



E SERIES DATA SHEET

Airocle's E Series is a two stage storm louvre. Designed to provide maximum weather protection with minimal panel depth.

The easy snap on bracketing system allows a continuous look together with the ease of installation

Computational Fluid Dynamic Analysis was done to obtain credible data on this louvre.

The additional weather lip on the E Series makes it the ideal louvre for applications where great weather protection is required.

- Depth of Blade = 125mm
- Blade pitch = 60mm
- Approximate Weight = 18kg/m²
- Pressure drop no greater than 40 Pascal at 3 m/s
- Available complete with all hardware
- Span Length for Region A & B – 1800 mm
- Span Length for Region C – 1500 mm

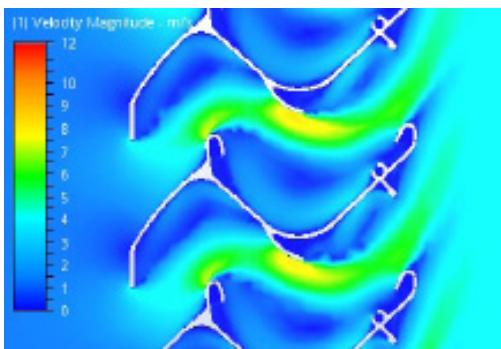


Figure 1: E Series CFD Testing, Velocity Vector

PERFORMANCE SPECIFICATIONS:

- Free Open Area, FOA = 45%
- Coefficient of Discharge, Cd = 0.38
- Effective Aerodynamic Area, EAA = 0.171
- Water Ingress Performance Min Effectiveness: E=0.992

PERFORMANCE LEVEL:

According to AS 4740: 2000 (Natural Ventilators— Classification and performance)

- Airflow Performance: Class 3

According to AS 4740: 2000 (Natural Ventilators — Classification and performance)

- Rain Penetration Performance: Class A

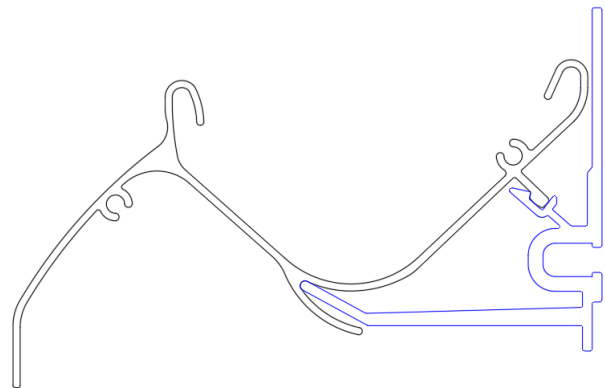


Figure 2: E Series Extruded blade in black and bracketing system in blue

IMPORTANT NOTES

It is important that the wind velocity through the free open area (FOA) of a louvre is identified. This will then determine the pressure drop of the louvre and will govern the degree of possible water penetration due to rain. No external louvre can carry a guarantee that water penetration will be prevented in all weather conditions involving wind and/or rain. When there is no control over the wind velocity passing through the louvre, the louvres' performance in relation to water penetration cannot be guaranteed. Airocle can assist in selecting a louvre with the right performance class, and understanding the circumstances around the louvre to minimize water ingress. Contact Airocle if you require assistance in choosing the most suitable louvre for your needs.

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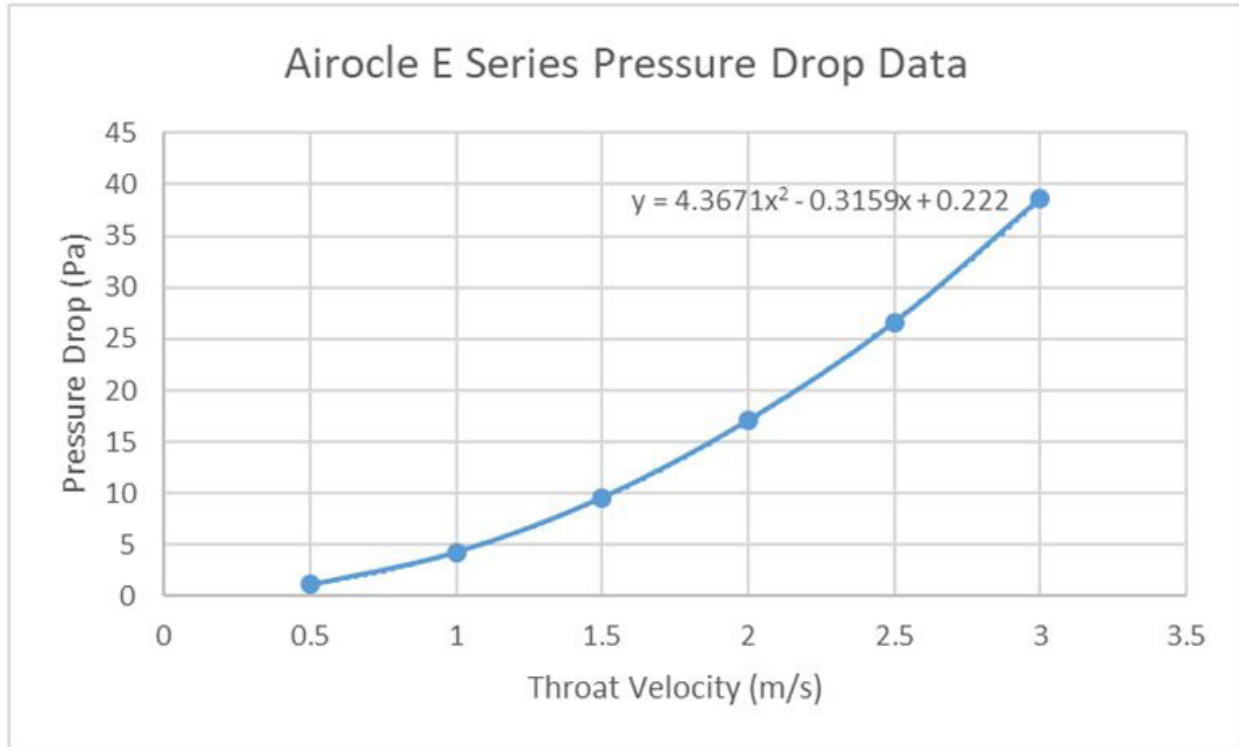


Figure 3: E Series Louvre Pressure Drop Graph for a 1m H x 1m W Louvre Panel

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