Datasheet

NAL150
Acoustic Louvre

Acoustic Louvre

Naco's range of Acoustic Louvre panels have been engineered to reduce noise for applications in places such as plant rooms, sports arenas, hospitals and schools.

These can be supplied as units suitable for fitting into formed openings or assembled onto a supporting structure. The units can either be singular in design or appear as a continuous installation.

Where supporting steelwork is required, Naco are able to provide a complete solution, from drawings to supply and fixing of the steelwork and louvres, or provide supply only.

Naco's continuous sightline construction combines the flexibility of modular construction with the aesthetic appeal of a continuous run in both horizontal and vertical planes.

Product Specification

Materials
Zinc plated steel sheet formed to required profile. (Optional construction in aluminium)

Frame 18g
Blades 22g
Perforated sheet 16g
Bird wire guard 18g expanded aluminium, fitted as standard.

Acoustic Material
Rockwool RW3, with non-woven mineral black tissue finish. RW3 is highly water resistant, non-combustible and vermin proof.

Construction
Aluminium louvres are fabricated, finished and assembled, with the acoustic material fitted last.

Steel louvres are fabricated, assembled and finished with the acoustic material fitted last.

Continuous sightline construction also available.

Doors
Doors are available with dummy blades with an insulated blanking plate fitted as standard.

Dimensions
Maximum single panel area: 2.25m^2
Maximum single panel width: 1500 mm
Maximum single panel height: 1975mm
Minimum height: 340mm

Contact us for larger, multiple panel sizes.

Finishes
Aluminium louvres are available with a polyester powder coating to the RAL colour range, or with a natural anodised coating.

Steel louvres are available galvanised or with a polyester powder coating to the RAL colour range.

Key Figures

Free Area	28%
Frame Depth	150mm
Blade Pitch	150mm
Cd coefficient	0.234

Note
Note: the perforated sheet is pre-galvanised in all cases and bird wire guard is mill finish as standard.

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Swegon Air Management

Acoustic Louvre Range - Technical Data

Hz	125	250	500	1K	2K	4K	8K
NAL150	7	5	8	14	15	16	17
NAL300	9	8	12	16	15	15	17
NAL300C	9	9	15	22	23	24	25
NAL600C	14	17	17	25	25	25	30

Transmission Loss (dB)
(Sound Reduction Index)

Transmission loss is the ratio in decibels of the acoustic energy transmitted through the louvre, to that incident upon it, stated as a function of frequency.

Hz	125	250	500	1K	2K	4K	8K
NAL150	13	11	14	20	21	22	23
NAL300	15	14	18	22	21	21	23
NAL300C	15	15	21	28	29	30	31
NAL600C	20	23	23	31	31	31	36

Free Field Noise Reduction (dB)

Free field noise reduction is the difference in decibels between the sound pressure level on the noise side and that measured on the opposite side at 1500 mm from the louvre.

Pressure Loss (Pa)

Face Velocity m/s	0.5	1.0	1.5	2.0	2.5	3.0
NAL150	3	11	25	45	70	101
NAL300	4	14	32	58	90	130
NAL300C	5	21	47	83	129	186
NAL600C	6	23	53	93	146	210

Panel Weight (Kg/m²)

NAL	150	300	300C	600C
Steel	30	41	60	82
Aluminium	22	30	44	60

Naco Site Services

Installation

If you need on-site support we provide a direct installation service by our Naco Installation Team.

This enables you to provide a fixed cost supply and installation service to your customers and frees up your own resources.

With the high commitment we offer towards managing our projects and health and safety considerations, we are able to work in all site environments and undertake risk assessments and method statements as a standard part of our working practice.

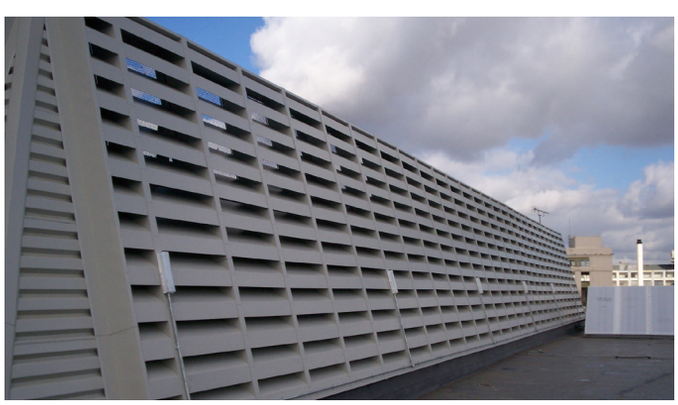
Project Support

Naco designs and manufactures louvres to your project requirements.

We will work with you to provide full design assistance, construction drawings and manufacture louvres to your project specification.

We have experience in ensuring we meet the bespoke ventilation needs for your project.

Installation Photos



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