**RENSON WINDOW VENTILATION® SPECIFICATIONS**

**Brand : Sonovent®**

**Type : Sonovent® I**

**Manufacturer and reference:**

The Sonovent® I is manufactured and supplied by Renson Ventilation

Tel: 01622 754 123 Email: vents@rensonuk.net

**Description:**

The RENSON® Sonovent® I is a thermally broken window ventilator with a superior sound absorption and high airflow. The perforated inner profile acts as an insect mesh (removable for cleaning purposes).

Optionally available with Pollux filter: for strongly fine dust and pollen impacted environments.

**System operation and performance:**

Not self-regulating

Thermal conductivity: U-value = 5.2 W/m2K

Watertightness up to 50Pa in open position

Watertightness up to 650Pa in closed position

Air leakage at 50Pa: <15% in closed position

**Airflow and sound reduction:** Small Medium Large Xlarge

Dn,e,w (C;Ctr) open (dB) 32 (-1;-3) 33 (-1;-3) 35 (-1;-4) 36 (-1;-4)

Dn,e,w (C;Ctr) closed (dB) 44 (-1;-4) 48 (-1;-5) 49 (-2;-5) 49 (-1;-5)

Q at 1 Pa (l/s/m ) 34,2 34,6 34,1 33,9

Q at 1 Pa (m³/h/m) 123,1 124,6 122,8 122,0

Q at 2 Pa (l/s/m ) 48,2 48,7 48,0 48,0

Q at 2 Pa (m³/h/m) 173,5 175,3 172,8 172,8

Q at 10 Pa (l/s/m) 107,8 107,1 107,3 107,3

Q at 20 Pa (l/s/m) 152,4 150,5 151,8 151,8

Equivalent area (mm²/m) 43520 44029 43392 43138

**Dimensions / Size Range:**

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

Height: 105 mm (total height with flange profiles: 145 or 150 mm)

Flange height: 20 or 25 mm

Depth: 170 mm (Small), 210 mm (Medium), 250 mm (Large), 290 mm (Xlarge)

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

Maximum length: 2000 mm (glazed-in) or 2500 mm (at transom)

**Ventilator Construction:**

Profile: manufactured from aluminium alloy Al Mg Si 0.5.

Thermal bridge: extruded uPVC.

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

Sound absorbing material: non-combustible mineral wool.

**Surface treatment:**

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:**

Natural ventilator with motorised control flap

**Installation:**

Preferably installed at transom (timber, PVC or aluminium). By adding L-profiles to the upper and lower side, the Sonovent® I can also be placed on glass.

**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.