

## PERFORMANCE

Performance Rating Standard	AMCA Standard 500L
Louver Type	Mullion or Continuous Line Construction
Louver Depth	6" (152 mm)
Blade Angle	45°
Free Area – 4'x4' Unit	7.53 sq.ft. (0.700 m <sup>2</sup> )
Percentage Free Area	47.1%
Free Area Velocity at Beginning Point of Water Penetration ( 0.01 oz / ft <sup>2</sup> )	653 FPM (3.32m/s)
Air Volume at Beginning Point of Water Penetration 4' x 4' Unit ( test duration of 15 minutes)	4917 CFM (2.32 m <sup>3</sup> /s)
Pressure Drop at Beginning Point of Water Penetration	0.067 in. H <sub>2</sub> O (16.69 Pa)
Notes	Tested without bird screens

## SUGGESTED SPECIFICATION

Where indicated on drawings, supply and install 6" (152 mm) deep louver Model H6451 with stormproof blades, mullions and jamba as manufactured by Ten Plus Architectural Products Ltd. Submit all details to consultant for approval prior to fabrication. Head, sill, jamba and mullions shall have a minimum thickness of 0.080" (2.0 mm) 6063-T52 aluminum alloy.

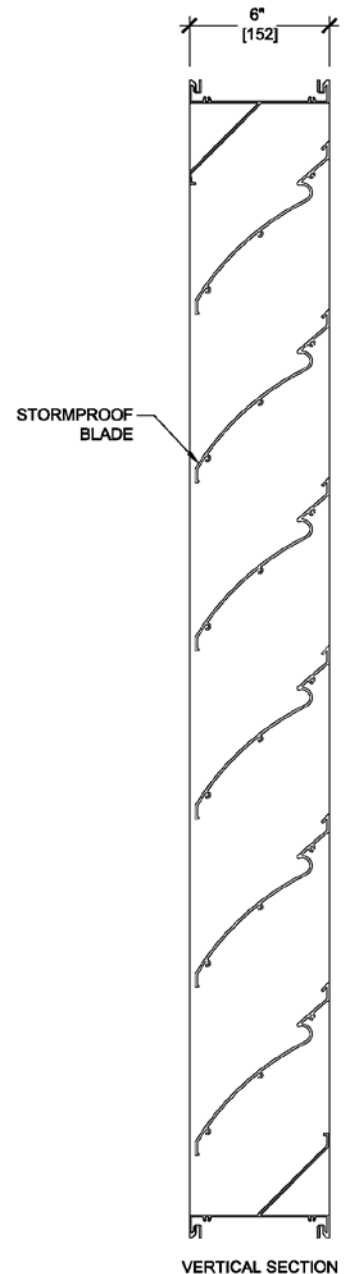
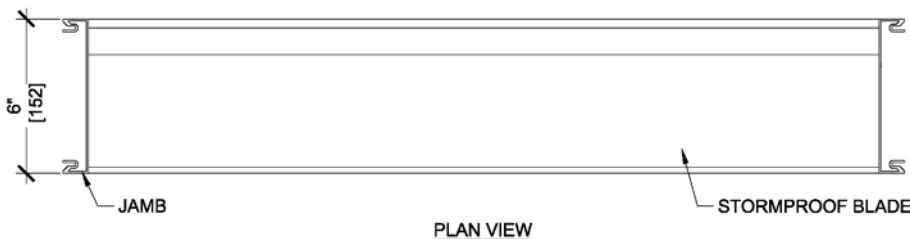
Blades shall be continuous, 0.090" (2.3 mm) 6063-T52 aluminum alloy with a storm hook design. Louvers shall be supplied with a 1/2" (12 mm), 19 gauge (1 mm) welded and regalvanized wire mesh in a mill finish, aluminum frame. Fasteners shall be standard zinc plated steel or stainless steel.

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 than 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 = 7.53 sq. ft. (0.700 m<sup>2</sup>)
- Free area velocity at point of beginning water penetration = 653 FPM (3.32 m/s)
- Intake pressure drop at beginning point of water penetration = 0.067 in. H<sub>2</sub>O (16.69 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.



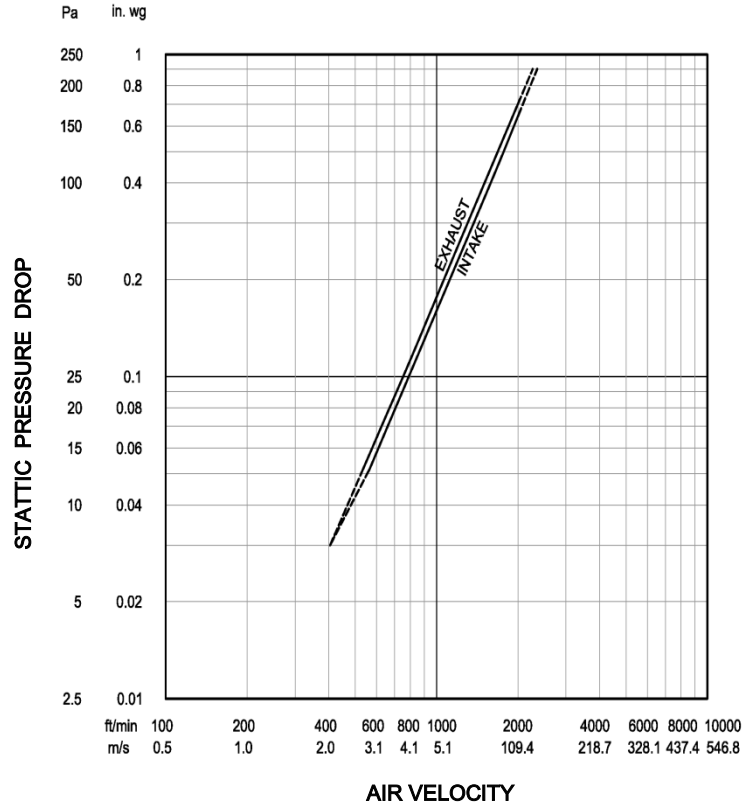
# PERFORMANCE RATINGS – LOUVER MODEL H6451

## FREE AREA CHART

		LOUVER WIDTH				
		12	24	36	48	60
INCHES						
MM		305	610	914	1219	1524
FREE AREA - SQUARE FEET / SQUARE METERS						
LOUVER HEIGHT	12	0.18	0.39	0.60	0.81	1.02
	305	0.02	0.04	0.06	0.08	0.09
	24	0.59	1.30	2.01	2.73	3.44
	610	0.06	0.12	0.19	0.25	0.32
	36	1.22	2.69	4.15	5.62	7.08
	914	0.11	0.25	0.39	0.52	0.66
	48	1.64	3.61	5.58	7.53	9.51
	1219	0.15	0.34	0.52	0.70	0.88
	60	2.27	4.99	7.71	10.42	13.14
	1524	0.21	0.46	0.72	0.97	1.22
	72	2.69	5.91	9.13	12.35	15.57
	1829	0.25	0.55	0.85	1.15	1.45
	84	3.10	6.83	10.56	14.28	18.01
	2134	0.29	0.63	0.98	1.33	1.67
	96	3.73	8.21	12.68	17.16	21.64
	2438	0.35	0.76	1.18	1.59	2.01
108	4.15	9.13	14.11	19.09	24.07	
2743	0.39	0.85	1.31	1.77	2.24	
120	4.57	10.05	15.53	21.01	26.50	
3048	0.42	0.93	1.44	1.95	2.46	
132	5.19	11.43	17.66	23.90	30.13	
3353	0.48	1.06	1.64	2.22	2.80	
144	5.61	12.35	19.09	25.82	32.56	
3658	0.52	1.15	1.77	2.40	3.03	

## AIR FLOW RESISTANCE

(TEST SIZE OF 4' X 4')



Ten Plus Architectural Products Ltd.  
 26 – 6535 Millcreek Drive  
 Mississauga, ON L5N 2M2  
 Phone: (905) 363-2306  
 Fax: (905) 363-2309  
 E-mail: info@tenplus-online.com  
 www.tenplus-online.com



Ten Plus Architectural Products Ltd. certifies that louver model H6451 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 H6451 January 12, 2012  
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