**RENSON WINDOW VENTILATION® SPECIFICATIONS**

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

**Type : AR60**

**Manufacturer and reference:**

The AR60 is manufactured and supplied by Renson Ventilation Tel: 01622 754 123 Email: info@rensonuk.net

**Description:**

The RENSON® AR60 is a thermally broken, self-regulating 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 soft PVC of the pivoting flap is fitted to increase water- and windtightness. The external profile, which acts as a rain cap, has 18.8 x 35mm perforations to let air through.

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

**System operation and performance:**

Self-regulating

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

Watertightness: up to 100Pa 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 ) 8,2

Q at 1 Pa (m³/h/m) 29,5

Q at 2 Pa (l/s/m ) 11,8

Q at 2 Pa (m³/h/m) 42,3

Q at 10 Pa (l/s/m) 19,7

Q at 20 Pa (l/s/m) 23,9

Equivalent area (mm²/m) 10427

**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

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 (other colours available on request)

**Controls Option:**

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

**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.