

# T6796

## Aluminum 35° Adjustable Blade Louver

Did you know specifying the Airolite T6796 adjustable blade louver for warehouse and distribution center applications can save you money? Airolite model T6796 offers the highest air intake volume capacity in its class due to the combination of extremely high free area and high velocity at Beginning Point of Water Penetration (BPWP). As a result you may design your applications with fewer louvers when compared to competitor equivalent products. Fewer louvers will result in lower first cost, lower installation cost and lower operational cost as a result of fewer electric actuators.

*\*For product specifications see reverse side.*



## Application Case Study

Warehouse ventilation consisting of 1,500,000 cfm intake through 96-inch wide x 96-inch high adjustable blade louvers; sizing louvers at 75% capacity against beginning point of water penetration.

	<i>Airolite T6796</i>	<i>Brand A Model 1</i>	<i>Brand A Model 2</i>	<i>Brand B Model 3</i>	<i>Brand C Model 4</i>
<i>Free Area 96 x 96 Louver (Sq Ft)</i>	38.61	31.88	36.86	34.62	34.90
<i>BPWP Free Area Velocity (FPM)</i>	1,107	1,155	846	880	922
<i>75% Capacity BPWP Free Area Velocity (FPM)</i>	830	866	635	660	692
<i>Free Area Required for 1.5M Intake CFM (Sq Ft)</i>	1,807.23	1,732.10	2,362.20	2,272.73	2,167.30
<i>Qty of 96 x 96 Louvers Required</i>	<b>47</b>	<b>55</b>	<b>64</b>	<b>66</b>	<b>62</b>
<i>Total Free Area (Sq Ft)</i>	1,814.67	1,753.40	2,359.04	2,285.92	2,163.80
<i>Avg Free Area Velocity (FPM)</i>	827	855	636	656	693
<i>Static Pressure Drop (in. wg)</i>	0.08	0.14 <sup>1</sup>	0.06	0.06	0.05

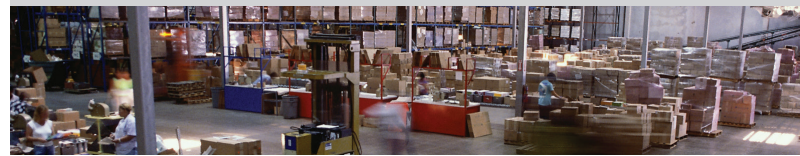
<sup>1</sup>Not desirable to exceed 0.10 in. wg and will require additional louvers.

**Fewer Louvers = Lower Costs**  
*Initial Cost, Installation Cost & Operational Cost*

# Suggested Specification

## Aluminum 35° Adjustable Blade Louver

Louvers shall be stationary style. Frame shall be 6 in. deep with 0.125 in. extruded aluminum wall thickness. Blades shall be drainable adjustable design positioned on approximately 4.5 in. centers with 0.081 in. extruded aluminum wall thickness. Louver performance shall be certified in accordance with the AMCA 511 Certified Ratings Program for AMCA 500-L Air Performance and Water Penetration and shall be licensed to bear the AMCA seal. Free area for a size 48 in. x 48 in. louver shall not be less than 8.73 Sq. Ft. (54.6%). Static pressure drop shall not be greater than 0.12 in. wg at 1,000 fpm free area intake or exhaust velocity. Beginning point of water penetration shall not be less than 1,107 fpm free area intake velocity.



## Available Finishes

Finish Type	Description/Application	Color Selection	Standard Warranty (Aluminum)
2-coat 70% KYNAR 500®/HYLAR 5000® AAMA 2605 – Dry film thickness 1.2 mil. 3-coat 70% Kynar 500®/Hylar 5000® AAMA 2605 – Dry film thickness 2.0 mil. (AKA: Duranar®, Fluoropon®, Trinar®, Flouropolymer, Polyvinylidene Fluoride, PVDF2)	“Best.” The premier finish for extruded aluminum. Tough, long-lasting coating has superior color retention and abrasive properties. Resists chalking, fading, chemical abrasion and weathering.	Standard Colors: Any of the 24 standard colors shown can be furnished in 70% or 50% KYNAR 500®/HYLAR 5000® or Acrylic Enamel.  2-Coat Pearlescent Mica: Aiolite offers 18 standard 2-coat Mica colors. Other colors are available. Consult Aiolite for possible extra cost when selecting non-standard colors or special finishes.	10 Years (Consult Greenheck for availability of extended warranty)
Acrylic Enamel AAMA 2603 – Dry film thickness 0.8 mil. (AKA: Acrabond Plus®, Duracron®)	“Good.” Provides good adhesion and resistance to weathering, corrosion and chemical stain.		1 Year
Color Anodize AA-M10C21A44 (>0.7 mil)	“Two-step” anodizing is produced by following the normal anodizing step with a second, colorfast electrolytic process.	Light, Medium or Dark Bronze; Champagne; Black	5 years
Clear Anodize 215 R-1 AA-M10C21A41 (>0.7 mil)	Clear, colorless and hard oxide aluminum coating that resists weathering and chemical attack.	Clear	5 years
Clear Anodize 204 R-1 AA-M10C21A31 (0.4-0.7 mil)	Clear, colorless and hard oxide aluminum coating that resists weathering and chemical attack.	Clear	1 Year
Mill	Materials may be supplied in natural aluminum or galvanized steel finish when normal weathering is acceptable and there is no concern for color or color change.		n/a

*Finishes meet or exceed AAMA 2605, AAMA 2604, and AAMA 2603 requirements. Please consult [www.greenheck.com](http://www.greenheck.com) for complete information on standard and extended paint warranties. Paint finish warranties are not applicable to steel products.*

For more information regarding the Aiolite T6796 louver visit [www.aiolite.com](http://www.aiolite.com) or consult your local Aiolite sales representative.



Workmanship. Partnership. Leadership.

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