**RENSON WINDOW VENTILATION® SPECIFICATIONS**

**Brand : Invisivent**

**Type : Invisivent® EVO HF**

**Manufacturer and reference:**

The Invisivent® *EVO* HF is manufactured and supplied by Renson Ventilation Tel: 01622 754 123 Email: [vents@rensonuk.net](mailto:vents@rensonuk.net)

**Description:**

The RENSON® Invisivent® *EVO* HF is a thermally broken, discrete self-regulating window ventilator that can be installed on top of an aluminium, timber or uPVC window frame. Inside is a triple series of 3.9 x 9.25mm perforations that acts as insect mesh (removable for cleaning purposes).

When closed there is no visual difference between the Invisivent® *EVO* and the Invisivent® *EVO* HF.

**Ventilator Construction:**

Profile: manufactured from aluminium alloy Al Mg Si 0.5.

Thermal bridge: PVC.

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

**System operation and performance:**

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

Thermal conductivity: U-value = 2.8 W/m2K.

Watertightness: open position 150Pa or closed position 900Pa.

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

Burglar resistance: class 2.

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

Dn,e,w (C;Ctr) closed (dB) 49 (-2;-4)

Q at 1 Pa m³/hr/m 50,8

Q at 2 Pa m³/hr/m 66,6

Q at 1 Pa l/s/m 14,1

Q at 2 Pa l/s/m 18,5

Equivalent area: mm²/m 17942

**Dimensions / Size Range:**

Height: 62mm.

Fits to frame depths of: 50-64, 65-79, 80-94, 95-109, 110-124, 125-139, 140-154, 155-169, 170-184 mm.

Maximum length of one unit is 6000mm.

**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 plus dual colours possible.

End cap colours: dual colour finish is possible white, black, grey or other colours in bulk or painted the colour of the frame.

**Controls Option:**

Motorised: electric motor 24 volt DC (continuous adjustment).

Manual: internal tip vent with an optional cord or rod (5 stepped positions: open, close and 3 intermediate positions). optional plastic air flow limiters can be clipped to regulate air flow.

Control flap is split up for lengths >3500mm.

Integrated soft PVC gasket makes flap wind and watertight in the closed position.

**Installation:**

The vent is attached to special plastic mounting clips which are screwed to the window frame (different screw holes depending on position of thermal break in the window frame) in a series of short clips to guarantee correct operation. The aluminium outside profile slides into the PVC profile using a telescopic sliding system. For greater stability screws can be inserted through the profiles. Plastic side mounting plates are available as an option for better attachment of the Invisivent® *EVO* HF plus a standard Euronut dowel slot is incorporated so it can be attached to a wall using wall brackets.

**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 10077-2, DIN 16491prEN:1627, 1628, 1629, 1630.