**RENSON WINDOW VENTILATION® SPECIFICATIONS**

**Brand : TC45**

**Type : TC45**

**Manufacturer and reference:**

The TC45 is manufactured and supplied by Renson Ventilation Tel: 01622 754 123 Email: [vents@rensonuk.net](mailto:vents@rensonuk.net)

**Description:**

The RENSON® TC45 is a compact, thermally broken window ventilator with a perforated (series of 3 x 17mm) inner profile which acts as an insect mesh. A restraining clip is fitted to increase water and windtightness. PVC base profile has 12.5 x 37mm perforations to let air through.

**System operation and performance:**

Not self-regulating.

Thermal conductivity: U-value = 4.1 W/m2K.

Wind resistant: closed position 650Pa.

Watertightness: closed position 650Pa.

Dn,e,w (C;Ctr) open (dB) 27 (0;0)

Dn,e,w (C;Ctr) closed (dB) 37 (-1;-2)

Q at 1 Pa m³/hr/m 29,5

Q at 2 Pa m³/hr/m 41,4

Q at 1 Pa l/s/m 8,2

Q at 2 Pa l/s/m 11,5

Equivalent area: mm²/m 10435

**Dimensions / Size Range:**

Glass reduction: 45mm.

Height: 60mm.

Fits to glass depths of: 20, 24, 28 mm (other thicknesses available on request).

Maximum length: 2000mm.

**Ventilator Construction:**

Profile: manufactured from aluminium alloy Al Mg Si 0.5.

Thermally 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: rod or cord optional (5 stepped position).

**Installation:**

Installation on glass (timber, PVC or aluminium). 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.