**RENSON WINDOW VENTILATION® SPECIFICATIONS**

**Brand : Sonovent®**

**Type : Sonovent® Compact**

**Manufacturer and reference:**

The Sonovent® Compact is manufactured and supplied by Renson Ventilation

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

**Description:**

The RENSON® Sonovent® Compact is a thermally broken, self-regulating and acoustic window ventilator. 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:**

Self-regulating

Thermal conductivity: U-value = 3.45 W/m2K

Watertightness up to 150Pa in open position

Watertightness up to 650Pa in closed position

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

**Airflow and sound reduction:** airslot 10 mm airslot 13mm airslot 15 mm

Dn,e,w (C;Ctr) open (dB) 36 (0;-1) 35 (0;-1) 33 (0;-1)

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

Q at 1 Pa (l/s/m ) 12,1 15,2 19,4

Q at 1 Pa (m³/h/m) 43,4 54,5 69,8

Q at 2 Pa (l/s/m ) 16,4 18,8 19,9

Q at 2 Pa (m³/h/m) 58,9 67,7 71,5

Q at 10 Pa (l/s/m) 17,3 18,8 18,6

Q at 20 Pa (l/s/m) 17,8 18,7 19,1

Equivalent area (mm²/m) 15334 19278 24687

**Dimensions / Size Range:**

Glass reduction: 78 mm

Height: 75 mm (box height) / 95 mm (total height with flanges)

Fits to glass depths of: 20, 24, 28, 32 or 36

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.

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:**

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 (continuous adjustment)

**Installation:**

Can be installed glazed-in (timber, PVC or aluminium) or at transom (using additional transom profiles).

**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.