**RENSON WINDOW VENTILATION® SPECIFICATIONS**

**Brand : Roller shutter flap ventilator**

**Type : Transivent®**

**Manufacturer and reference:**

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

**Description:**

The RENSON® Transivent® is a thermally broken and self-regulating ventilator for installation in roller shutters. The interior profile with integrated perforations (series of 2.9 x 30 mm) acts as an insect mesh. The interior flap deflects the incoming air upwards, causing an optimal spread of fresh air in the room.

**System operation and performance:**

Self-regulating

Thermal conductivity: U-value = 3.0 W/m2K

Watertightness up to 150Pa in open position

Watertightness: up to 650Pa in closed position

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

**Airflow and sound Reduction:**

Dn,e,w (C;Ctr) open (dB) 28 (-1;-2) dB

Dn,e,w (C;Ctr) closed (dB) 44 (-1;-2) dB

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

Q at 1 Pa (m³/h/m) 38,9

Q at 2 Pa (l/s/m ) 15,2

Q at 2 Pa (m³/h/m) 54,6

Q at 10 Pa (l/s/m) 20,1

Q at 20 Pa (l/s/m) 19,9

Equivalent area (mm²/m) 13748

**Dimensions / Size Range:**

Installation height: 91 mm

Fitted height: 48 mm

Slot height: 50 mm

Depth: 60 mm

Maximum length: 2200 mm (1500 mm for cord control)

**Ventilator Construction:**

Profile: manufactured from aluminium alloy Al Mg Si 0.5.

Thermal break: PVC

Pivoting and self-regulating flap: PVC

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

**Surface treatment:**

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

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

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

**Controls Option:**

Manual: internal tip vent with an optional cord or rod (5 stepped positions)

Motorised: electric motor 24 volt DC (continuous adjustment)

**Installation:**

Developed for mounting in a traditional roller shutter housing.

**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