Self-regulating flap window ventilator PQ mm   DUCO 'Ventilation & Sun Control' SkyVent UK SR AK

Description:

The SkyVent UK SR AK is a thermally insulated aluminium self-regulating flap window grille with an integrated ventilation flap, equipped with an aluminium outer profile for maximum wind and watertightness. This grille has 3 variants, where te internal ventilation flap is limited at the equivalent area to 5000, 7500 or 10000 mm. Discreet fitting, allowing them to be placed in plain sight.

Specifically suitable for installation on wooden, plastic or aluminium windows.
The grille has been developed in such a way that it can be installed invisibly behind the facing brick.
Anchor channel available for fast attachment.
Inner profile: removable, washable with "invisible" perforation (insect repellent).
The self-regulating flap ensures energy gain and a constant flow rate.
Upward air flow for comfortable indoor climate (Coanda effect).

To avoid the thermal bridge being visible, an extended bottom profile is automatically supplied with the Alto version when mounting on a window thickness of 60 mm to 110 mm. In the Largo version, this is from 60 mm to 160 mm.

Material:

Aluminium: EN AW - 6063 T66
Plastic parts: ABS and PVC (impact-resistant, colourfast and weatherproof)
Damping foam: acoustic foam 34 kg/m³

Surface treatment:

Powder coating (enamelled polyester powder coating): according to Qualicoat Seaside type A, layer thickness 60-80 μm

Available colours:

- Standard RAL colours 70% gloss (except RAL 9010: 90% gloss); matt 30% gloss; fine-textured
- Bi-colour
- Possible end-piece colours: white/black

Technical specifications

Fitting depths:

Type	Recess depth (mm)
Corto	60-85 mm
Medio	60-115 mm
Alto	110*-165 mm
Largo	160*-215 mm

* Also applicable from 60 mm with extended bottom profile

Ventilation values:

Type	Airflow (Q) in l/s/m at…			Airflow (Q) in m3/h/m at…			Equivalent area at 1 Pa in mm²/m	Geometrical Free Area in mm²/m
	1 Pa	2 Pa	10 Pa	1 Pa	2 Pa	10 Pa		
EA5000	4,0	5,9	7,2	14,4	21,3	25,9	5087,6	5600
EA7500	5,9	8,7	10,6	21,2	31,4	38,2	7504,2	8200
EA10000	7,9	11,7	14,2	28,4	42,1	51,2	10048,0	11000

Sound reduction:

Type	Sound absorption D_{ne},W (C;C_{tr}), in dB							
	OPEN position				CLOSED position			
	Corto	Medio	Alto	Largo	Corto	Medio	Alto	Largo
EA5000	38 (0;-1)	40 (-1;-2)	41 (-1;-2)	43 (0;-2)	53 (0;-2)	52 (-1;-3)	54 (-1;-4)	58 (-1;-4)
EA7500	36 (0;-1)	38 (-1;-2)	40 (-1;-2)	41 (-1;-2)	52 (0;-2)	52 (-1;-3)	54 (-1;-3)	58 (-1;-4)
EA10000	35 (0;-1)	36 (0;-2)	38 (-1;-2)	39 (0;-2)	51 (0;-1)	52 (-1;-3)	54 (-1;-3)	58 (-1;-4)

Water tightness (when closed):   1.350 Pa

Subtraction of glass height: 0 mm

Vent height   65 mm

Built-in height   70 mm

Operation: …
        In steps, manually
        In steps, with rod

Vent length   … mm
        Up to 4000mm under warranty
        From 1310 mm split flap and dual operation
        With a vent length > 2710 mm, a maximum working flap length of 2610
        mm is provided; the rest of the flap is secured in closed position.

Nature of the agreement:

Presumed quantity (PQ)

Measurement method:

Unit of measurement: mm

Measurement code:

Accessories:
All octave band values (in dB) are freely available from DUCO Ventilation & Sun Control.
Follow the manufacturer's installation instructions and calculation programmes.
For commercial and technical assistance (assembly and installation instructions, spare parts lists, calculations, etc.),
please contact your regional dealer or the DUCO 'Ventilation & Sun Control' project department.

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