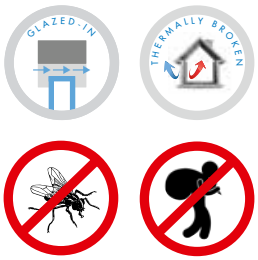
THK170 < Flap ventilator for conservatories



Natural extraction for conservatories

This discrete flap ventilator is placed in the highest and warmest point of the conservatory's roof. This favours the extraction of hot and humid air using natural convection. Ventilators placed in the lower part of the conservatory assure a natural supply of fresh air. This patented natural extraction system has been designed to prevent water infiltration (in normal conditions).

Control the temperature in a natural way
Thanks to natural convection, cool and fresh air is supplied through vents in the vertical glass wall, while warm and humid air is extracted through the THK170.

Glazed-in installation or on sandwich panels
The THK170 suits for glazed-in installation (glass thicknesses of 28, 32 or 36 mm) and installation in structures with sandwich panels (with thicknesses of 52, 56 or 60 mm). It is also suitable for installation on swimming pool covers.

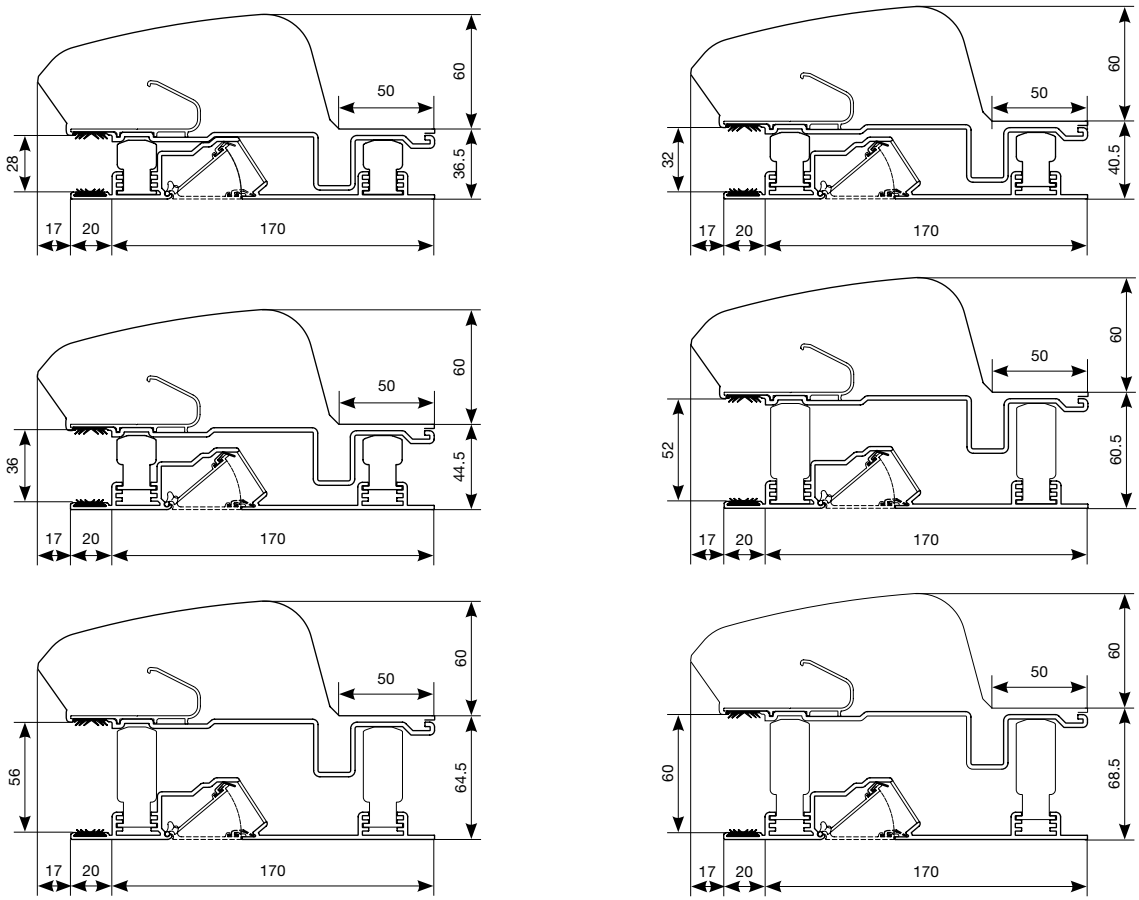
Slope
The THK170 can be mounted on any conservatory roof with a minimum gradient of 5° or on vertical walls.

Thermally broken
No cold air transfer from outside to inside.

Burglar proof
With the THK170 one no longer needs to open up windows in order to ventilate the conservatory, which avoids the risk of burglary.

Insect mesh

Section detail



Technical characteristics

	THK170
Airflow	
Equivalent area	16188 mm²/m
Q at 1 Pa	12,7 l/s/m
Q at 1 Pa	45,8 m³/h/m
Q at 2 Pa	18,0 l/s/m
Q at 10 Pa	40,2 l/s/m
Q at 20 Pa	56,9 l/s/m
Comfort	
Sound reduction $D_{n,e,w}$ ($C;C_{tr}$)	
- in open position	26 (0;-1) dB
- in closed position	43 (-1;-3) dB
Technical characteristics	
Controllable internal flap	Continuous adjustment
Control options internal flap	Manual, rod
U value	3,0 W/m²K
Air leakage at 50 Pa	<15% (in closed position)
Watertightness in closed position, up to	650 Pa
Watertightness in open position, up to	50 Pa
Dimensions	
Glass reduction	170 mm
Height	190 mm
Glass thickness	28, 32, 36 mm
Thickness sandwich panel	52, 56, 60 mm
Max. length	1500 mm
Slope	Min. gradient of 5° or on vertical walls