

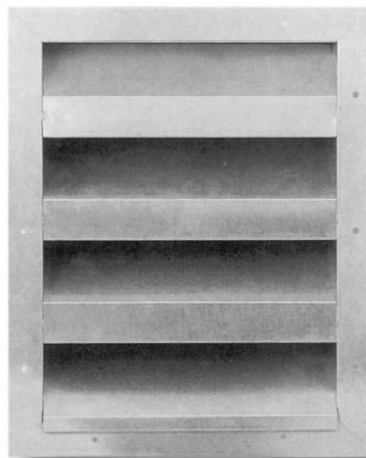
ACOUSTIC LOUVERS

Rev.02
27-05-2015



GMC ACL-063 PRODUCT SPECIFICATIONS:

- Standard Material: Galvanized Steel Sheet. Optional: Aluminum or Stainless Steel.
- Used as supply and return louver on air duct systems to reduce noise level.
- Insulation layer is made from glass-wool with 50kg/m³ density, long life material.
- In addition to this noise attenuation function, the louver provides keeping birds, large insects, rain, dust etc. out.
- Has two models: Standard Model (ACL-163) and Twin-Sided Model (ACL-263).
- On request, wire screen can be added in middle section to improve protection against external factors.
- Acoustic louvers are manufactured partially and assembled at working location.
- Mounted with 4mm screws, clips or plate-spring with appropriate quantity.
- Electrostatic powder coating (oven-drying) with the color from RAL catalogue.



HVAC Systems and Equipments Co.
4640 Hedgoxe Road 227 Plano, TX 75024 – US

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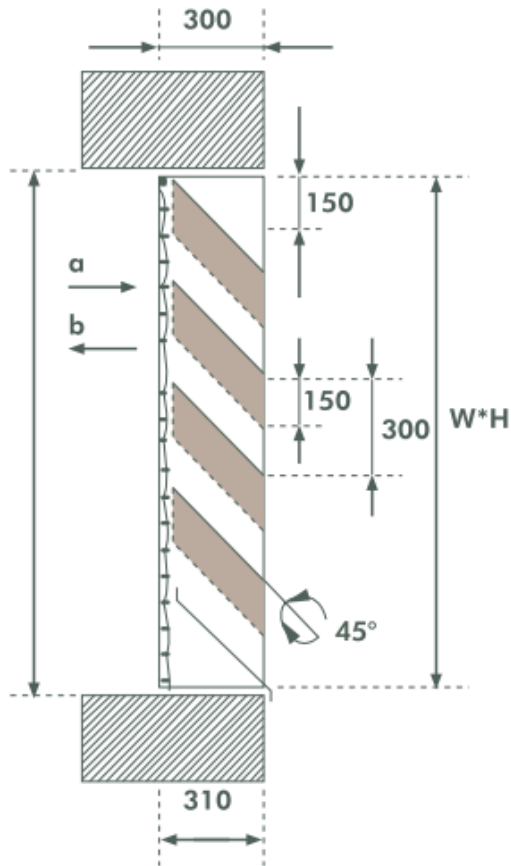
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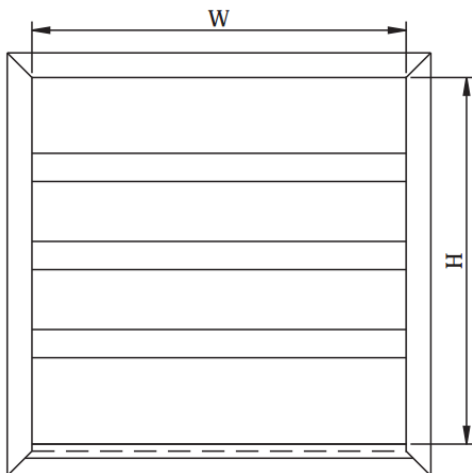
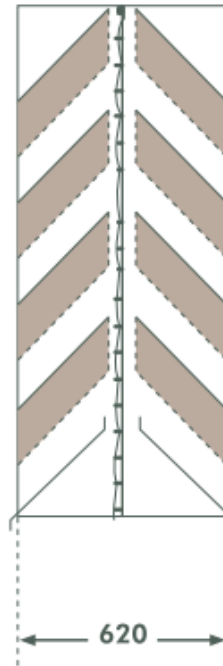


TECHNICAL DETAILS

ACL-163



ACL-263



ACL-163/263 STANDARD SELECTION TABLE

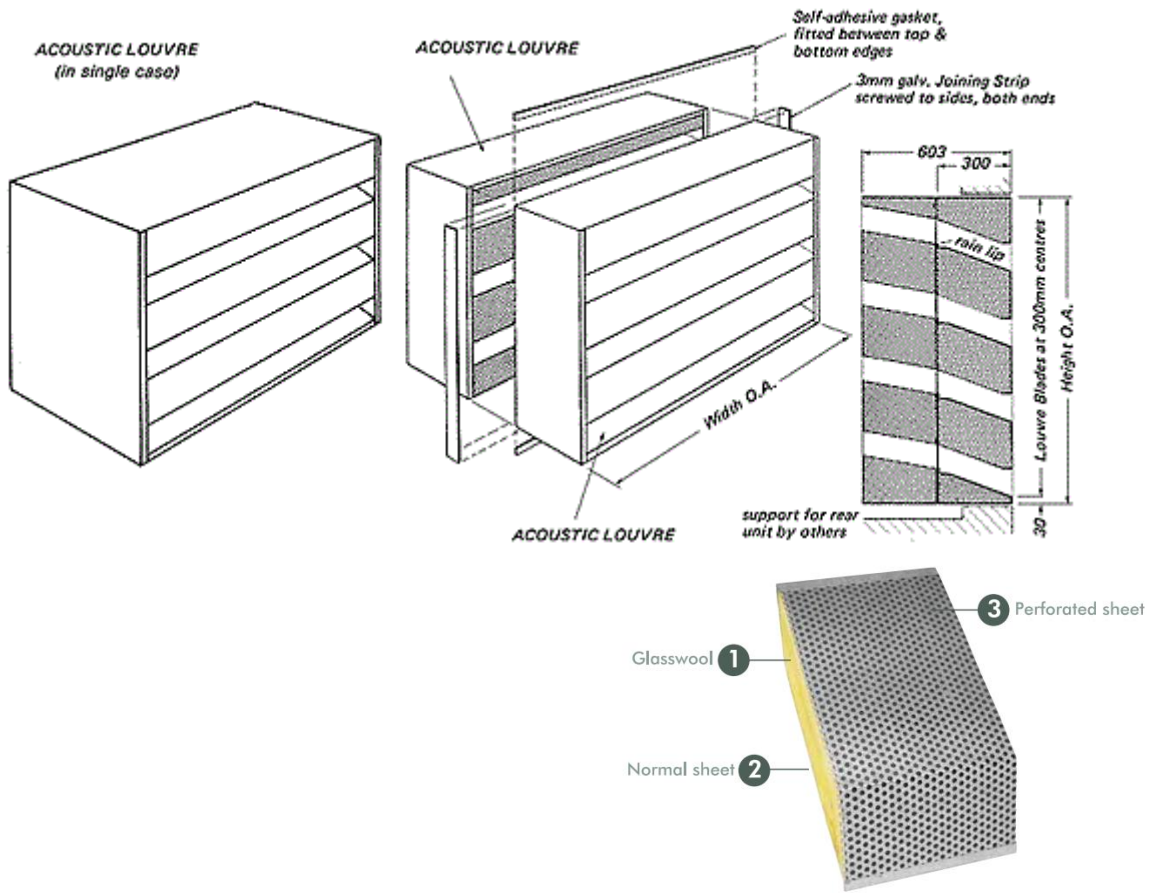
W*H mm	Effective area m ²	Air volume m ³ /h
500*500	0,125	1350
800*500	0,2	2160
900*500	0,225	2430
1000*500	0,25	2700
1200*600	0,36	3888

* Air volume for 3m/s air velocity.



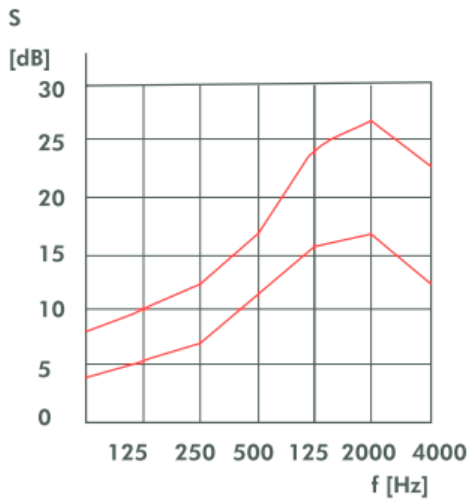
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DATA DIAGRAMS

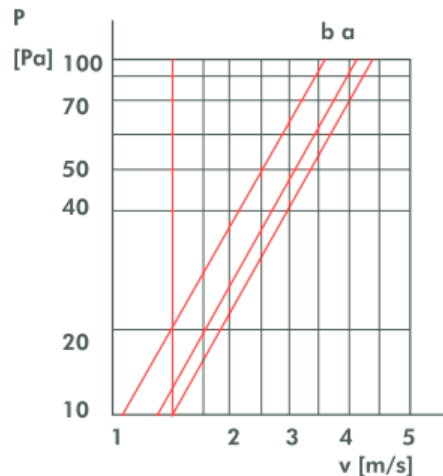
Noise Level Diagram



$$v \text{ [m/s]} = \frac{V \text{ [m}^3\text{/h]}}{3600 A \text{ [m}^2\text{]}}$$

$$A = W * (H - 0,29)$$

Pressure Loss Diagram



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ORDER PARAMETERS

ACL-063	G	F220	00	EX	CM	N 300X300
ACL-163: Single-Sided ACL-263: Twin-Sided						N: Neck Size
G: Galvanised A: Aluminum S: Stainless Steel						00: No Mounting SM: Screw Mounting CM: Clips Mounting PM: Plate-spring Mounting
F220: Frame=22 mm F325: Frame=32,5 mm						00: No coating EX: Eloxal Coating OD----: Oven Drying Coating
00: No Wire Screen 01: Wire Screen Added						

