specification sheet

*TC60*

window ventilation – adjustable supply

manufacturer

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series

thermally broken

window ventilation

for installation on glass

types

*TC60* for glass thickness 20 mm

*TC60* for glass thickness 24 mm

*TC60* for glass thickness 28 mm

description

The TC60 is a simple yet efficient thermally broken window ventilator for glazed-in installation.

The bent exterior profile ensure the wind and watertightness of the TC60. This profile has perforations of 24 × 14,5 mm that ensure a relevant airflow.

A controllable uPVC flap is suspended in this exterior profile. This flap ensures the supply of fresh air and can be controlled manually through means of continuous adjustment.

The interior profile has perforations of 2,6 × 18,5 mm. This profile ensure the inward airflow and functions as an insect mesh.

The exterior and interior profile are separated by a uPVC thermal break that prevents cold transfer between the two profiles.

Plastic end caps are mounted at the end of the profiles. These end caps enclose both exterior and interior profile which adds to the structural strength of the window ventilator. The manual control unit has been built in in the end caps.

The TC60 can be controlled manually (continuous adjustment). Control by cord and rod are also possible. The cord has to be installed before the TC60 is mounted on the glass. It is not possible to install a cord control when the TC60 has already been mounted.

The TC60 has been designed for glazed-in installation (for glass thicknesses of 20, 24 and 28 mm). We recommend the use of a glazing gasket RENSON® nr.049 (20-28 mm) between the TC45 and the glazing. The TC45 can also be installed at transom using additional at transom profiles.

The following finishes are possible: satin anodized (E6/EV1-SAA) , poweder coated in any RAL or Syntha Pulvin® colour (dual color also possible).

Material & finish

Interior and exterior profile: aluminium AlMgSi 0.5

finish: Satin anodised (E6/EV1-SAA) or powder coated in all possible RAL-colours (dual colour also possible)

thermal bridge: uPVC

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

Colour end caps: white or black, other colours available upon request

dimensions

Glass reduction: 60 mm

Height: 75 mm

Glazing profile: 26 / 30 / 34 mm

Glass thickness: 20 / 24 / 28 mm

control options

Manually, continuous adjustment

Chord, continuous adjustment

Rod, continuous adjustment

technical specifications

TC60

Airflow:

* Q at 1 Pa: 44,3 m³/h/m
* Q bij 2 Pa: 62,6 m³/h/m
* Equivalent area: 15652 mm²/m

Sound-reduction Dn,e,w (C;Ctr):

* Open: 28 (0;0) dB
* Closed: 42 (0;0) dB

Self-regulation class: non-self-regulating

U-value: 3,3 W/m²K

f-value: 0,43

watertightness up to: 650 Pa (in closed postion)

watertightness up to: 10 Pa (in open position)

Airflow in closed position at 50 Pa: <15% (air leakage)

standards

This product has been made according to, complies with and/or has been tested according to:

EN ISO 140-10

EN ISO 717-1

EN 1026

EN 1027

EN 12020-2

EN AW 6063 T66

NBN D50-001

EN 10077-2

DIN 16491