



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 with 38mm pitch
YGA-RF	Recessed frame louver with 38mm pitch
YGB-EF	External flanged louver with 45mm pitch
YGB-RF	Recessed frame louver with 45mm pitch
YGC-EF	External flanged louver with 50mm pitch
YGC-RF	Recessed frame louver with 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

PPM9006 (RAL 9006 Matt Silver)

PPM9010 (RAL 9010 20% Gloss White)

PPG9010 (RAL 9010 Gloss White)

Other colours or anodised finish available on request

Weight

10.0 kg/m² panel

Panel 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

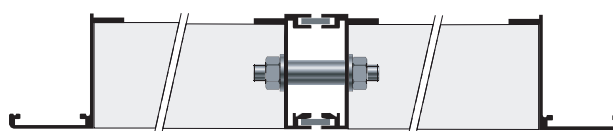
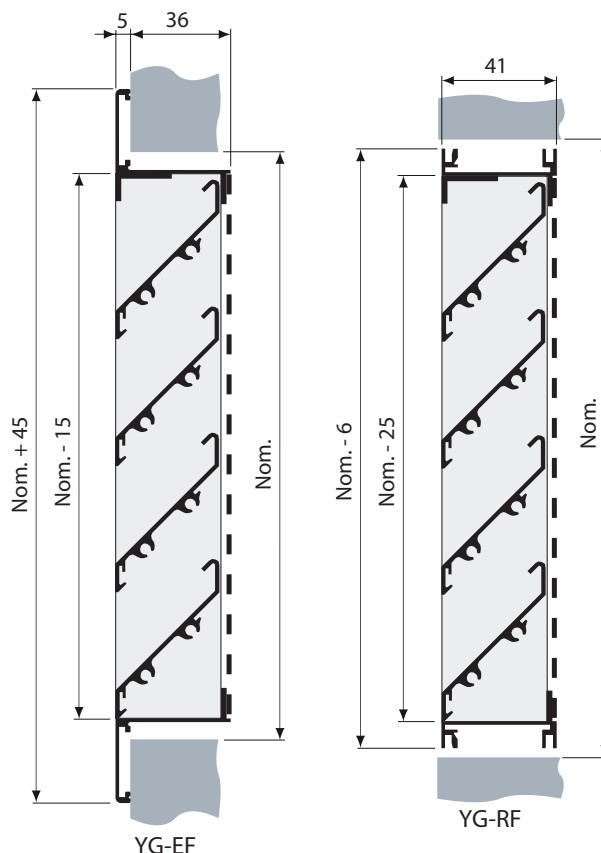
Screen Options

BS	Galvanised steel bird screen
IS	Aluminium insect screen

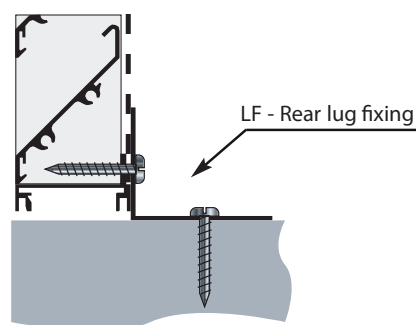
Other options available on request

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.



Free Area
YG
19% - 47%

Order Example

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

Louvre Type	_____
Nominal Width	_____
Nominal Height	_____
Finish	_____
Fixing	_____
Screen Option	_____



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YG-EF YG-RF



Selection Example for a 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
Velocity	3.3m/s	3.0m/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.

