# 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
	+ Ce coefficient: 0.399
	+ Cdcoefficient: 0.392

### Flow rate version "+ options":

* + K-factor intake: 8.07
	+ K-factor exhaust: 5.81
	+ Ce coefficient: 0.352
	+ Cdcoefficient: 0.415

### Water resistance standard version:

* + v = 0.0m/s: class C
	+ v = 0.5m/s: class C
	+ v = 1.0m/s: class C
	+ 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":

* + v = 0.0m/s: class B
	+ v = 0.5m/s: class B
	+ v = 1.0m/s: class B
	+ 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)