# Architectural window louvre DucoGrille Classic F 45HP

Manufactured by: DUCO Ventilation & Sun Control

DucoGrille Classic G 130HP / N 130HP is a recessed window louvre, equipped with 45HP 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 1.5 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)

## 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
  + Ce coefficient: 0.341
  + Cdcoefficient: 0.365

### Flow rate version "+ options":

* + K-factor intake: 11.49
  + K-factor exhaust: 7.34
  + Ce coefficient: 0.295
  + Cdcoefficient: 0.369

### Water resistance standard version:

BSRIA (EN13030)

* + v = 0.0m/s: class C
  + v = 0.5m/s: class C
  + v = 1.0m/s: class D
  + v = 1,5m/s: class D
  + v = 2.0m/s: class D
  + v = 2.5m/s: class D
  + v = 3.0m/s: class D
  + v = 3.5m/s: class D

### Water resistance version "+ options":

BSRIA (EN13030)

* + v = 0.0m/s: class B
  + v = 0.5m/s: class B
  + v = 1.0m/s: class C
  + v = 1,5m/s: class C
  + v = 2.0m/s: class C
  + v = 2.5m/s: class C
  + v = 3.0m/s: class D
  + v = 3.5m/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 Ce and Cd 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)