

Architectural window louvre DucoGrille Classic F 50HP

Manufactured by: DUCO Ventilation & Sun Control

DucoGrille Classic F 50HP is a recessed window louvre, equipped with 50HP louvres. These aluminium louvres are specially designed for purge ventilation because of their low resistance factor. This makes the window louvre extremely suitable for supplying large volumes of outside air.

Features:

- **Louvres and frame:**
 - Aluminium extrusions (EN AW-6063 T66 (EN573-3)) to be clipped into louvre holders
 - Blade height: 50 mm
 - Louvre pitch: 50 mm
 - Flange width: 28 mm
 - Frame depth: 77 mm
 - Section thickness: minimum 1.2 mm
 - Visual free area: 88 %
 - Physical free area: 68 %
- **Louvre blade holders:**
 - injection-moulded parts made of polyamide PA 6.6 glass-fibre reinforced
 - OR
 - metal parts Zamak Electrophoresis blackened

Accessories (included):

- Insect-resistant stainless steel mesh 2.3 x 2.3 mm (standard) or vermin-resistant mesh (on request)

Surface treatment:

- Anodisation: Qualanod-compliant, coating thickness 15-20µm, standard natural colour (colourless anodisation)
- Powder coating: Qualicoat Seaside type A compliant, minimum average coating thickness 60µm, standard RAL colours 70% gloss

Upon request: other finish coating thicknesses, anodising colours and paint gloss levels, textured paints and specific powder coating product codes

Functional specifications:

- **Flow rate standard version:**
 - K-factor intake: 6.28
 - K-factor exhaust: 6.51
 - C_e coefficient: 0.399
 - C_dcoefficient: 0.392

- Flow rate version "+ options":
 - K-factor intake: 8.07
 - K-factor exhaust: 5.81
 - C_e coefficient: 0.352
 - C_d coefficient: 0.415

- Water resistance standard version:
 - $v = 0.0\text{m/s}$: class C
 - $v = 0.5\text{m/s}$: class C
 - $v = 1.0\text{m/s}$: class C
 - $v = 1,5\text{m/s}$: class D
 - $v = 2.0\text{m/s}$: class D
 - $v = 2.5\text{m/s}$: class D
 - $v = 3.0\text{m/s}$: class D
 - $v = 3.5\text{m/s}$: class D

- Water resistance version "+ options":
 - $v = 0.0\text{m/s}$: class B
 - $v = 0.5\text{m/s}$: class B
 - $v = 1.0\text{m/s}$: class B
 - $v = 1,5\text{m/s}$: class C
 - $v = 2.0\text{m/s}$: class C
 - $v = 2.5\text{m/s}$: class C
 - $v = 3.0\text{m/s}$: class D
 - $v = 3.5\text{m/s}$: class D

Complies with or tested in accordance with the following standards:

- Qualicoat Seaside type A (if painted finish)
- Qualanod (if anodised finish)
- EN 573 - EN AW-6063 T66 and EN AW-6060 T66: aluminium alloy & hardening
- EN 13030: water resistance and determination of C_e and C_d coefficients

Fire reaction

- If version with plastic louvre holders: D-s2,d0 (EN13501-1)
- If version with metal louvre holders: A2-s1,d0 (EN13501-1)