# Invisivent® *EVO* AK < Acoustic overframe flap ventilators


*The most discrete, self-regulating and sound-absorbing overframe flap ventilator*

The Invisivent® *EVO* AK is the acoustic version of the Invisivent® *EVO*. Three different Invisivent® *EVO* AK versions are available (Basic, High or Extreme), each representing a different level of sound reduction. For each specific window frame depth, a different PVC profile is used (and special extension profiles are used for some window frame depths) in order to make the Invisivent® *EVO* AK fit perfectly to the window profile.

| | |
|---|---|
| Window depth <110 mm: | Invisivent® *EVO* AK Basic + special extension profile (>110 mm, an adapted PVC interior profile is used) |
| Window depth < 140 mm: | Invisivent® *EVO* AK High / Extreme + special extension profile (>140 mm, an adapted PVC interior profile is used) |

**Installation on top of the window frame**
The Invisivent® *EVO* AK is a thermally broken window ventilator that is installed on top of the aluminium, timber or PVC window frame. This almost invisible installation guarantees maximum light penetration as the glass size is not reduced.

**Thermally broken**
No cold air transfer from outside to inside.

**i-Flux®**
Thanks to its self-regulating flap, the Invisivent® *EVO* AK ensures the supply of fresh and healthy air without draughts (Invisivent® *EVO* AK Extreme is not self-regulating). Moreover, the interior profile deflects the incoming air upwards, causing an optimal spread of fresh air in the room.

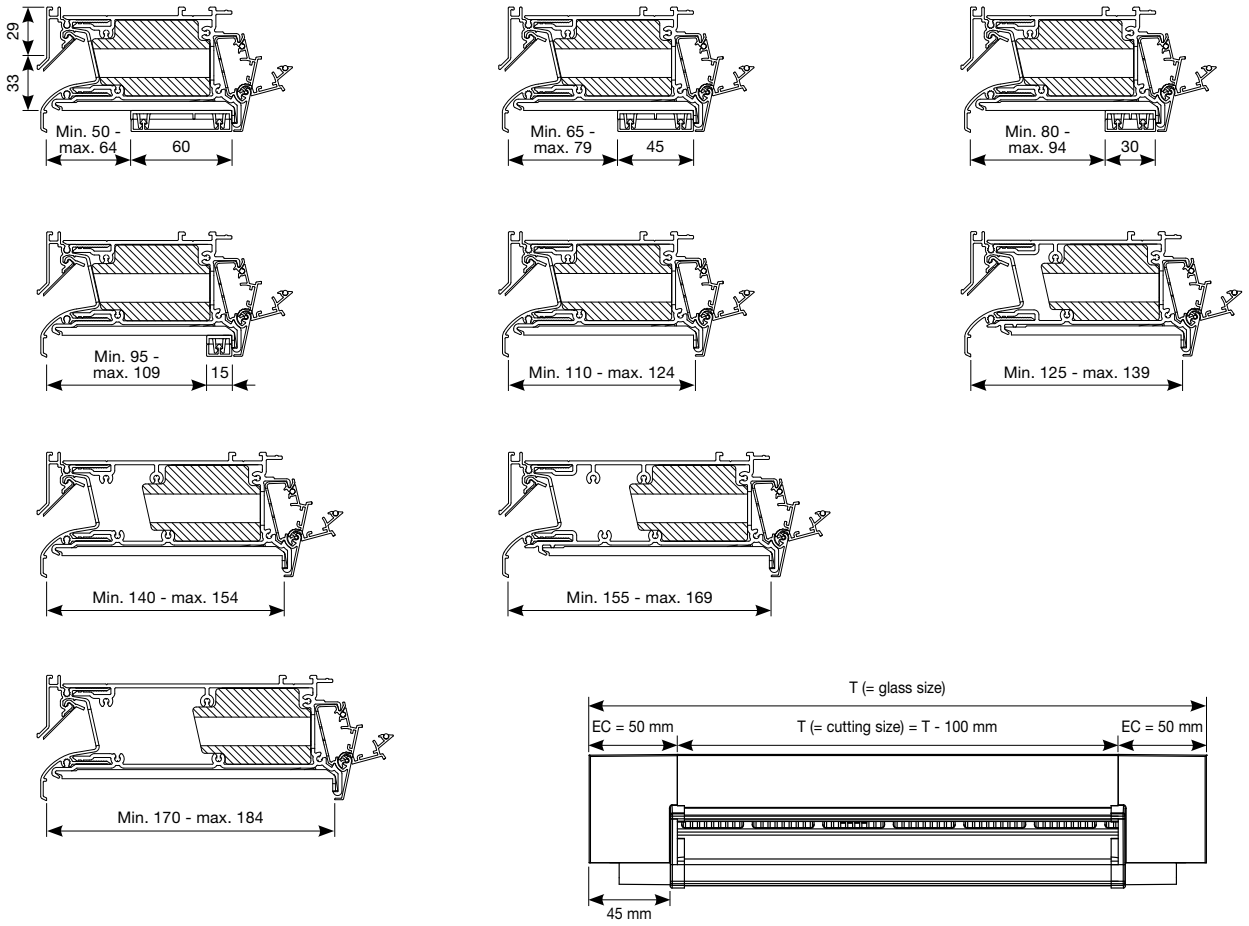
**Sound absorbing**
In open position: Invisivent® *EVO* AK Basic: 34 (0;-1) dB
Invisivent® *EVO* AK High: 39 (0;-1) dB
Invisivent® *EVOO* AK Extreme: 48 (0;-2) dB

**Removable acoustic foam**

**Insect mesh**

**Burglar proof**
The Invisivent® *EVO* range meets the requirements of burglary resistance class 2 according to standard prEN 1627 to 1630, and therefore suits to be used on a window class WK2.

## Section detail Invisivent® EVO AK BASIC

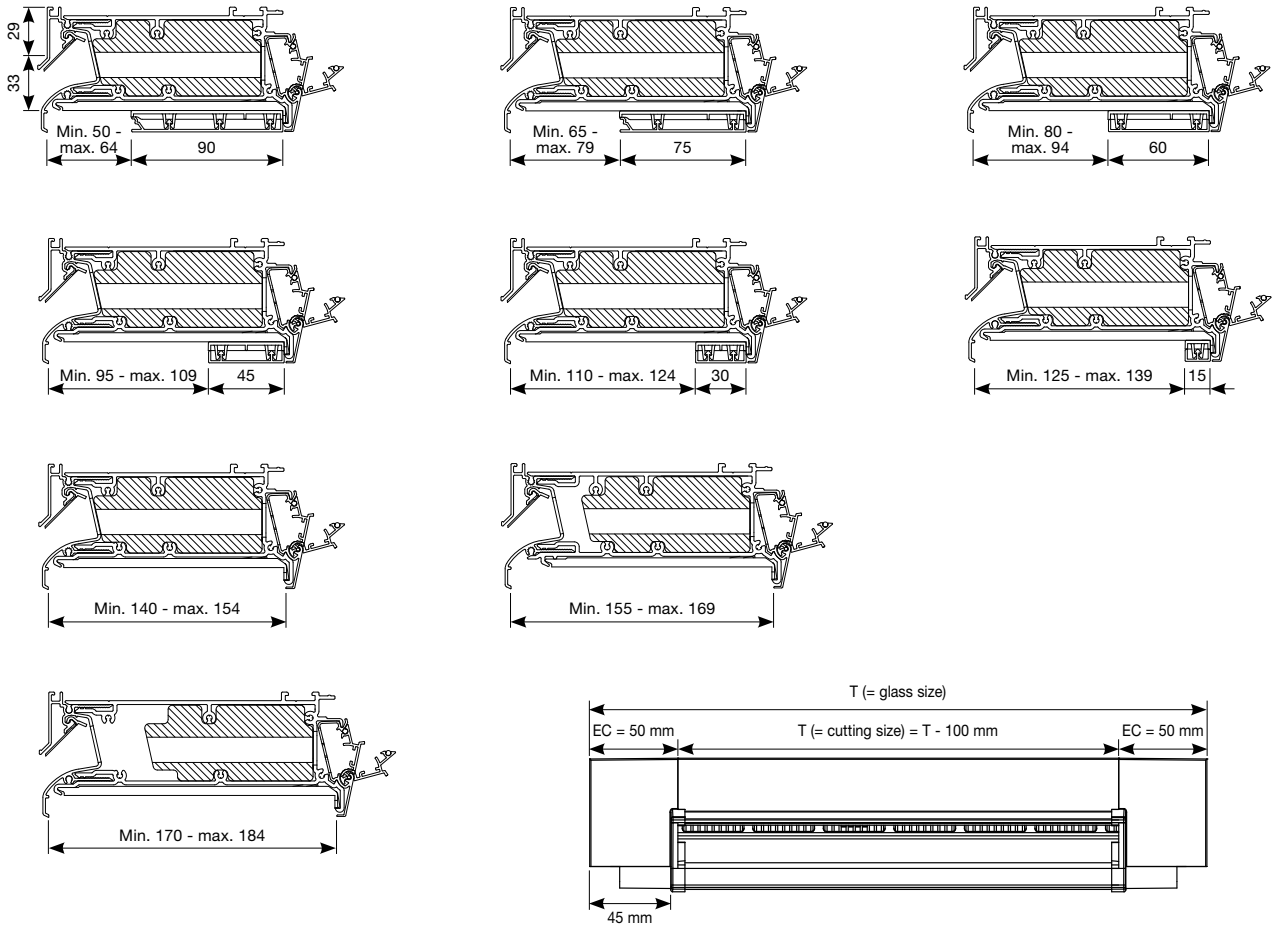



## Technical characteristics

| | Invisivent® EVO AK Basic |
|---|---|
| **Airflow** | |
| Equivalent area | 13489 mm²/m |
| Q at 1 Pa | 10,6 l/s/m |
| Q at 1 Pa | 38,2 m³/h/m |
| Q at 2 Pa | 15,9 l/s/m |
| Q at 10 Pa | 17,9 l/s/m |
| Q at 20 Pa | 16,0 l/s/m |
| **Comfort** | |
| Sound reduction $D_{n,e,w}$ ($C;C_{tr}$) | |
| - in open position | 34 (0;-1) dB |
| - in closed position | 57 (-1;-4) dB |
| **Technical characteristics** | |
| Controllable internal flap | 5 stepped positions |
| Control options internal flap | Manual, cord, rod, motor |
| U value | 2,0 W/m²K |
| Air leakage at 50 Pa | <15% (in closed position) |
| Watertightness in closed position, up to | 900 Pa |
| Watertightness in open position, up to | 150 Pa |
| **Dimensions** | |
| Glass reduction | 0 mm |
| Height | 62 mm |
| Depths window frame | 50 up to 184 mm (or more upon request) |
| Max. length | 6000 mm |

# Invisivent® *EVO* AK High < Acoustic overframe flap ventilators

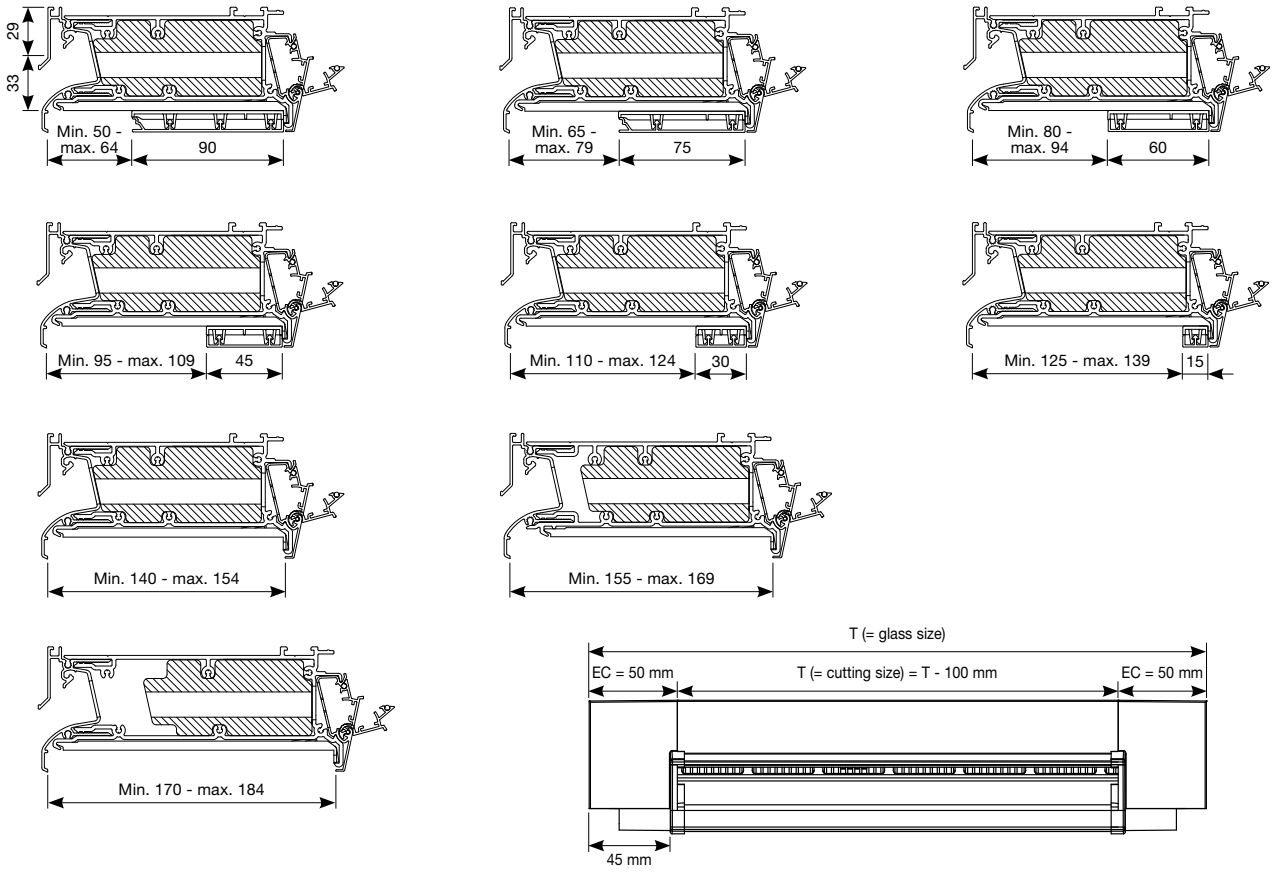
## Section detail Invisivent® *EVO* AK HIGH




## Technical characteristics

| | Invisivent® *EVO* AK High |
|---|---|
| **Airflow** | |
| Equivalent area | 9349 mm²/m |
| Q at 1 Pa | 7,3 l/s/m |
| Q at 1 Pa | 26,5 m³/h/m |
| Q at 2 Pa | 11,6 l/s/m |
| Q at 10 Pa | 14,0 l/s/m |
| Q at 20 Pa | 11,8 l/s/m |
| **Comfort** | |
| Sound reduction $D_{n,e,w}$ ($C;C_{tr}$) | |
| - in open position | 39 (0;-1) dB |
| - in closed position | 62 (-2;-6) dB |
| **Technical characteristics** | |
| Controllable internal flap | 5 stepped positions |
| Control options internal flap | Manual, cord, rod, motor |
| U value | 2,2 W/m²K |
| Air leakage at 50 Pa | <15% (in closed position) |
| Watertightness in closed position, up to | 900 Pa |
| Watertightness in open position, up to | 150 Pa |
| **Dimensions** | |
| Glass reduction | 0 mm |
| Height | 62 mm |
| Depths window frame | 50 up to 184 mm (or more upon request) |
| Max. length | 6000 mm |

## Section detail Invisivent® EVO AK EXTREME




**Attention:** Invisivent® EVO AK Extreme is visually identical to the Invisivent® EVO AK High and Invisivent® EVO UT, but is not self-regulating!

## Technical characteristics

| | Invisivent® EVO AK Extreme |
|---|---|
| **Airflow** | |
| Equivalent area | 2404 mm²/m |
| Q at 1 Pa | 1,9 l/s/m |
| Q at 1 Pa | 6,8 m³/h/m |
| Q at 2 Pa | 2,8 l/s/m |
| Q at 10 Pa | 6,4 l/s/m |
| Q at 20 Pa | 9,3 l/s/m |
| **Comfort** | |
| Sound reduction $D_{n,e,w}$ ($C;C_{tr}$) | |
| - in open position | 48 (0;-2) dB |
| - in closed position | 64 (-4;-11) dB |
| **Technical characteristics** | |
| Controllable internal flap | 5 stepped positions |
| Control options internal flap | Manual, cord, rod, motor |
| U value | 1,7 W/m²K |
| Air leakage at 50 Pa | <15% (in closed position) |
| Watertightness in closed position, up to | 900 Pa |
| Watertightness in open position, up to | 150 Pa |
| **Dimensions** | |
| Glass reduction | 0 mm |
| Height | 62 mm |
| Depths window frame | 50 up to 184 mm (or more upon request) |
| Max. length | 6000 mm |