**RENSON WINDOW VENTILATION® SPECIFICATIONS**

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

**Type : AR75**

**Manufacturer and reference:**

The AR75 is manufactured and supplied by Renson Ventilation Tel: 01622 754 123 Email: info@rensonuk.net

**Description:**

The RENSON® AR75 is a thermally broken, self-regulating flap ventilator for glazed-in installation (or at transom). The perforated interior profile (series of 2.9 x 20.3mm) acts as an insect mesh, and is removable for cleaning purposes. The external profile acts as a rain cap. Due to its unique patented inner mechanism, 4 different airflow levels can be reached while the AR75 visually maintains the same look.

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

**System operation and performance:**

Self-regulating

Thermal conductivity: U-value = 3.0 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:** Small Medium Large Xlarge

Dn,e,w (C;Ctr) open (dB) 26 (-1;-1) 26 (-1;-2) 26 (-1;-2) 26 (-1;-1)

Dn,e,w (C;Ctr) closed (dB) 43 (-1;-1) 43 (-1;-1) 43 (-1;-1) 43 (-1;-1)

Q at 1 Pa (l/s/m ) 11,1 13,7 15,0 19,1

Q at 1 Pa (m³/h/m) 40,1 49,3 53,9 68,8

Q at 2 Pa (l/s/m ) 15,3 18,8 22,6 29,0

Q at 2 Pa (m³/h/m) 54,9 67,5 81,3 104,3

Q at 10 Pa (l/s/m) 17,3 21,4 24,5 31,5

Q at 20 Pa (l/s/m) 14,7 18,9 21,7 28,0

Equivalent area (mm²/m) 14174 17409 19034 24301

**Dimensions / Size Range:**

Glass reduction: 75mm (or 77 mm as from glass thickness of 36mm)

Height: 92mm

Maximum length: 2500mm

Fits to glass depths of: - Small/Medium/Large: 20, 24, 28, 32, 36, 40, 44mm (>32 not for installation at transom)

 - Xlarge: 20, 24, 28, 32, 36mm (>32 not for installation at transom)

**Ventilator Construction:**

Profile: manufactured from aluminium alloy Al Mg Si 0.5

Thermal break: PVC

Self-regulating flap: 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, or RAL 1013/1015/7016/7021/7030/7035/7039/8019/9001/9007 (other colours available on request)

**Controls Option:**

Manual, with an optional cord or rod (continuous adjustment)

Motorised (continuous adjustment)

**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, DIN 16491, prEN1627, 1628, 1629,1630