



# Compact Industrial door

## *Product Information*

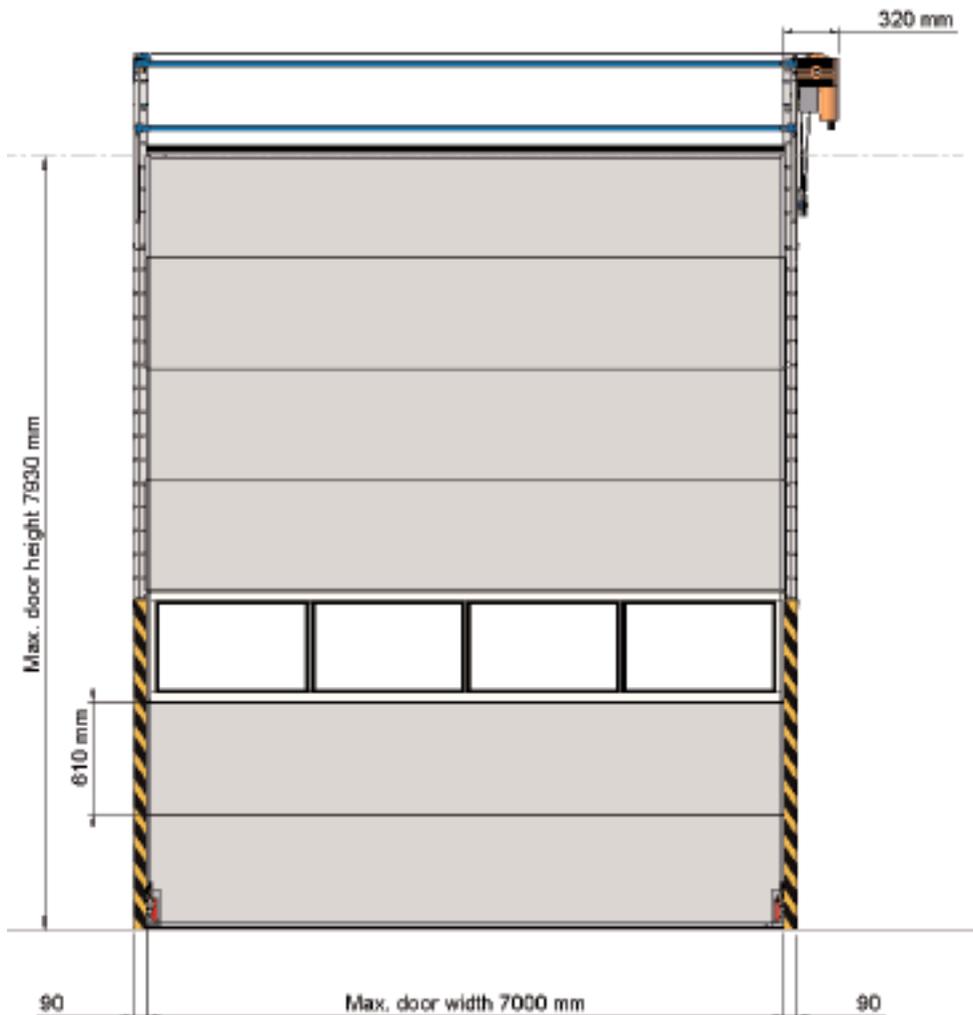
Product and Parts patented by Rolflex

Febr. 2006 - Nr. 11



**Compact**

*Industrialdoors*



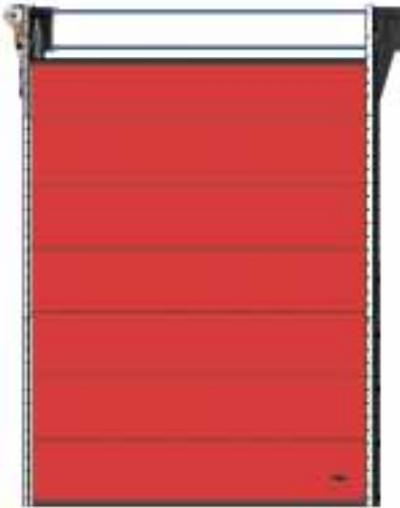
Rolflex Nederland BV is operational in the industrial door market since 1978. Years of experience and an urge to innovate have resulted in a unique industrial door, the Compact Door<sup>®</sup>. A product with extra benefits and attractive selling points. Easy to install and maintain. Rolflex is a reliable and adequate supplier of the Compact Door inclusive accessories and parts.

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RAL 3002 Carmine Red



RAL 5010 Gentian Blue



RAL 5017 Traffic Blue



RAL 6005 Moss Green

Panels

40mm insulated sandwich elements. Height 610mm.

CFK-free polystyrene foam covered with aluminium stucco finished cladding.

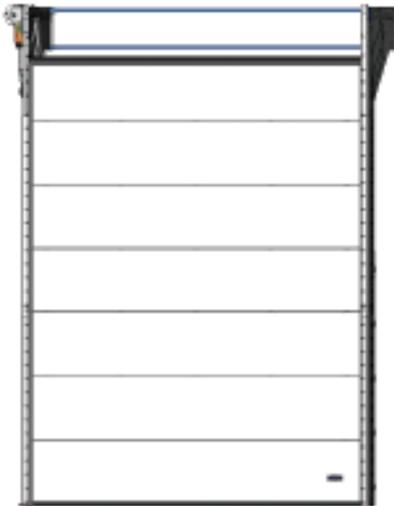
Printcolour reproduction are approximately.



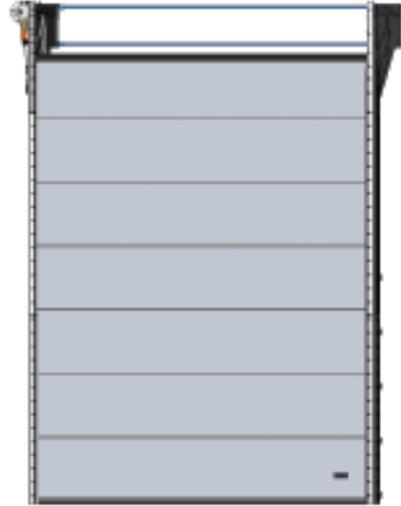
RAL 7016 Anthracite Grey



RAL 7032 Pobble Grey



RAL 9002 Grey White



RAL 9006 White Aluminium

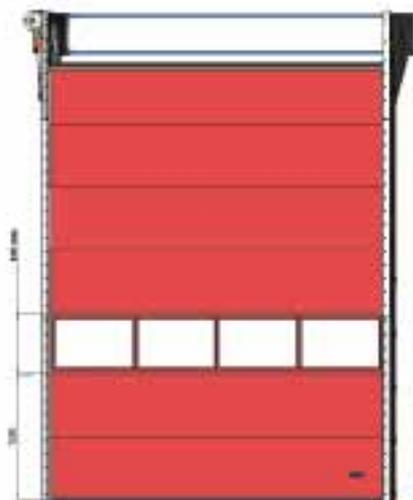
Insulation value  $K=0.76W(m^2K)$ .

Sound reduction  $\pm 20 dB(A)$ .

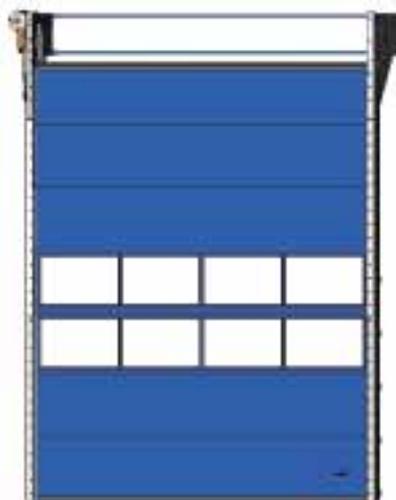
Windresistance : class 3.

Waterpenetration : class 2

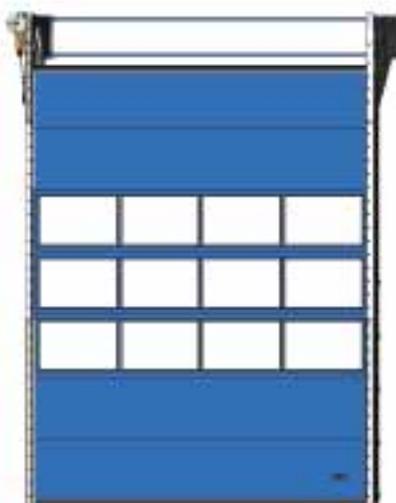
Air permeability : class 2



1 Full-vision element  
in panel no. 3



2 Full-vision elements  
in panel no. 3+4



3 Full-vision elements  
in panel no. 3+4+5

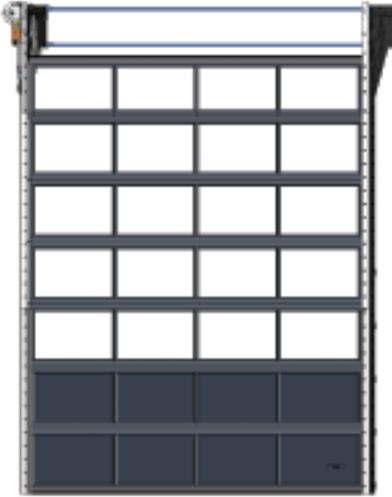


4 Full-vision elements  
in panel no. 2+3+4+5

## Panels

40 mm aluminium profiles with standard double SAN filling of 17mm thickness. Insulation value  $K = \pm 2,8 \text{ W/m}^2\text{K}$ . Other fillings at choice. In 8 standard colours: RAL 3002, 5010, 5017, 6005, 7016, 7032, 9002 or anodised aluminium.

The fillings are equally divided over the doorwidth.



7 elements full-vision in panel no. 1+2+3+4+5+6+7, panel 1+2 with closed fillings



7 elements full-vision in panel no. 1+2+3+4+5+6+7, panel 1 with closed fillings



6 elements full-vision in panel no. 2+3+4+5+6+7



5 elements full-vision in panel no. 2+3+4+5+6

## Options

- Double SAN or Lexan (17 mm)
- Single SAN or Lexan (4 mm)
- Safety glass (4 mm)
- Closed fillings (17 mm)
- Stainless steel netting (4 mm)

## Limitation:

- From 5000 mm opening width a maximum of 2 full-vision panels.
- Minimum height toppanel 135 mm.
- Complete full-vision doorblade till 5000 mm width: windclass 1.

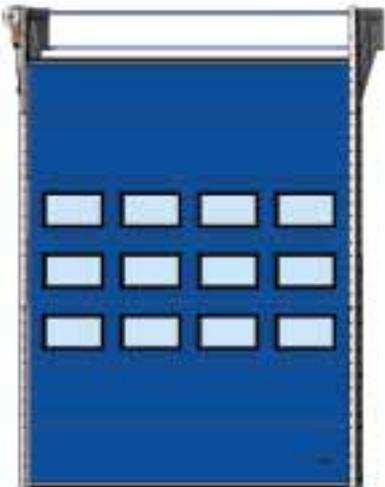
# WINDOWS RECTANGULAR



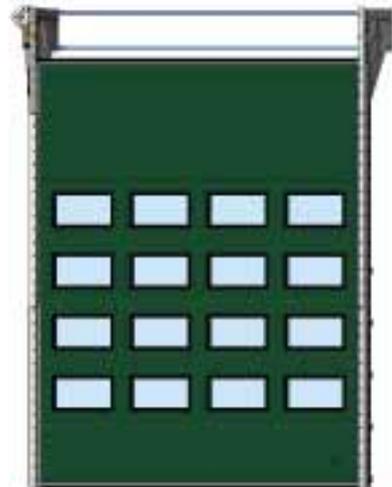
Windows in panel  
no. 3



Windows in panel  
no. 3+4



Windows in panel  
no. 3+4+5



Windows in panel  
no. 2+3+4+5

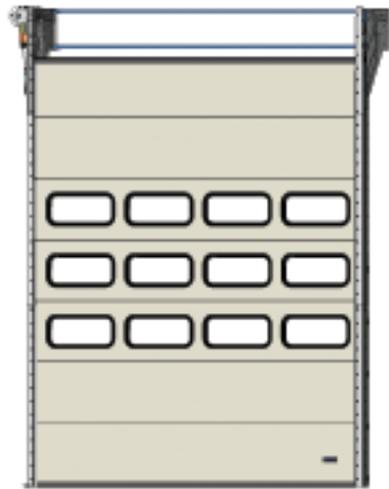


Rectangular window  
680x370mm (WxH)  
Net glazing 0.18m<sup>2</sup>  
Insulation:  $K = \pm 2,8W/m^2K$

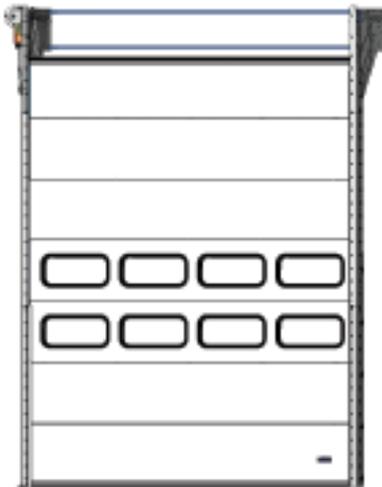
The windows are equally divided over the doorwidth.



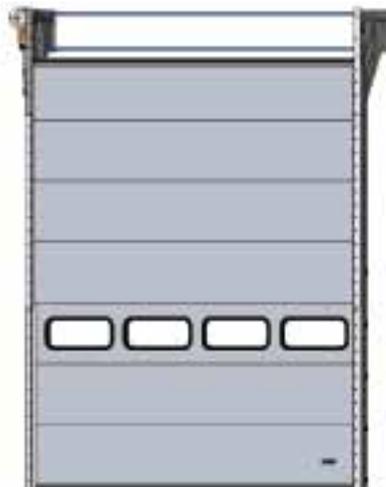
Windows in panel  
no. 3+4+5+6



Windows in panel  
no. 3+4+5



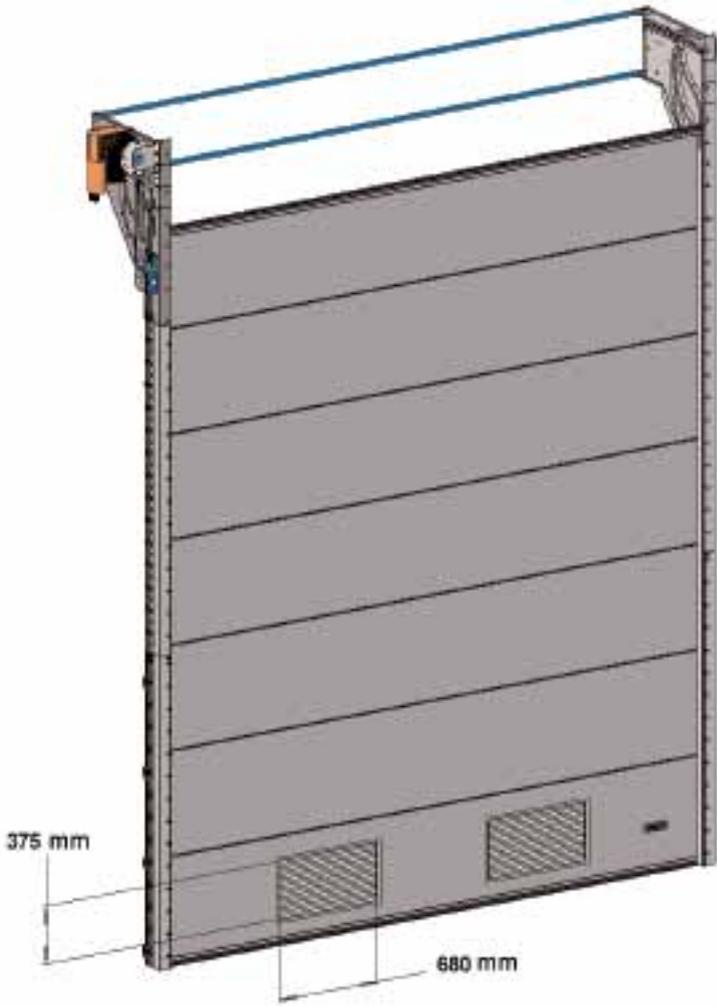
Windows in panel  
no. 3+4



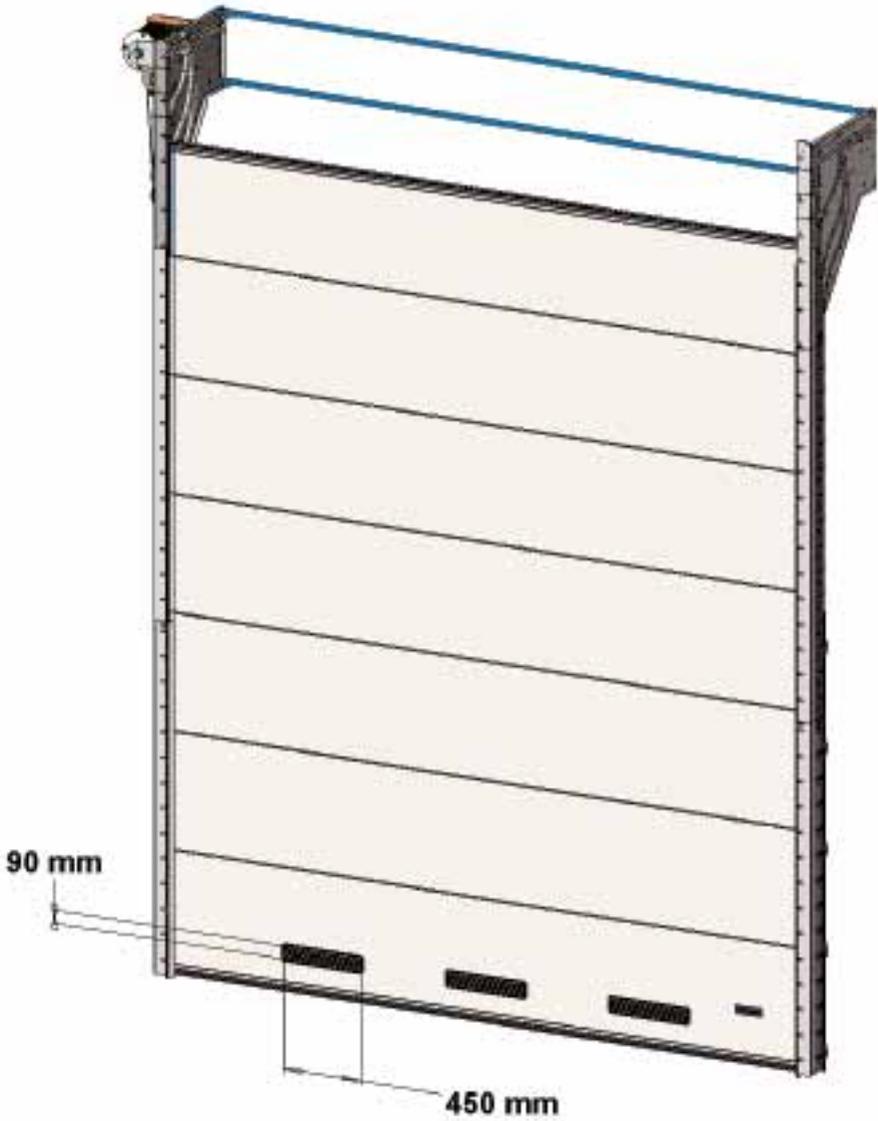
Windows in panel  
no. 3



Oval window  
725x325mm (WxH)  
Net glazing 0.17m<sup>2</sup>  
Insulation:  $K = \pm 2,8 \text{ W/m}^2\text{K}$

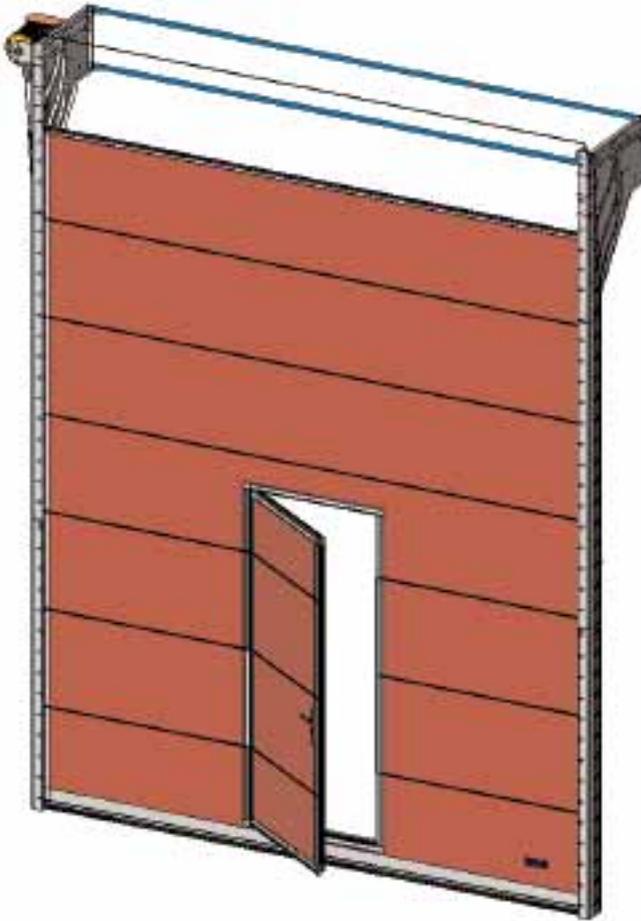


Dimension 680x375mm (WxH), net culvert 850 cm<sup>2</sup>  
Material: anodized aluminium



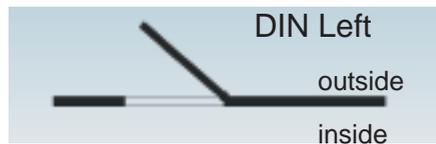
Dimension 450x 90mm (WxH), net culvert 215 cm<sup>2</sup>  
Material: black plastic

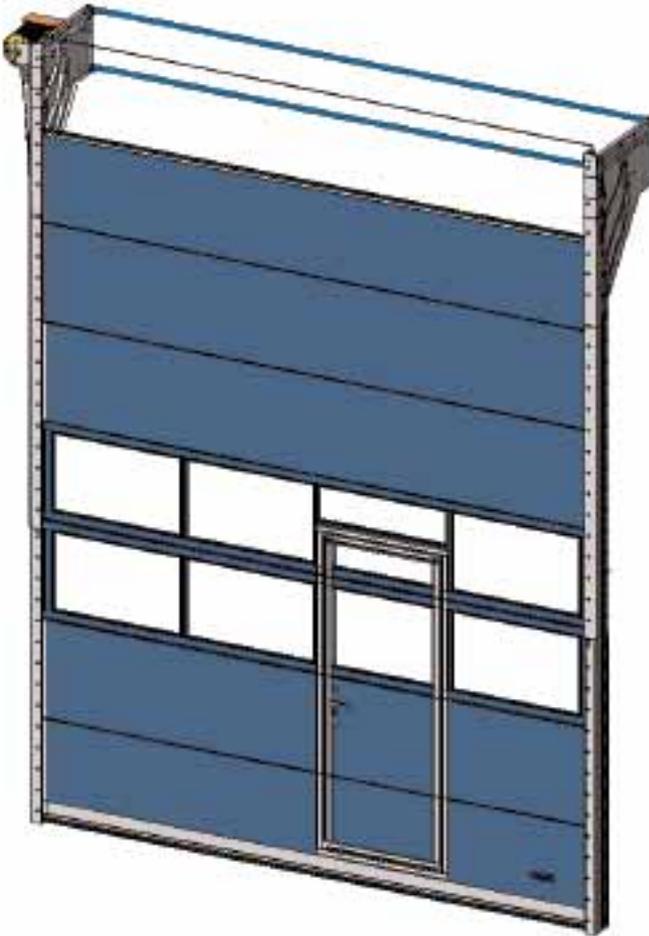
# WICKET DOOR



## Position wicket door

Report by order confirmation the position of the wicket door, For example middle, left or right, attention seen from inside. Also DIN left or DIN right (see example).





Dimensions wicket door:

Net width 850mm.

Net height 2100mm (from floor).

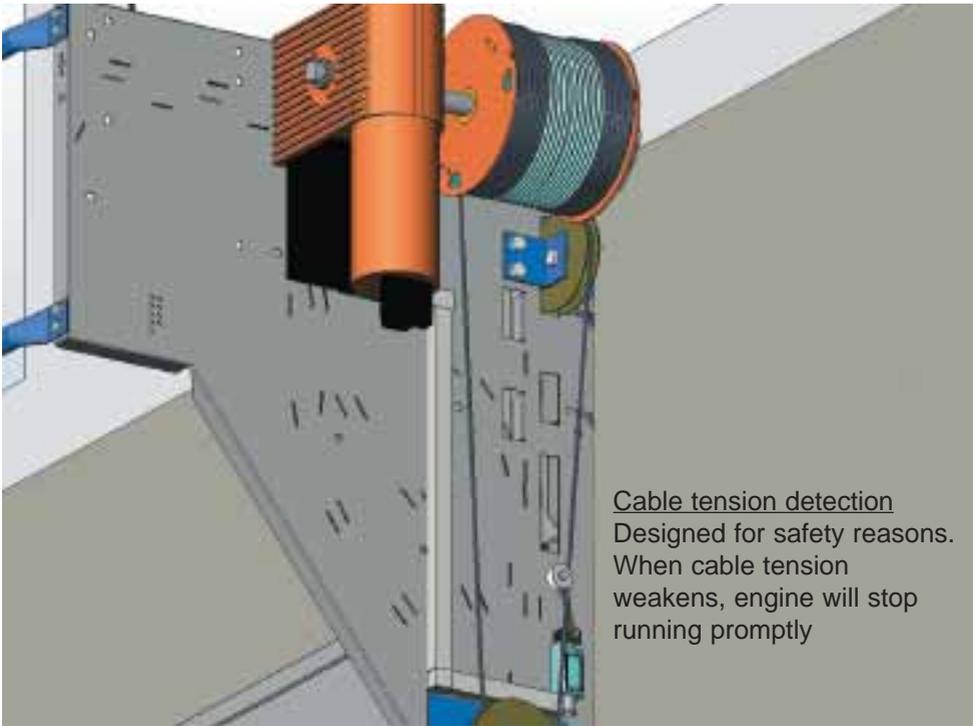
Threshold height approx. 235mm.

Maximum doorwidth: 5000mm and minimum doorheight: 2400mm.

Limit: From 4000mm doorwidth, full-vision panel only from 3th panel.

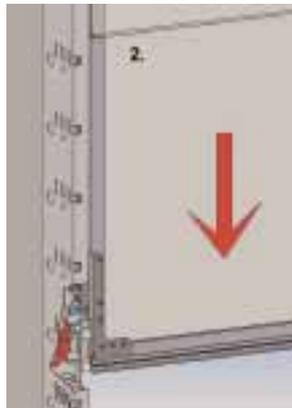
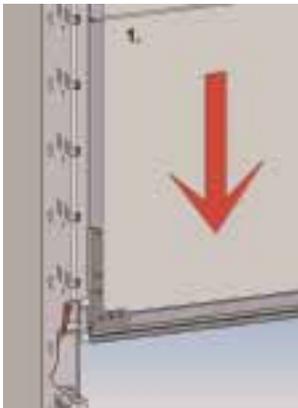
General information

Wicket door inside the door blade with a standard cylinder lock inclusive 3 keys and doorcloser. If the door is electrical operated a standard safety switch is delivered to prevent the motor from operating in case the pass door is open.

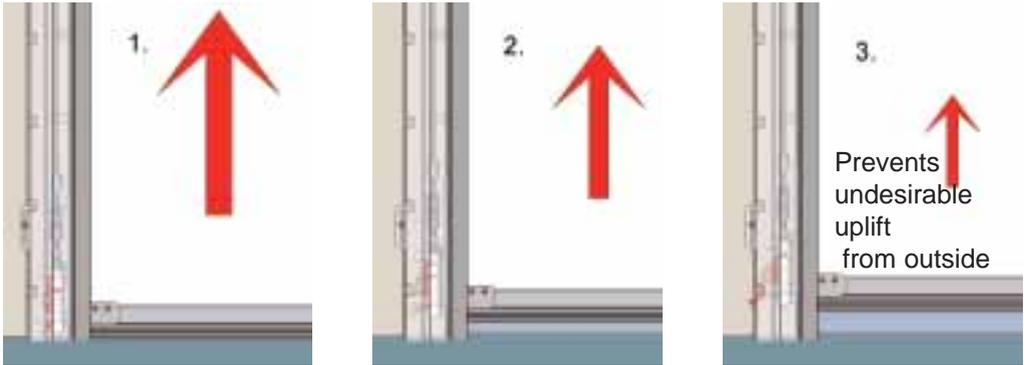


Cable tension detection  
Designed for safety reasons.  
When cable tension weakens, engine will stop running promptly

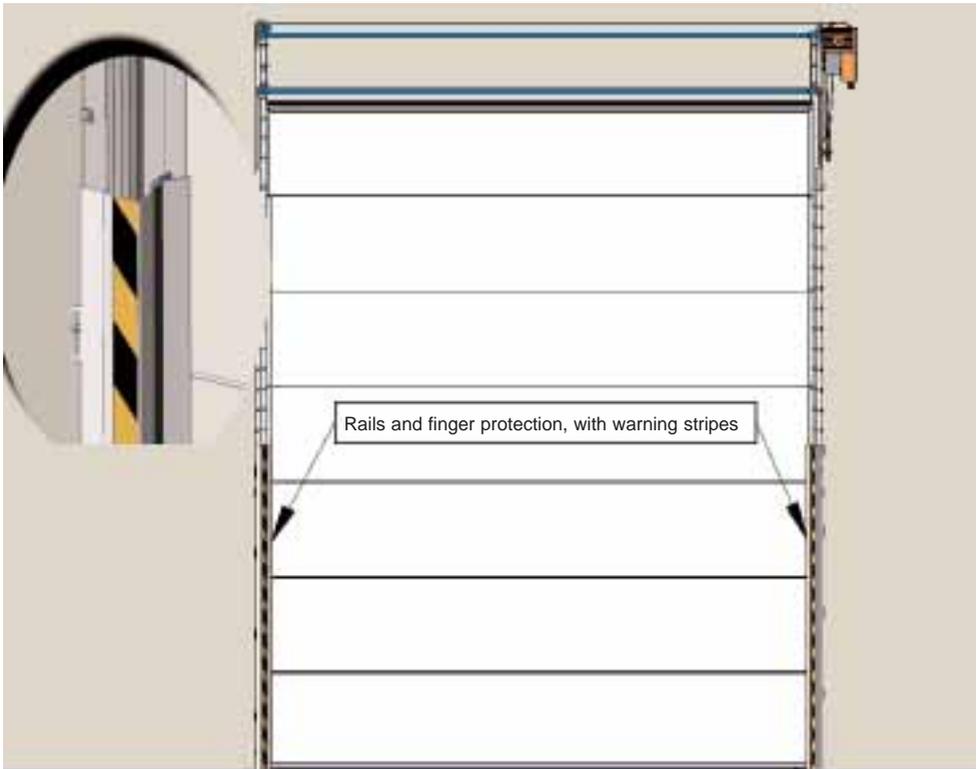
Cable-tension detection



Fall-safe device

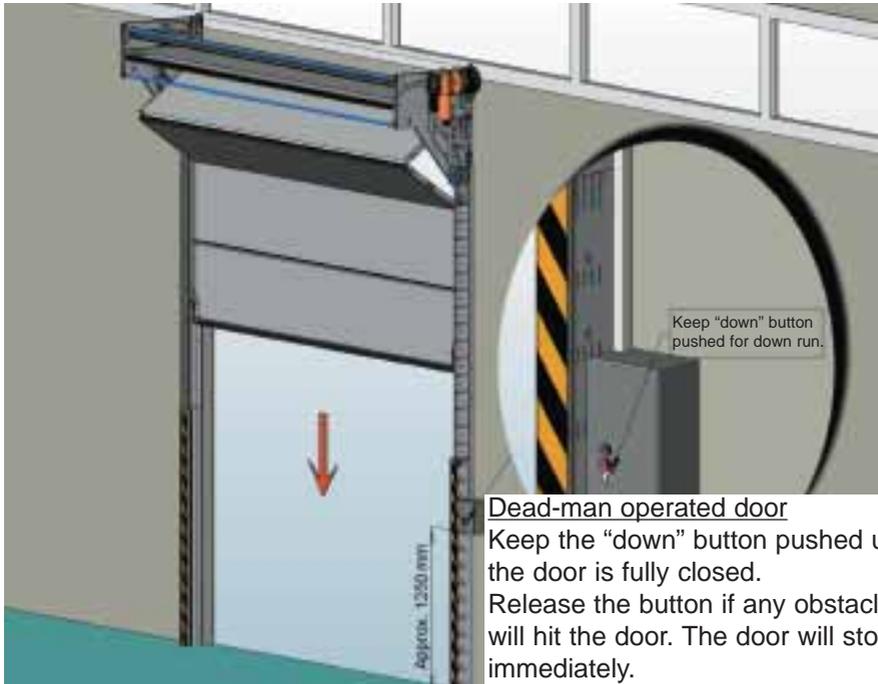
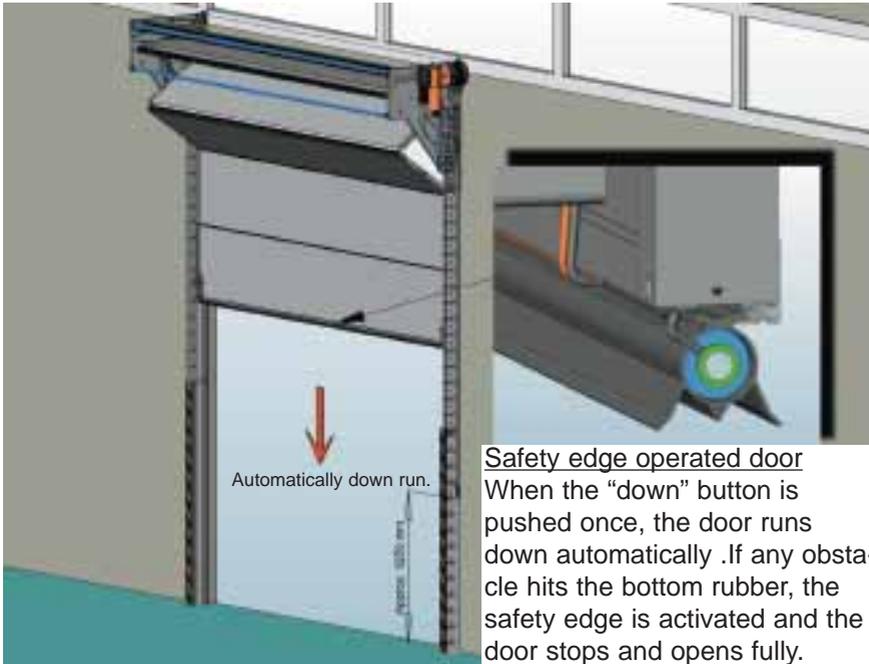


Night and day automatically locking system (Anti lift).



Rails and finger protection

# OPERATION OF THE COMPACT DOOR

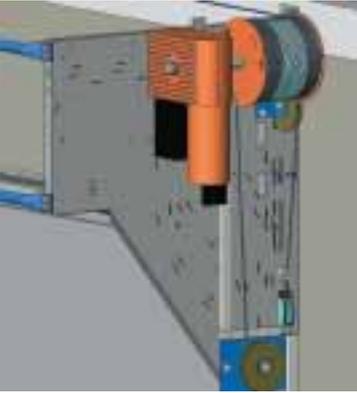


### Motor options

RC 150 230V speed 15cm/sec. Max. weight 155Kg.  
RC 175 400V speed 20cm/sec. Max. weight 190Kg.  
RC 250 400V speed 19cm/sec. Max. weight 275Kg.  
RC 300 400V speed 19cm/sec. Max. weight 389Kg.  
RC 300T 400V speed 15cm/sec. Max. weight 455Kg.  
RC 250R 400V speed 31cm/sec. Max. weight 240Kg.

### Door panel weights p/m<sup>1</sup> (Panelheight 610mm)

Insulated panel ± 4.5 Kg. per m<sup>1</sup>  
Full-vision panel ± 7.2 Kg. per m<sup>1</sup>



### Technical information motor

Switch duration 60%.

Standard current free limit.

Standard emergency crank handle operation.

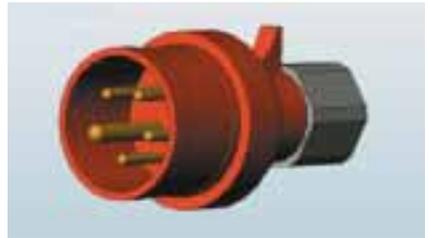
Motor current ± 4 amp.

400 V motor with 5 pin plug, 16 amp.

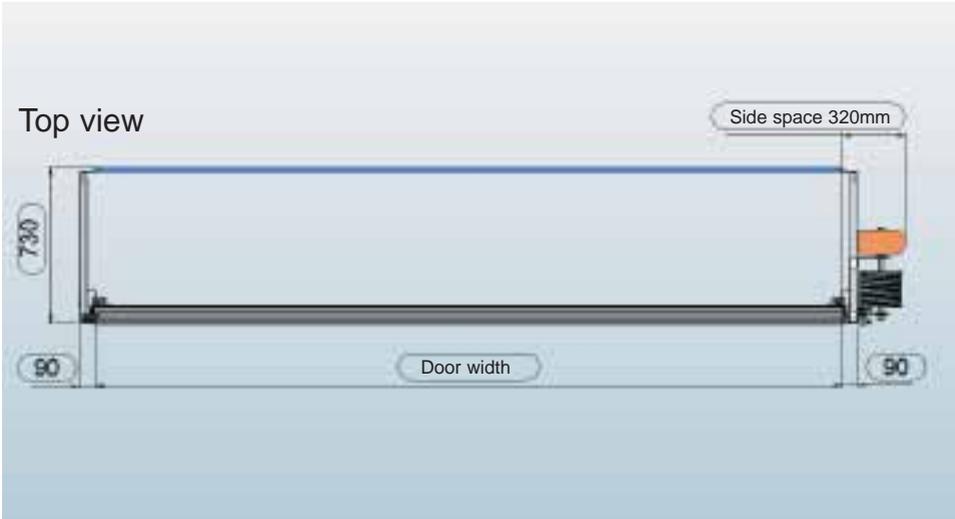
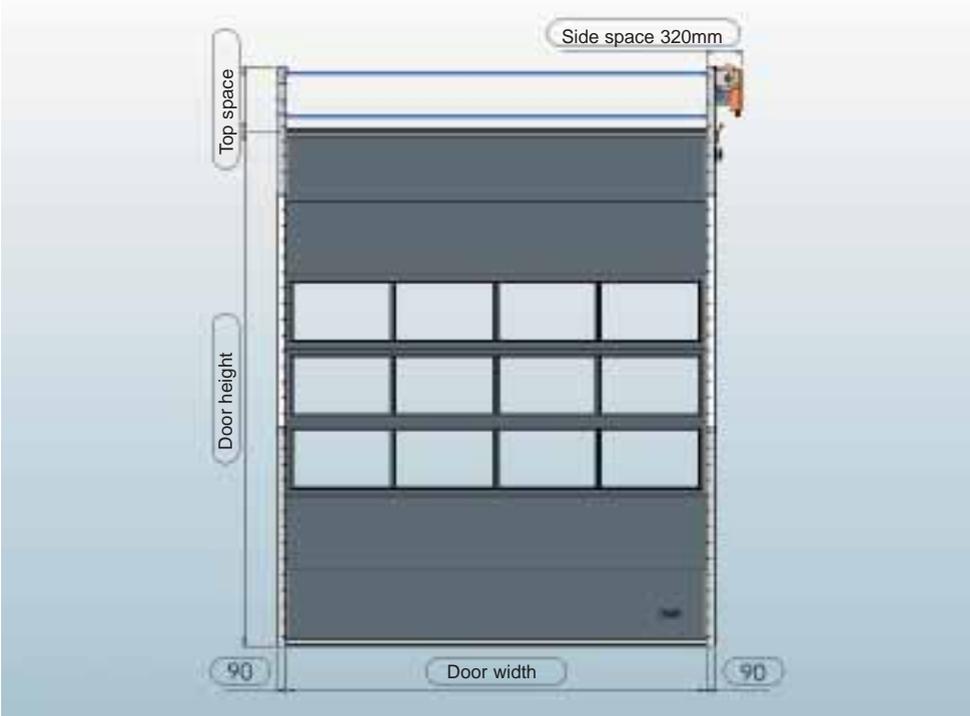
(Remark: Neutral not necessary).

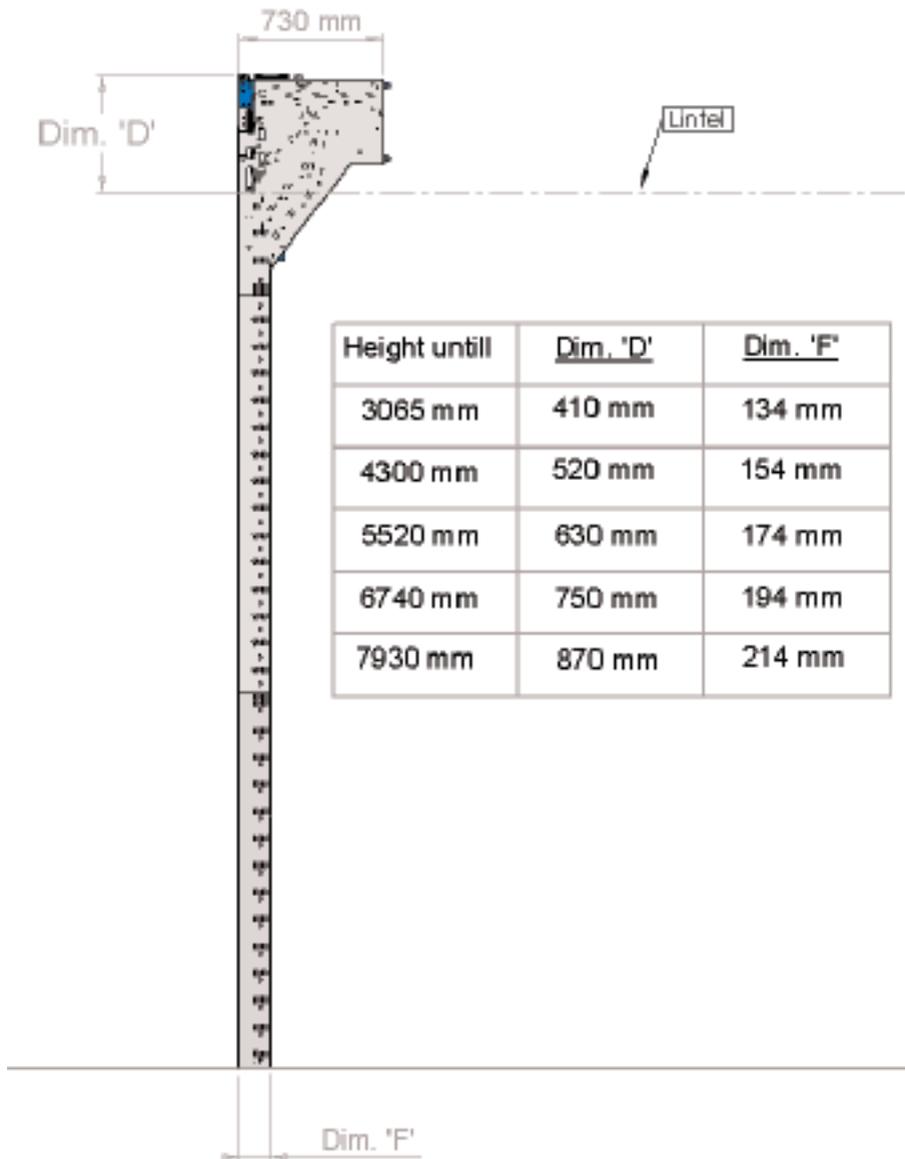
Turning direction protection (Right turning).

**Option:** Motor with 100% switch duration for frequently use.



# DIMENSIONS AND DETAILS

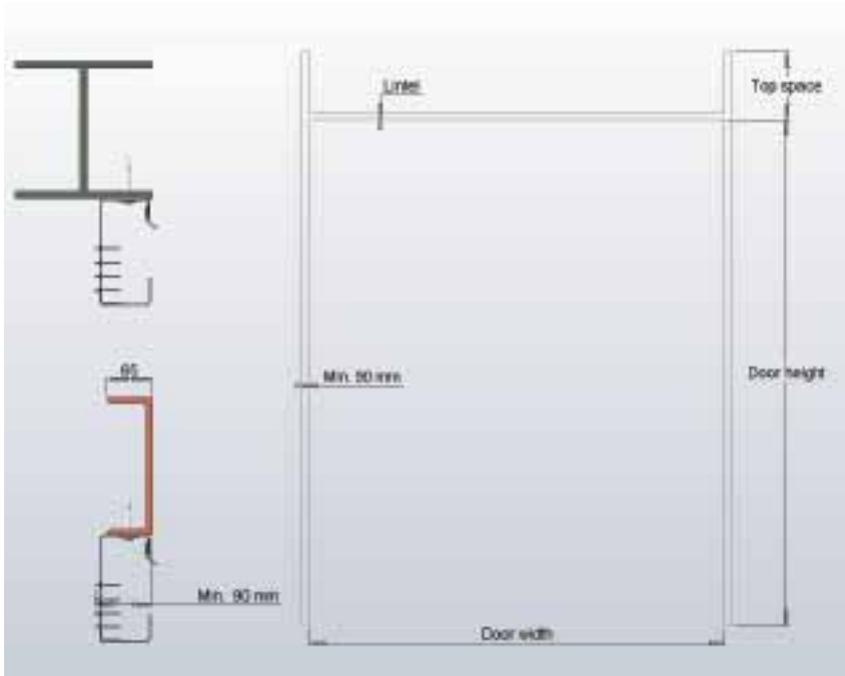




### Site construction requirements

Finished construction to install tracks and folding plates.

Power supply has to be available before commencing installation.



## **Installation frame**

This should be flat and square. Installation could be on example profiles or concrete or brickwall.

## **Installation explanation**

As described in the installation manual.

## **Installation tools**

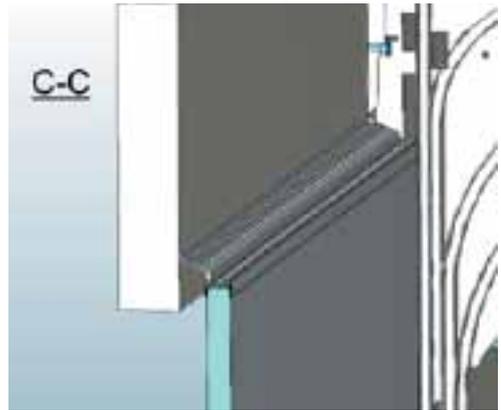
Doorblade supporters GG.500

Folding plate installer GG.600

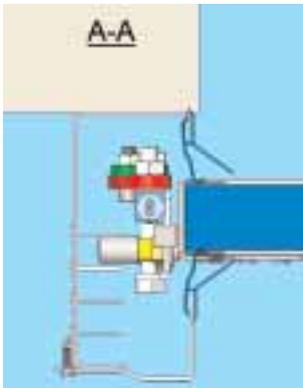


## **Threshold**

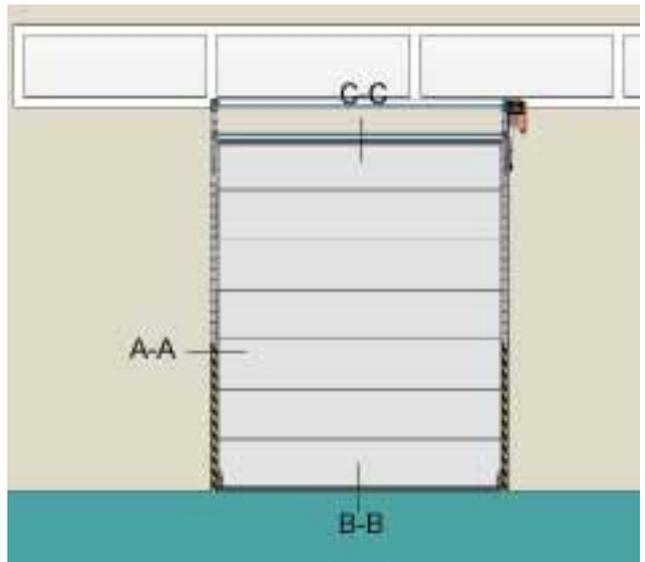
When the weather is on the door we advise a treshold.



Top sealing



Side sealing

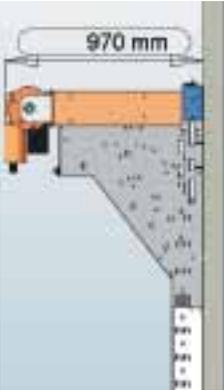
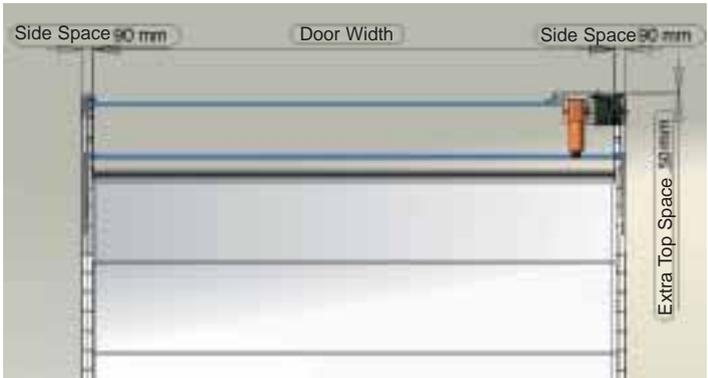


Bottom sealing



Top motor hardware set

Necessary when less than 320mm side space is available.

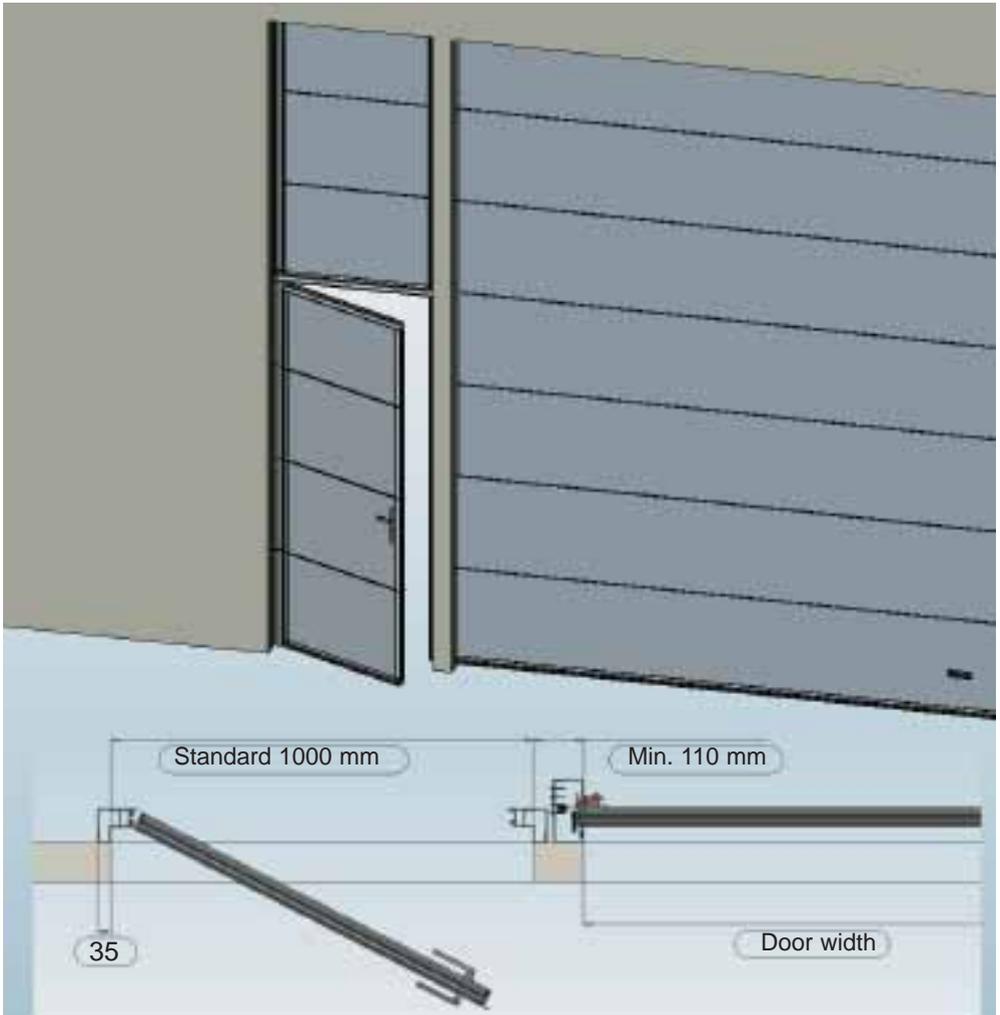


Front motor hardware set

Necessary when less than 320mm side space and not enough top space is available.

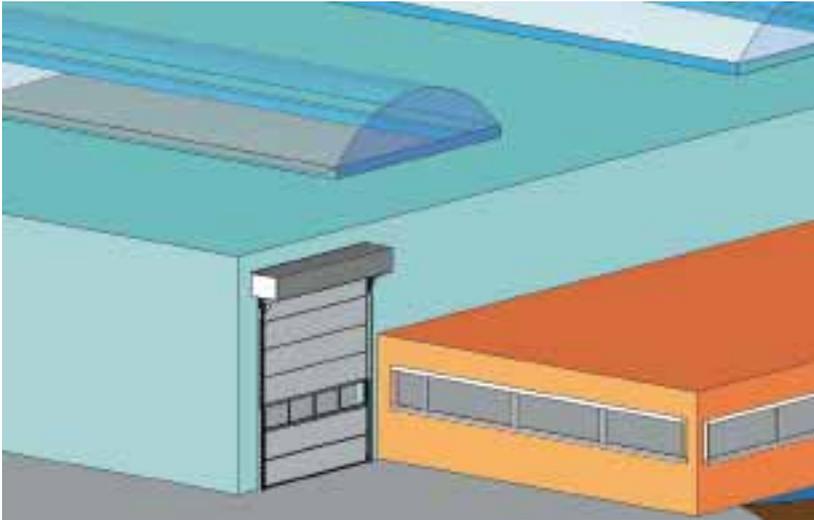
Limitation:

- Max doorweight 240 KG (To calculate weight see page 17).
- Max doorheight 5520 mm.



### Pass door sideways

A pass door with steel galvanised frame next to the Compact door with a frame and cylinder lock inclusive 3 keys.  
 Pass door is equally to the Compact door, made from the same door panel's inclusive fascia panel to meet the door height.  
 The profile (Min. 110mm) is part of the building-construction!



### Outside mounting

A Compact Door is easy to install on the outside of a building. It's important to protect the door against weather influence.

Advice: Protection shield (page 24) and Powder coating options (page 26).

Before ordering a door it's important to indicate this option because of production reasons (colour-side, full-vision and wicket-door etc.).



### Protection shield top shelter

Maximum door width 5000 mm. This is a protection shield for the door blade and motor in an outside situation (Extra top space of 60mm necessary).

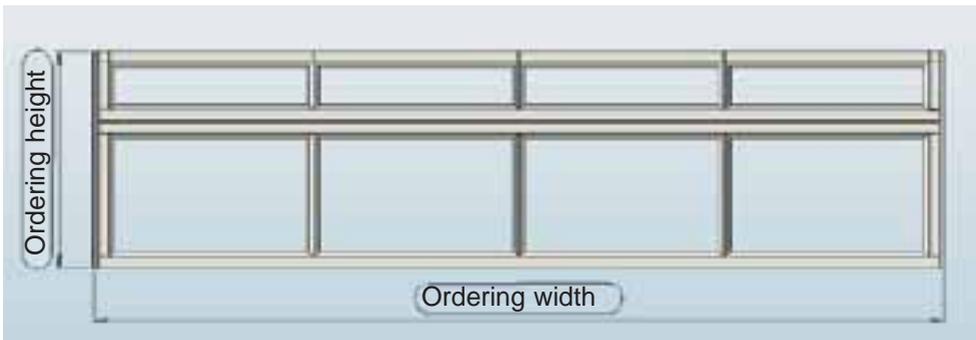
Standard finish: Powdercoated in RAL colour of choice.

Limitation: - Not in combination with top- or frontmotor.



### Insulated fascia panel

Insulated fascia panel: A fascia panel is made of insulated door panels equally to the Compact door. Available in one of 8 standard colours or in a colour at choice. Anodised aluminium installation profiles.



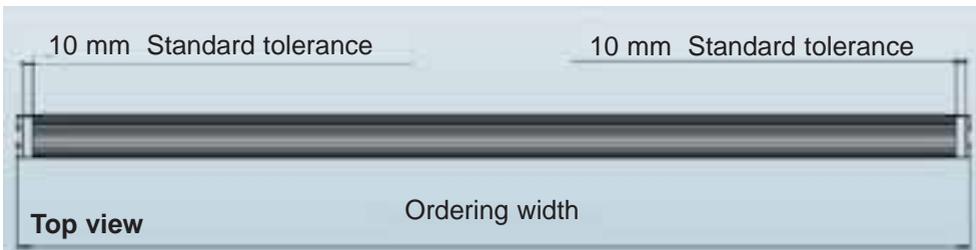
### Full vision fascia panel:

A fascia panel made of full-vision panels equally to the Compact door.

Available in one of 8 standard colours or in a colour at choice.

Anodised aluminium installation profiles.

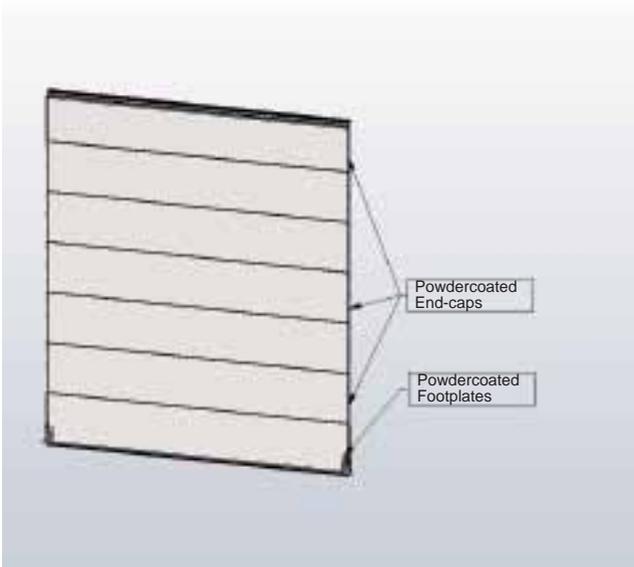
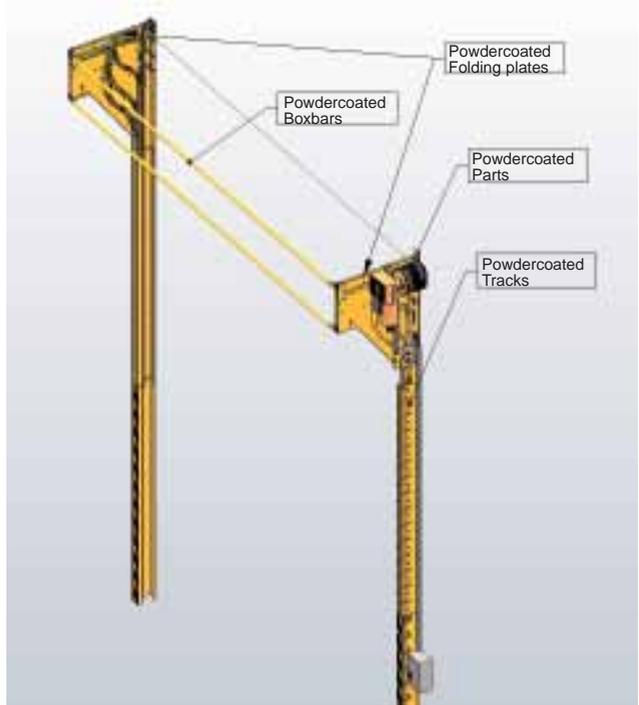
Fillings at choice, double or single SAN or lexan, single safety glass, closed fillings or no fillings.



## Powder coating tracks

The materials used are standard galvanised. As an option these parts can be powdercoated for extra protection in a wet or aggressive environment (carwash, byre, outside installation, etc.) or just for visual aspects.

**Colour at choice.**



## Powder coating Parts

Hardware powder coated in standard RAL9006 (all parts connected to the doorblade like endcaps, guiders and footplates).



Control box CS 300



LED Module

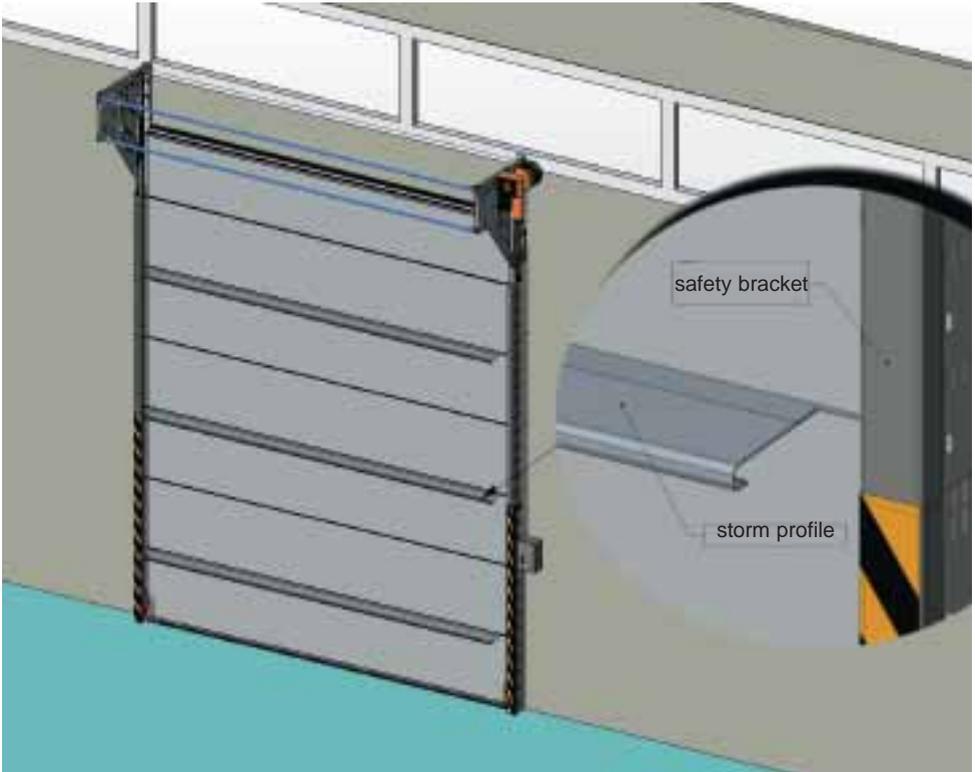


LCD Monitor

CS 300 Control  
with digital end position system

**LED Module:** for setting the Open and Closed door positions (further adjustment settings are not possible).

**LCD Monitor:** for setting the Open and Closed door positions inclusive further adjustments (i.a. trime closure, traffic light, etc).

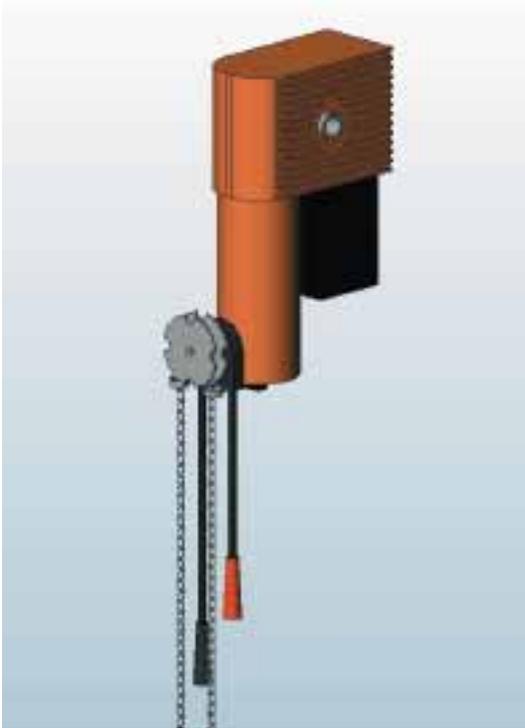


## Storm profiles

These aluminium anodised profiles are connected to the panels and will give stiffness to the complete doorblade. Because of these profiles the doorblade can resist high winds.

On doors from 6000 mm and wider these profiles will be delivered as a standard issue.

For smaller doors it is optional, for example in the coastal region or other windy areas.



### Emergency chain opener

With this emergency chain it is possible to open the door from the floor if the powersupply fails.

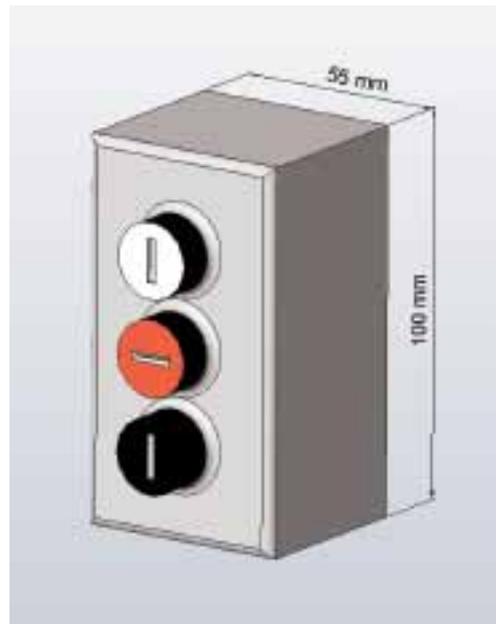
#### Limit:

Not in combination with a topmotor and not with a 100% switch duration motor.

*The motors are standard provided with an emergency crankhandle.*

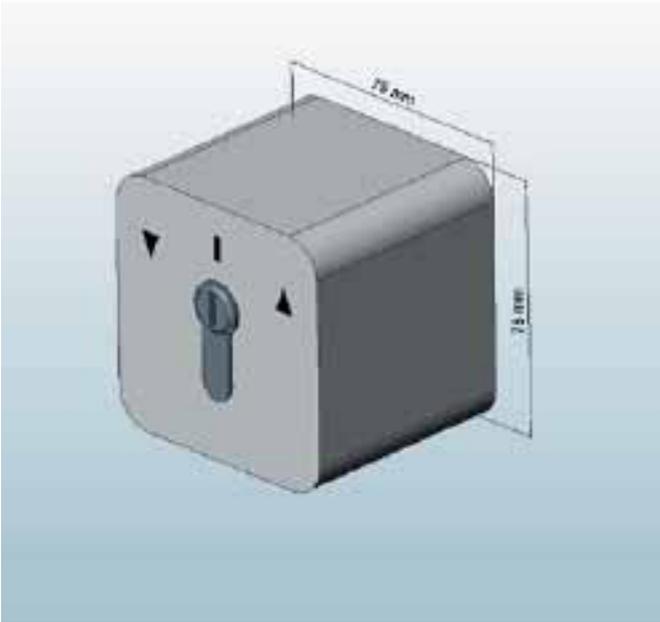
### Extra controlbox

Push-button station  
“up-stop-down”



Key switch

Inclusive 3 keys.



Key switch

Inclusive 3 keys with  
3 pushbuttons  
“up-stop-down”.





Handheld Remotecontrolset

Receiver inclusive one hand transmitter.

4 channels, 433MHz

Reach: approx 20 meters.



Extra hand transmitter



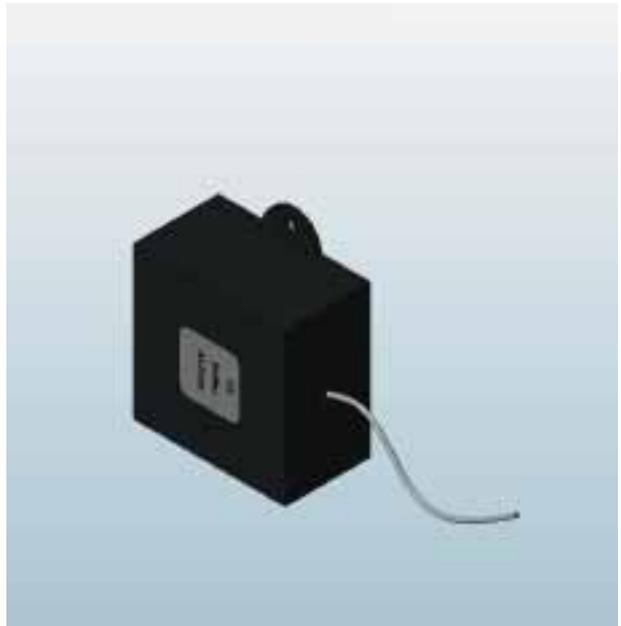
## Remote control transmitter

For use on lift truck  
99 channels, 433MHz.  
Max. 99 doors.  
Reach: approx. 20 meter.

## Remote control receiver

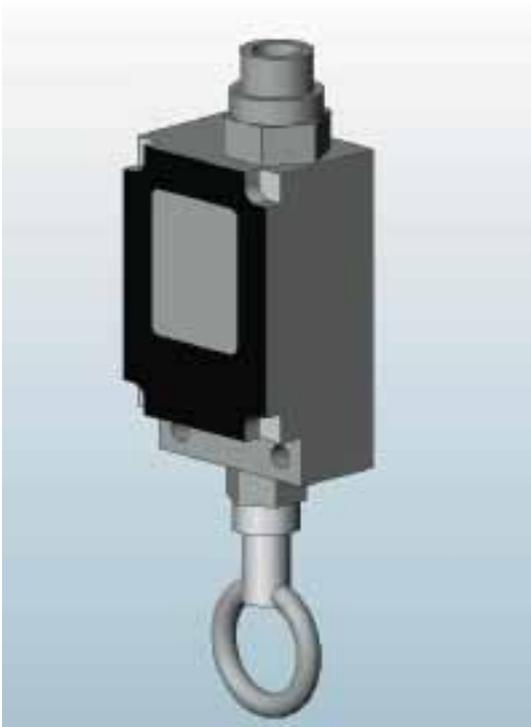
This receiver can be used for the standard 4 channel transmitter (page 31) or for the remote control transmitter (upper page). On every door with the remote control the receiver has to be installed.

Note: receiver is identical as handheld remotecontrolset (page 31).



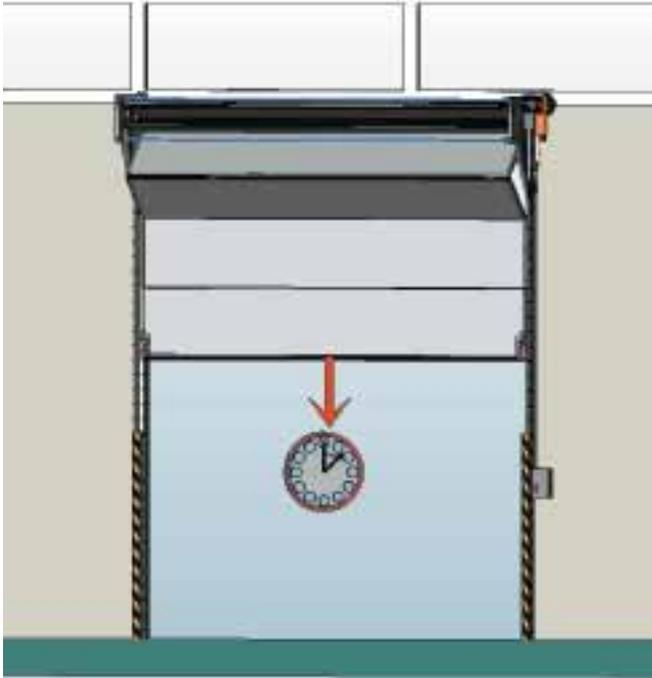
## Radar

Infra-red  
adjustable  
signalising  
Reach  $\pm 5$  mtr.



## Pull switch

Used as an impulse signal to  
operate the door.



## Automatic time closure

After the door is opened it will close automatically after an adjusted time.

### Seconds:

3, 10, 20, 30, 40, or 50

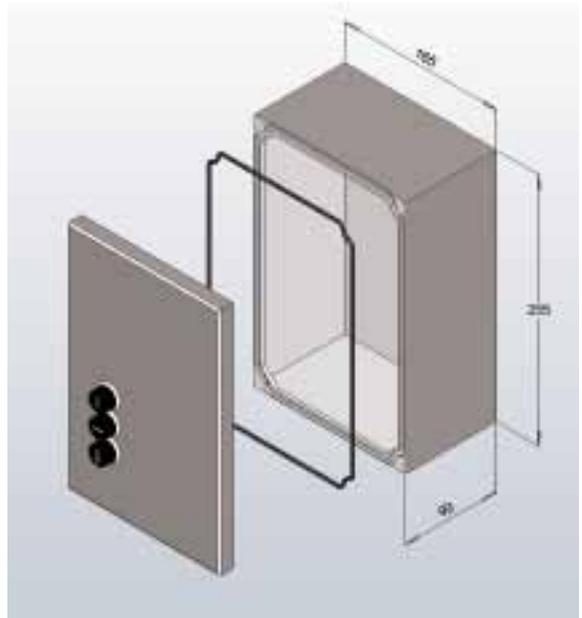
### Minutes:

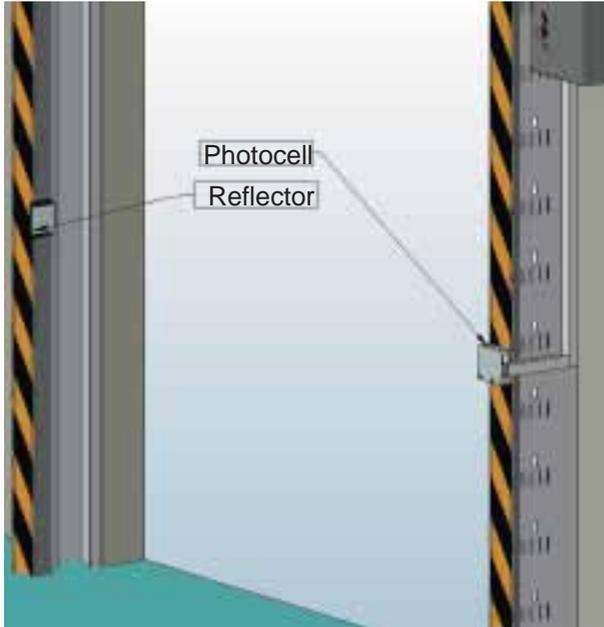
1,2,3,4 or 5

## Rubber sealing

To upgrade the control box to IP-65.

This rubber sealing is a waterproof closure for the cover and the control box.





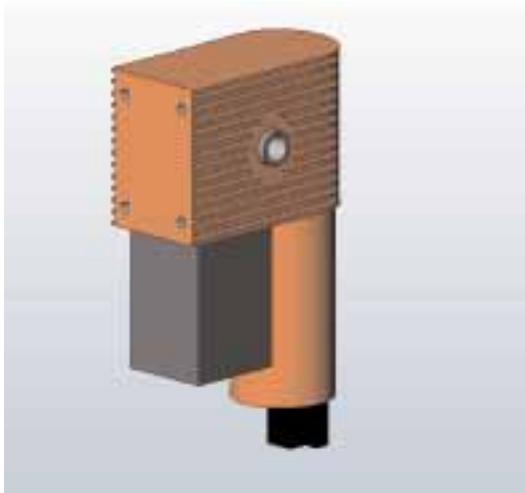
Photocell-reflector till 6m

Photocell-reflector from 6m

Used as an extra safety issue to detect an obstacle inside the door opening or used as an extra impulse signal.

Warning flash lamp

The lamp starts to flash as a warning, just before the door is moving in combination with an automatic time-closure or when the door is running.



3 X 230V

Engine equipped for 3 x 230V.



## Freedom of building design with the unique features of the Compact door.

Providing the solution to design challenges would be unthinkable until the Compact Door arrived on the market. Whatever the building style, design, or construction, the Compact Door provides un-impeded space for the most imaginative architectural flair with regard to wall material design. Clear light access, for example,

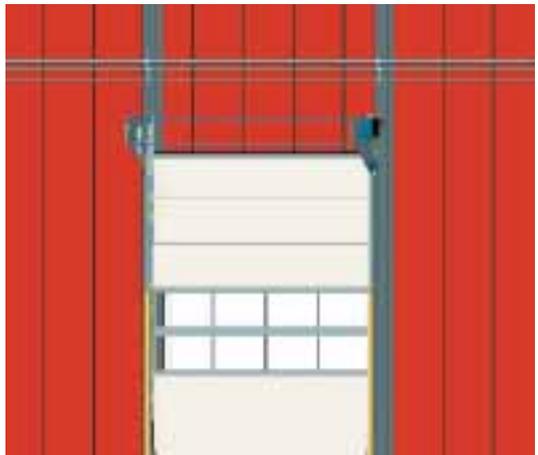
## An overhead door has its limitations!

The conventional operation of a panel door, whether vertically or at 90 degrees into the building will obstruct any light from windows situated immediately above the door aperture. The designer is therefore limited in design choices!

A thing of the past, with the Compact Door.

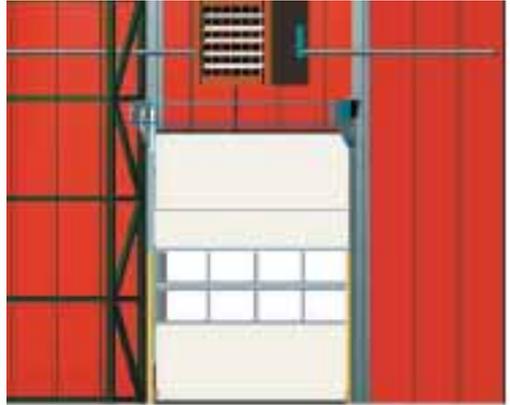
## Because the Compact Door can fit into any building!

The versatility of the Compact Door, is the unique installation method. Therefore, whether new or existing buildings, the Compact Door has the answers, providing a cost effective solution without the need for **expensive additional** steelwork. (Spring beams etc.)



### Because valuable space is saved.

The unique folding mechanism stacks the insulated panels directly above the door opening, making awkward design problems with regard to providing space for other equipment like, [light fittings](#), airco-con, roof glazing, and overhead [cranes](#) a simple task.



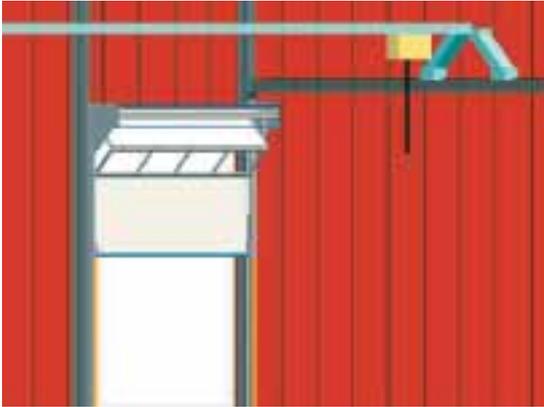
### Because in auto-motive applications, full building height is available for lifting equipment.

maximise usage of costly available space. Car ramps, engine hoists etc, are not restricted by vehicle height. Don't waste your resources install the Compact Door.



### An overhead door takes your "cost able" space away!

While the door blade positions under the roof, it does occupy valuable space. For example a Camper, a car with imperial or a van.



**Because complex constructions for cranes are not required!**

Installing a crane? Then the Compact Door is the product for your building, allowing crane access to within a metre of the doorway, regardless of the size of the door installed.



**Because a Compact Door can be easily installed under the crane.**

Why **waste money**, with the Compact Door, there is no requirement to install additional steelwork, strengthen support columns or roof steel to stop a crane short.

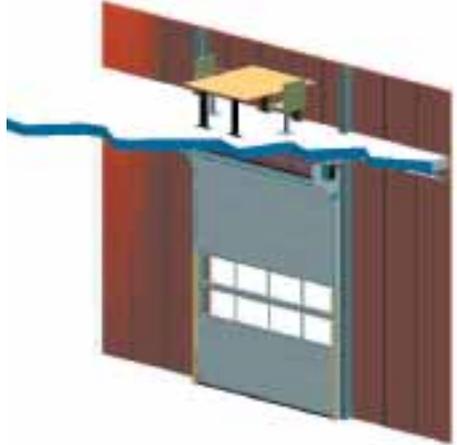
**Because 2 doors fit in a corner.**

Maximise the usage of space in any building. The innovative design features of a Compact Door would even allow two doors to be installed in close proximity, in the corner of a building. Can conventional overhead sectional doors achieve that?



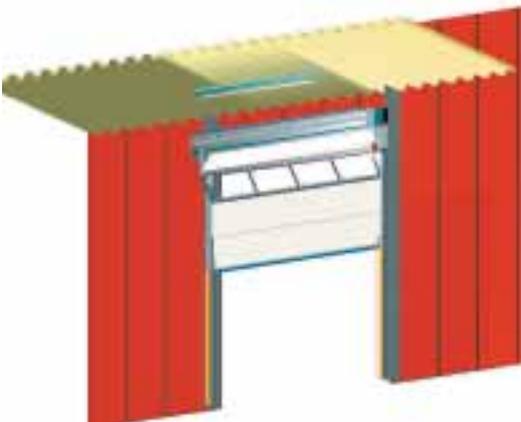
### **Because the Compact Door produces minimum of noise.**

The Compact Door has no counter balancing springs or weights which would require adjustment and regular maintenance. The advanced design of the guiding system, minimizes the forces on the moving parts. This also means that the noise level of an operating Compact Door is low in comparison to that of a normal overhead door or roller shutter. This creates a quiet environs for those who work in the vicinity of the door.



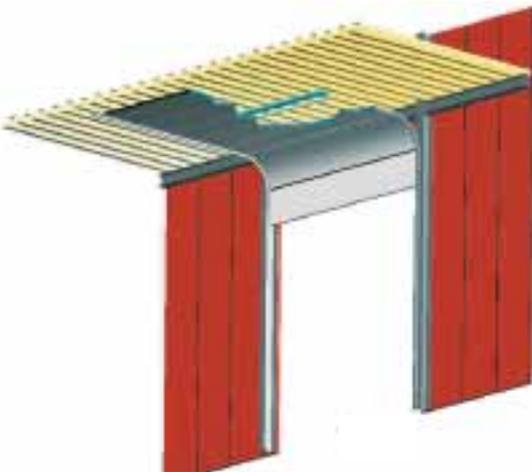
### **Because the light keeps on shining.**

Lighting installed adjacent to a Compact Door, provides illumination whether the door is opened or closed, unlike a conventional overhead sectional door.



### **An opened overhead obstructs the access of light.**

See image.



**SO SEE THE LIGHT, AND MAKE THE COMPACT SECTIONAL STACKING DOOR SYSTEM YOUR FIRST CHOICE.**



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Compact industrial door*

