



4560



PLANT ROOM | VENTILATION

LOUVRE FREE AIR: 55% MINIMUM

PRODUCT DESCRIPTION

Single-stage horizontal 45 degree louvre with 54 mm blade pitch for effective ventilation and visual screening in plant rooms, risers and enclosures where weatherproofing is not critical. Supplied as Box Frame (4560 BF) or Angle Frame (4560 AF) modules with mullions as required.

MATERIAL

STANDARD - Australian extruded aluminium 6063-T5  
OPTIONAL - High quality Australian steel, vermin/bird mesh

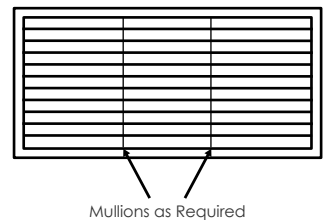
FINISH

STANDARD - Mill Finish or Natural Anodised  
OPTIONAL - Coloured anodised or powder-coated

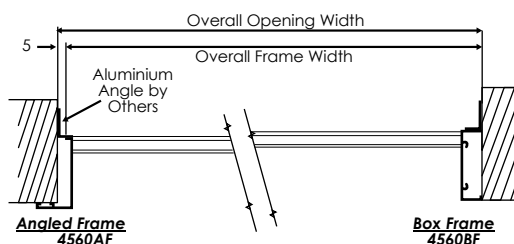
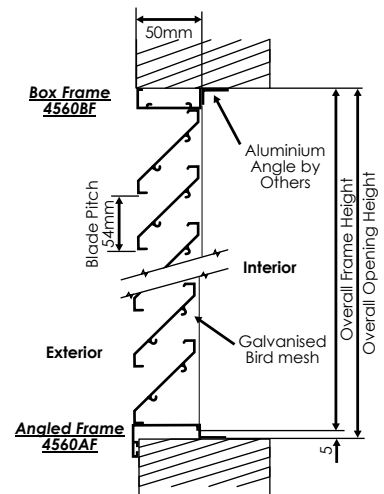
INSTALLATION

Factory-built modules in 4560 BF (box frame) or 4560 AF (angle frame) for fixing to prepared openings or sub-frames.

DESIGN & DIMENSIONS



NOTE: Single stage louvres by their design are not weatherproof. A clearance of 1 1/2 times the louvre height should be allowed between the louvre & equipment.



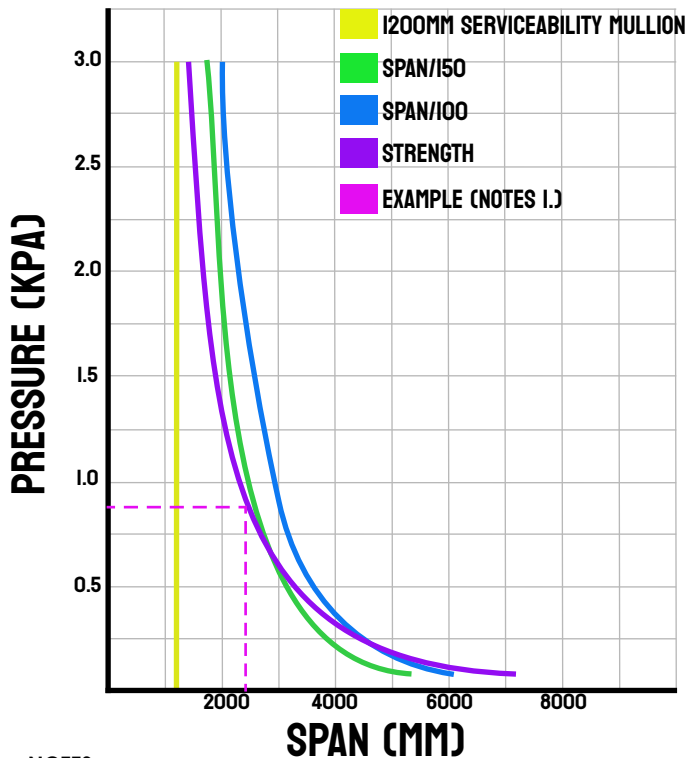


TYPICAL SECTION

4560

## ENGINEERING GRAPHS

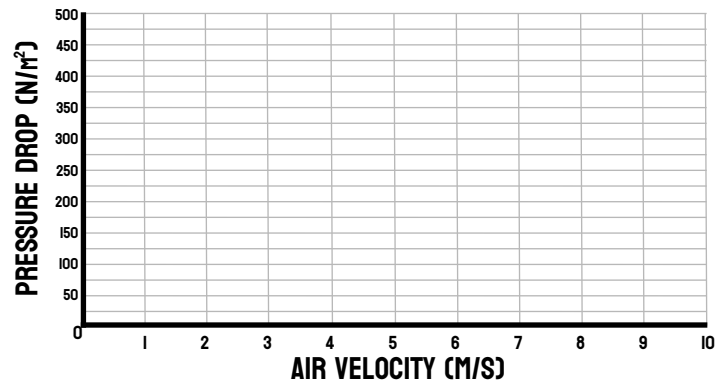
### SAFE LOAD TABLE



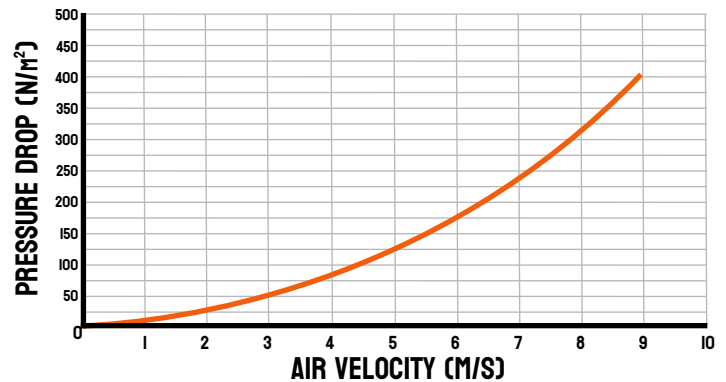
**NOTES:**

1. EXAMPLE: If the above louvre is required to resist a working pressure of 0.8KPa the maximum span possible is 2400mm
2. A serviceability mullion is required for lengths greater than 1200mm.
3. Two deflection curves are included to cover areas which are not governed by strength - i.e. Low pressure zones
4. The Span (mm) is the horizontal distance between mullions

### PRESSURE DROP MEASUREMENTS FLOW INSIDE TO OUTSIDE



### FLOW OUTSIDE TO INSIDE



Tests performed by: TECHSEARCH INCORPORATED  
Reports generated by: DARE SUTTON CLARKE ENGINEERS

### COMPLIANCE

**Structural design actions:** wind pressures by AS 1170

**Aluminium design/stresses:** AS 1664

Fabrication from 6063-T5 extrusions to industry tolerances; project-specific engineering available

ADA Louvres are completely Australian owned and made. We work to your specific needs with customisable sizing, finishes, and configurations to fit seamlessly into your home or business. For more information and a free quote please contact us at