MODEL D4493 DRAINABLE LOUVER

PERFORMANCE

Performance Rating Standard	AMCA Standard 500L
Louver Type	Mullion or Continuous Line Construction
Louver Depth	4" (102 mm)
Blade Angle	49^0
Free Area – 4'x4' Unit	7.68 sq.ft. (0.714 m^2)
Percentage Free Area	48%
Free Area Velocity at Beginning Point of Water Penetration (0.01 oz / ft^2)	1033.2 FPM (5.25 m/s)
Air Volume at Beginning Point of Water Penetration 4' x 4' Unit (test duration of 15 minutes)	7935 CFM (3.75 m^3/s)
Pressure Drop at Beginning Point of Water Penetration	0.25 in. H_2O (62.3 Pa)
Notes	Tested without bird screens

SUGGESTED SPECIFICATION

Where indicated on drawings, supply and install 4" (102 mm) deep louver Model D4493 with drainable blades, mullions and jambs as manufactured by Ten Plus Architectural Products Ltd. Submit all details to consultant for approval prior to fabrication. Head, sill, jambs and mullions shall have a minimum thickness of 0.080" (2.0 mm) 6063-T52 aluminum alloy.

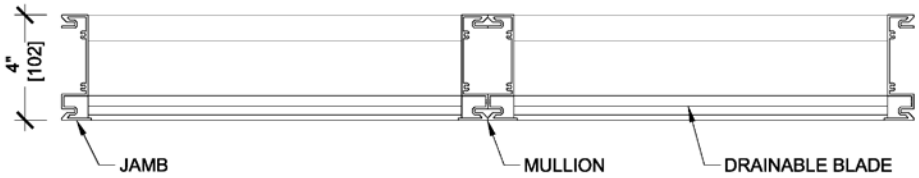
Jambs and Mullions shall have integral, vertical gutters to direct water to the bottom of the exterior face of the louver and away from the building. Blades shall be 0.080" (2.0 mm) 6063-T52 aluminum alloy and include an integral horizontal gutter to lead water to the vertical gutters in the mullions and jambs. Louvers shall be supplied with a 1/2" (12 mm), 19 gauge (1 mm) welded and regalvanized wire mesh in a mill finish, aluminum frame. Fasteners shall be standard zinc plated steel or stainless steel.

Structural supports shall be designed and furnished by the louver manufacturer to support a wind load of 20 psf (955 Pa), unless specified otherwise. Any louver opening greater that 10' (3 m) high, will require a horizontal girt, at mid span by others.

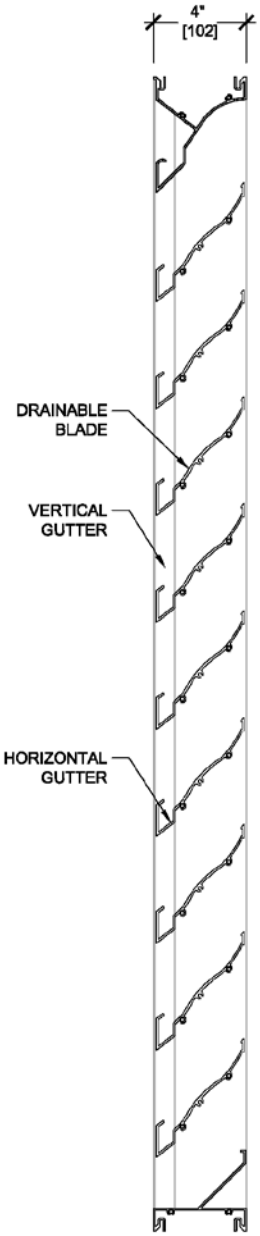
The louver manufacturer shall submit data, on a 4' x 4' (1.2 x1.2 m) unit, showing that the louver performs to the following criteria, based on tests & procedures performed in accordance with the AMCA Publication 511, and comply with the "Certified Ratings Program" licensed to bear the AMCA seal:

Free area = 7.68 sq. ft. (0.714 m^2)
Free area velocity at point of beginning water penetration = 1033.2 FPM (5.25 m/s)
Intake pressure drop at beginning point of water penetration = 0.25 in. H_2O (62.3 Pa)

Louvers shall be fabricated with mill finish aluminum and the finish shall be applied after assembly. Select desired finish from the following: fluoropolymer resin with a two or three coat application; thermosetting acrylic; Clear Anodic; Color Anodic or Prime Coat for field painting.



PLAN VIEW



VERTICAL SECTION

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PERFORMANCE RATINGS – LOUVER MODEL D4493

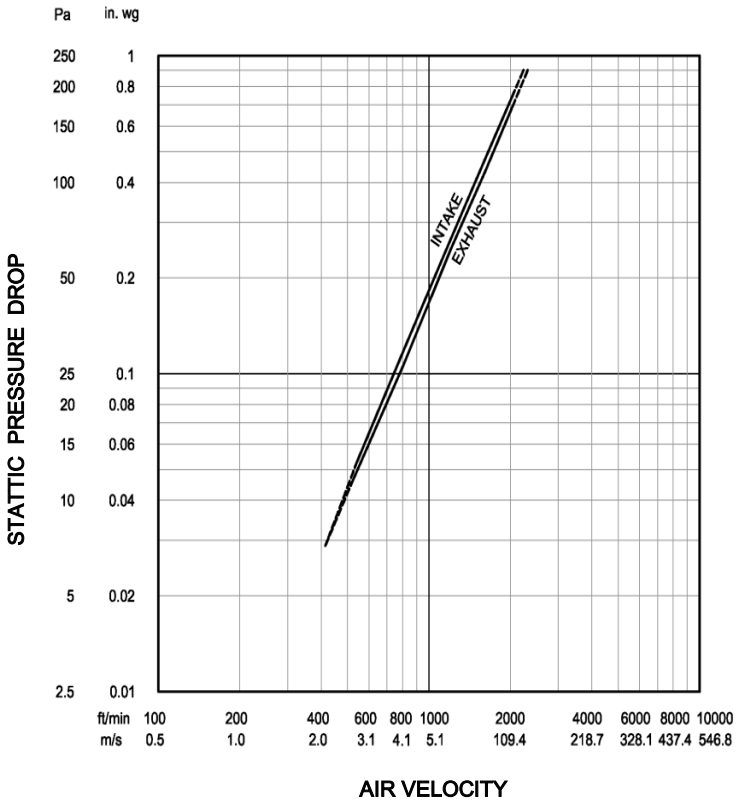
FREE AREA CHART

LOUVER WIDTH

LOUVER HEIGHT INCHES / MM	12 / 305	24 / 610	36 / 914	48 / 1219	60 / 1524
	FREE AREA - SQUARE FEET / SQUARE METERS				
12 / 305	0.30 / 0.03	0.67 / 0.06	1.05 / 0.10	1.42 / 0.13	1.79 / 0.17
24 / 610	0.70 / 0.07	1.57 / 0.15	2.44 / 0.23	3.30 / 0.31	4.17 / 0.39
36 / 914	1.23 / 0.11	2.74 / 0.25	4.25 / 0.39	5.76 / 0.54	7.27 / 0.68
48 / 1219	1.62 / 0.15	3.62 / 0.34	5.61 / 0.52	7.68 / 0.71	9.60 / 0.89
60 / 1524	2.15 / 0.20	4.80 / 0.45	7.45 / 0.69	10.10 / 0.94	12.75 / 1.19
72 / 1829	2.55 / 0.24	5.68 / 0.53	8.82 / 0.82	11.95 / 1.11	15.08 / 1.40
84 / 2134	2.94 / 0.27	6.56 / 0.61	10.18 / 0.95	13.80 / 1.28	17.42 / 1.62
96 / 2438	3.47 / 0.32	7.75 / 0.72	12.02 / 1.12	16.29 / 1.51	20.57 / 1.91
108 / 2743	3.87 / 0.36	8.62 / 0.80	13.38 / 1.24	18.14 / 1.69	22.90 / 2.13
120 / 3048	4.57 / 0.42	10.20 / 0.95	15.83 / 1.47	21.45 / 1.99	27.08 / 2.52
132 / 3353	4.79 / 0.45	10.69 / 0.99	16.59 / 1.54	22.49 / 2.09	28.38 / 2.64
144 / 3658	5.19 / 0.48	11.57 / 1.08	17.96 / 1.67	24.34 / 2.26	30.72 / 2.86

AIR FLOW RESISTANCE

(TEST SIZE OF 4' X 4')



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Ten Plus Architectural Products Ltd. certifies that louver model D4493 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 only to Air Performance and Water Penetration ratings.

Submittal D4493 January12, 2012