacturing Company certifies that the XP500 Louvers shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publica tion 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Rat ings Seal applies to air performance ratings and water penetration ratings only.

LINKS TO IMPORTANT DOCUMENTS

Document Title
Paint Finishes and Color Guide
Limited Warranty Document

RUSKIN® AUTHORITY IN AIR CONTROL

3900 Doctor Greaves Road
Grandview, MO 64030
Website: www.ruskin.com
Phone: (816) 761-7476

ALL STATED SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATION.
© Ruskin August 2025