**Louvre 450**

Renson Ventilation, IZ 2 Vijverdam, Maalbeekstraat 10, 8790 Waregem – België

Tel. +32 (0)56 62 71 11, fax. +32 (0)56 60 28 51, [info@renson.be](mailto:info@renson.be) www.renson.eu

The louvre 450 is equipped with blades for extreme weatherability and as standard a fixed built-in frame.

product CHARACTERISTICS (red marked may be erased according to users’ choice)

* Blades and frame profiles: aluminium AlMgSi 0.5
* Finish: powder-coated (60-80 micron) in all possible RAL colors.
* Mesh: antistatic inox 304 insect mesh 2,3 x 2,3 mm fixed tightly with the use of a nylon cord.
* Water channel: To ensure a better drainage, this profile is mounted below the lowest blade as well as above the highest blade. This water channel is made from aluminium AlMgSi 0,5 and will be powder-coated in the same RAL color as the louvre.
* The louvre applies to **HEVAC class A2 at a suction fan speed of 3 m/s.**
* To guarantee the sealing, the louvre frames are screwed.
* Aluminium profiles with thickness 1,8mm. Aluminium blade supports are riveted on the vertical perforated frame-profiles.
* The blades with a height of 89,6 mm are clipped onto the support profiles.
* Blade pitch of 50 mm.

The wave-shaped blades provide the combination of aesthetic and technical louvre characteristics. This louvre can be perfectly combined with the similar continuous louvre system L.050W.

Remark: In order to strengthen the whole construction, louvres wider than 700 mm are provided with an extra perforated U-profile to fix additional blade supports.

PERFORMANCE

Airflow:

* K-factor suction:10,47
* K-factor discharge:16,52
* Ce-coëfficient:0,309
* Cd-coëfficient:0,246

Free area:

* Physical free area:57%

Protection:

* IP class:IP2XD
* HEVAC-class 0,0 m/s: **A2**
* HEVAC- class 0,5 m/s: **A2**
* HEVAC- class 1,0 m/s: **A2**
* HEVAC- class 1,5 m/s: **A2**
* HEVAC- class 2,0 m/s: **A2**
* HEVAC- class 2,5 m/s: **A2**
* HEVAC- class 3,0 m/s: **A2**
* HEVAC- class 3,5 m/s: **C2**

Built-in depth : 159 mm

Total depth : 160 mm

STANDARDS (This product has been been designed to and/or has been tested according to following standards)

EN 13141-1

EN 12020-2  
EN AW 6063 T66  
EN 60529 (IP classification)

EN 13030 (weatherability)