ELC6375DAX

Drainable Combination Louver
Extruded Aluminum

RUSKIN
AUTHORITY IN AIR CONTROL

APPLICATION

The ELC6375DAX is an 6" deep extruded aluminum, combination louver. It includes a fixed front stationary blade and a rear adjustable blade. These blades can be operated closed when the occupant requires a tight air shut off for protection of air intake and exhaust openings in building exterior walls. This louver is designed with a gutter system channeling water from the blades to downspouts in the jambs, where water is exhausted out the front of the louver when rear blades are open.

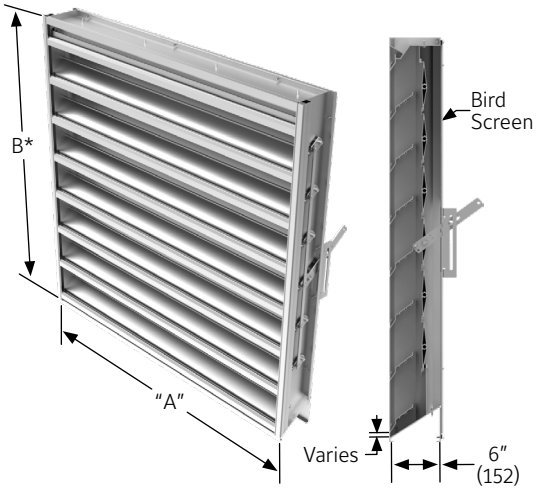
STANDARD CONSTRUCTION

Frame	6" (152) deep, 6063T6 extruded aluminum with .125" (3.2) nominal wall thickness. Downspouts and caulking surfaces provided.
Blades	Front stationary drainable blades – 6063T6 extruded aluminum with .081" (2.1) nominal wall thickness, positioned at 37 1/2° angle and spaced approximately 6 1/8" (156) on center. Rear adjustable airfoil blades – 6063T6 extruded aluminum, .070" (1.8) nominal wall thickness.
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.
Seals	Extruded vinyl blade edge seals on rear adjustable blades and flexible, compressible aluminum jamb seals.
Linkage	Concealed in frame.
Bearings	Stainless steel sleeve pressed into frame.
Axles	1/2" (13) plated steel hex.
Actuator	Locking louver quadrant.
Finish	Mill.
Minimum Size	12"w x 12"h (305 x 305)
Approximate Shipping Weight	8 lbs. per sq. ft. (39.1 kg per m^2)
Maximum Factory Assembly Size	Shall be 120"w x 90"h (3038 x 2286). Maximum operating section width is 60" (1524). Louvers larger than the maximum factory assembly size will require field assembly of smaller sections.

FEATURES

- 47% Free Area
- Published performance ratings based on testing in accordance with AMCA Publication 511
- High performance frame system
- Concealed blade linkage is protected from weather exposure and reduces required installation depth
- Adjustable rear blades
- Blade and jamb seals provide tight closure
- Beginning point of water penetration at .01 oz. /sq. ft. is 1169 fpm (356 m/min)
- A drain gutter in each front stationary blade minimizes water cascade between blades
- Architecturally styled hidden mullions

NOTES:
- Dimensions in inches, parenthesis ( ) indicate millimeters.
- Units can be furnished actual size or with size deducts.



5 YEAR LIMITED WARRANTY

ISO9001 CERTIFIED

VARIATIONS

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

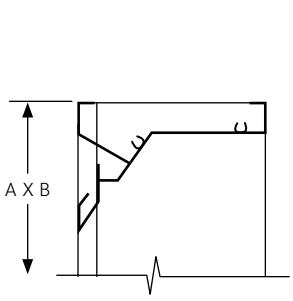
- Extended sill
- Hinged frame
- Front or rear security bars
- Filter racks
- Installation angles
- Blank off panels
- Frame caps
- Integral flange frames
- A variety of bird and insect screens
- A selection of manual, electric, and pneumatic actuators
- Optional finishes available at additional cost. Please see Paint Finishes and Color Guide and Finish Type Model Chart for more details. Contact louversales@ruskin.com with questions

Consult Ruskin for other special requirements.

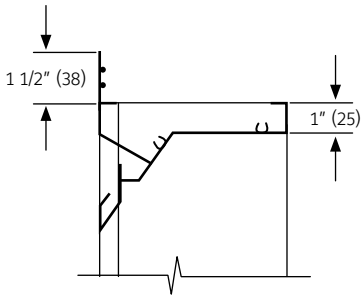
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FRAME CONSTRUCTION



STANDARD



INTEGRAL FLANGE

FREE AREA GUIDE

Free Area Guide shows free area in ft² and m² for various sizes of ELC6375DAX.

Width – Inches and Meters

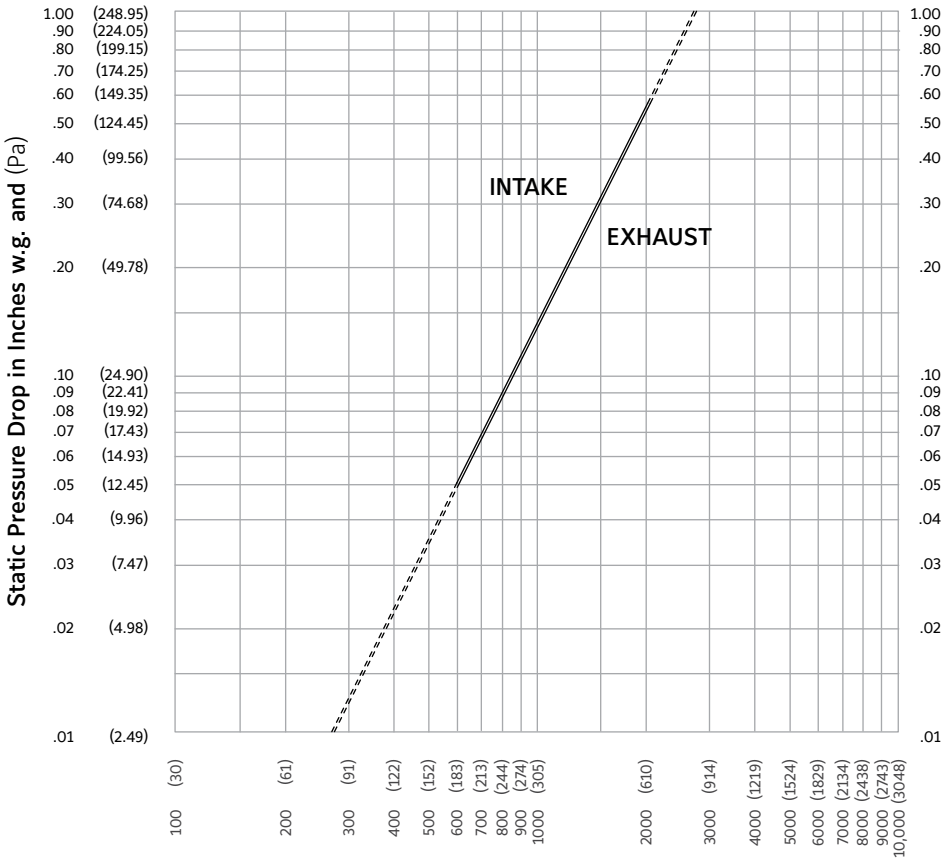
Height – Inches and Meters

HEIGHT	12 0.3	18 0.45	24 0.6	30 0.75	36 0.9	42 1.05	48 1.2	54 1.35	60 1.5	66 1.65	72 1.8	78 1.95	84 2.1	90 2.25	96 2.4	102 2.55	108 2.7	114 2.85	120 3
12 0.30	**0.15** 0.01	**0.24** 0.02	**0.32** 0.03	**0.41** 0.04	**0.50** 0.05	**0.59** 0.05	**0.68** 0.06	**0.75** 0.07	**0.85** 0.08	**0.94** 0.09	**1.03** 0.10	**1.12** 0.10	**1.20** 0.11	**1.29** 0.12	**1.38** 0.13	**1.47** 0.14	**1.59** 0.14	**1.65** 0.15	**1.73** 0.16
18 0.45	**0.39** 0.03	**0.63** 0.06	**0.87** 0.08	**1.10** 0.10	**1.34** 0.12	**1.57** 0.15	**1.81** 0.17	**2.05** 0.19	**2.28** 0.21	**2.52** 0.23	**2.75** 0.26	**2.99** 0.28	**3.23** 0.30	**3.46** 0.32	**3.70** 0.34	**3.93** 0.37	**4.17** 0.39	**4.41** 0.41	**4.64** 0.43
24 0.60	**0.64** 0.06	**1.02** 0.10	**1.41** 0.13	**1.79** 0.17	**2.18** 0.20	**2.56** 0.24	**2.94** 0.27	**3.33** 0.31	**3.71** 0.35	**4.09** 0.38	**4.48** 0.42	**4.86** 0.45	**5.25** 0.49	**5.63** 0.52	**6.01** 0.56	**6.40** 0.60	**6.78** 0.63	**7.17** 0.67	**7.55** 0.70
30 0.75	**0.89** 0.08	**1.42** 0.13	**1.95** 0.18	**2.48** 0.23	**3.01** 0.28	**3.55** 0.33	**4.08** 0.38	**4.61** 0.43	**5.14** 0.48	**5.67** 0.53	**6.20** 0.58	**6.74** 0.63	**7.27** 0.68	**7.80** 0.73	**8.33** 0.77	**8.86** 0.82	**9.39** 0.87	**9.93** 0.92	**10.46** 0.97
36 0.90	**1.13** 0.11	**1.81** 0.17	**2.49** 0.23	**3.17** 0.29	**3.85** 0.36	**4.53** 0.42	**5.21** 0.48	**5.89** 0.55	**6.57** 0.61	**7.25** 0.67	**7.93** 0.74	**8.61** 0.80	**9.29** 0.86	**9.97** 0.93	**10.65** 0.99	**11.33** 1.05	**12.01** 1.12	**12.69** 1.18	**13.37** 1.24
42 1.05	**1.38** 0.13	**2.21** 0.21	**3.03** 0.28	**3.86** 0.36	**4.69** 0.44	**5.52** 0.51	**6.34** 0.59	**7.17** 0.67	**8.00** 0.74	**8.83** 0.82	**9.65** 0.90	**10.48** 0.97	**11.31** 1.05	**12.14** 1.13	**12.96** 1.21	**13.79** 1.28	**14.62** 1.36	**15.45** 1.44	**16.27** 1.51
48 1.20	**1.63** 0.15	**2.60** 0.24	**3.58** 0.33	**4.55** 0.42	**5.53** 0.51	**6.50** 0.60	**7.48** 0.70	**8.45** 0.79	**9.43** 0.88	**10.40** 0.97	**11.38** 1.06	**12.36** 1.15	**13.33** 1.24	**14.31** 1.33	**15.28** 1.42	**16.26** 1.51	**17.23** 1.60	**18.21** 1.69	**19.18** 1.78
54 1.35	**1.87** 0.17	**3.00** 0.28	**4.12** 0.38	**5.24** 0.49	**6.37** 0.59	**7.49** 0.70	**8.61** 0.80	**9.74** 0.91	**10.86** 1.01	**11.98** 1.11	**13.10** 1.22	**14.23** 1.32	**15.35** 1.43	**16.47** 1.53	**17.60** 1.64	**18.72** 1.74	**19.84** 1.85	**20.97** 1.95	**22.09** 2.05
60 1.50	**1.98** 0.18	**3.17** 0.29	**4.35** 0.40	**5.54** 0.52	**6.73** 0.63	**7.92** 0.74	**9.10** 0.85	**10.29** 0.96	**11.48** 1.07	**12.67** 1.18	**13.85** 1.29	**15.04** 1.40	**16.23** 1.51	**17.42** 1.62	**18.60** 1.73	**19.79** 1.84	**20.98** 1.95	**22.17** 2.06	**23.35** 2.17
66 1.65	**2.23** 0.21	**3.56** 0.33	**4.90** 0.46	**6.238** 0.58	**7.57** 0.70	**8.90** 0.83	**10.24** 0.95	**11.57** 1.08	**12.91** 1.20	**14.24** 1.32	**15.58** 1.45	**16.92** 1.57	**18.25** 1.70	**19.59** 1.82	**20.92** 1.95	**22.26** 2.07	**23.59** 2.19	**24.93** 2.32	**26.26** 2.44
72 1.80	**2.47** 0.23	**3.96** 0.37	**5.44** 0.51	**6.92** 0.64	**8.41** 0.78	**9.89** 0.92	**11.37** 1.06	**12.86** 1.20	**14.34** 1.33	**15.82** 1.47	**17.30** 1.61	**18.79** 1.75	**20.27** 1.89	**21.75** 2.02	**23.24** 2.16	**24.72** 2.30	**26.20** 2.44	**27.69** 2.57	**29.17** 2.71
78 1.95	**2.72** 0.25	**4.35** 0.40	**5.98** 0.56	**7.61** 0.71	**9.24** 0.86	**10.87** 1.01	**12.51** 1.16	**14.14** 1.31	**15.77** 1.47	**17.40** 1.62	**19.03** 1.77	**20.66** 1.92	**22.29** 2.07	**23.92** 2.22	**25.55** 2.38	**27.19** 2.53	**28.82** 2.68	**30.45** 2.83	**32.08** 2.98
84 2.10	**2.97** 0.28	**4.74** 0.44	**6.52** 0.61	**8.30** 0.77	**10.08** 0.94	**11.86** 1.10	**13.64** 1.27	**15.42** 1.43	**17.20** 1.60	**18.98** 1.76	**20.76** 1.93	**22.53** 2.10	**24.31** 2.26	**26.09** 2.43	**27.87** 2.59	**29.65** 2.76	**31.43** 2.92	**33.21** 3.09	**34.99** 3.25
90 2.25	**3.21** 0.30	**5.14** 0.48	**7.07** 0.66	**8.99** 0.84	**10.92** 1.02	**12.85** 1.19	**14.77** 1.37	**16.70** 1.55	**18.63** 1.73	**20.55** 1.91	**22.48** 2.09	**24.41** 2.27	**26.33** 2.45	**28.26** 2.63	**30.19** 2.81	**32.12** 2.99	**34.04** 3.17	**35.97** 3.35	**37.90** 3.52
96 2.40	**3.46** 0.32	**5.53** 0.51	**7.61** 0.71	**9.68** 0.90	**11.76** 1.09	**13.83** 1.29	**15.91** 1.48	**17.98** 1.67	**20.06** 1.87	**22.13** 2.06	**24.21** 2.25	**26.28** 2.44	**28.36** 2.64	**30.43** 2.83					
102 2.55	**3.70** 0.34	**5.93** 0.55	**8.15** 0.76	**10.37** 0.96	**12.60** 1.17	**14.82** 1.38	**17.04** 1.58	**19.26** 1.79	**21.49** 2.00	**23.71** 2.20	**25.93** 2.41	**28.15** 2.62	**30.38** 2.82	**32.6** 3.03					
108 2.70	**3.95** 0.37	**6.32** 0.59	**8.69** 0.81	**11.06** 1.03	**13.43** 1.25	**15.80** 1.47	**18.17** 1.69	**20.54** 1.91	**22.92** 2.13	**25.29** 2.35	**27.66** 2.57	**30.03** 2.79	**32.40** 3.01	**34.77** 3.23					
114 2.85	**4.20** 0.39	**6.72** 0.62	**9.23** 0.86	**11.75** 1.09	**14.27** 1.33	**16.79** 1.56	**19.31** 1.80	**21.83** 2.03	**24.34** 2.26	**26.86** 2.50	**29.38** 2.73	**31.90** 2.97	**34.42** 3.20	**36.94** 3.44					
120 3.00	**4.44** 0.41	**7.11** 0.66	**9.78** 0.91	**12.44** 1.16	**15.11** 1.41	**17.78** 1.65	**20.44** 1.90	**23.11** 2.15	**25.77** 2.40	**28.44** 2.64	**31.11** 2.89	**33.77** 3.14	**36.44** 3.39	**39.11** 3.64					

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

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PRESSURE DROP



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

Ratings do not include the effect of a bird screen.

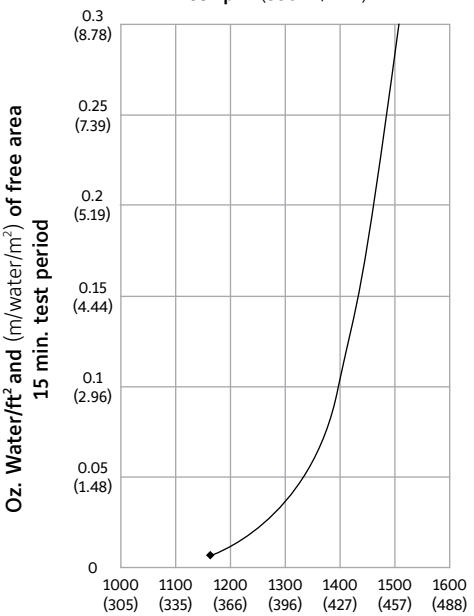
PERFORMANCE DATA

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./sq. ft. of water penetration.

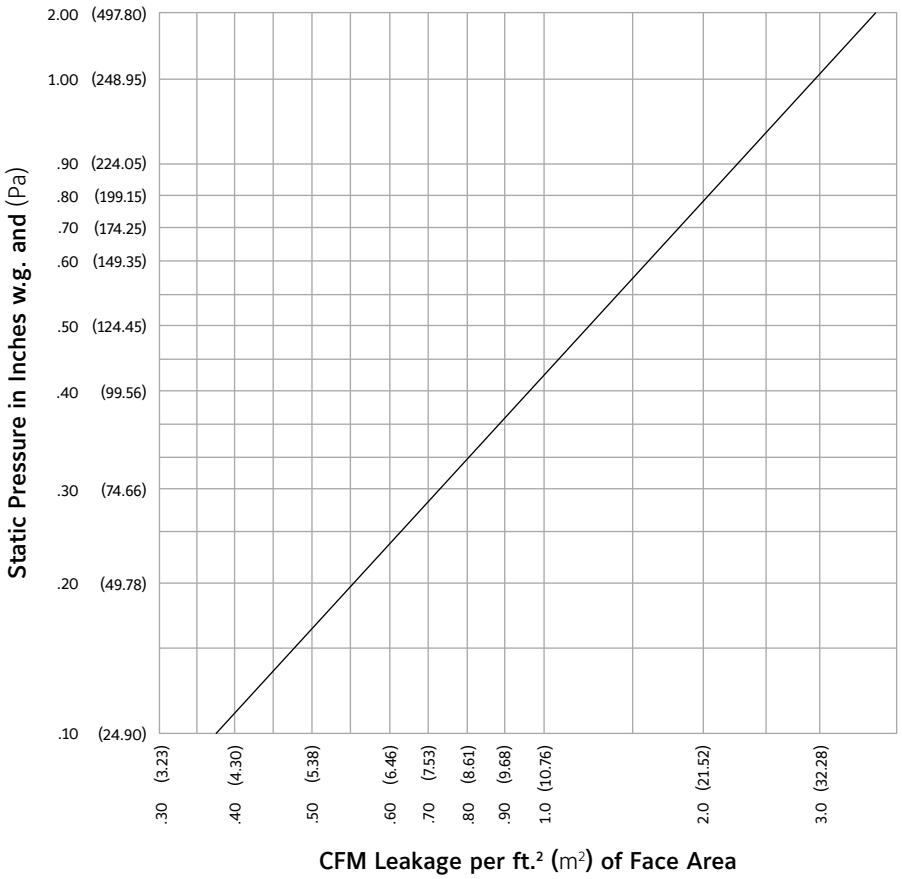
Ruskin Manufacturing Company certifies that the ELC6375DAX louvers shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to air performance rating and water penetration ratings only.

Water penetration
Test size 48" wide X 48" high (1219 X 1219)
Beginning point of water penetration at .01 oz. /sq. ft. is 1169 fpm (356 m/min).



Free area Velocity in feet (meters) **per minute**
Standard air .075 lb/ft³

AIR LEAKAGE



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 47% 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 windload of 30 lbs. per sq. ft. (1.44KPa) (equivalent of a 110 mph wind [177 KPH] wind–specifier may substitute any loading required).

Louvers shall be Ruskin model ELC6375DAX extruded 6063T6 aluminum construction as follows:

Frame: 6" (152) deep, ELC6375DAX - .125" (3.2) wall thickness.

Blades: .081" (2.1) nominal wall thickness. Drainable blades are positioned at 37 1/2° angle and spaced approximately 6 1/8" (156) on center. Rear adjustable airfoil blades – 6063T6 extruded aluminum, .070" (1.8) nominal wall thickness.

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: Select finish specification from Ruskin 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 Ruskin model specified.

LINKS TO IMPORTANT DOCUMENTS

Document Title
Paint Finishes and Color Guide
Limited Warranty Document

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AUTHORITY IN AIR CONTROL

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