**BUILT-IN WALL LOUVRE TYPE RENSON 449/225**

**SPECIFICATION SHEET**

Louvre type Renson 449/225 is a built-in ventilation louvre and has the following properties :

* **Acoustic Performance**

According to :

* + EN ISO 10140:2021
  + EN ISO 717-1:2020

Tested with dimensions width x height = 1.23m x 1.48m

* + Sound reduction index Rw (C;Ctr) = 13 (-0;-3) dB
  + Sound reduction related to frequency :

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| F (Hz) | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| R in dB | 7,8 | 4,7 | 4,6 | 7,7 | 15,0 | 18,1 | 14,3 |

* + To be submitted: independent test report (PEUTZ nr. A 4328-5E-RA-001)
* **airflow**
  + physical free area: 37%
  + aerodynamic properties according to EN 13030:2001 (with mesh 2.3 x 2.3 mm), tested with dimensions width x height = 1m x 1m.
    - resistance factor entry K = 1/ce² = 19.07 ; ce = 0.229
    - resistance factor discharge K = 1/cd² = 21.43 ; cd = 0.216
  + To be submitted : independent test report (BSRIA, 105079/2)
* **Weatherability** (EN 13030:2001)
  + with mesh 2.3 x 2.3 mm (without option water channel)
    - class C at 0.0 m/s air entry or anytime air discharge
    - class C at 0.5 m/s air entry
    - class D at 1.0 m/s air entry
  + documents to be submitted : independent test report (BSRIA, 105079/2)
* **aesthetics**
  + visual screening
    - horizontally visually closed, by applying a blade pitch which does not exceed the blade height
    - blade pitch = 170mm
    - blade height = 312mm
  + invisible connections
  + mitred, pressed corners
* **material**
  + extruded aluminium profiles (AlMgSi0.5, EN AW 6063 T66)
  + made with mesh composed of stainless steel 18/8: mesh size 6mm x 6mm
  + surface treatment:
    - anodised in natural colour EV6/EV1 (20 micron)

**OR**

* + - polyester powder coated
* **fitting depth** : 230mm
* **installation** : according to the instructions of the producer
* **options** 
  + Alternative mesh types: mesh size 2,3mm x 2,3mm or 10mm x 10mm.
  + Water channel