



## GLV-INS77 INSULATED STEEL SHUTTER

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GLV-INS77



### PRODUCT DESCRIPTION

#### GLV-INS77 Insulated Steel Shutter

Our GLV-INS77 model of insulated roller shutters combines a high level of security alongside great insulation to provide you with the perfect fit on various applications. This shutter caters to a large range of dimensions but is particularly useful for openings that have limited headroom but also require a high level of thermal performance. This shutter will considerably reduce heat loss and noise pollution, and also reduce energy costs when compared against its standard steel alternative.

The GLV-INS77 is manufactured using a double skinned 77mm steel slat with polyurethane foam insulating core, which is held together using nylon end locks. Wind locked guides can be provided for shutters in exposed areas if required. This shutter can be powder coated to any Stock RAL/BS colour, and can also be coated in 1 of 8 Polycoat laminate colours for a surcharge.

### IDEAL USES

- Warehouses
- Factories
- Shop Fronts
- Areas exposed to high wind
- Loading bays
- Garage doors
- Other areas where a high level of security is required as well as a high degree of insulation

### KEY FEATURES

- High level of security
- Can cover apertures of up to 7 metres width using a single phase motor
- Can be upgraded to a high-speed outboard motor if necessary
- Small plate dimensions in comparison to other Insulated Steel models

## TECHNICAL SPECIFICATIONS

### Shutter Curtain

Double skinned 77mm steel slat with polyurethane foam insulating core.

Colour: Galvanised finish as standard. Can be powder coated to any Stock RAL/BS colour, and can also be coated in 1 of 8 Polycoat laminate colours for a surcharge.

Profile Height: 77mm

Weight per m2: 10.6kg

### VERTICAL SIDE GUIDES / BOTTOM SLAT

Galvanised steel guide channels with brush seals. Extruded aluminium bottom slat with weather seal.

Colour: Galvanised finish as standard. Can be powder coated to any Stock RAL/BS colour, and can also be coated in 1 of 8 Polycoat laminate colours for a surcharge.

Note: The guide channels are bolted to fixing angles or box section to suit the application.

### ENCLOSURE / HOUSING

Manufactured from 0.5mm galvanised steel sheet with steel end caps.

Colour: Galvanised finish as standard. Can be powder coated to any Stock RAL/BS colour, and can also be coated in 1 of 8 Polycoat laminate colours for a surcharge.

### OPERATION

Electric: Single phase tubular motor or 3-phase outboard motor with push button control. Numerous options such as group or remote control etc available as required. Manual override facility as standard.

CE compliant to all applicable directives and regulations.

## ILLUSTRATIONS









## GLV-INS77

### Applications

Commercial sites requiring large aperture coverage and improved insulation properties. High speed motor option available for rapid rise / fast action opening and closing when in conjunction with appropriate sensory peripherals. Suitable for internal or external face or reveal fit.

### Curtain Slat

Double skinned polyester powder coated 77mm slat with polyurethane foam insulating core.

Finish: Galvanised as standard. Powder coating and Polycoat laminated finish available on request.

Profile Height: 77mm  
Weight per m<sup>2</sup>: 10.6kg  
Maximum Width: 8000mm  
Maximum Area: 21m<sup>2</sup> (tubular)  
42m<sup>2</sup> (outboard)  
Slat U-Value: 2.4 W/m<sup>2</sup>K  
Resistance to wind load: Class 5 at 7m

### Housing

Manufactured from 0.5mm galvanised steel sheet with steel end plates.

Finish: Galvanised as standard. Powder coating available on request.

Guide Height (mm)	Plate Size (mm)	Motor
2450	305	Tubular
3000	305	Tubular
5000	400	Tubular
4000	400	Outboard
6000	450	Outboard

Plate sizes shown as a guide only and may vary. Outboard motors will generally exceed the given plate size.

### Guide Channels

Galvanised steel guide channels with brush seal. Width of 65mm as standard; 85mm wind guides and windlocks available. The guide channels are bolted to fixing angles or box section to suit the application.

Finish: Galvanised as standard. Powder coating available on request.

### Bottom Slat

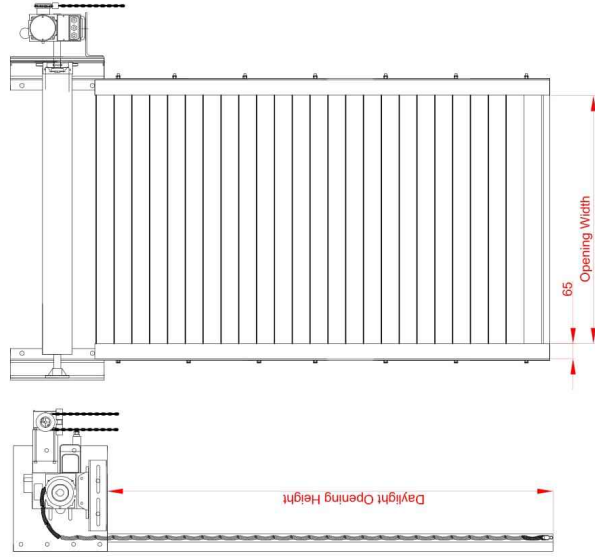
Extruded aluminium bottom slat with weather seal.

### Operation

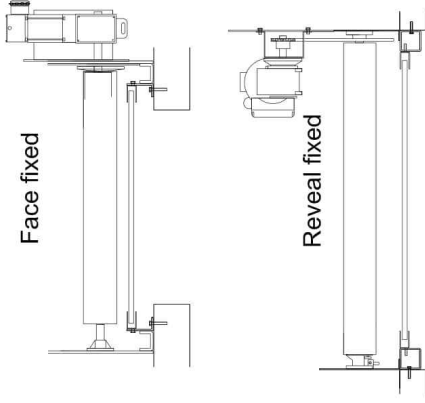
**Electric:** Single phase tubular, three phase outboard or high speed three phase outboard motor, with push button control. Numerous options such as group or remote control operation available as required. Manual override facility as standard. Safety peripherals (i.e., safety edge, photo-electric cell, etc.) will be required for automatic closing or high-speed operation.

CE compliant to all applicable directives and regulations.

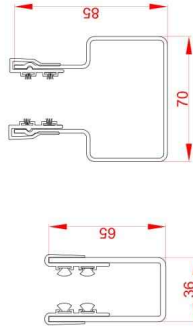
### Front Face



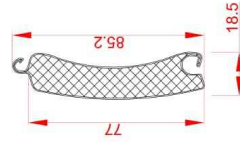
### Fixing Detail



### Guide Channels



### Slat Profile



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