

EXTERNAL PLANT ENCLOSURE

– LOUVRED

Acoustic Hardware Ltd's Louvred Enclosures include acoustic louvres at the front and side of the enclosure, providing minimum enclosure volume with medium acoustic attenuation performance. This allows the AC units to operate without adverse effects, whilst meeting client and planning noise criteria.

All Louvred Enclosures are bespoke items and are designed to ensure that;

- Cumulative pressure put on the AC units is below 20Pa;
- Maintenance access meets manufacturer's requirements;
- Noise levels meet client / planning requirements;
- Recirculation of air is minimised; and
- Weather hardy – powder coated to any colour.

A number of different acoustic louvre configurations can be implemented in the design with different sound reduction performances / pressure drops.

Options

Galvanised Steel or Aluminium construction available.
 Polyester Powder coated (PPC) to any standard RAL colour (RAL xxxx).
 Installation included.

Ordering

All Enclosures are made to order. Enclosure can be designed to meet client's acoustic specification or AHL can survey and specify an enclosure.
 Planning report service also available.

Acoustic Performance

Depending on space constraints / noise criteria / airflows associated with the AC units the following direct sound reduction performances (dB) can be achieved:

Louvre Type	125	250	500	1k	2k	4k	Overall Sound Reduction*
100mm Acoustic Louvre	5	4	5	6	9	13	7
Birds Eye (Low Pressure)	4	5	8	9	12	9	9
150mm Acoustic Louvre	6	6	8	10	14	18	10
Birds Eye (Standard Pressure)	5	7	11	12	13	14	11
300mm Acoustic Louvre	6	7	10	12	18	18	12
150mm Acoustic Louvre (Double Banked)	7	8	10	20	24	33	15
300mm Acoustic Louvre (Double Banked)	7	9	12	24	31	33	16

**Typical single figure Sound Reduction (dB) based on Mitsubishi PUMY P112 unit*



MANCHESTER OFFICE
 8 Bradley Street, Manchester, M1 1EH

T: 0161 250 3279 E: info@acoustichardware.co.uk W: acoustichardware.co.uk

Acoustic Hardware Ltd. Company Reg No 10481040