**RENSON WINDOW VENTILATION® SPECIFICATIONS**

**Brand : Sliding window ventilators**

**Type : THL100V**

**Manufacturer and reference:**

The THL100V is manufactured and supplied by Renson Ventilation Tel: +32 (0)56 62 71 11

**Description:**

The RENSON® THL100V is a thermally broken, vertical sliding ventilator for installation on glass (or at transom). It has louvres at the outside, and a slider at the inside. It creates a natural air circulation: incoming fresh air at the bottom and outgoing humid warm air at the top of the ventilator. Not suitable for installation in coastal environment or near the beach.

**System operation and performance:**

Not self-regulating

Thermal conductivity: U-value = 3.9 W/m2K

Watertightness: up to 400Pa in closed position

Watertightness in open position: n.p.d.

Air leakage at 50Pa : n.p.d.

**Airflow and Sound Reduction:**

Dn,e,w (C;Ctr) open (dB) 22 (0;-1)

Dn,e,w (C;Ctr) closed (dB) 42 (-1;-2)

Q at 1 Pa (l/s/m ) 10,0

Q at 1 Pa (m³/h/m) 36,1

Q at 2 Pa (l/s/m ) 14,2

Q at 2 Pa (m³/h/m) 51,3

Q at 10 Pa (l/s/m) 32,1

Q at 20 Pa (l/s/m) 45,5

Equivalent area (mm²/m) 12770

**Dimensions / Size Range:**

Glass reduction: 129 mm

Height: 144 mm

Fits to glass depths of: 15, 20, 24 or 28 mm (15 mm not available for installation at transom)

Maximum length: 3500 mm

**Ventilator Construction:**

Profile: manufactured from aluminium alloy Al Mg Si 0.5

**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: black.

**Controls Option:**

Manual (continuous adjustment)

Rod, chain or cord are optional (continuous adjustment)

Motorised

**Installation:**

Vertical, glazed-in installation. Also installation at transom possible.