**RENSON WINDOW VENTILATION® SPECIFICATIONS**

**Brand : glazed-in/at transom window ventilator**

**Type : THK60**

**Manufacturer and reference:**

The THK60 is manufactured and supplied by Renson Ventilation Tel: 01622 754 123 Email: info@rensonuk.net

**Description:**

The RENSON® THK60 is a thermally broken flap ventilator for glazed-in installation (or at transom). The interior profile with integrated perforations (series of 2.7 x 26mm) acts as an insect mesh and deflects the incoming air upwards, causing an optimal spread of fresh air in the room. The external profile also acts as a rain cap.

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

**System operation and performance:**

Not self-regulating

Thermal conductivity: U-value = 4.5 W/m2K.

Watertightness up to 50Pa 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) 27 (0;0) dB

Dn,e,w (C;Ctr) closed (dB) 44(0;0) dB

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

Q at 1 Pa (m³/h/m) 33,5

Q at 2 Pa (l/s/m ) 13,2

Q at 2 Pa (m³/h/m) 47,5

Q at 10 Pa (l/s/m) 29,6

Q at 20 Pa (l/s/m) 41,8

Equivalent area (mm²/m) 11841

**Dimensions / Size Range:**

Glass reduction: 60mm

Height: 76mm

Fits to glass depths of: 20, 24, 28 mm

Maximum length: 2500mm

**Ventilator Construction:**

Profile: manufactured from aluminium alloy Al Mg Si 0.5.

Thermal break: PVC

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

**Surface treatment:**

Satin anodised (EV6/EV1) (20 micron): pre-treated and anodised

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: cord or rod optional (5 stepped positions)

**Installation:**

Glazed-in installation (timber, aluminium or PVC frame), but can also be installed at transom with an optional transom profile. Glazing gasket recommended.

**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.