**RENSON® WINDOW VENTILATION SPECIFICATIONS**

**Product : Sonoslot®**

**Manufacturer and reference:**

The Sonovent® is manufactured and supplied by Renson Ventilation Tel: 01622 754 123

Email: vents@rensonuk.net

**Description:**

The RENSON® Sonoslot® is an acoustic, self-regulating slotvent kit. External profile is perforated (3,9 x 10,7mm) to act as an insect mesh. Internal slotvent deflects, in open position, the incoming air upwards for an optimal spread of fresh air in the room. Plastic sleeve with integrated sound-absorbing baffle is placed in-between.

**Ventilator Construction:**

Internal and external profile: manufactured from aluminium alloy Al Mg Si 0.5.

End caps: PP (colour-fast, weather and UV-resistant).

Noise-damping baffle: sound absorbing foam.

**System operation and performance:**

Self-regulating

Thermal conductivity: U-value = 1,4 W/m²K

Watertightness: n.p.d.

Air leakage (closed): < 15% at 50 Pa

 **275 mm 375 mm 475 mm 700 mm**

Dn,e,w (C;Ctr) open (dB) 38 (0;0) 37 (0;0) 36 (0;0) 34 (0;0)

Dn,e,w (C;Ctr) closed (dB) n.p.d n.p.d n.p.d n.p.d

Q at 1 Pa (l/s/) 1,0 1,3 1,7 2,5

Q at 1 Pa (m³/h) 3,6 4,5 6,0 9,0

Q at 2 Pa (l/s ) 1,4 1,7 2,3 3,4

Q at 2 Pa (m³/h) 5,0 6,2 8,3 12,4

Q at 10 Pa (l/s) 3,2 4,0 5,3 8,0

Q at 20 Pa (l/s) 3,3 4,2 5,6 8,4

Equivalent area (mm²) 1273 1607 2121 3181

**Dimensions / Size Range:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **275 mm** | **375 mm** | **475 mm** | **700 mm** |
| Height | 35 mm |
| Length | 275 mm | 375 mm | 475 mm | 700 mm |
| Slotsize opening | (105,5x16)+24+(105,5x16) mm | (105,5x16)+14,3+(105,5x16) )+14,3+(105,5x16) mm | (105,5x16)+7,5+(105,5x16)+7,5+ (105,5x16)+7,5+(105,5x16) mm | (105,5x16)+7,5+(105,5x16)+7,5+ (105,5x16)+7,5+ (105,5x16)+7,5+ (105,5x16)+7,5+(105,5x16) mm |
| Length acoustic foam | 2x103 mm | 3x103 mm | 4x103 mm | 6x103 mm |
| Depth acoustic foam | 70 mm |
| Depth plastic sleeve | 90 mm |

**Surface treatment:**

Natural anodised (EV6/EV1-SAA) process (20 micron): pre-treated and anodised.

Polyester powder coating in Renson standard white (=AXALTA AE90019148021=BEL 9010), 9005, 1247 (60 to 70 micron): aluminium profiles pre-treated to resist corrosion to guarantee.

End cap colours: white or black

**Controls Option:**

Continuous adjustment.

Optionally permanently open (by clicking a special clips in the interior slotvent)

**Installation:**

Installed into window frame (aluminium, timber or uPVC) by fastening endcaps on the ends of the aluminium profiles. Silicone inserted to guarantee good water seal. Baffles can be shortened.

**Standards:**

EN ISO 140-10, EN ISO 717-1, EN 1026, EN 1027, EN 13141-1, EN 12020-2, EN AW 6063 T66, EN 10077-2, DIN 16491