**RENSON WINDOW VENTILATION® SPECIFICATIONS**

**Brand : Sonovent®**

**Type : Sonovent® Small – Medium – Large - XLarge**

**Manufacturer and reference:**

The Sonovent® is manufactured and supplied by Renson Ventilation Tel: 01622 754 123 Email: vents@rensonuk.net

**Description:**

The RENSON® Sonovent® is a self-regulating, thermally broken, acoustic window ventilator. Perforated inner profile acts as an insect mesh and is removable. Combines high airflow with high acoustic performance.

**System operation and performance:**

Self-regulating: class P3 (good self-regulation).

Thermal conductivity: U-value = 4.5 W/m2K.

Wind resistant: closed position 650Pa.

Watertightness: open position 50Pa and closed position 650Pa.

 **Small Medium Large XLarge**

Dn,e,w (C;Ctr) open (dB)

Airslot 10 mm 46 (-1;-5) 48 (-2;-6) 50 (-2;-6) 56 (-2;-6)

Airslot 15 mm 41 (-1;-2) 45 (-2;-6) 49 (-2;-7) 53 (-2;-6)

Airslot 20 mm 40 (-1;-3) 43 (0;-3) 44 (-2;-6) 46 (-2;-6)

Airslot 25 mm 37 (-1;-3) 39 (-1;-4) 41 (-2;-6) 45 (-2;-6)

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

Q at 1 Pa = 2 Pa m³/hr/m

Airslot 10 mm 50,2 49,5 45,7 40,8

Airslot 15 mm 83,7 75,0 72,2 61,0

Airslot 20 mm 90,0 94,2 90,7 87,9

Airslot 25 mm 95,6 96,3 94,5 92,4

Q at 1 Pa = 2Pa l/s/m

Airslot 10 mm 14,0 13,8 12,7 11,3

Airslot 15 mm 23,3 20,8 20,1 17,0

Airslot 20 mm 25,0 26,2 25,2 24,4

Airslot 25 mm 26,6 26,7 26,3 25,7

Equivalent area: mm²/m

Airslot 10 mm 17756 17509 16153 14427

Airslot 15 mm 29593 26511 25524 21578

Airslot 20 mm 31813 33292 32059 31073

Airslot 25 mm 33786 34032 33416 32676

**Dimensions / Size Range:**

Glass reduction (glazed in): 130 mm (flange 20 mm) /135mm (flange 25 mm)

Glass reduction (at transom): 140 (flange 20 mm) / 145 (flange 25 mm)

Height: 105mm (with flange profiles: 145, 150, 155mm)

Depth (top/bottom): 205/170 mm (S) - 245/210 mm (M) – 285/250 mm (L) – 325/290 mm (XL)

Flange height: 20 or 25mm.

Fits to glass depths of: 20, 24, 28, 32mm (other thicknesses available on request).

Maximum length: 2000mm (glass) or 2500mm (transom).

**Ventilator Construction:**

Profile: manufactured from aluminium alloy Al Mg Si 0.5.

Thermal bridge: extruded uPVC.

Pivoting and self-regulating flap: PVC.

End caps: ASA polymer type Luran S (colour-fast, weather and UV-resistant).

Sound absorbing material: non-combustible mineral wool.

**Surface treatment:**

Satin anodised (EV6/EV1) (20 micron): pre-treated and anodised.

Polyester powder coating in any RAL colour (60 to 70 micron): aluminium profiles pre-treated to resist corrosion to guarantee (dual colour possible).

End cap colours: white or black (other colours available on request).

**Controls Option:**

Manual: rod or cord optional (continuous adjustment).

Motorised: 24V DC (not for glazed-in installations).

**Installation:**

Intended for mounting on glass but can be installed at transom (timber, PVC or aluminium). Thermal break positions can change.

**Standards:**

EN ISO 140-10, EN ISO 717-1, EN 1026, EN 1027, EN 13141-1, EN 12020-2, EN AW 6063 T66, NBN D50-001, EN 1077-2.