



## Small Format Fixed Blade External Louvres

YG-EF / YG-RF

### Introduction

Series YG small format louvres are suitable for intake or exhaust systems where space or cost is at a premium. The design incorporates features of the WG system but at half the scale and this makes the YG ideal for small louver applications, sheltered situations and even internal screening requirements.

### Product Description

**YGA-EF** External flanged louver 38mm pitch

**YGA-RF** Recessed frame louver 38mm pitch

**YGB-EF** External flanged louver 45mm pitch

**YGB-RF** Recessed frame louver 45mm pitch

**YGC-EF** External flanged louver 50mm pitch

**YGC-RF** Recessed frame louver 50mm pitch

Note: The YGB/YGC are for sheltered locations only

### Features

- Small format compact design
- Weather resistant design
- Lightweight aluminium extrusions
- Flanged and recessed frame options
- Provision for blade alignment on continuous installations

### Finishes

PPG9010 (RAL 9010 Gloss - 80% Gloss White)

PPM9010 (RAL 9010 Matt - 20% Gloss White)

PPM9006 (RAL 9006 Matt - 30% Gloss Silver)

Other colours or anodised finish available on request

### Sizes

Nom. W 125 - 1200 mm

Nom. H 115 - 1985 mm

For larger sizes please contact head office

### Fixing

SF Screw Fixing

LF Rear Lug Fixing

STS Screw Through Stack fixing

NF No Fixing

### Screen Options

BS Galvanised steel bird screen

IS Aluminium insect screen

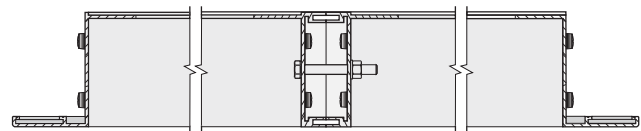
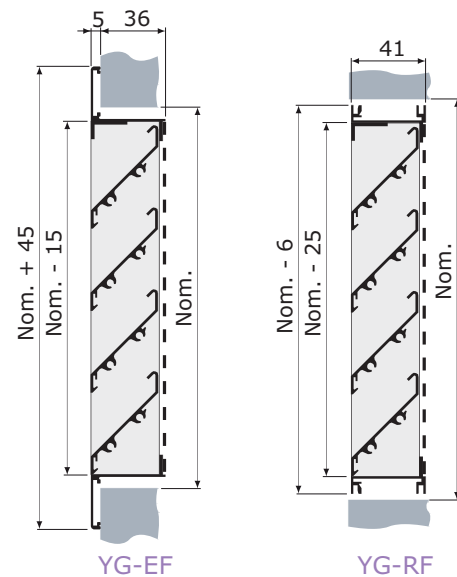
Other options available on request

### Weights

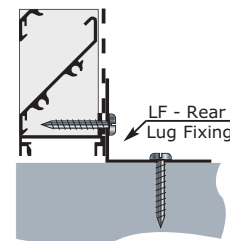
YG 10 kg/m<sup>2</sup> panel

### Advantages

- Lightweight, extruded aluminium frame and blade system
- Rear rain trap profile on each blade



The above drawing shows a multiple YG-EF split along the width - Aluminium strips allow for expansion and contraction, due to changes in temperature.



### ORDER EXAMPLE

YGA-EF/1500/600/PPM9006/SF/BS

Louvre Type

Nominal Width

Nominal Height

Finish

Fixing

Screen Option

Free Area

YG

19%- 47%



Please scan the QR code to view the website page for:  
WG-YG series Operation and Maintenance Instructions



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YG-EF / YG-RF

### Selection Example

1500mm wide x 600mm high YG louvre handling 1200 l/s

Total air volume/width:  $1200/1.5 = 800 \text{ l/s/m}$

From nomogram YGA (38mm pitch) YGB (45mm pitch)

dBA 45 44

Pa 11 9

Mean Jet Velocity 3.3 m/s 3.0 m/s

Free Area x width  $0.21 \times 1.5 = 0.32\text{m}^2$   $0.22 \times 1.5 = 0.33\text{m}^2$

Frequency Spectrum Corrections (Hz)					
125	250	500	1k	2k	4k
+6	+5	+2	0	-6	-12

Static pressure scale is for exhaust applications with or without birdscreen.

A factor of 1.5 should be applied for intake louvres and a factor of 1.1 should be applied for Insect Screen.

dBA is the noise rating of the louvre based on sound power level.

To determine octave band sound power levels, apply the correction factors shown to the dBA level.

### Performance Nomogram

