



HA₂
HOTCHKISS
AIR ACOUSTICS



L A A c o u s t i c L o u v r e s

Description

Hotchkiss Air Acoustics offer a range of acoustic louvres that are designed to ensure optimum acoustic performance with efficient weather resistance capability and aesthetic properties.

LA acoustic louvres are available in either single bank LA1, or the higher acoustic performance double bank LA2 version.

LA standard size range acoustic louvres are available from 600mmW to 1800mmW and 450mmH to 1800mmH, incremental in 150mm steps. Non-standard options are available upon request.

Construction

Standard LA acoustic louvres are manufactured from 1.2mm prime quality galvanised sheet steel external case frames. The louvre blades are manufactured using 1.0mm galvanised sheet steel upper blade element and 0.8mm perforated galvanised sheet steel lower blade element retaining the 45kg/m³ acoustic media.

Special Finishes

Alternative construction finish options are available with LA acoustic louvres fabricated using plastisol-coated steel for the louvre case and upper blade elements, in a range of standard colours. A further option allows for LA louvres to be supplied with polyester powder coat paint finish, to BS/RAL standard colour range.

LA Louvre Options

- Matching Profile non-acoustic section louvres
- Matching Profile "dummy" section louvres
- 4-sided "penthouse" louvre arrangement
- Multi-section louvres
- Screen wall louvre section

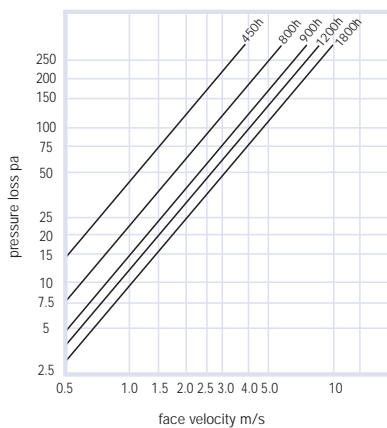
LA Acoustic Louvre Performance

The sound reduction index for LA1 and LA2 acoustic louvres.

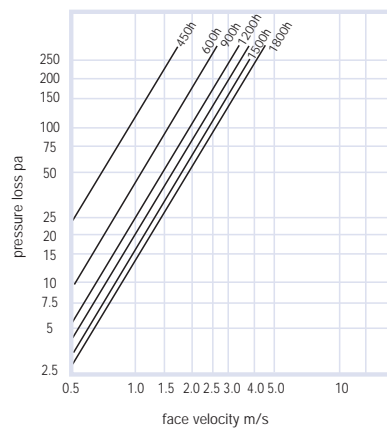
hz	63	125	250	500	1k	2k	4k	8k
LA1	3	5	7	11	16	20	15	14
LA2	7	8	11	20	29	31	29	26

LA Acoustic Louvre Pressure Loss

LA1 Single Bank Acoustic Louvre



LA2 Double Bank Acoustic Louvre



Note the graphs refer to ducted intake from atmosphere. For ducted discharge to atmosphere apply a correction factor of 1.24. For "plenum" conditions either side of the acoustic louvre apply a correction factor of 1.4.

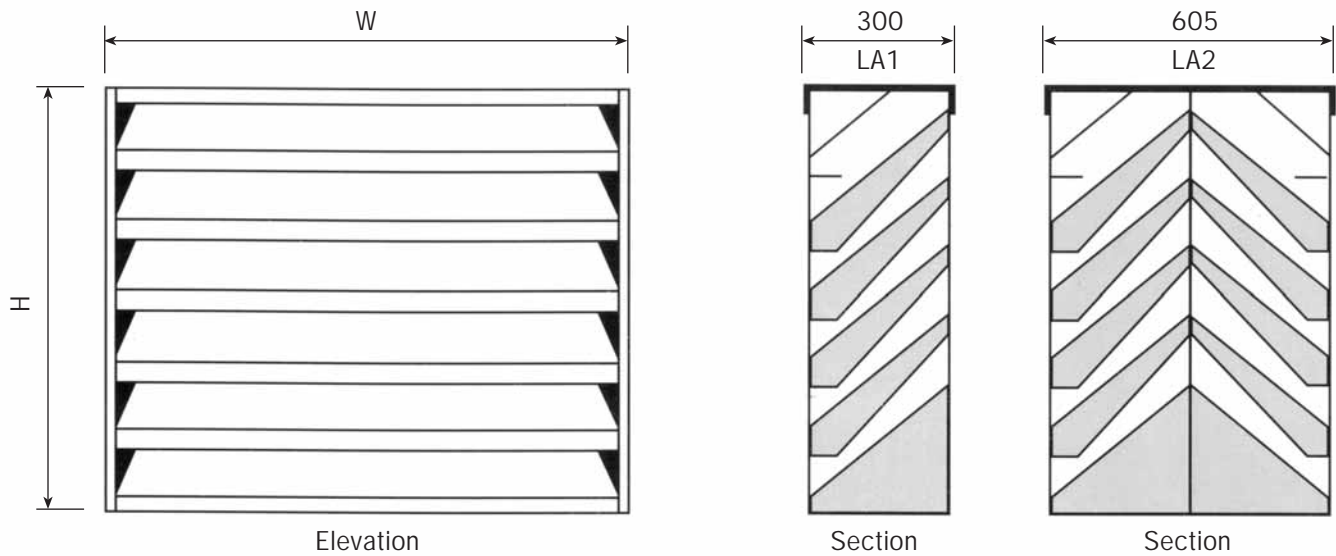


Table of standard dimensions & acoustic louvre weights

Height	Width								
	600	750	900	1050	1200	1350	1500	1650	1800
450	12	15	18	21	24	27	30	33	36
600	16	20	24	28	32	36	40	44	48
750	20	26	32	37	44	50	53	59	63
900	24	32	41	47	55	63	67	75	80
1050	29	39	51	58	67	77	83	92	98
1200	36	46	64	71	81	92	100	109	116
1350	42	54	75	85	96	108	116	127	134
1500	48	63	86	99	110	123	131	141	149
1650	53	70	96	112	122	137	144	155	164
1800	59	77	105	124	135	151	159	172	180

Optional Extras for Acoustic Louvres

- Bird mesh screen
- External architrave section (picture frame)
- External flange frame
- Internal proprietary flange for duct connection
- Weather flashing

Acoustic Product Range

RAF Rectangular Attenuators & Splitters

Primary Plant Attenuators



CR3 & CR4 Circular Attenuators

Circular Attenuators for Axial Fan Applications



RAS Rectangular Attenuators

Cross Talk & Terminal Attenuators



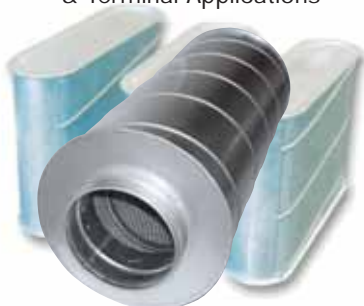
Ovaline Attenuators

Flat Oval Attenuators for flat oval ducted systems



CR2 Circular Attenuators

Circular Attenuators for "small" Cross Talk & Terminal Applications



LA Acoustic Louvres

External Acoustic Weather Louvres



Soundpac

Innovative Acoustic Foam "Insert" for circular & rectangular "small" duct applications



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