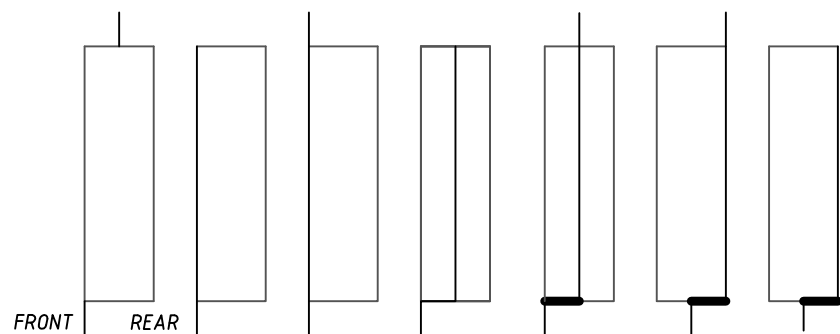


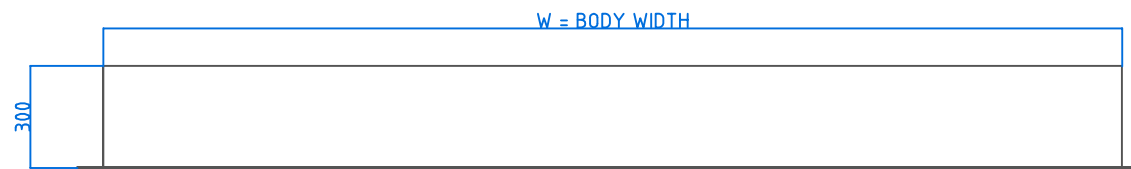
FRONT REAR
VERTICAL SECTION THROUGH ACOUSTIC LOUVRE



FRONT VIEW ACOUSTIC LOUVRE



FRONT REAR
FLANGES POSITIONED (OR OMITTED) TO SUIT CLIENTS' REQUIREMENTS



PLAN VIEW ACOUSTIC LOUVRE

LOUVRE SCHEDULE (TYPICAL)

McKENZIE-MARTIN ACOUSTIC LOUVRE SYSTEM

providing an effective means of reducing sound transmittance (20.4db at 2kHz) whilst allowing weathered ventilation.

Louvre blade incorporates sound absorption material contained within a double layer of perforated mesh. Inner layer 2mm diamond, black; outer layer 6mm diamond, black, or expanded aluminium mesh mounted to the rear of the louvre blade.

Louvre blades mounted horizontally at a vertical pitch of 200mm into a 300mm deep (nominal) box frame surround.

Available in pre-built modules for individual installation, or to be banked together to form continuous runs.

Accessories: System has a wide range of accessories available including bird guards, insect mesh, single skin blanking plates, insulated blanking plates, doors, perimeter flashings, edge details to interface with all types of cladding & building systems.

Finishes: Mill finish 1.2mm aluminium alloy to BS EN 485.

- OR- Plastisol coated 0.7mm steel in a full range of colours.
- OR- PVDF coated 0.7mm steel in a full range of colours.
- OR- Mill finish galvanised 0.9mm steel.
- OR- Aluminium alloy 1.2mm to BS EN 485 with a polyester powder paint finish (including Syntho Pulvin) in a wide choice of colours and gloss levels.
- OR- Galvanised 0.9mm steel with a polyester powder paint finish in a wide choice of colours and gloss levels.
- OR- Pre-coated units manufactured using a wide range of coated aluminium and steel substrates including HPS200 & Prisma, in a full range of colours.
- OR- Available using a wide variety of sheet materials including stainless steel, zinc, aluzinc, bronze & copper.

Technical Information- System to have louvre blade configuration specifically designed, evaluated and tested by Salford University's Faculty of Applied Acoustics and Department of Aeronautical and Mechanical Engineering.

System to have been subjected to a series of controlled sound transmission tests, following the procedure detailed in BS2750: Part 3: 1980, 'Recommendations for Field and Laboratory Measurements of Airborne Sound Transmissions in Buildings'.

Unit to provide the following minimum noise reduction levels for each frequency:-

Frequency	Sound Reduction Index
63Hz	3.0dB
125Hz	6.7dB
250Hz	9.3dB
500Hz	13.4dB
1000Hz	17.7dB
2000Hz	20.4dB
4000Hz	17.0dB
8000Hz	14.7dB

Average Sound Reduction Index, R_{ave} (100-3150Hz) - 13.6dB
 Weighted Sound Reduction Index, R_w - 17dB
 Aggregate adverse deviation - 23.1dB
 STC Rating - 17dB
 ASTM E413-73

Aerodynamic Co-efficient - 0.278

Standard louvre blade depth - 300mm

Profile Thickness - 0.7mm (steel) - 1.5mm (aluminium).

Louvre blade vertical pitch - 200mm.

Approximate weight of unit = 44 kg/m².

Design: Acoustic & Aerodynamic performance provided above to allow pressure loss and airflow rates to be calculated by the Project Mechanical Consultant.

All design details/specifications are to be approved by Architect/Agent before manufacture..

McKenzie-Martin Ltd
 Ventilators - Louvres - Rooflights

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Title: ACOUSTIC LOUVRE		Project:					
Drawn By: CJF	Date: 04-08-14	Checked By: -	Approved Date: -	Scale: NTS	Job No. -	Drg. No. MM-ACOUSTIC	
						04-08-14	CJF
						Date	Sig.