**RENSON WINDOW VENTILATION® SPECIFICATIONS**

**Brand : Invisivent®*EVO***

**Type : Invisivent®*EVO* AKR33 module**

**Manufacturer and reference:**

The Invisivent® *EVO* AKR33-module is manufactured and supplied by Renson Ventilation Tel: 01622 754 123 Email: vents@rensonuk.net

**Description:**

The RENSON® Invisivent® *EVO* AKR33-module is a sound-absorbing, thermally broken, discrete and self-regulating retrofit module for installation on an already existing Invisivent® *EVO*. Its interior flap deflects the incoming air upwards, causing an optimal spread of fresh air in the room. Inside is a triple series of 2.7 x 26mm perforations that 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 = 3,6 W/m2K

Watertightness up to 50 Pa in open position

Watertightness up to 650 Pa in closed position

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

Burglar resistance: class 2

**Airflow and sound reduction:**

Dn,e,w (C;Ctr) open (dB) 33 (-1;-2)

Dn,e,w (C;Ctr) closed (dB) 46 (0;-2)

Q at 1 Pa (l/s/m ) 9,3

Q at 1 Pa (m³/h/m) 33,4

Q at 2 Pa (l/s/m ) 12,9

Q at 2 Pa (m³/h/m) 46,6

Q at 10 Pa (l/s/m) 11,6

Q at 20 Pa (l/s/m) 12,9

Equivalent area (mm²/m) 11818

**Ventilator Construction:**

Profile: manufactured from aluminium alloy Al Mg Si 0.5

Noise-damping material: absorbent plastic foam

**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 (dual colour possible).

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

**Controls Options:**

Manual: internal tip vent with an optional cord or rod (6 stepped positions)

Motorised: electric motor 24 volt DC (continuous adjustment)

Control flap is split up for lengths >3500mm.

Optional plastic air flow limiters can be clipped into the interior flap to regulate airflow.

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

**Installation:**

First, the aluminium interior profile has to be removed from the Invisivent® *EVO*. Then, the acoustic AKR33-module has to be clicked onto the PVC-profile of the Invisivent® *EVO*. Finally, the aluminium interior profile has to be reinserted from the Invisivent® *EVO* on the acoustic AKR33-module.

**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.