

Recessed mounted wall louvre DucoGrille Classic N 45HP

Manufactured by: DUCO Ventilation & Sun Control

The DucoGrille Classic N 45HP has been specially developed for purge ventilation.

The resistance factor of the grille is exceptionally low, allowing large volumes of air to be supplied or extracted over smaller areas. The visual free area is 70%, the physical free area is 60%.

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
 - Frame rebate: 0 mm
 - Installation depth: 65 mm
 - Section thickness: minimum 1.5 mm
 - Visual free area: 70 %
 - Physical free area: 60 %
- **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), without mesh (optional) or with vermin-resistant mesh (on request)
- Fixing lugs

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: 8.60
 - K-factor exhaust: 7.51
 - C_e coefficient: 0.341
 - C_dcoefficient: 0.365

- **Flow rate version "+ options":**
 - K-factor intake: 11.49
 - K-factor exhaust: 7.34
 - C_e coefficient: 0.295
 - C_d coefficient: 0.369

- **Water resistance standard version:**

BSRIA (EN13030)

 - $v = 0.0\text{m/s}$: class C
 - $v = 0.5\text{m/s}$: class C
 - $v = 1.0\text{m/s}$: class D
 - $v = 1,5\text{m/s}$: 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":**

BSRIA (EN13030)

 - $v = 0.0\text{m/s}$: class B
 - $v = 0.5\text{m/s}$: class B
 - $v = 1.0\text{m/s}$: class C
 - $v = 1,5\text{m/s}$: 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)