

BRL VENTILATION LOUVRES

Glazed-in mounting (GL)

For Facades – Doors – Windows

For use with PTAC - Packaged Terminal Air Conditioner

airlouvre 
BRL

WHO ARE WE?

airlouvre^{||||}
BRL

We have over 40 years of experience in the ventilation industry.

We are the pioneer in the production of window ventilation in the UK and the largest manufacturer in Poland - since the 1980s we have been consistently expanding our range by penetrating more and more new markets abroad. Thanks to many years of experience, we know exactly what our customers need and consequently we offer solutions tailored to their needs.

We are enriching our offer with a new, extremely important element. The Brookvent family of products is now also joined by innovative **ventilation louvres**.

Thanks to them, we can take even more effective care of the fresh air in your surroundings!

Ventilation louvres allow air to move freely and maintain the aesthetic appearance of the building. The use of louvres improves air quality and increases the comfort of the occupants.

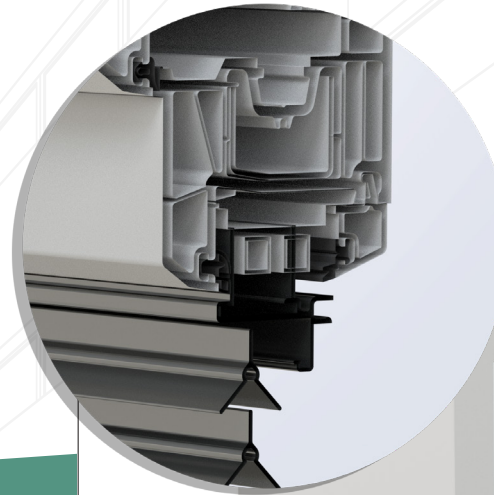
Ventilation louvres are key to ensuring that the temperature in the building is properly regulated at night, which in turn contributes to maintaining proper interior comfort and functionality.

BRL ventilation louvres are available in a variety of sizes, allowing seamless integration into window, façade and door systems.

Introduction

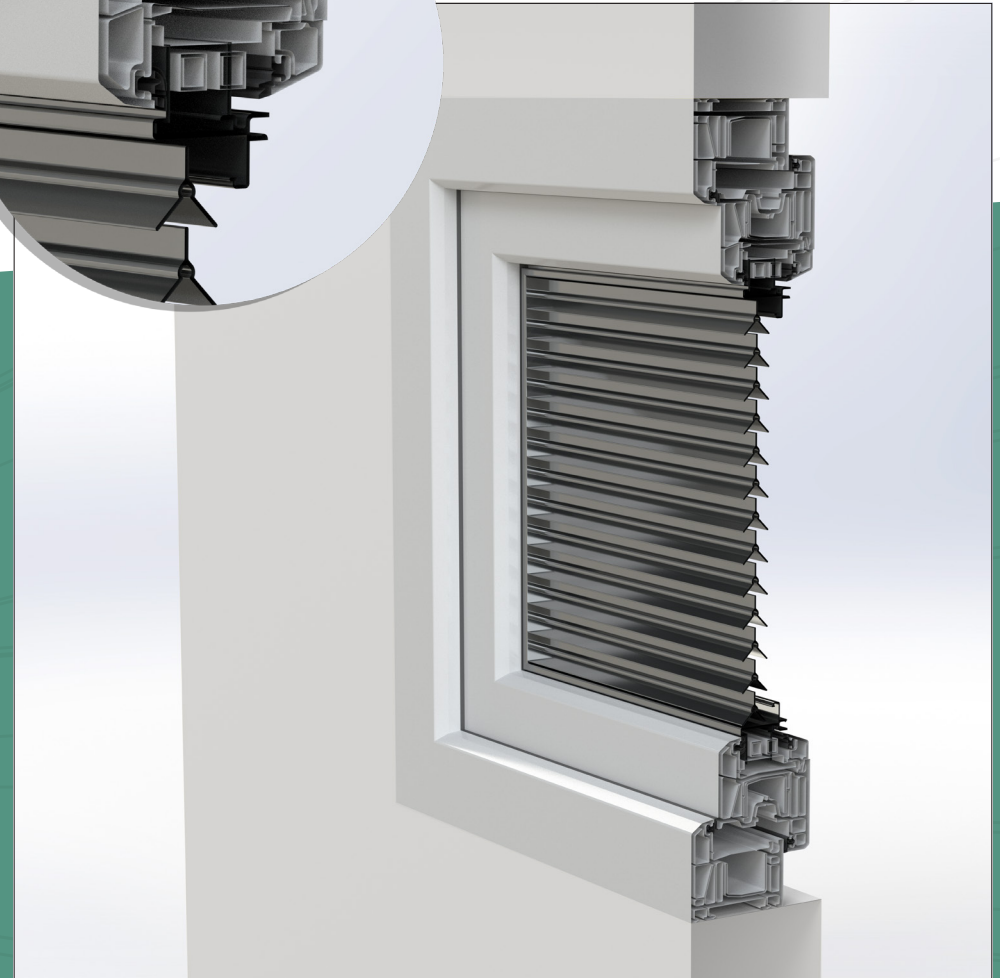
Glazed-in Mounting Type

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Glazed-in louvre

With this option, the louvre is mounted in the window or door frame, allowing it to be integrated into the entire joinery system. This provides both functionality and aesthetic consistency within the overall design. It works particularly well in commercial premises.



WHY CHOOSE BROOKVENT?

airlouvreTM
BRL

Ventilation

Louvres have been developed to provide air exchange even in the most demanding areas where standard plastic ventilators will not work.

Resistance to water penetration

The louvres have been tested by the Building Research Institute, which has issued a certificate. Our selected models have obtained the highest class of resistance to atmospheric precipitation.

Aesthetics

Our products are not standard air intakes. We go to great lengths to ensure the highest possible quality of finish, making the louvres ideal for installation in high-standard buildings.

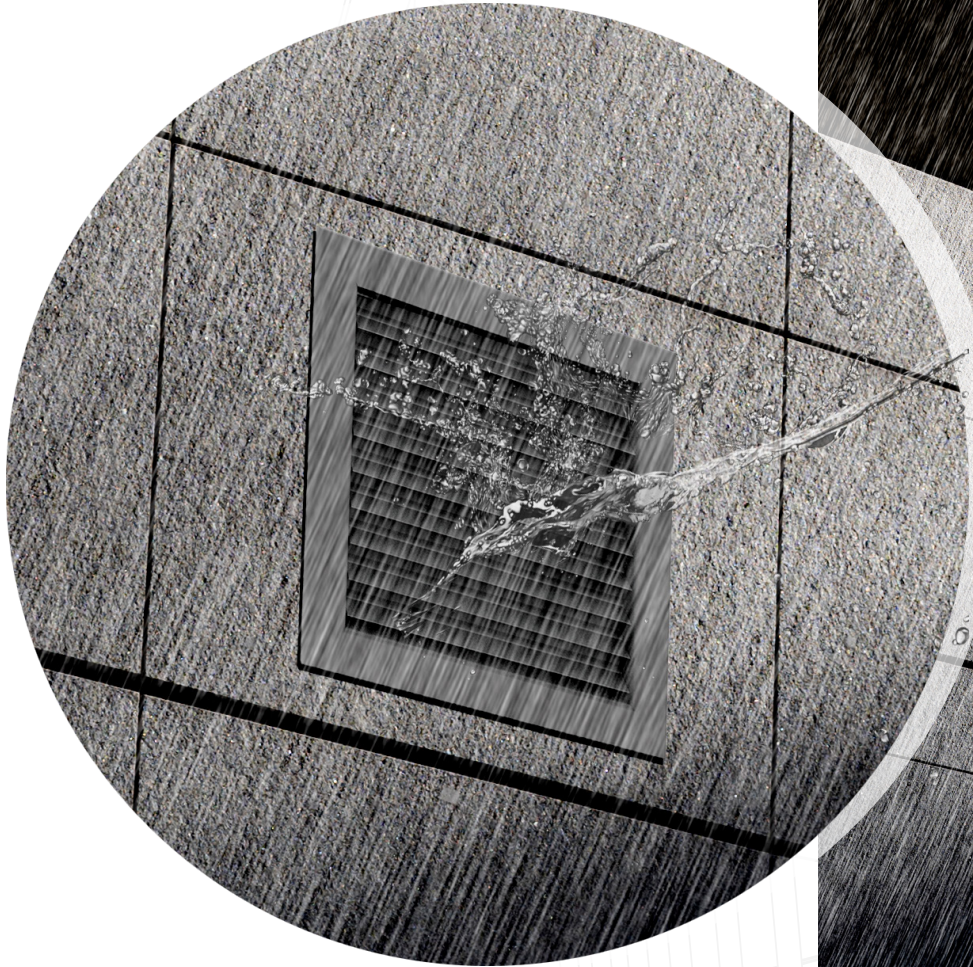
Corrosion resistance

Driven by quality, we have chosen to manufacture in aluminium. This allows our customers to enjoy their products for years, which steel equivalents cannot provide.

Technical support

We have the largest and most efficient technical facilities in Poland. Several departments - R&D, Sanitary Designers and Product Managers are ready to serve you in the selection of louvres. We produce dedicated DWG models and drawings to meet customer needs.

RESISTANCE TO RAINWATER PENETRATION



The louvres have been tested to EN13030:2001 in the UK by BSRIA, an internationally accredited body.

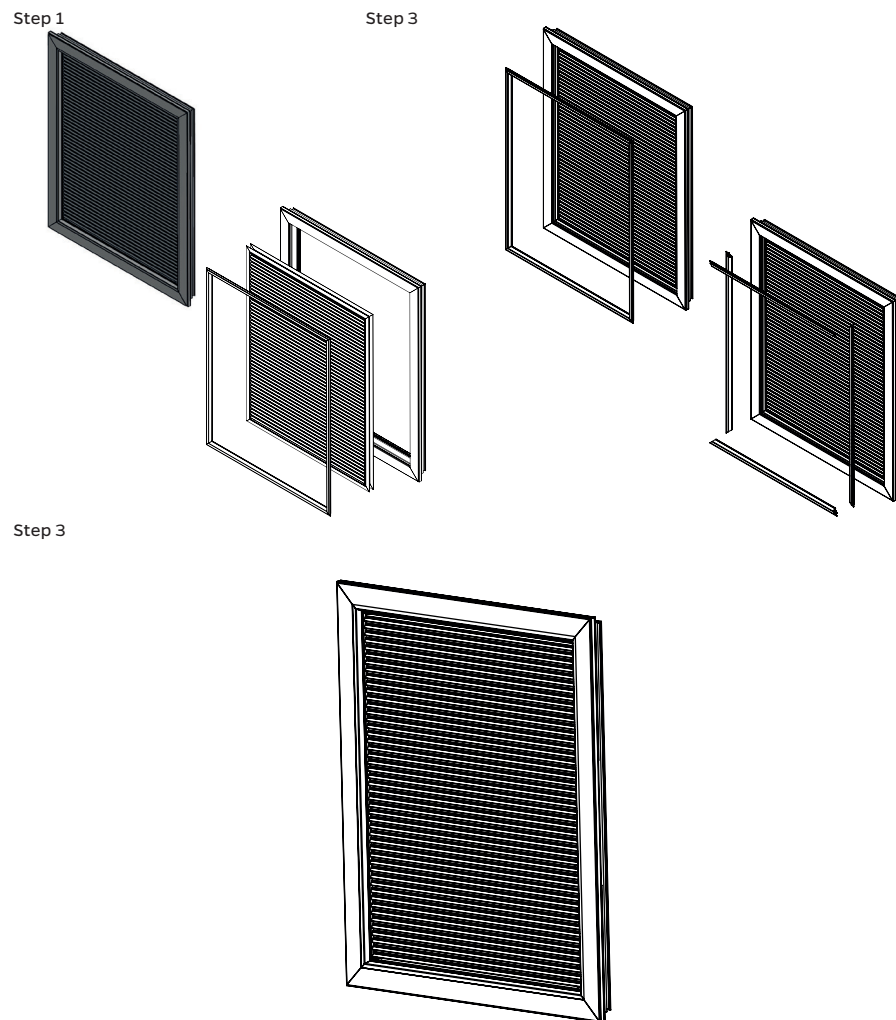


A 1 m² wall was tested in heavy rain of 75 litres/hour and a wind speed of 13 m/second. A table of weather resistance classes was drawn up according to the results obtained, i.e. the amount of water flowing through the louvre.

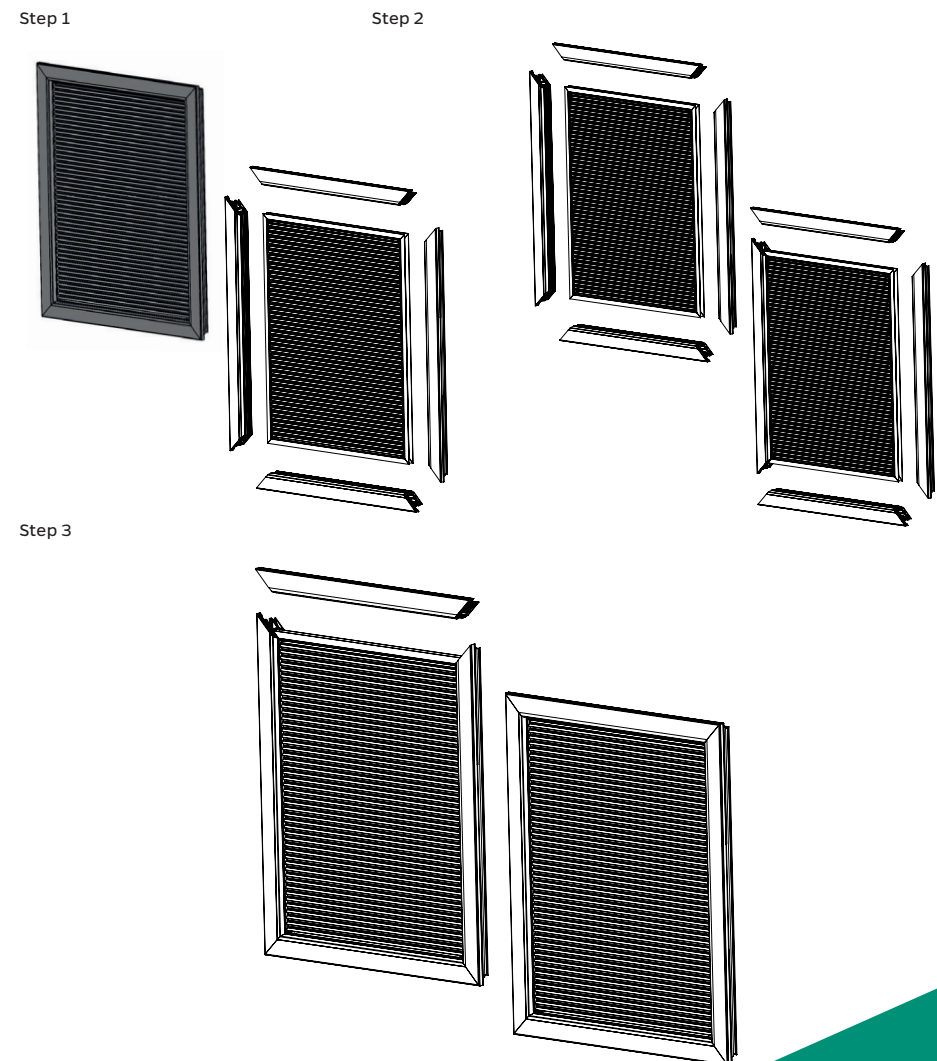
INSTALLATION PRINCIPLES

Assembly of louvre with **GL frame**

Option I



Option II



Standard ventilation louvres

Type of blade	Glazed-in louvres (GL)
20 V	BRL20V-GL 11
34 V	BRL34V-GL 12
34 Z	BRL34Z-GL 13
50 Z	BRL50Z-GL 14
60 Z	BRL60Z-GL 15

Ventilation louvres with increased flow area (HF)

Type of blade	Glazed-in louvres (GL)
34 Z	BRL34Z-GL HF 16



Ventilation louvres with increased water resistance (EWR)

Type of blade	Glazed-in louvres (GL)
34 Z	BRL34Z-GL EWR 17
50 Z	BRL50Z-GL EWR 18
60 Z	BRL60Z-GL EWR 19



TECHNICAL DATA SUMMARY

Model	Optical cross-section	Physical cross-section
(Glazed-in louvre) GL		
BRL 20V GL	94%	30%
BRL 34V GL	60%	50%
BRL 34Z GL	68%	35%
BRL50Z-GL	78%	48%
BRL60Z-GL	90%	76%
BRL34Z-GL HF	68%	48%
BRL34Z-GL EWR	29%	21%
BRL50Z-GL EWR	24%	16%
BRL60Z-GL EWR	40%	33%

Legenda:

HF - High Flow

EWR - Extreme Water Resistant

NOTES

GLAZED-IN MOUNTING (GL)

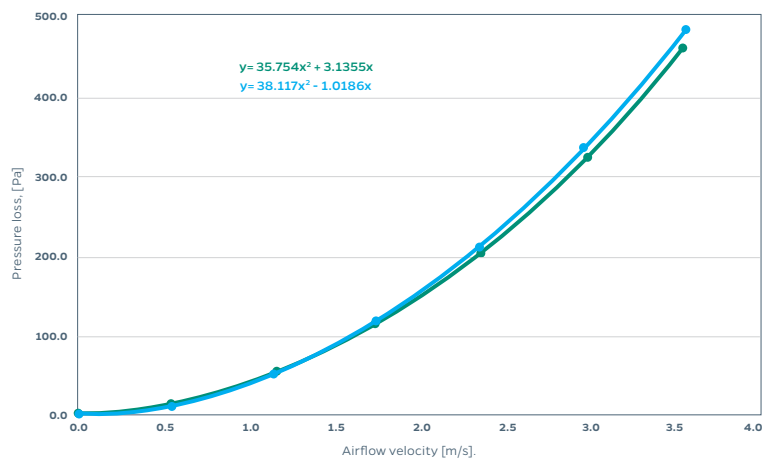


BRL20V-GL Glazed-in louvre with 20 mm V-blade



PRESSURE LOSS DIAGRAM

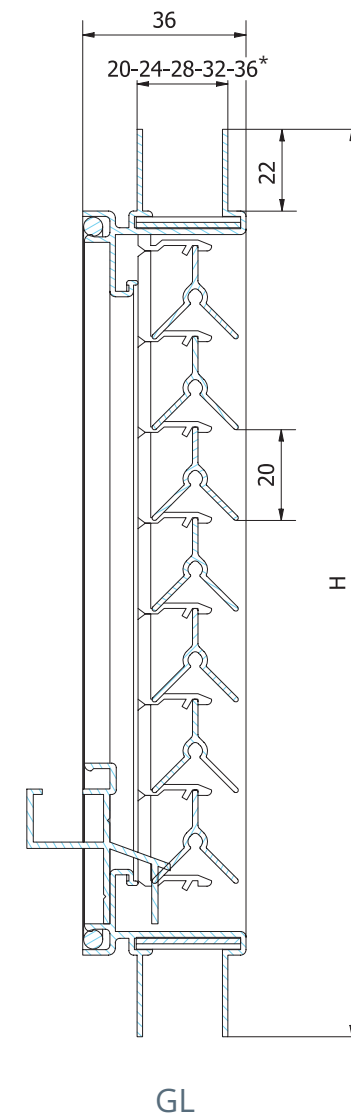
Intake BRL20V-GL / Ejector BRL20V-GL



Aerodynamic characteristics of wall-mounted air intake **BRL20V-GL**

Aerodynamic characteristics of wall-mounted air outlet **BRL20V-GL**

TECHNICAL DETAILS	
Profile	Extruded alu profiles EN AW-6060 T66 (AlMgSi0.5 F22)
Profile thickness	min. 1,1 mm
Height of the blade	20 mm
Blade pitch	20 mm
Rebate size	22 mm
Glazing thickness	20, 24, 28, 32 and 36 mm
Visual free area	94%
Physical free area	30%
Stainless steel mesh	RVS (AISI 304) with apertures 2.3 x 2.3 mm
Reinforcement	Louvres wider than 700 mm are provided with a reinforcement profile carrying additional blade supports to strengthen the wide louvre
INSTALLATION	
Fitting into glazing pocket using standard beads and packers.	
SHAPES	
Rectangular, square	
OPTIONS	
DIMENSIONS	
Min. dimension (height x width): 200 x 200 mm	
Max. dimension (height x width): 2000 x 4000 mm	
Other dimensions on request	

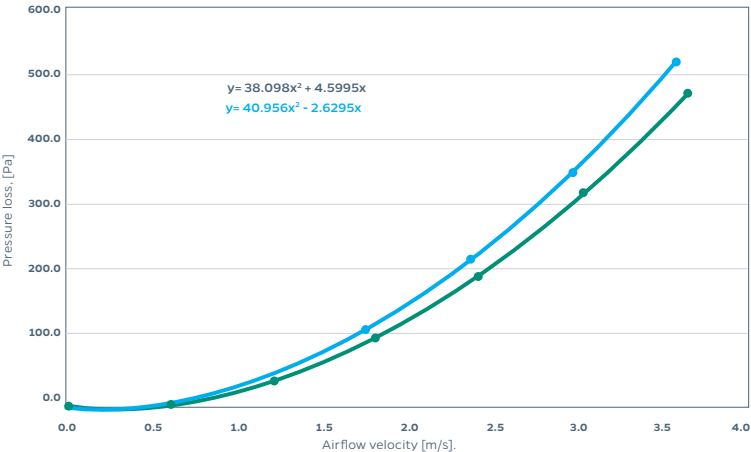


BRL34V-GL Glazed-in louvre with 34 mm V-blade



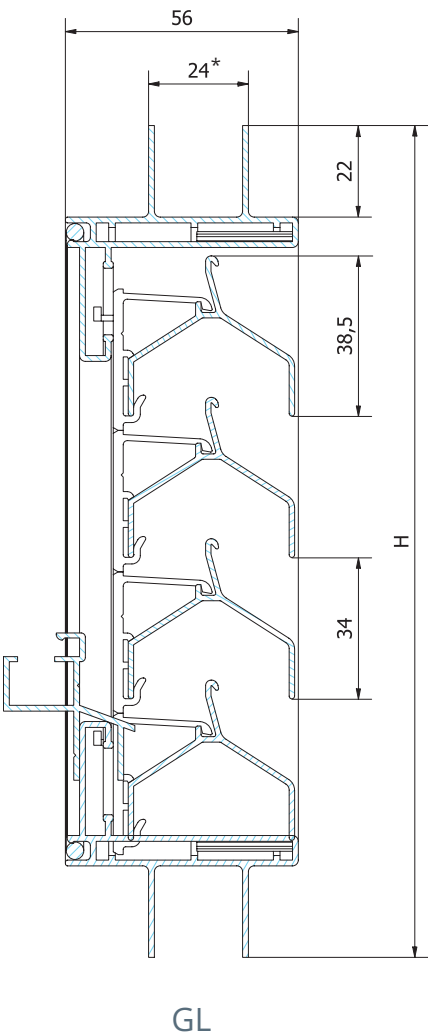
PRESSURE LOSS DIAGRAM

Intake BRL34V-GL / Ejector BRL34V-GL



Aerodynamic characteristics of wall-mounted air intake **BRL34V-GL**
Aerodynamic characteristics of wall-mounted air outlet **BRL34V-GL**

TECHNICAL DETAILS	
Profile	Extruded alu profiles EN AW-6060 T66 (AlMgSi0.5 F22)
Profile thickness	min. 1,3 mm
Glazing thickness	38,5 mm
Height of the blade	34 mm
Blade pitch	22 mm
Rebate size	24 mm
Visual free area	60%
Physical free area	50%
Stainless steel mesh	RVS (AISI 304) with apertures 2.3 x 2.3 mm
Reinforcement	Louvres wider than 700 mm are provided with a reinforcement profile carrying additional blade supports to strengthen the wide louvre
INSTALLATION	
Fitting into glazing pocket using standard beads and packers.	
SHAPES	
Rectangular, square	
OPTIONS	
Insect mesh; water gutter.	
DIMENSIONS	
Min. dimension (height x width): 200 x 200 mm	
Max. dimension (height x width): 2000 x 4000 mm	
Other dimensions on request	

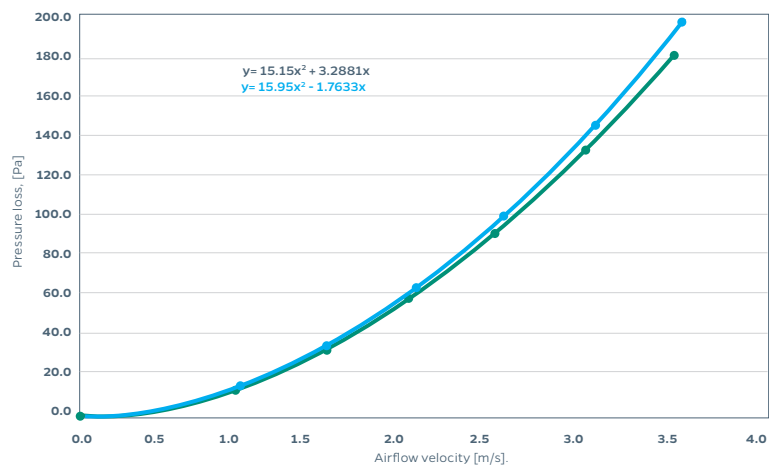


BRL34Z-GL Glazed-in louvre with 34 mm Z-blade



PRESSURE LOSS DIAGRAM

Intake BRL34Z-GL / Ejector BRL34Z-GL

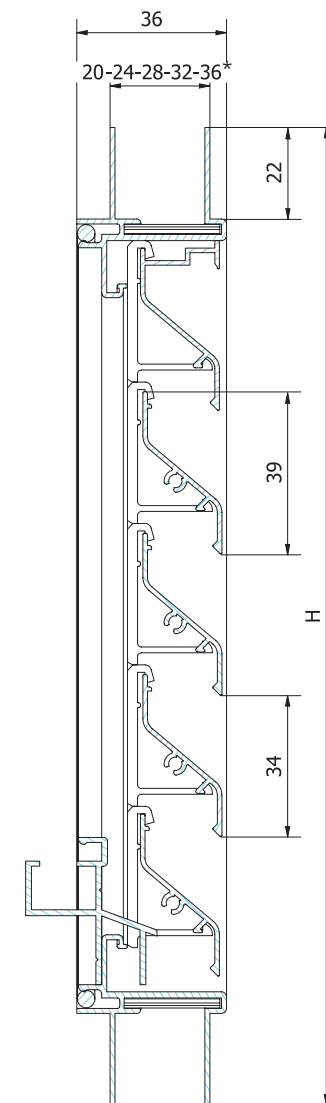


Aerodynamic characteristics of wall-mounted air intake **BRL34Z-GL**

Aerodynamic characteristics of wall-mounted air outlet **BRL34Z-GL**

TECHNICAL DETAILS	
Profile	Extruded alu profiles EN AW-6060 T66 (AlMgSi0.5 F22)
Profile thickness	min. 1,1 mm
Height of the blade	39 mm
Blade pitch	34 mm
Rebate size	22 mm
Glazing thickness	20, 24, 28, 32 or 36 mm
Visual free area	68%
Physical free area	35%
Stainless steel mesh	RVS (AISI 304) with apertures 2.3 x 2.3 mm
Reinforcement	Louvres wider than 700 mm are provided with a reinforcement profile carrying additional blade supports to strengthen the wide louvre
INSTALLATION	
Fitting into glazing pocket using standard beads and packers.	
SHAPES	
Rectangular. square	
OPTIONS	
Insect mesh; water gutter.	

DIMENSIONS	
Min. dimension (height x width): 200 x 200 mm	
Max. dimension (height x width): 2000 x 4000 mm	
Other dimensions on request	



GL

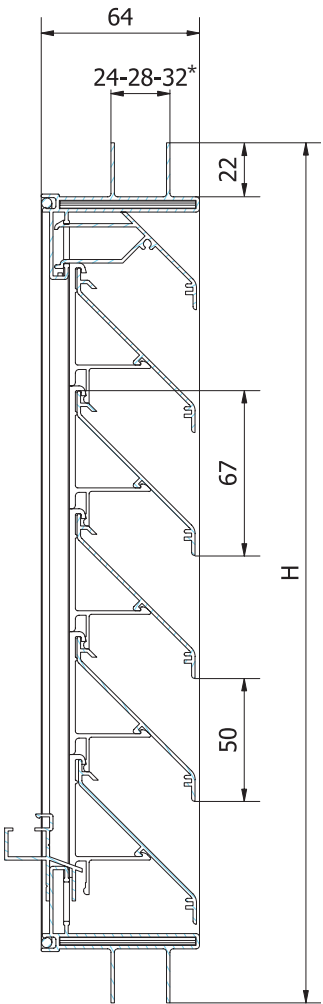
BRL50Z-GL Glazed-in louvre with 50 mm Z-blade



TECHNICAL DETAILS	
Profile	Extruded alu profiles EN AW-6060 T66 (AlMgSi0.5 F22)
Profile thickness	min. 1,4 mm
Height of the blade	67 mm
Blade pitch	50 mm
Rebate size	22 mm
Glazing thickness	24, 28 or 32 mm
Visual free area	78%
Physical free area	48%
Stainless steel mesh	RVS (AISI 304) with apertures 2.3 x 2.3 mm
Reinforcement	Louvres wider than 700 mm are provided with a reinforcement profile carrying additional blade supports to strengthen the wide louvre

INSTALLATION
Fitting into glazing pocket using standard beads and packers.
SHAPES
Rectangular. square
OPTIONS
Insect mesh; water gutter.

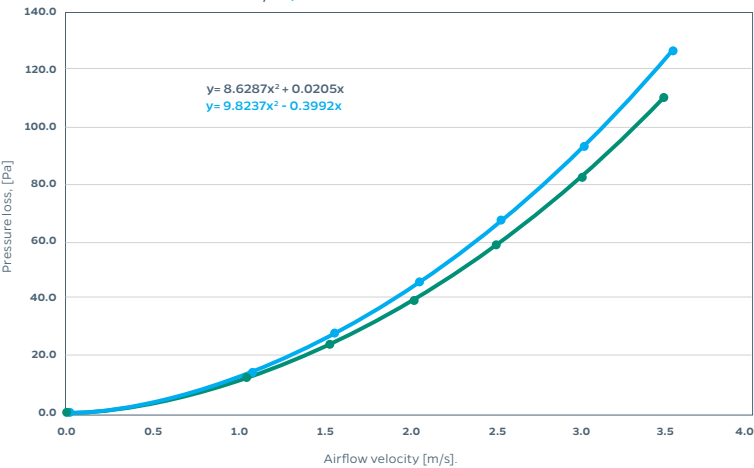
DIMENSIONS
Min. dimension (height x width): 200 x 200 mm
Max. dimension (height x width): 2000 x 4000 mm
Other dimensions on request



GL

PRESSURE LOSS DIAGRAM

Intake BRL50Z-GL / Ejector BRL50Z-GL



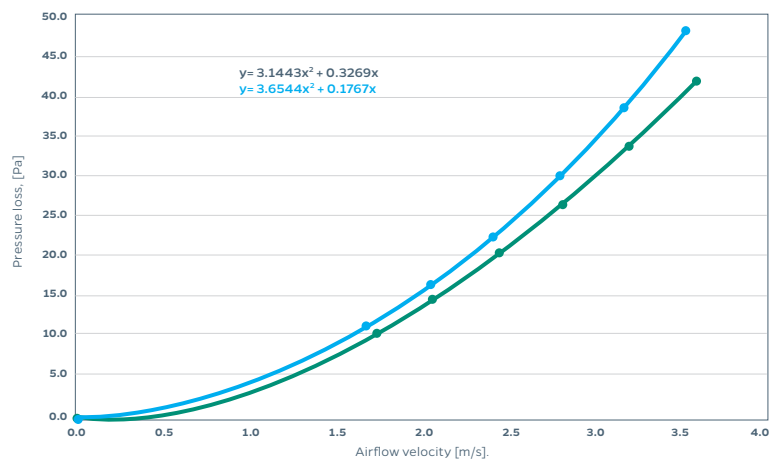
Aerodynamic characteristics of wall-mounted air intake **BRL50Z-GL**
Aerodynamic characteristics of wall-mounted air outlet **BRL50Z-GL**

BRL60Z-GL Glazed-in louvre with 60 mm Z-blade



PRESSURE LOSS DIAGRAM

Intake BRL60Z-GL / Ejector BRL60Z-GL



Aerodynamic characteristics of wall-mounted air intake **BRL60Z-GL**

Aerodynamic characteristics of wall-mounted air outlet **BRL60Z-GL**

TECHNICAL DETAILS

Profile	Extruded alu profiles EN AW-6060 T66 (AlMgSi0.5 F22)
Profile thickness	min. 1,4 mm
Height of the blade	60 mm
Blade pitch	60 mm
Rebate size	30 mm
Glazing thickness	24, 28 or 32 mm
Visual free area	90%
Physical free area	76%
Stainless steel mesh	RVS (AISI 304) with apertures 2.3 x 2.3 mm
Reinforcement	Louvres wider than 700 mm are provided with a reinforcement profile carrying additional blade supports to strengthen the wide louvre

INSTALLATION

Fitting into glazing pocket using standard beads and packers.

SHAPES

Rectangular, square

OPTIONS

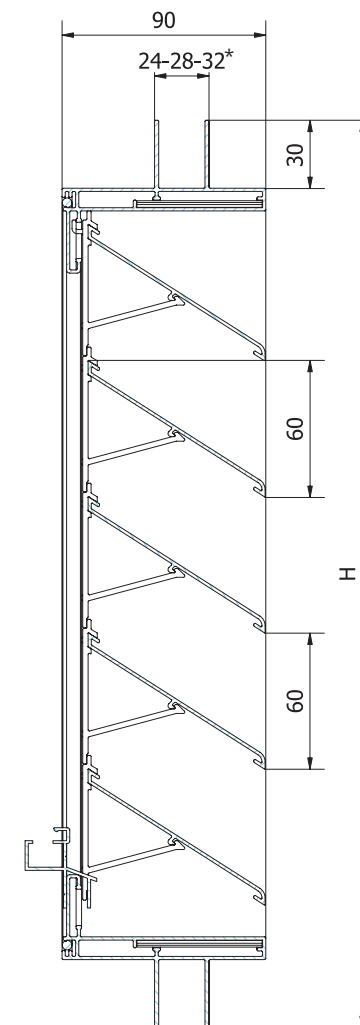
Insect mesh; water gutter.

DIMENSIONS

Min. dimension (height x width): 200 x 200 mm

Max. dimension (height x width): 2000 x 4000 mm

Other dimensions on request



GL

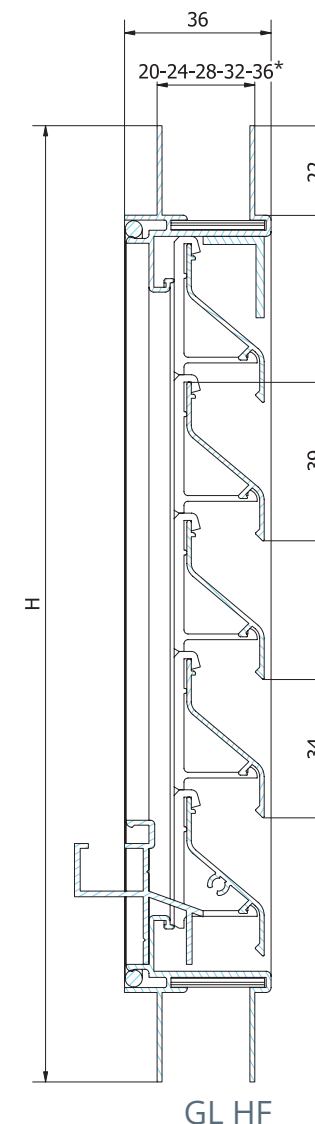
BRL34Z-GL HF Glazed-in louvre with 34 mm Z-blade with high flow surface area



TECHNICAL DETAILS	
Profile	Extruded alu profiles EN AW-6060 T66 (AlMgSi0.5 F22)
Profile thickness	min. 1,1 mm
Height of the blade	39 mm
Blade pitch	34 mm
Rebate size	22 mm
Glazing thickness	20, 24, 28, 32 or 36 mm
Visual free area	68%
Physical free area	48%
Stainless steel mesh	RVS (AISI 304) with apertures 2.3 x 2.3 mm
Reinforcement	Louvres wider than 700 mm are provided with a reinforcement profile carrying additional blade supports to strengthen the wide louvre

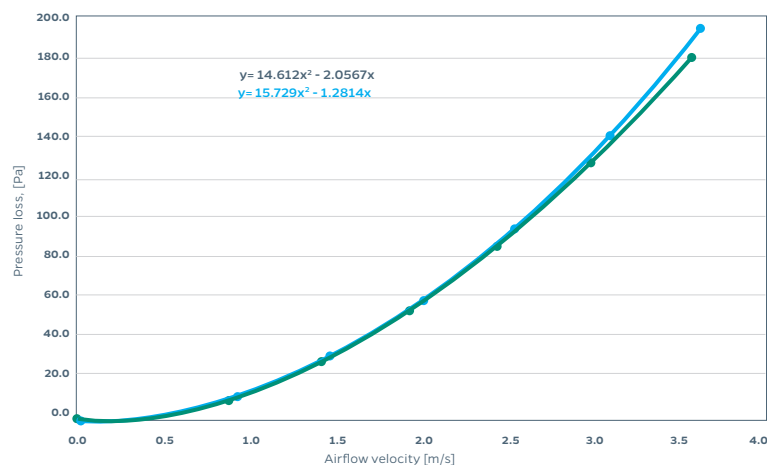
INSTALLATION	
Fitting into glazing pocket using standard beads and packers.	
SHAPES	
Rectangular. square	
OPTIONS	
Insect mesh; water gutter.	

DIMENSIONS	
Min. dimension (height x width): 200 x 200 mm	
Max. dimension (height x width): 2000 x 4000 mm	
Other dimensions on request	



PRESSURE LOSS DIAGRAM

Intake BRL34Z-GL HF / Ejector BRL34Z-GL HF



Aerodynamic characteristics of wall-mounted air intake **BRL34Z-GL HF**

Aerodynamic characteristics of wall-mounted air outlet **BRL34Z-GL HF**

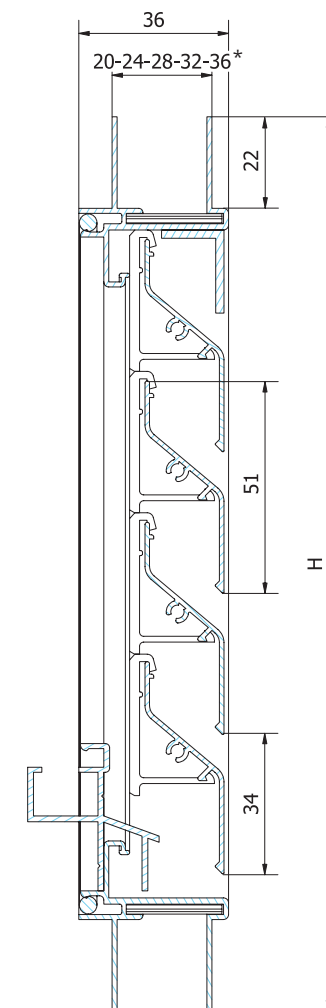
BRL34Z-GL EWR Glazed-in louvre with 34 mm Z-blade with increased water resistance



TECHNICAL DETAILS	
Profile	Extruded alu profiles EN AW-6060 T66 (AlMgSi0.5 F22)
Profile thickness	min. 1,1 mm
Height of the blade	51 mm
Blade pitch	34 mm
Rebate size	22 mm
Glazing thickness	20, 24, 28, 32 or 36 mm
Visual free area	29%
Physical free area	21%
Stainless steel mesh	RVS (AISI 304) with apertures 2.3 x 2.3 mm
Reinforcement	Louvres wider than 700 mm are provided with a reinforcement profile carrying additional blade supports to strengthen the wide louvre

INSTALLATION
Fitting into glazing pocket using standard beads and packers.
SHAPES
Rectangular, square
OPTIONS
Insect mesh; water gutter.

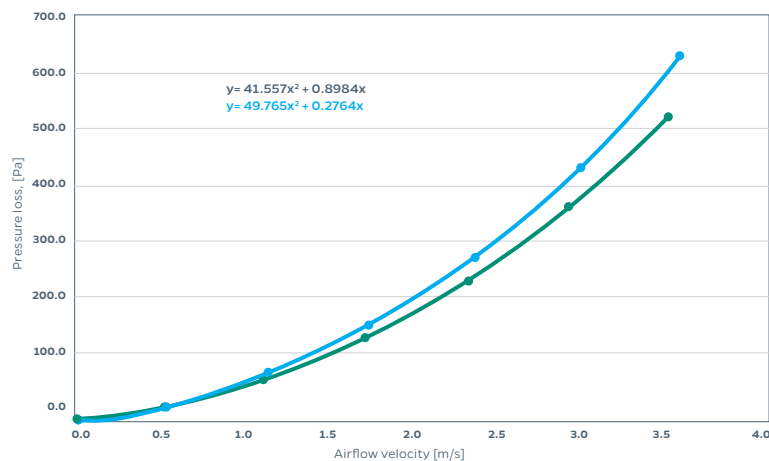
DIMENSIONS
Min. dimension (height x width): 200 x 200 mm
Max. dimension (height x width): 2000 x 4000 mm
Other dimensions on request



GL EWR

PRESSURE LOSS DIAGRAM

Intake BRL34Z-GL EWR / Ejector BRL34Z-GL EWR



Aerodynamic characteristics of wall-mounted air intake **BRL34Z-GL EWR**

Aerodynamic characteristics of wall-mounted air outlet **BRL34Z-GL EWR**

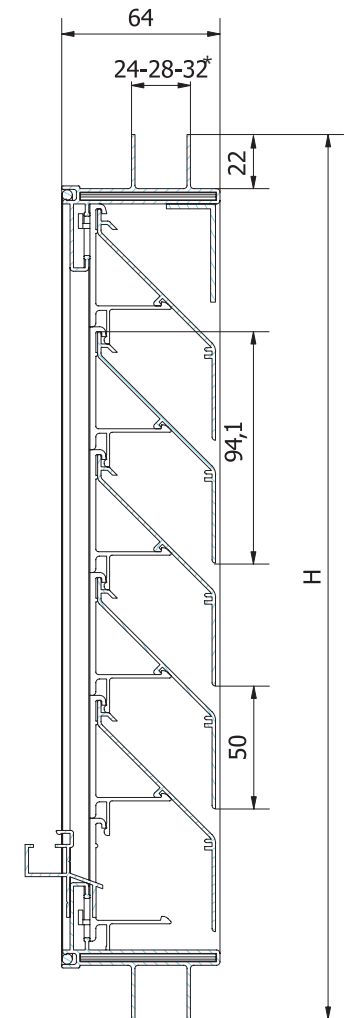
BRL50Z-GL EWR Glazed-in louvre with 50 mm Z-blade with increased water resistance



TECHNICAL DETAILS	
Profile	Extruded alu profiles EN AW-6060 T66 (AlMgSi0.5 F22)
Profile thickness	min. 1,4 mm
Height of the blade	94,1 mm
Blade pitch	50 mm
Rebate size	22 mm
Glazing thickness	24, 28 or 32 mm
Visual free area	24%
Physical free area	16%
Stainless steel mesh	RVS (AISI 304) with apertures 2.3 x 2.3 mm
Reinforcement	Louvres wider than 700 mm are provided with a reinforcement profile carrying additional blade supports to strengthen the wide louvre

INSTALLATION
Fitting into glazing pocket using standard beads and packers.
SHAPES
Rectangular. square
OPTIONS
Insect mesh; water gutter.

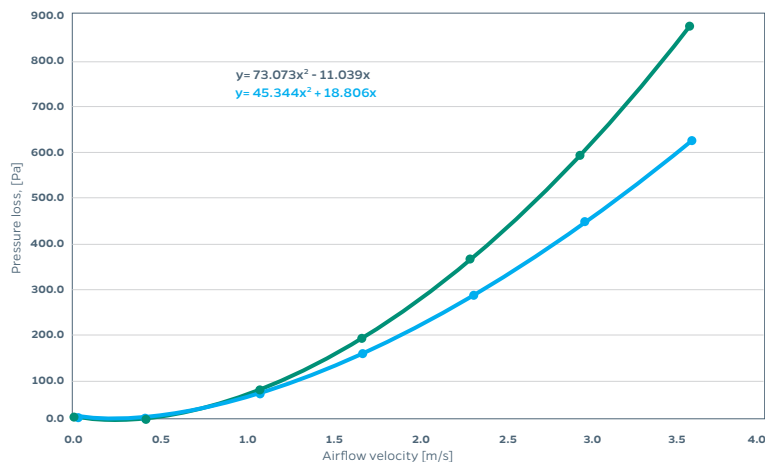
DIMENSIONS
Min. dimension (height x width): 200 x 200 mm
Max. dimension (height x width): 2000 x 4000 mm
Other dimensions on request



GL EWR

PRESSURE LOSS DIAGRAM

Intake BRL50Z-GL EWR / Ejector BRL50Z-GL EWR



Aerodynamic characteristics of wall-mounted air intake **BRL50Z-GL EWR**

Aerodynamic characteristics of wall-mounted air outlet **BRL50Z-GL EWR**

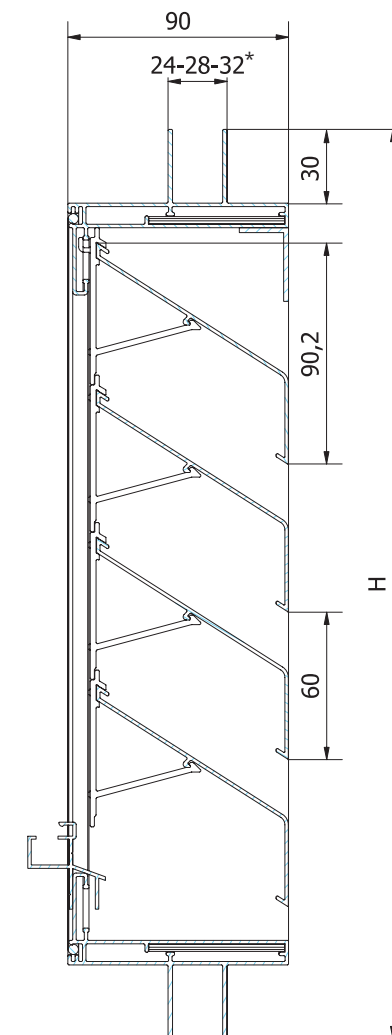
BRL60Z-GL EWR Glazed-in louvre with 60 mm Z-blade with increased water resistance



TECHNICAL DETAILS	
Profile	Extruded alu profiles EN AW-6060 T66 (AlMgSi0.5 F22)
Profile thickness	min. 1,4 mm
Height of the blade	90,2 mm
Blade pitch	60 mm
Rebate size	30 mm
Glazing thickness	24, 28 or 32 mm
Visual free area	40%
Physical free area	33%
Stainless steel mesh	RVS (AISI 304) with apertures 2.3 x 2.3 mm
Reinforcement	Louvres wider than 700 mm are provided with a reinforcement profile carrying additional blade supports to strengthen the wide louvre

INSTALLATION
Fitting into glazing pocket using standard beads and packers.
SHAPES
Rectangular. square
OPTIONS
Insect mesh; water gutter.

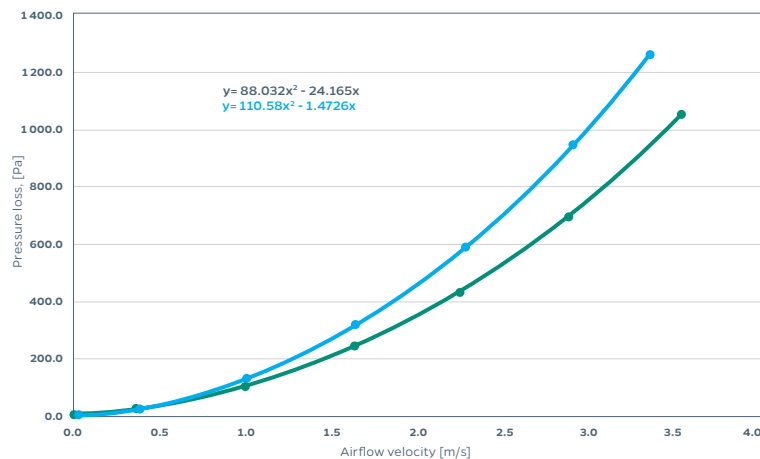
DIMENSIONS
Min. dimension (height x width): 200 x 200 mm
Max. dimension (height x width): 2000 x 4000 mm
Other dimensions on request



GL EWR

PRESSURE LOSS DIAGRAM

Intake BRL60Z-GL EWR / Ejector BRL60Z-GL EWR



Aerodynamic characteristics of wall-mounted air intake **BRL60Z-GL EWR**

Aerodynamic characteristics of wall-mounted air outlet **BRL60Z-GL EWR**

STANDARD AND OPTIONAL EQUIPMENT

STANDARD FINISHING

Paint coating (powder-coated in RAL)

Stainless steel (AISI 304) insect screen with 2.3 x 2.3 mm holes

OPTIONAL FINISHING

Aluminium gutter EN AW-6060 T66 (AlMgSi0.5 F22)

Labelling

Different type of mesh

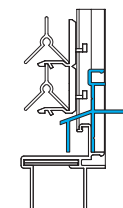
Custom colour or paint code

Combination of louvres

Frame-mounted ventilation louvres with different glazing unit thicknesses

Flanged installation ventilation louvres without outer flange (outer frame)

RC2 version for BRL34Z-SM (HF), 34Z SM (EWR)



SPECIAL COATINGS

SPECIAL COATINGS

Extended delivery time possible, additional preparation costs may apply

Other RAL colour	to be priced
Other paint code	to be priced
Pre-anodising	to be priced
Natural anodising	to be priced
Anodising colour	to be priced
Seaside	to be priced

Information needed for pricing purposes:

Louvre model	
Number of pieces	
Width of mounting hole L (mm).	
Height of mounting hole H (mm).	
RAL colour and manufacturer (if required), texture (e.g. matt)	
Thickness of glazing unit* (applies to GL frames only)	
Additional options (e.g. drainage gutter)	
Remarks (e.g. no insect screen)	

