

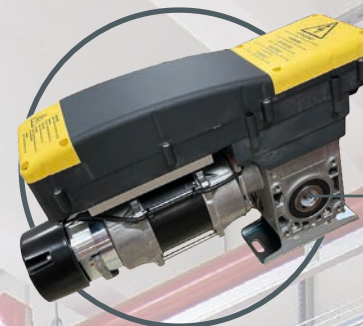
Rapid doors, Sectional overhead doors, Loading points and Coibent curtains





FULL RANGE OF ACCESSORIES

 PG. 32



ANTI DUST CONTROL BOX IP66

CUSTOMIZED SOLUTIONS

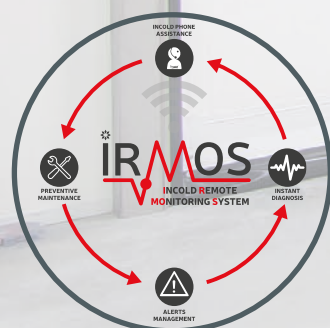


CERTIFICATIONS



ASSISTANCE & SUPPORT

service@incold.it



REMOTE CONTROL (option) 4.0 ready

 PG. 30



INTEGRATED KEYBOARD IP66



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THE ZIP RAPID ROLL-UP DOOR is the most versatile of the Active range. The mantle provide with PVC zips, sliding on self-lubricating polyethylene guides and connect the sheet for the entire height of the door ensuring water tightness and wind resistance (class 3). The ZIP doors are self-repairing up to a width of 4000 mm.

ADVANTAGES

- ✓ Self-repairing up to width = 4000 mm.
- ✓ Electronics card housed in the motor
- ✓ Display built into the vertical upright
- ✓ Easy to install with pre-wired electronics

APPLICATIONS

- ✓ Logistics
- ✓ Large scale distribution
- ✓ Refrigerated warehouses
- ✓ Laboratories
- ✓ Industry
- ✓ Food sector



Test	Result	Reference standards
Resistance to water penetration	Class 3	EN 12489
Wind resistance	Class 3	EN 12444

Other certifications: Infotec D-033

GENERAL TECHNICAL FEATURES

Max dimension	L 6000 x H 5000 mm
Frame	Galvanised steel base, 12/10 Pre-painted steel cover, 8/10, RAL 9010 (other colours on request) Anti-rust drain shoes <i>opt:</i> ZIP-AL: Aluminium * <i>opt:</i> ZIP-IX: 304 10/10 stainless steel base and 304 8/10 stainless steel cover *
Winding shaft	Aluminium Ø 114 mm
Maximum speed	<i>opening:</i> up to 1.2 m/s (adjustable) <i>closing:</i> 0.8 m/s
Fabric	PVC 900 g/m ² with a window row <i>opt:</i> Insulated 1300 g/m ² RAL: 5010 - 9010 - 7035 <i>opt:</i> Insulated 2600 g/m ² RAL: 5010 - 9010 - 7035
Sliding	Guides made of self-lubricating material PVC zips welded onto the sheet
Electronics	Motorgear: IP 54; P = 0.75 kW; complete with electromagnetic brake and absolute encoder Motor control: with inverter card on exclusive Incold IP 66 box, Performance Level D Control board: built into the door upright, exclusive Incold IP 66, with Mylar keyboard and message display Automation power supply: 230 V, 1 phase + Neutral + Earth <i>opt:</i> Remote control with irMos system
Opening	Emergency keypad and push button + mushroom push button Ø 90 mm
Wiring	Door supplied pre-wired
Emergency opening	Manual handle <i>opt:</i> Counterweight system <i>opt:</i> Continuity unit (UPS)
Operating temperature	Not suitable to separate chiller and freezer environments. Check the application conditions, R.H. % and thermal delta to prevent condensation of the sheet <i>opt to increase the insulation:</i> brush on the top box, thermal break under the frame (standard with insulated fabric)

* Models on the next page

SAFETY SYSTEMS

Doors with a width equal to or below 3 metres

Certified system with photo-electric cell to detect that the sheet is rolling properly

Photoelectric cell (RX+TX)



Primary safety

Secondary safety

Doors with a width above 3 metres

Wireless safety edge

Photoelectric cell (RX+TX)



Primary safety

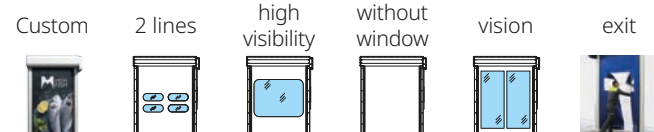
Secondary safety

Option



Optical barriers - only for dry environments in compliance with the EN 12445 standard (only for L ≥ 1200 mm)

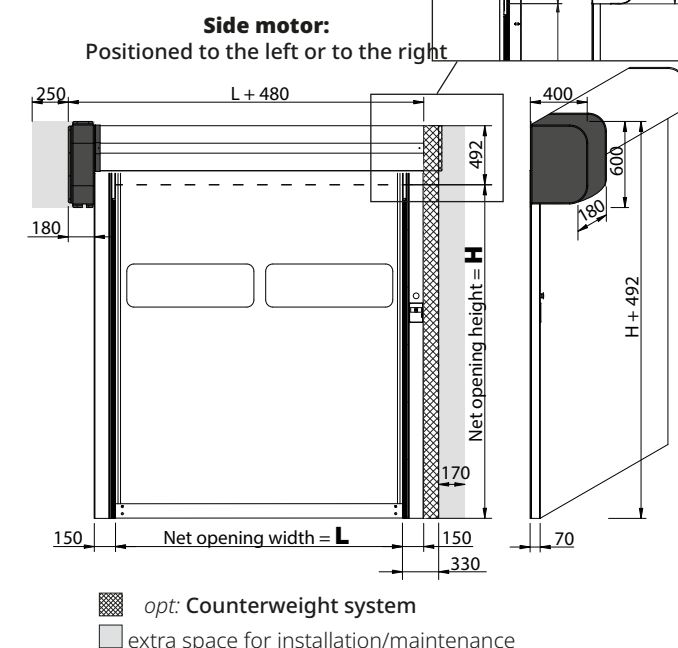
FABRIC OPTIONS



AVAILABLE COLOUR/RAL

1003	2004	5010	6026	9016
1021	3002	5012	1013	9005
7035	9006	7037	7038	

DIMENSIONS



OTHER MODELS

ZIP-AL

The ZIP-AL roll-up door is a variation of the ZIP, featuring an extruded aluminium frame and snap-on profiles without securing screws.



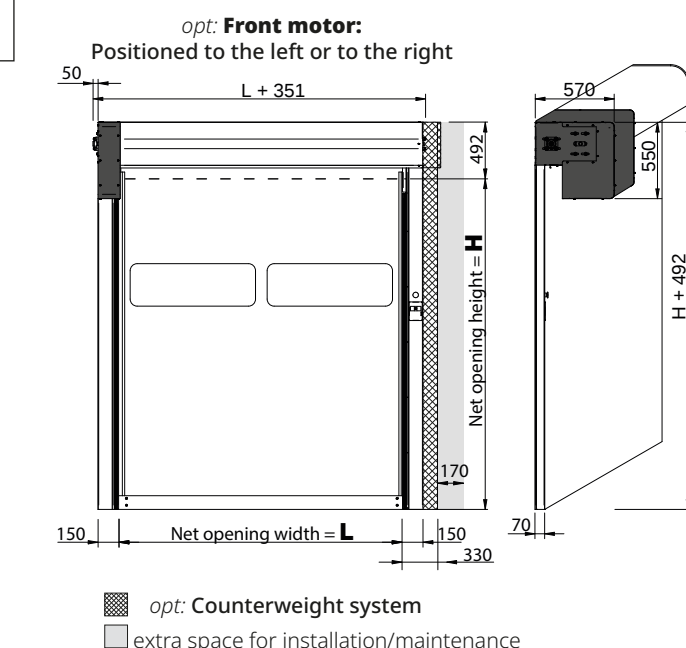
APPLICATIONS

- ✓ Logistics
- ✓ Large scale distribution
- ✓ Refrigerated warehouses
- ✓ Laboratories
- ✓ Industry
- ✓ Food sector

TECHNICAL FEATURES

Frame	Aluminium
Winding shaft	Aluminium Ø 114 mm
Motorgear	IP 54; P = 0.75 kW; complete with electromagnetic brake and absolute encoder

for H ≥ 3000 with 1300 - 2600 g/m² fabric



ZIP-IX

The ZIP IX rapid roll-up door is a variation of the ZIP, designed for the food sector and aggressive environments. Featuring a stainless steel frame and a stainless steel cover (uprights and box).



APPLICATIONS

- ✓ Food industry
- ✓ Aggressive environments
- ✓ Kitchens
- ✓ Laboratories
- ✓ Clean rooms

TECHNICAL FEATURES

Frame	304 10/10 stainless steel base 304 8/10 stainless steel cover
Winding shaft	Stainless steel, Ø 114 mm
Motorgear	IP 54; P = 0.75 kW; complete with electromagnetic brake and absolute encoder with cataphoresis coating and stainless steel hollow shaft



INDUSTRIA
4.0
ready

THE ZIP K RAPID ROLL-UP DOOR is high-speed ZIP door with a space saving design. The mantle has PVC zips that slide on self-lubricating polyethylene guides and connect the sheet for the entire height of the door ensuring water tightness and wind resistance (class 3). The "K" line features a motor housed inside the winding tube, which allows installation in corridors and any other limited space, and the opening speed is increased to 2.5 m/s.

ADVANTAGES

- ✓ Self-repairing
- ✓ Space saving design - no obstructions from the sides and front
- ✓ Motor hidden in the winding shaft
- ✓ Opening speed 2.5 m/s
- ✓ Openable casing with inspection door

APPLICATIONS

- ✓ Shop sales area
- ✓ Incold Panorama Box
- ✓ Supermarkets
- ✓ Food sector



Test	Result	Reference standards
Resistance to water penetration	Class 3	EN 12489
Wind resistance	Class 3	EN 12444

GENERAL TECHNICAL FEATURES

Minimum net opening width	900 mm (1200 mm if optical barriers are installed)
Max dimension	L 3000 x H 3000 mm
Frame	12/10 galvanised steel base Pre-painted cover, 8/10, RAL 9010 (other colours on request) Anti-rust drain shoes <i>opt:</i> ZIP K-AL: Aluminium * <i>opt:</i> ZIP K-IX: 304 10/10 stainless steel base and 304 8/10 stainless steel cover *
Winding shaft	Ø 250 mm
Maximum speed	<i>opening:</i> up to 2.5 m/s (adjustable) <i>closing:</i> 0.8 m/s
Fabric	PVC 900 g/m² with a window row <i>opt:</i> Insulated 1300 g/m² RAL: 5010 - 9010 - 7035
Sliding	Guides made of self-lubricating material PVC zips welded onto the sheet
Electronics	Motorgear: IP 54; P = 0.25 kW; complete with electromagnetic brake and absolute encoder Motor position: housed inside the winding tube Motor control: with inverter card on exclusive Incold IP 66 box, Performance Level D Control board: built into the door upright, exclusive Incold IP 66, with Mylar keyboard and message display Automation power supply: 230 V, 1 phase + Neutral + Earth <i>opt:</i> Remote control with irMos system
Opening	Emergency keypad and push button + mushroom push button Ø 90 mm
Wiring	Door supplied pre-wired
Emergency opening	Manual handle <i>opt:</i> Continuity unit (UPS)
Operating temperature	Not suitable to separate chiller and freezer environments. Check the application conditions, R.H. % and thermal delta to prevent condensation of the fabric <i>opt to increase the insulation:</i> brush on the top box, thermal break under the frame (standard with insulated fabric)

* Models on the next page

SAFETY SYSTEMS

Wireless safety edge

Photoelectric cell (RX+TX)



Primary safety

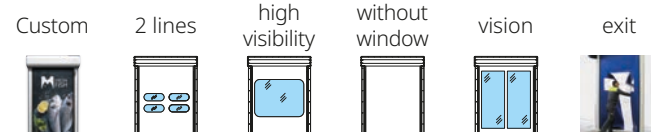
Secondary safety

Option



Optical barriers - only for dry environments in compliance with the EN 12445 standard (only for L ≥ 1200 mm)

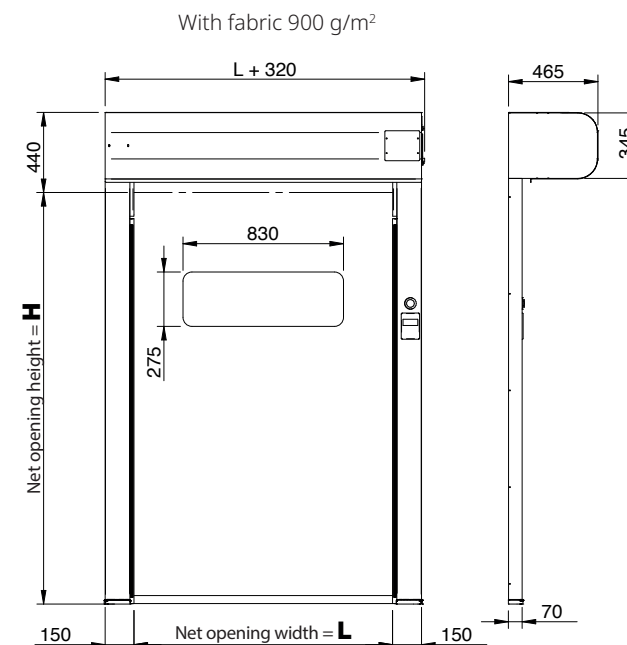
FABRIC OPTIONS



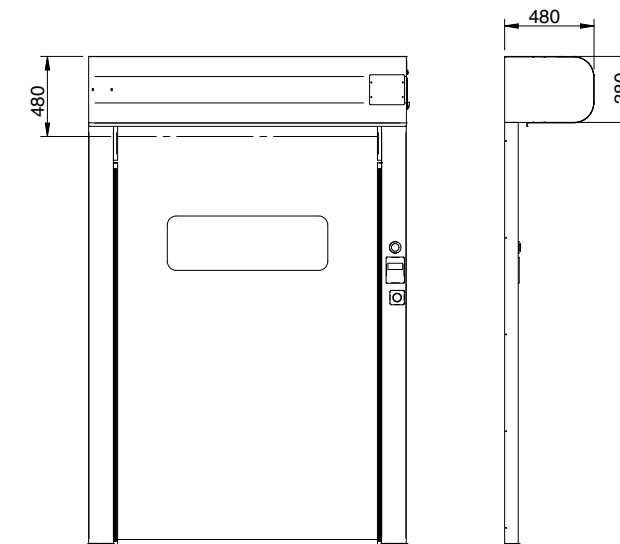
AVAILABLE COLOUR/RAL

1003	2004	5010	6026	9016
1021	3002	5012	1013	9005
7035	9006	7037	7038	

DIMENSIONS



With fabric 1300 g/m²



OTHER MODELS

ZIP K-AL

The ZIP K-AL roll-up door is a variation of the ZIP K, featuring an extruded aluminium frame and snap-on profiles without securing screws.



APPLICATIONS

- ✓ Logistics
- ✓ Large scale distribution
- ✓ Refrigerated warehouses
- ✓ Laboratories
- ✓ Industry
- ✓ Food sector

TECHNICAL FEATURES

Frame	Aluminium
Motorgear	IP 54; P = 0.25 kW; complete with electromagnetic brake and absolute encoder

ZIP K-IX

The ZIP K-IX rapid roll-up door is a variation of the ZIP K, designed for the food sector, and specifically for aggressive environments. Featuring a stainless steel frame and a stainless steel cover (uprights and box).



APPLICATIONS

- ✓ Food industry
- ✓ Aggressive environments
- ✓ Kitchens
- ✓ Laboratories
- ✓ Clean rooms

TECHNICAL FEATURES

Frame	304 10/10 stainless steel base 304 8/10 stainless steel cover
Motorgear	IP 54; P = 0.25 kW; complete with electromagnetic brake and absolute encoder with cataphoresis coating and stainless steel hollow shaft



THE GLIDE RAPID ROLL-UP DOOR is suitable for applications in supermarkets and sales points; is silent and requires little maintenance. Consist of an enclosed mantle and lower aluminium alloy bar that slides freely in the guides. The lower bar goes back into the guides in the case of accidental impact.

ADVANTAGES

- ✓ Self-repairing
- ✓ Quietness
- ✓ Low maintenance
- ✓ Display built into the vertical upright
- ✓ Easy to install with pre-wired electronics

APPLICATIONS

- ✓ Indoors
- ✓ Shop sales area
- ✓ Supermarkets
- ✓ Food sector

Test	Result	Reference standards
Protection against impact hazards	Compliant	EN 13241 EN 12453
Sound power	68.9dB	EN ISO 3746 EN ISO 11203

Other certifications: Infotec D-034

GENERAL TECHNICAL FEATURES

Max dimension	L 4000 x H 4000 mm
Frame	12/10 galvanised steel base Pre-painted 12/10 cover, RAL 9010 Anti-rust drain shoes <i>opt:</i> Skid to increase wind resistance <i>opt:</i> GLIDE-AL: Aluminium * <i>opt:</i> GLIDE-IX: 304 12/10 stainless steel base and 304 12/10 stainless steel cover *
Winding shaft	Aluminium Ø 114 mm
Maximum speed	<i>opening:</i> up to 1.2 m/s (adjustable) <i>closing:</i> 0.8 m/s
Fabric	PVC 900 g/m ² with a window row <i>opt:</i> Insulated 1300 g/m ² RAL: 5010 - 9010 - 7035 <i>opt:</i> Insulated 2600 g/m ² RAL: 5010 - 9010 - 7035
Sliding	Sliding brushes on PVC guides
Electronics	Motorgear: IP 54; P = 0.75 kW; complete with electromagnetic brake and absolute encoder Motor control: with inverter card on exclusive Incold IP 66 box, Performance Level D Control board: built into the door upright, exclusive Incold IP 66, with Mylar keyboard and message display Automation power supply: 230 V, 1 phase + Neutral + Earth <i>opt:</i> Remote control with irMos system
Opening	Emergency keypad and push button + mushroom push button Ø 90 mm
Wiring	Door supplied pre-wired
Emergency opening	Manual handle <i>opt:</i> Counterweight system <i>opt:</i> Continuity unit (UPS)
Operating temperature	Not suitable to separate chiller and freezer environments. Check the application conditions, R.H. % and thermal delta to prevent condensation of the fabric <i>opt to increase the insulation:</i> brush on the top box, thermal break under the frame (standard with insulated fabric)

* Models on the next page

SAFETY SYSTEMS



Optical barriers - only for dry environments in compliance with the EN 12445 standard (only for L ≥ 1200 mm)



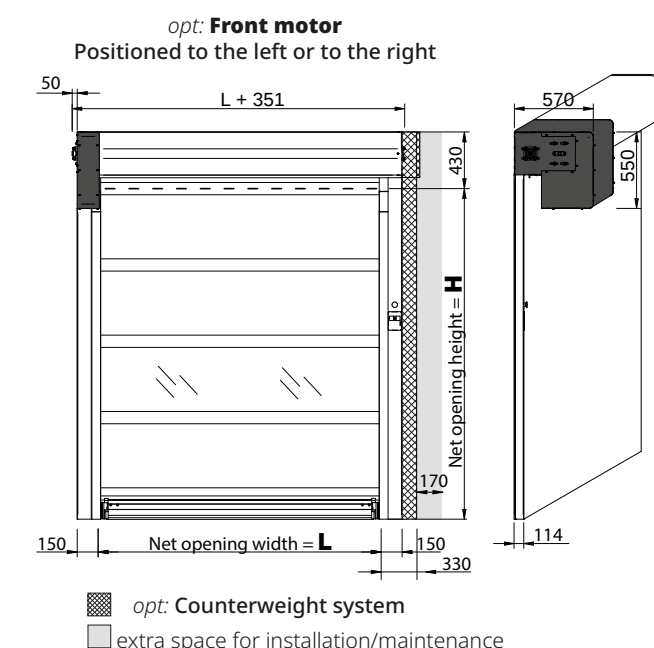
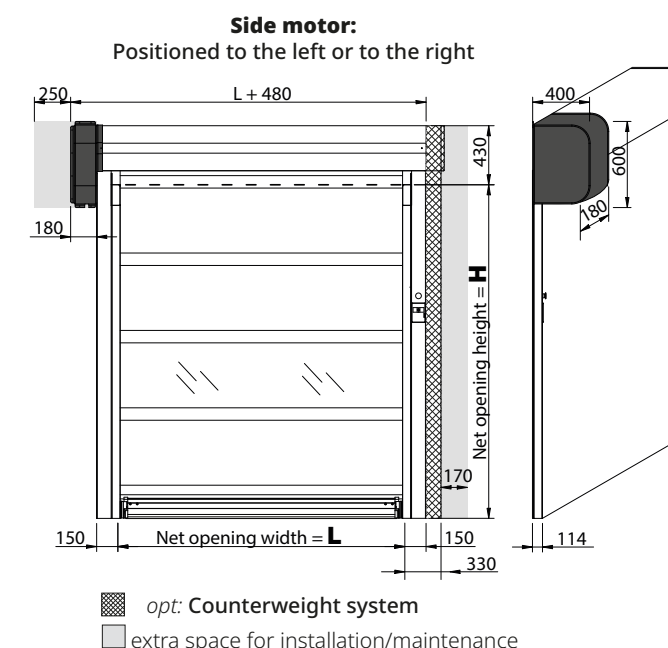
FABRIC OPTIONS



AVAILABLE COLOUR/RAL

1003	2004	5010	6026	9016
1021	3002	5012	1013	9005
7035	9006	7037	7038	

DIMENSIONS



OTHER MODELS

GLIDE-AL

The GLIDE-AL rapid roll-up door is a variation of the GLIDE featuring an extruded structure in aluminium monobloc.



APPLICATIONS

- ✓ Indoors
- ✓ Shop sales area
- ✓ Supermarkets
- ✓ Food sector

TECHNICAL FEATURES

Frame	Aluminium
Winding shaft	Aluminium Ø 114 mm
Motorgear	IP 54; P = 0.75 kW; complete with electromagnetic brake and absolute encoder

GLIDE-IX

The GLIDE-IX rapid roll-up door is a variation of the GLIDE, designed for the food sector, and specifically for aggressive environments. Frame and cover are in 304 stainless steel.



APPLICATIONS

- ✓ Food industry
- ✓ Aggressive environments
- ✓ Laboratories
- ✓ Clean rooms
- ✓ Kitchens

TECHNICAL FEATURES

Frame	304 12/10 stainless steel base 304 12/10 stainless steel cover
Winding shaft	Stainless steel, Ø 114 mm
Motorgear	IP 54; P = 0.75 kW; complete with electromagnetic brake and absolute encoder with cataphoresis coating and stainless steel hollow shaft



THE GLIDE K RAPID ROLL-UP DOOR is suitable for applications in supermarkets and sales points; is silent and requires little maintenance. Consist of an enclosed mantle and lower aluminium alloy bar that slides freely in the guides. The lower bar goes back into the guides in the case of accidental impact. The **"K"** line features a motor housed inside the winding tube, which allows installation in corridors and any other limited space, and the opening speed is increased to 2.5 m/s.

ADVANTAGES

- ✓ Self-repairing
- ✓ Space saving design - no obstructions from the sides and front
- ✓ Motor hidden in the winding shaft
- ✓ Speed 2.5 m/s
- ✓ Maximum quietness
- ✓ Casing that can be opened, with inspection door

APPLICATIONS

- ✓ Indoors
- ✓ Shop sales area
- ✓ Incold Panorama Box
- ✓ Supermarkets
- ✓ Food sector



GENERAL TECHNICAL FEATURES

Minimum net free opening width	1000 mm <i>opt:</i> GLIDE K-AL: 1200 mm *
Max dimension	L 3000 x H 3000 mm
Frame	Galvanised steel base, 12/10 Pre-painted cover, 12/10, RAL 9010 Anti-rust drain shoes <i>opt:</i> Skid to increase wind resistance <i>opt:</i> GLIDE K-AL: Aluminium * <i>opt:</i> GLIDE K-IX: 304 12/10 stainless steel base and 304 12/10 stainless steel cover *
Winding shaft	Ø 250 mm
Maximum speed	<i>opening:</i> up to 2.5 m/s (adjustable) <i>closing:</i> 0.8 m/s
Fabric	PVC 900 g/m² with a window row <i>opt:</i> Insulated 1300 g/m² RAL: 5010 - 9010 - 7035
Sliding	Sliding brushes on PVC guides
Electronics	Motorgear: IP 54; P = 0.25 kW; complete with electromagnetic brake and absolute encoder Motor position: housed inside the winding tube Motor control: with inverter card on exclusive Incold IP 66 box, Performance Level D Control board: built into the door upright, exclusive Incold IP 66, with Mylar keyboard and message display Automation power supply: 230 V, 1 phase + Neutral + Earth <i>opt:</i> Remote control with IRVOS system
Opening	Emergency keypad and push button + mushroom push button Ø 90 mm
Wiring	Door supplied pre-wired
Emergency opening	Manual handle <i>opt:</i> Continuity unit (UPS)
Operating temperature	Not suitable to separate chiller and freezer environments. Check the application conditions, R.H. % and thermal delta to prevent condensation of the fabric <i>opt to increase the insulation:</i> brush on the top box, thermal break under the frame (standard with insulated fabric)

* Models on the next page

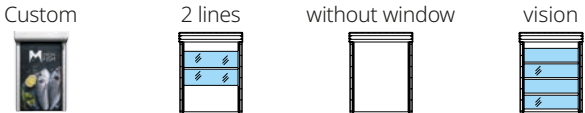
SAFETY SYSTEMS



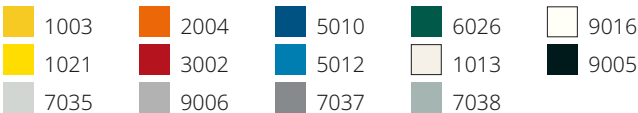
Optical barriers - only for dry environments in compliance with the EN 12445 standard (only for L ≥ 1200 mm)



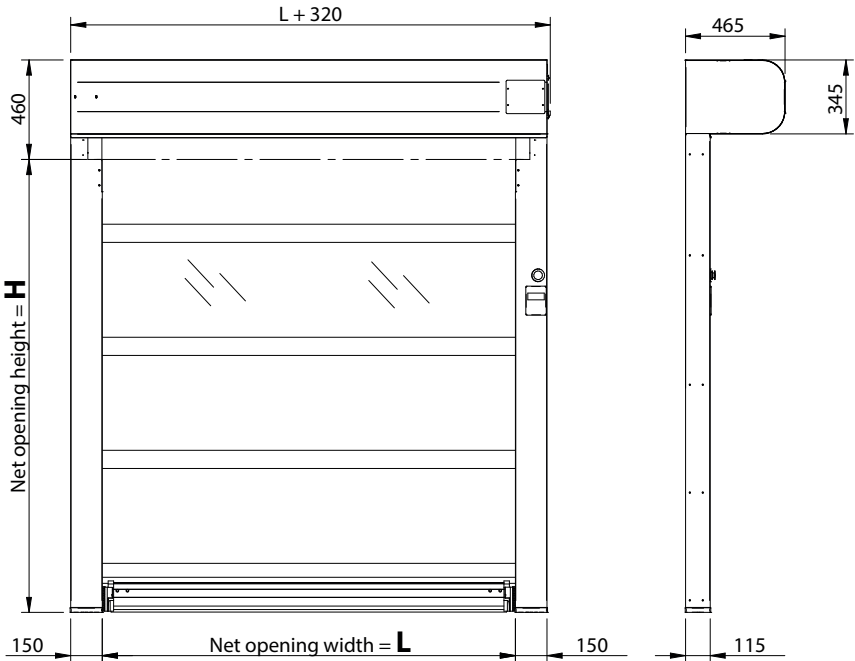
FABRIC OPTIONS



AVAILABLE COLOUR/RAL



DIMENSIONS



OTHER MODELS

GLIDE K-AL

The GLIDE K-AL rapid roll-up door is a variation of the GLIDE K featuring an extruded structure in aluminium monobloc.



APPLICATIONS

- ✓ Logistics
- ✓ Large scale distribution
- ✓ Refrigerated warehouses
- ✓ Laboratories
- ✓ Industry
- ✓ Food sector

TECHNICAL FEATURES

Frame	Aluminium
Motorgear	IP 54; P = 0.25 kW; complete with electromagnetic brake and absolute encoder

GLIDE K-IX

The GLIDE K-IX rapid roll-up door is a variation of the GLIDE K, designed for the food sector, and specifically for aggressive environments. Frame and cover are in 304 stainless steel.



APPLICATIONS

- ✓ Food industry
- ✓ Aggressive environments
- ✓ Kitchens
- ✓ Laboratories
- ✓ Clean rooms

TECHNICAL FEATURES

Frame	304 12/10 stainless steel base 304 12/10 stainless steel cover
Motorgear	IP 54; P = 0.25 kW; complete with electromagnetic brake and absolute encoder with cataphoresis coating and stainless steel hollow shaft



THE PURA K-IX RAPID ROLL-UP DOOR is characterised by the sheet sliding on grates. Designed to offer the maximum sealing for internal applications in areas where particular environmental and hygiene conditions must be maintained, such as laboratories, pharmaceutical industry buildings or food handling areas. The "K" line features a motor housed inside the winding tube, which allows installation in corridors and any other limited space, and the opening speed is increased to 2.5 m/s.

The 304 stainless steel structure ensures robustness and strength, even under high pressure washing. The PURA K-IX is designed to offer maximum seal, with pressure differences of up to 40 Pascal.

Hermetic seal ensured by:

- seal on the upper box to seal the sheet against the thrust of air pressure;
- seal on the lower part of the sheet for ground contact;
- grate system on the uprights, to prevent from the air going through, in the event of pressure/depression on the sheet.



APPLICATIONS

- ✓ Indoors
- ✓ Laboratories
- ✓ Pharmaceutical industry
- ✓ Food processing

Test	Result	Reference standards
Air permeability *	Class 3 (50 Pa)	EN 12427
Water tightness *	Class 3	EN 12489

*net opening LxH = 2000x2500 mm

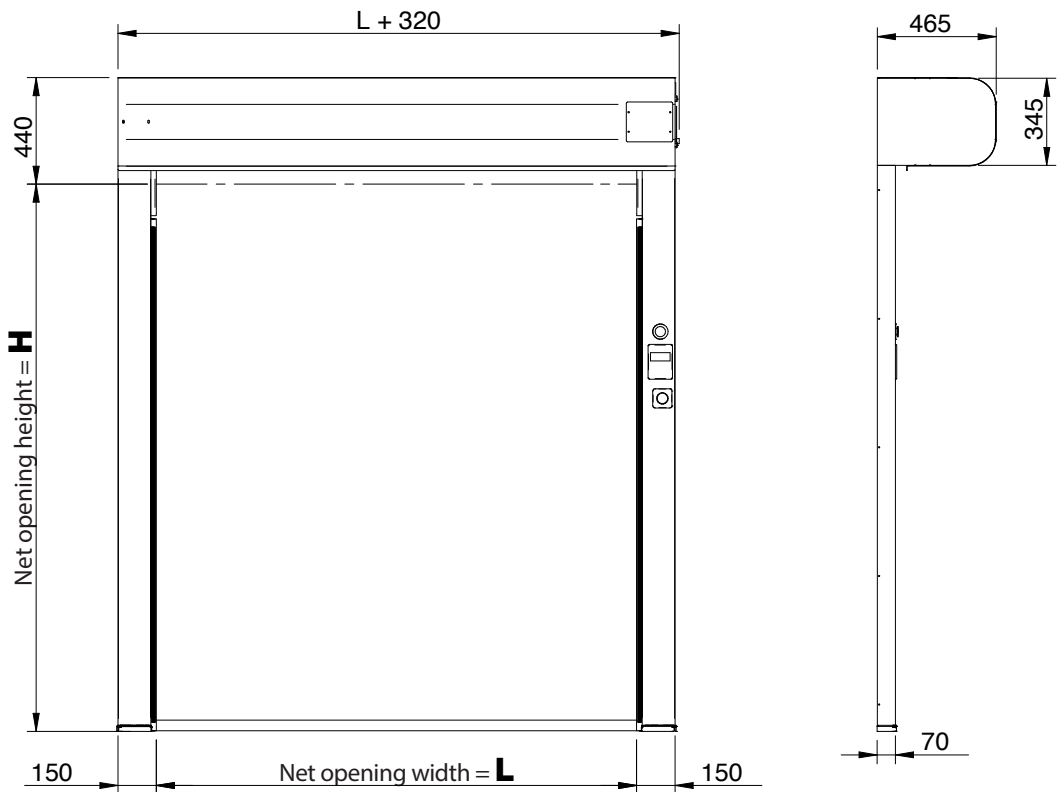
GENERAL TECHNICAL FEATURES

Max dimension	L 3000 x H 3000 mm
Frame	304 10/10 stainless steel base 304 8/10 stainless steel cover
Winding shaft	Ø 250 mm
Maximum speed	opening: up to 2.5 m/s (adjustable) closing: 0.8 m/s
Curtain	PVC 650 g/m² white, fabric adapted for contact with foods opt: PVC 900 g/m², fabric not adapted for contact with foods
Sliding	On grates
Electronics	Motorgear: IP 54; P = 0.25 kW; with cataphoresis coating and complete with electromagnetic brake and absolute encoder Motor position: housed inside the winding tube Motor control: with inverter card on exclusive Incold IP 66 box, Performance Level D Control board: built into the door upright, exclusive Incold IP 66, with Mylar keyboard and message display Automation power supply: 230 V, 1 phase + Neutral + Earth opt: Remote control with irMos system
Opening	Emergency keypad and push button + cleanswitch outlet push button
Wiring	Door supplied pre-wired
Emergency opening	Manual handle opt: Continuity unit (UPS)
Operating temperature	NT applications, temp > 5°C with RH % level < 30% (a thermal break is also recommended to prevent condensation)

AVAILABLE COLOUR/RAL (opt. for 900 g/m² fabric)

1003	2004	5010	6026	9016
1021	3002	5012	1013	9005
7035	9006	7037	7038	

DIMENSIONS



SAFETY SYSTEMS



Optical barriers - only for dry environments in compliance with the EN 12445 standard (only for L ≥ 1200 mm)



FABRIC OPTIONS

Custom





THE FREEZER RAPID ROLL-UP DOOR is characterised by an operating temperature of up to -25°C, with a maximum temperature difference of 30°C between the inside and outside of the cold store room. Suitable for food environments and minimise the release of cold when the store rooms are opened.

ADVANTAGES

- ✓ Energy saving
- ✓ Protected heated automation
- ✓ Electronics card housed in the motor
- ✓ Easy to install with pre-wired electronics

APPLICATIONS

- ✓ Always in combination and opposite an isothermal sliding door
- ✓ Low temperature cold store rooms

Test	Result	Reference standards
Protection against impact hazards	Compliant	EN 13241 EN 12453
IP degree of control keyboard	IP 66	CEI EN 60529
Sound power	70,3dB	EN ISO 3746 EN ISO 11203

Other certifications: Infotec D-035

GENERAL TECHNICAL FEATURES

Max dimension	L 3000 x H 4000 mm
Frame	RAL 9010 white painted plate Heating system in the vertical uprights and inside the upper guide box <i>opt:</i> FREEZER IX: AISI 304 stainless steel *
Winding shaft	Aluminium
Maximum speed	<i>opening:</i> up to 0.8 m/s (adjustable) <i>closing:</i> 0.6 m/s
Fabric	Special grey sheet, reduces the formation of condensation to a minimum $\lambda = 80 \text{ W/m}^2\text{K}$ thickness 1.4 mm
Sliding	Lower polyethylene bar complete with seal on the ground and rigid side spatulas
Electronics	Motorgear: IP 54; P = 0.75 kW; complete with electromagnetic brake and absolute encoder, protected heated motor Motor control: with inverter card on exclusive Incold IP 66 box, Performance Level D Control board: exclusive Incold IP 66, with Mylar keyboard and message display Automation power supply: 230 V, 1 phase + Neutral + Earth <i>opt:</i> Remote control with irMOS system
Opening	Emergency keypad and push button + mushroom push button Ø 90 mm
Wiring	Door supplied pre-wired
Emergency opening	Manual handle <i>opt:</i> Continuity unit (UPS)
Operating temperature	Minimum internal temperature: -25°C ΔT maximum between inside and outside: 30°C R.H. external <30% <i>opt:</i> floor heating mats to prevent ice on the ground (application recommended)

* Models on the next page

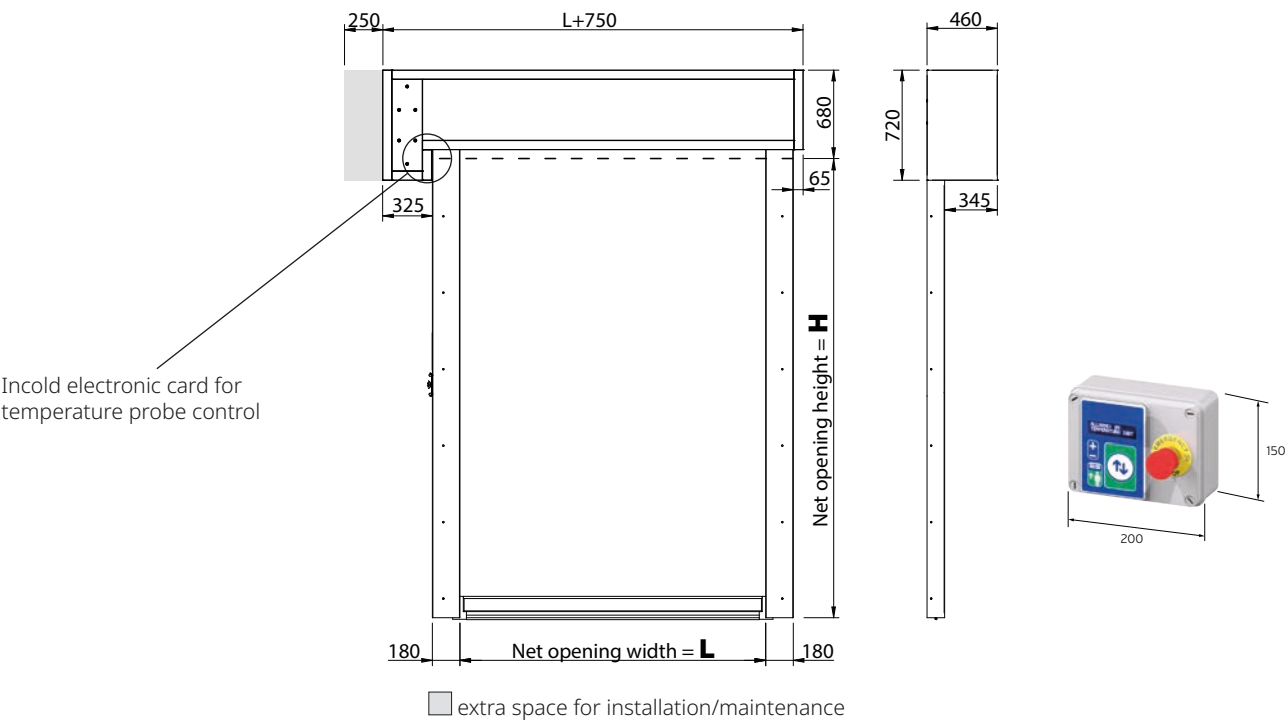
SAFETY SYSTEMS



Optical barriers - only for dry environments in compliance with the EN 12445 standard (only for L ≥ 1200 mm)



DIMENSIONS



OTHER MODELS

FREEZER-IX

The FREEZER-IX rapid roll-up door is a variation of the FREEZER, designed for aggressive environments. Characterised by 304 stainless steel.



APPLICATIONS

- ✓ Always opposite an isothermal sliding door
- ✓ Low temperature cold store rooms
- ✓ Aggressive environments

TECHNICAL FEATURES

Frame	304 stainless steel
Winding shaft	Stainless steel, Ø 114 mm
Motorgear	IP 54; P = 0.75 kW; complete with electromagnetic brake and absolute encoder with cataphoresis coating and stainless steel hollow shaft



THE FOLD UP DOOR is strong thanks to the folded frame in 3 mm thick galvanised steel sheet. The folding system consists of a sheet (PVC coated fabric) strengthened internally by galvanised steel tubes placed inside welded pockets. The diameter of the strengthening tubes varies according to the resistance class for the required air pressure. The sheet assembly is lifted thanks to belts secured above the winding shaft.

ADVANTAGES

- ✓ Safety
- ✓ Strength
- ✓ Easy to install with pre-wired electronics

APPLICATIONS

- ✓ Warehouses
- ✓ Industry
- ✓ Composting plants
- ✓ Farm storage areas
- ✓ Car washes
- ✓ Laboratories

AIR PRESSURE RESISTANCE

Available in class 2 / 3 / 4 depending on requirements



GENERAL TECHNICAL FEATURES

Max dimension	L max 10000 mm
Frame	Galvanised steel (painted on request) <i>opt:</i> Aisi 304 stainless steel sheet
Winding shaft	up to 6000 x 6000 mm: Ø 114 in aluminium <i>over:</i> Ø 133 in steel
Maximum speed	<i>opening:</i> up to 0,8 m/s (adjustable) <i>closing:</i> 0,8 m/s
Fabric	PVC 900 g/m² with two window rows
Sliding	On plastic profiles fixed on the frame Smoother sliding curtain support <i>opt:</i> Side brushes to reduce the noise and the passage of hot/cold air from inside to outside
Electronics	Motor/gear: three-phase asynchronous fitted with parachute and encoder and inverter system; various powers depending on size. 40 N/m and 90 N/m (230V), 200 N/m and 370 N/m (400 V) Motor control: with inverter card on exclusive Incold IP 66 box, Performance Level D Control board: exclusive Incold IP 66, with Mylar keyboard and message display Automation power supply: 230 V 50/60 Hz 1 phase + Neutral and Earth (for doors up to 90N/m) for larger doors: 400V, three-phase + Neutral + Earth Remote control with IRVOS system
Opening	Emergency keypad and push button + mushroom push button Ø 90 mm
Wiring	Door supplied pre-wired
Emergency opening	Manual handle Counterweight for system balancing needed in some large doors; always available as optional for opening by foot in the absence of power supply <i>opt:</i> Continuity unit (UPS)

Supporting structure if necessary not included

AVAILABLE COLOUR/RAL

1003	2004	5010	6026	9016
1021	3002	5012	1013	9005
7035	9006	7037	7038	

SAFETY SYSTEMS

Safety edge with wireless transmitter fitted with long-lasting battery

2 pairs of single ray photoelectric cells inside and outside the frame uprights



Primary safety



Secondary safety

Option (L < 6500 mm)

Safety edge with wireless transmitter fitted with long-lasting battery

Optical barriers - only for dry environments in compliance with the EN 12445 standard (for H ≥ 2.5 m)



Primary safety



Secondary safety

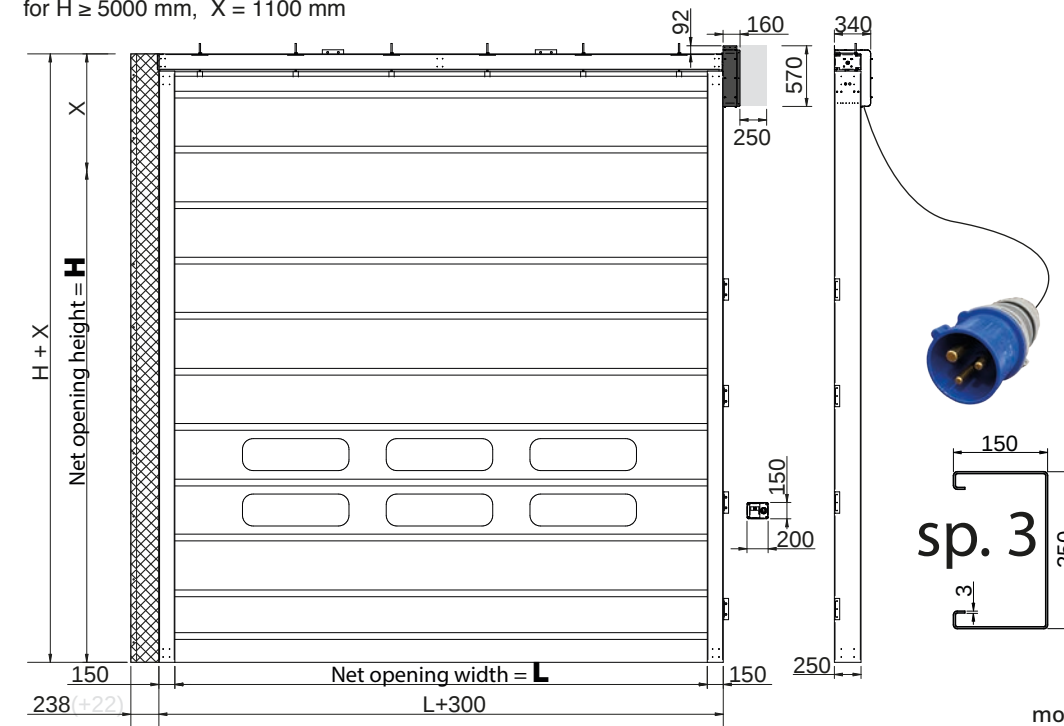
FABRIC OPTIONS



DIMENSIONS

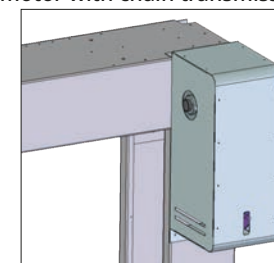
Motor positioned to the left or to the right
Max L 6500 mm

for H < 5000 mm, X = 850 mm
for H ≥ 5000 mm, X = 1100 mm



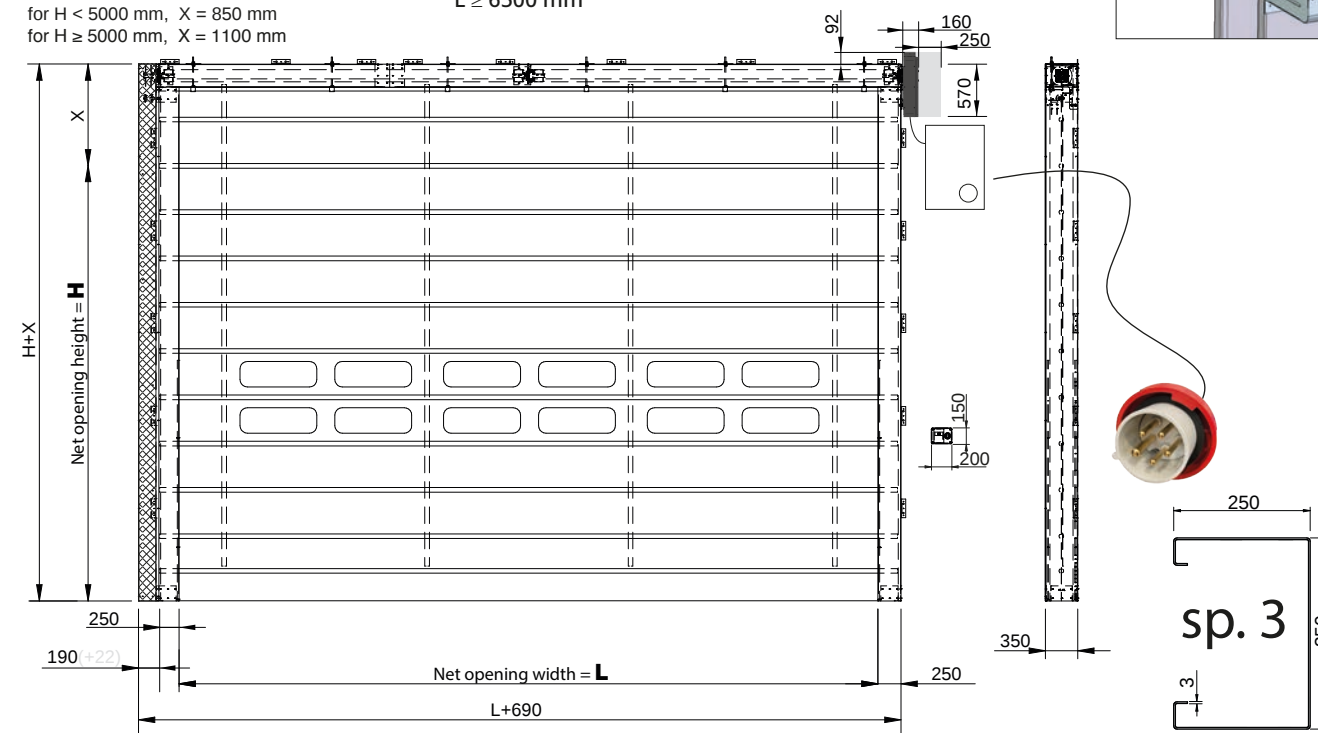
opt: Counterweight system
 extra space for installation/maintenance

opt: Front motor:
motor with chain transmission



Motor positioned to the left or to the right
L ≥ 6500 mm

for H < 5000 mm, X = 850 mm
for H ≥ 5000 mm, X = 1100 mm



Counterweight system
 extra space for installation/maintenance



INDUSTRIA
4.0
ready

THE SZ SECTIONAL DOORS are designed to be reliable, long-lasting and safe. We offer flexible doors that can be adapted to every need and size; we supply high quality safety and control systems that comply with European standards.

ADVANTAGES

- ✓ Safety
- ✓ Strength
- ✓ High wind resistance
- ✓ Electronics card housed in the motor
- ✓ Easy to install with pre-wired electronics

APPLICATIONS

- ✓ Warehouses
- ✓ Industry
- ✓ Composting plants
- ✓ Farm storage areas
- ✓ Car washes
- ✓ Distribution centres

GENERAL TECHNICAL FEATURES

Max dimension	L 7000 x H 5500 mm
Frame / Rail system	In made-to-measure galvanised steel. There are 4 rail systems, to meet multiple applications*
Spring cable system	To keep the door open. The spring systems are devised for each door on the basis of the expected cycle (to be specified in the order)
Panels	Consisting of two metal supports (sandwich), insulated and self-supporting with horizontal staves, with high density polyurethane insulation S40 (40 mm) Anti-pinching: with profile to prevent the crushing of fingers (mandatory for H ≤ 2,5 m) T40 (40 mm) industriale: without profile to prevent the crushing of fingers T40 ISO (40 mm) industrial: with insulating gasket <i>opt: S80 (80 mm) industrial</i>
Electronics	Motorgear: IP 54; P = 0,55 kW; complete with absolute encoder and safety catch device Motor control: with inverter card on exclusive Incold IP 66 box, Performance Level D Control board: exclusive Incold IP 66, with Mylar keyboard and message display Automation power supply: 230 V, 1 phase + Neutral + Earth <i>opt: Remote control with irVos system</i>
Opening	<i>Manual:</i> with a chain hoist <i>opt motorized:</i> available in three versions: “dead man” operating, semi-automatic (automatic opening + manual closing) or completely automatic (automatic opening and closing) <i>opt: Padlock</i>
Wiring	Door supplied pre-wired
Emergency opening	Crank with chain

* Models on the next page

U-values in W/m²			
L x H	S40 / T40	T40 ISO	S80
3000 x 3000	1,15	0,92	0,60
4000 x 4000	1,10	0,88	0,50
5000 x 5000	1,00	0,80	0,45

AVAILABLE COLOUR/RAL*

- | | | | | |
|------|------|------|------|------|
| 1021 | 3000 | 5010 | 6009 | 9010 |
| 9002 | 7016 | 9007 | 9006 | 8014 |

*Inner side colour RAL 9002

PORTHOLE OPTIONS



1 line



2 lines



3 lines



4 lines



NS - Normal

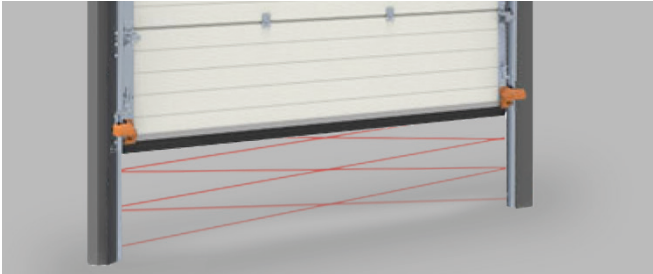
Vertical uprights and roll guides in galvanised steel. The door opens horizontally after the clear span height.

SAFETY SYSTEMS



Cable break or spring break safety device

Option



Optical barriers - in compliance with the EN 12445 standard
Standard with complete automation

Device	For non motorized doors	For motorized doors	Recommended
Spring break safety device	✓	option	✓
Cable break safety device	✓	✓	✓
Optical barrier	-	✓	✓
Anti-pinching protection	✓ H < 2,5 m	✓	✓
Slack cable safety device		✓	2 per door
Padlock	✓	-	✓

OTHER MODELS

HS - High



Track adapted for high architrave; version consisting of a vertical first section and then the door slides horizontally in the second.

VS - Vertical



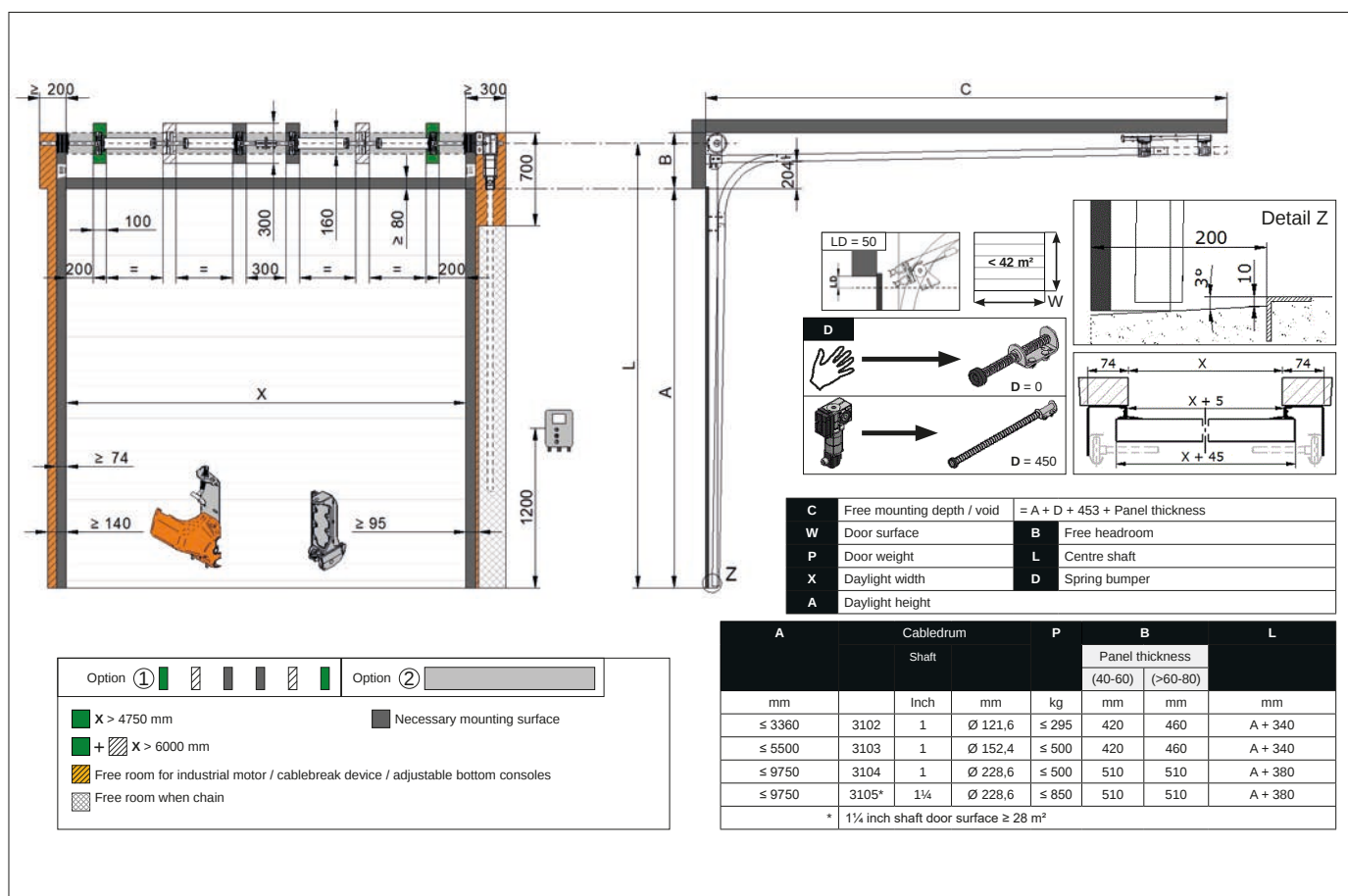
The opening movement is completely vertical.

LS - Low

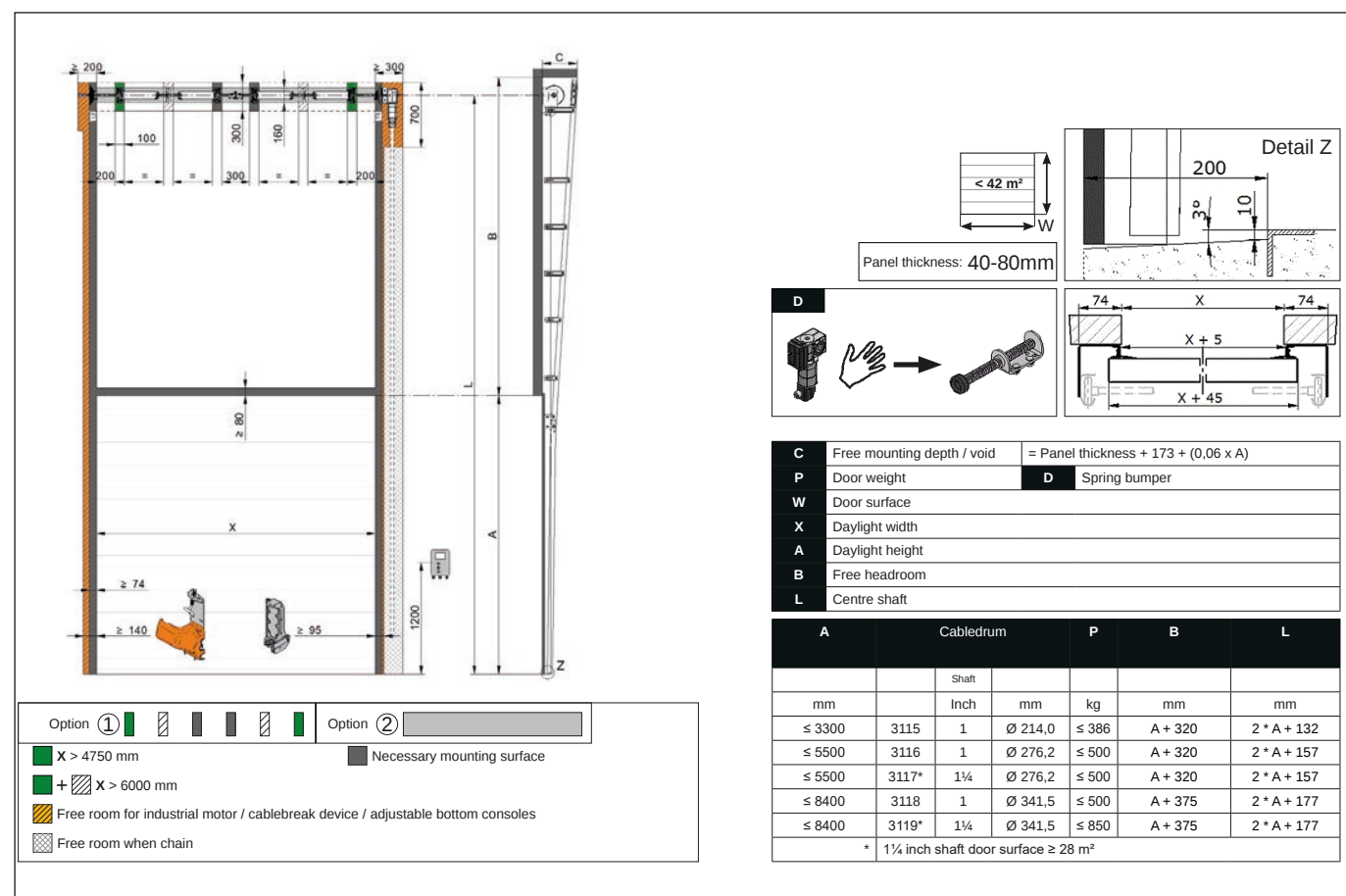


The bend on the guides has a radius that enables the door to be opened even with very low architraves (200 mm, 250 mm and 320 mm).

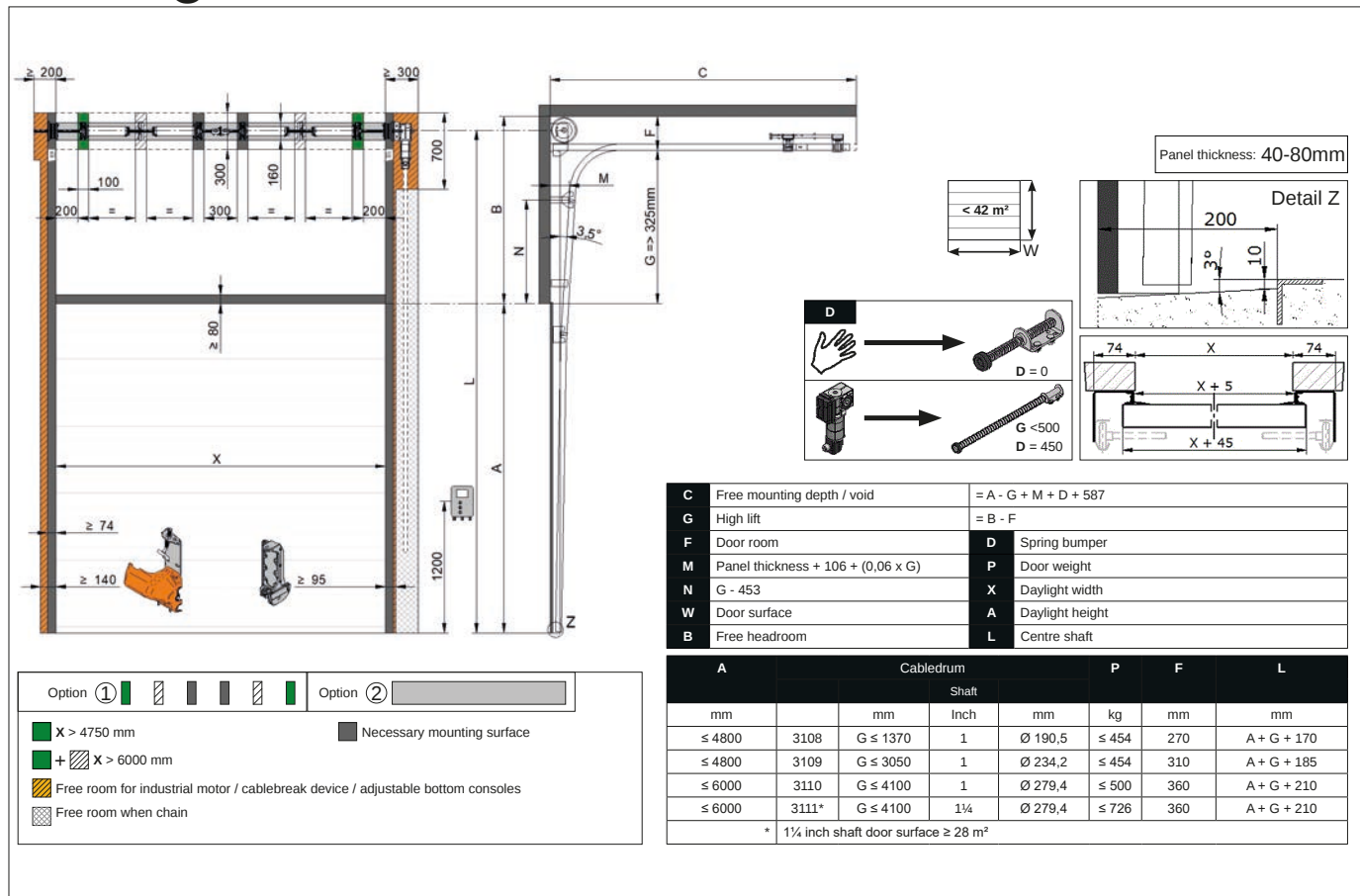
NS - Normal



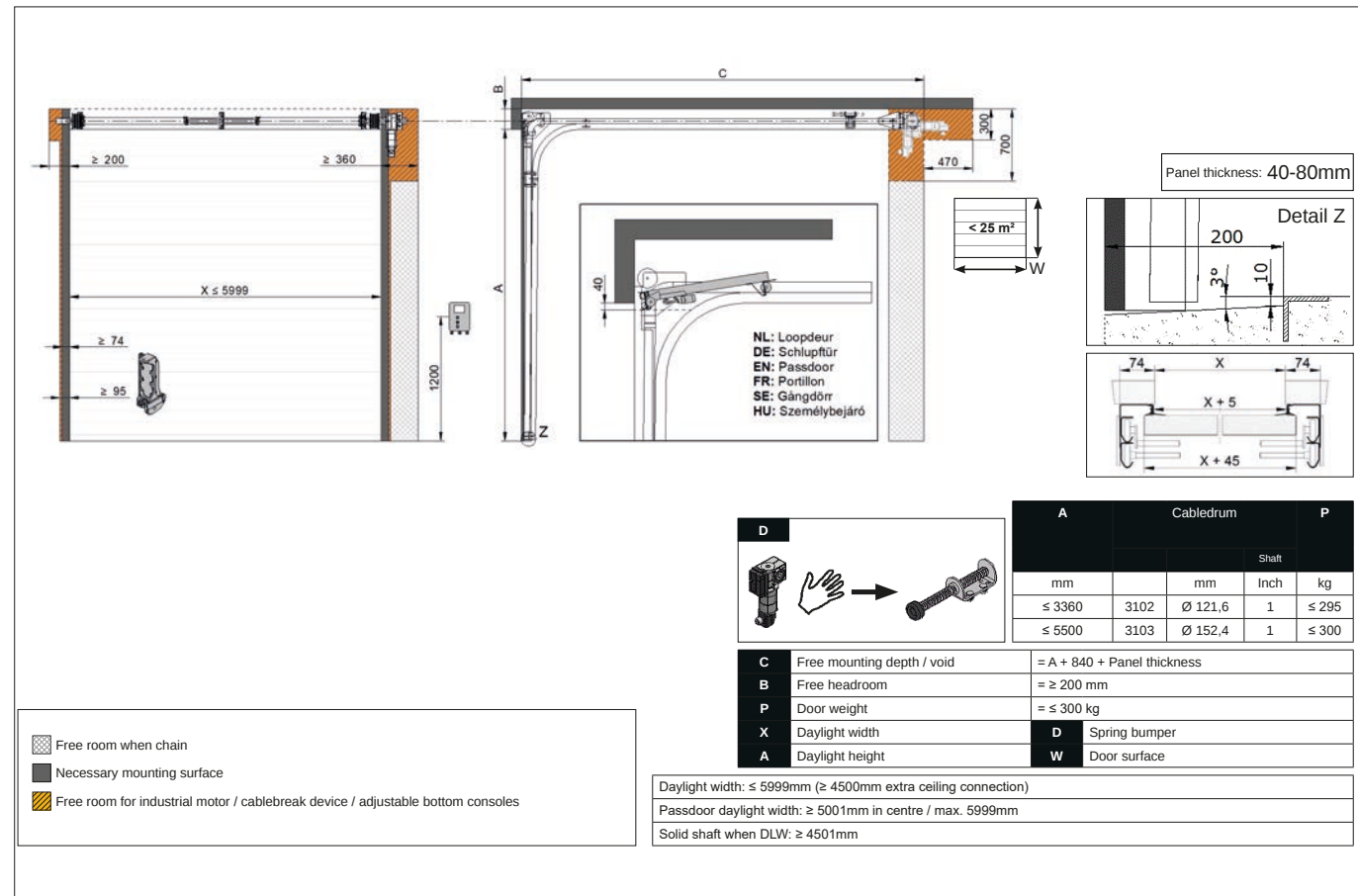
VS - Vertical



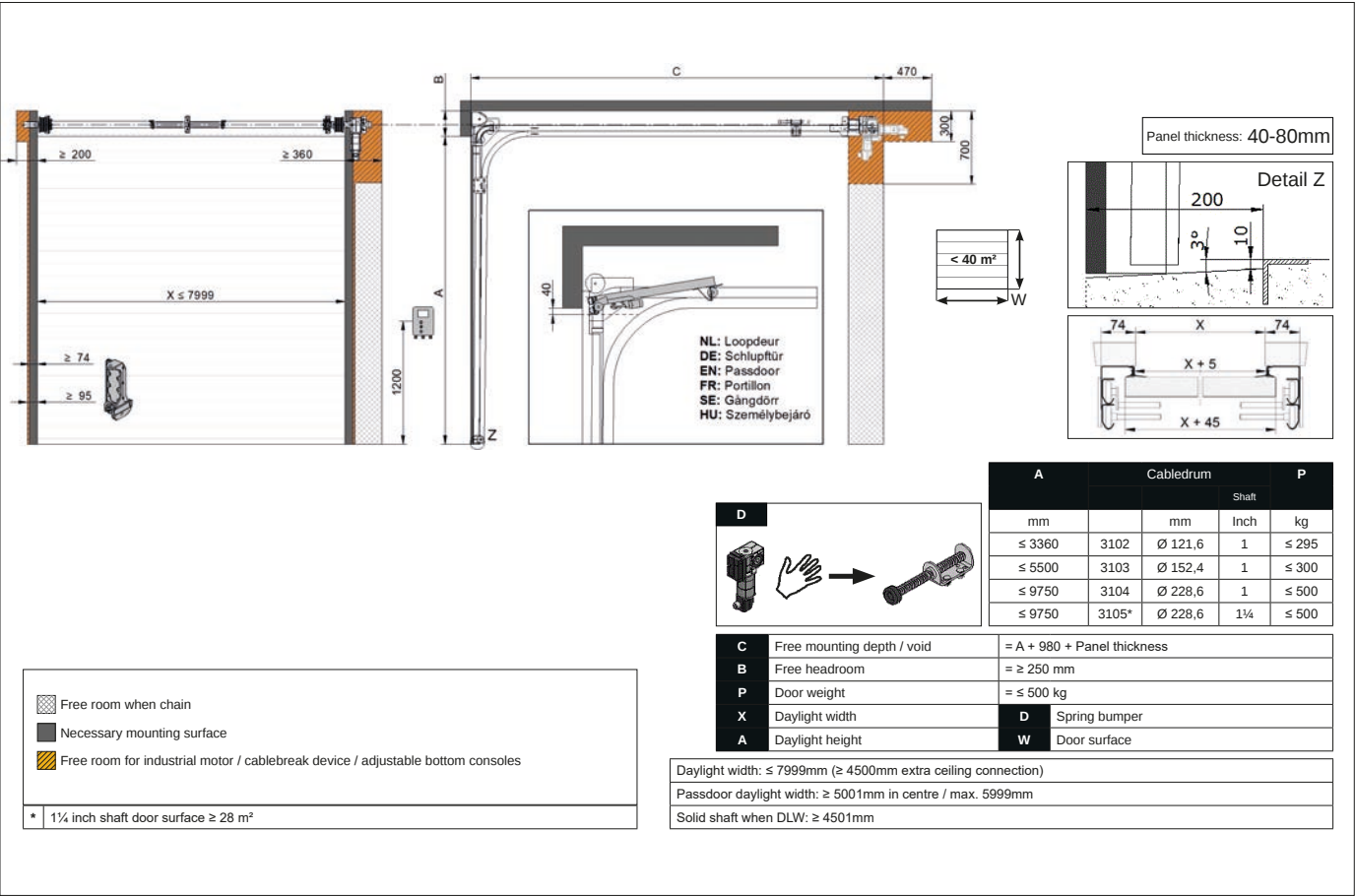
HS - High



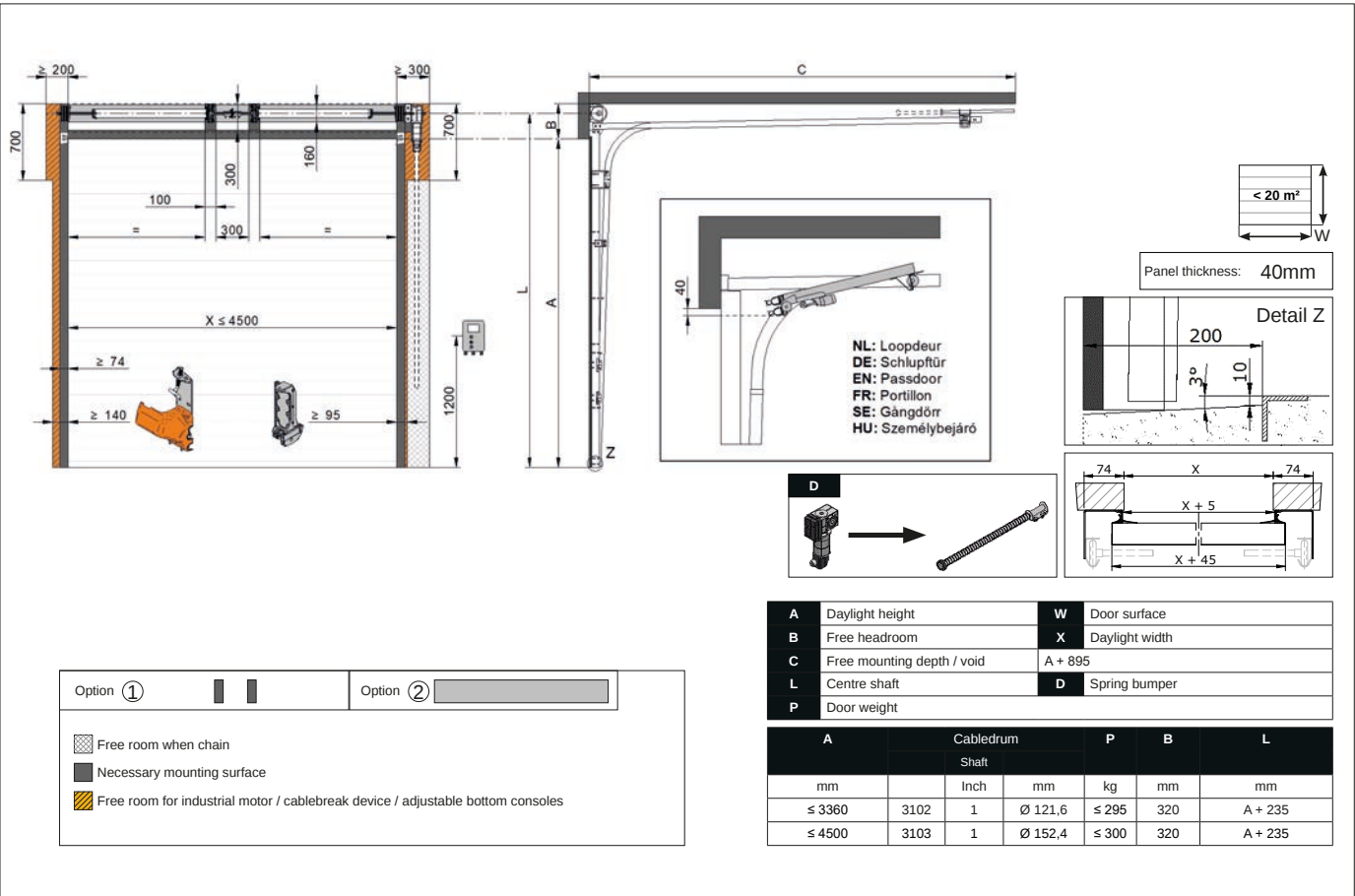
LS - Low 200 mm



LS - Low 250 mm



LS - Low 320 mm



OPTIONS



Rail system in stainless steel for aggressive environments



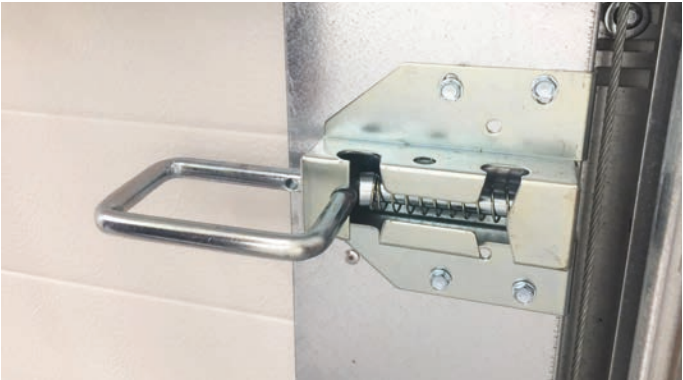
Door with panoramic portholes



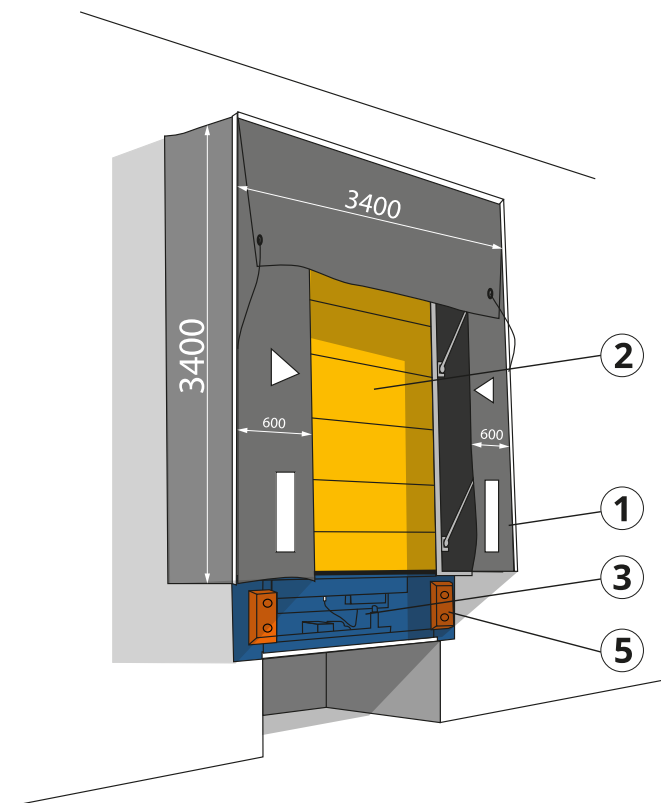
Pedestrian door



T Version: The lower part is fixed

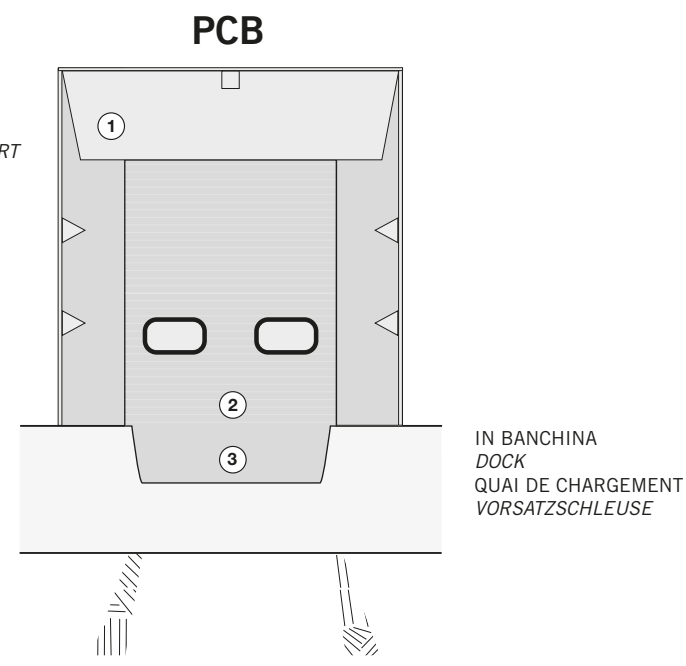
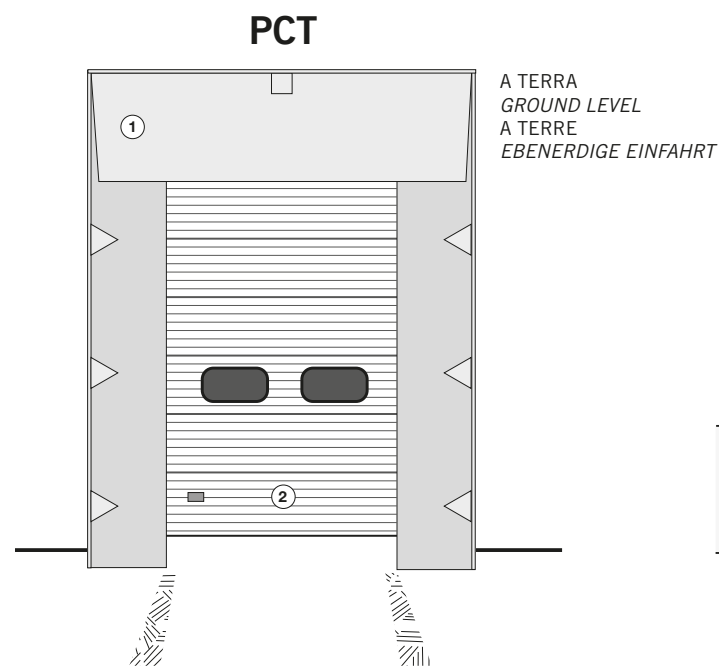


Padlock

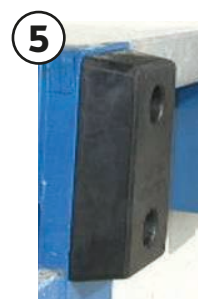


GENERAL TECHNICAL FEATURES

1	Loading dock system	Galvanised steel load-bearing structure, retractable and shockproof.
2	Sectional doors	Insulated galvanised steel, manual version standard mechanical components (H from architrave to ceiling: about 500 mm). • Safety device for cables and springs. • 2 windows in acrylic double glazing. <i>opt:</i> Inside bolt.
3	Loading ramp	• RSA model • Dimensions: width = 2000 mm, length = 2500 mm • 1-element rotating side rail • Oil pressure control unit built into the structure (one per ramp) • Standard buffers included • Ramp operation control panel (one per ramp) • RAL 5010 blue
4	Hole edging profiles	
5	Buffer	Standard model dim. 85 x 80 x 400 mm <i>opt:</i> Jumbo in stiff rubber with rear plate dim. 450 x 250 x 100 mm



Standard



Jumbo





INCOLD COIBENT STRIP CURTAINS are designed to offer a high level of thermal insulation and reduce the dispersion of cold during the loading/unloading operations within cold stores. They consist of PVC coated sheets with a bearing made of insulating material placed in between. Incold COIBENT strip curtains immediately return to the original position and do not stick together. Ease assembling, solidity and low maintenance making them a solution that is always recommended both for normal temperatures and low temperatures. Costs are quickly redeemed thanks to the energy savings.

ADVANTAGES

- ✓ Energy saving
- ✓ Thermal insulation
- ✓ Reduction of condensation

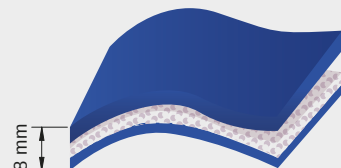
APPLICATION



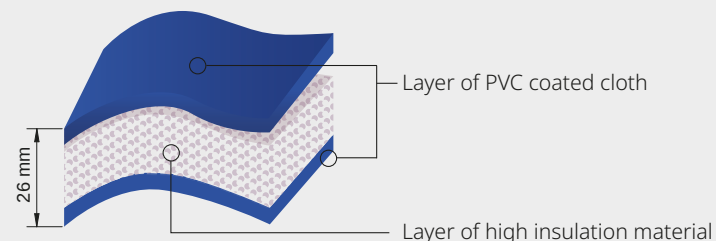
Incold COIBENT curtains are fitted with a transparent section of 120x500 cm on each strip

2 models:

COIBENT 8

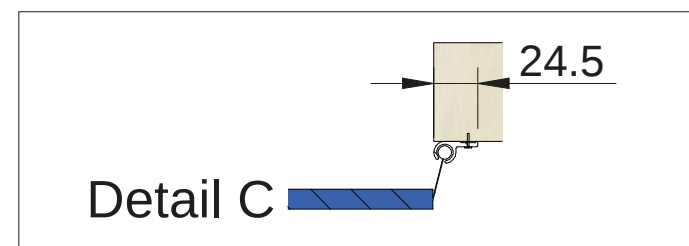


COIBENT 26



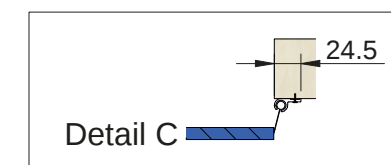
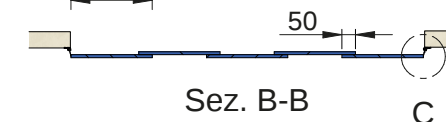
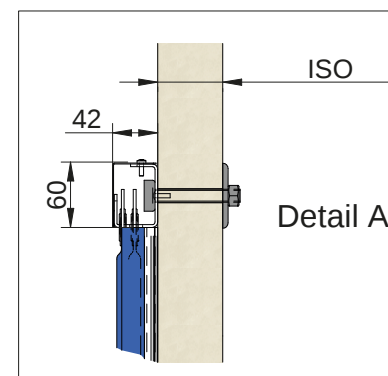
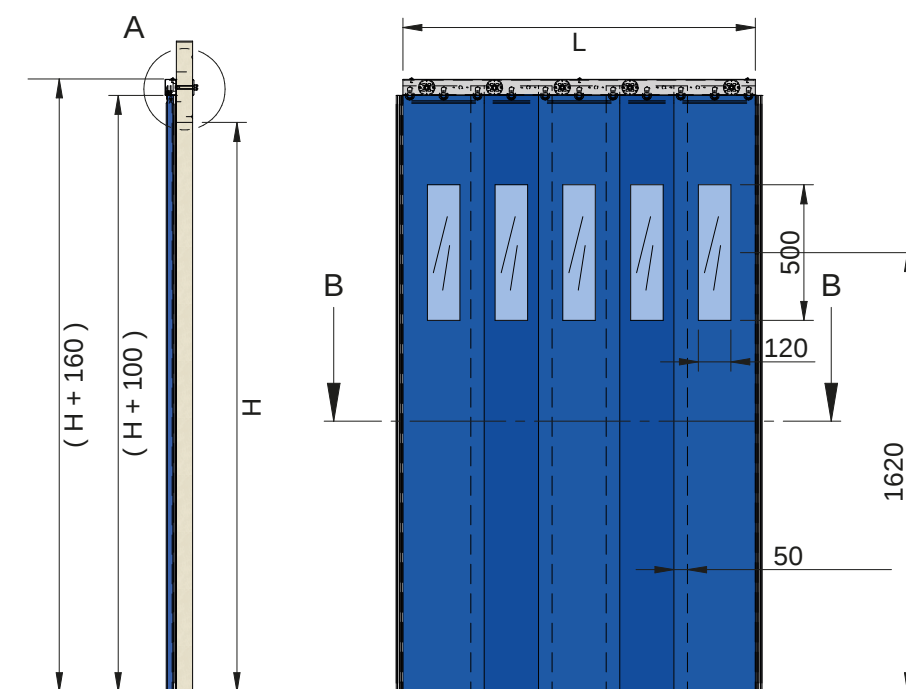
Securing: (ref. detail C):

Incold COIBENT curtains are secured onto the upper part on a stainless steel finger rack, and on both sides with a full height aluminium section to guarantee the thermal seal. The strips are 300 mm wide and overlap by 5 cm.



AVAILABLE COLOUR/RAL

1003	2004	5010	6026	9016
1021	3002	5012	1013	9005
7035	9006	7037	7038	



DIMENSIONS

L \ H	2000	2200*	strips
1050	✓	✓	4
1300	✓	✓	5
1550	✓	✓	6
...	✓	✓	...
...	✓	✓	...

*H max = 2200 mm

PACKAGE DIMENSIONS

WEIGHT: < 30 Kg

H_s: depending on the number of strips



IRMOS (Incold Remote Monitoring System), il sistema per il controllo remoto continuo delle porte automatiche.

La tecnologia aperta consente di raccogliere dati, elaborarli e renderli fruibili 24/7 in modo semplice e intuitivo.

IRMOS (Incold Remote Monitoring System), the system for continuous remote control of automatic doors.

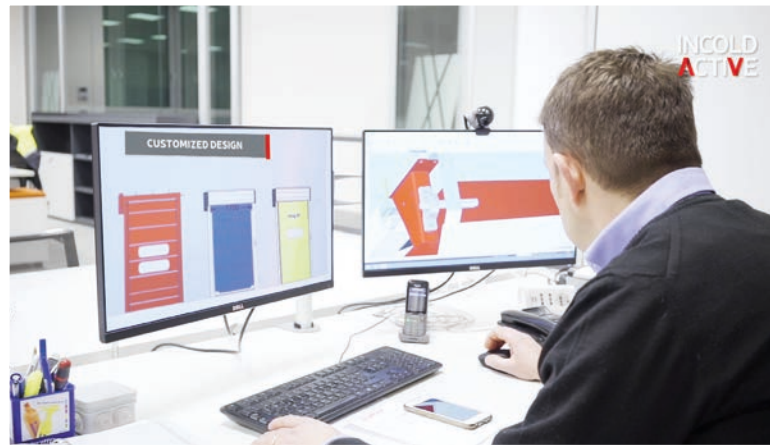
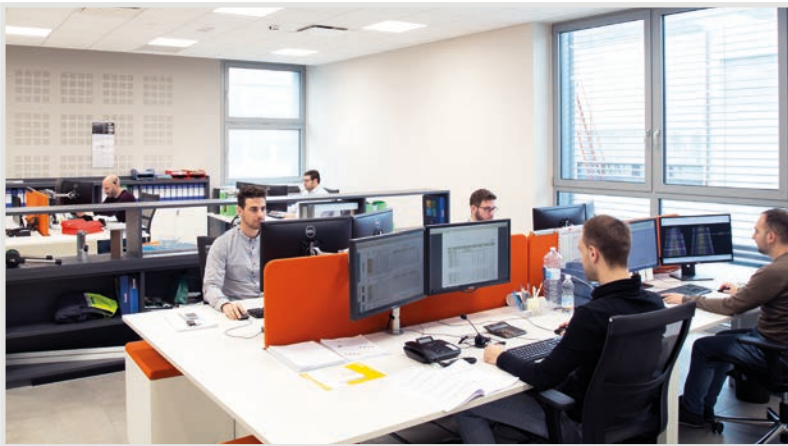
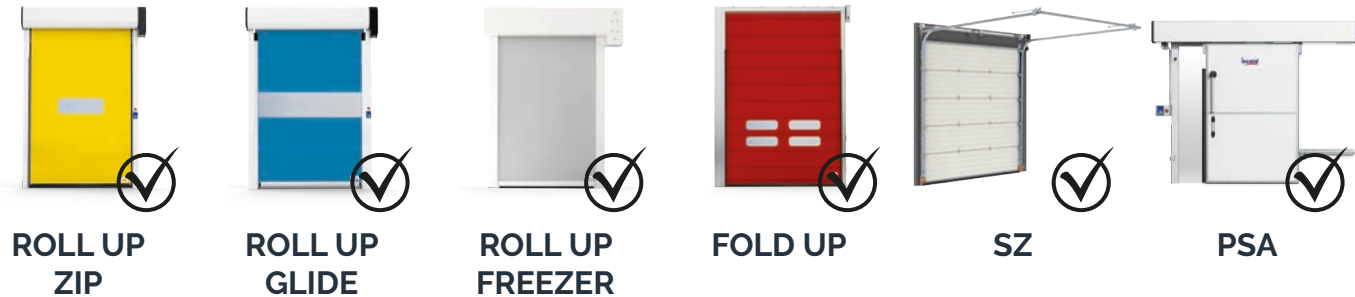
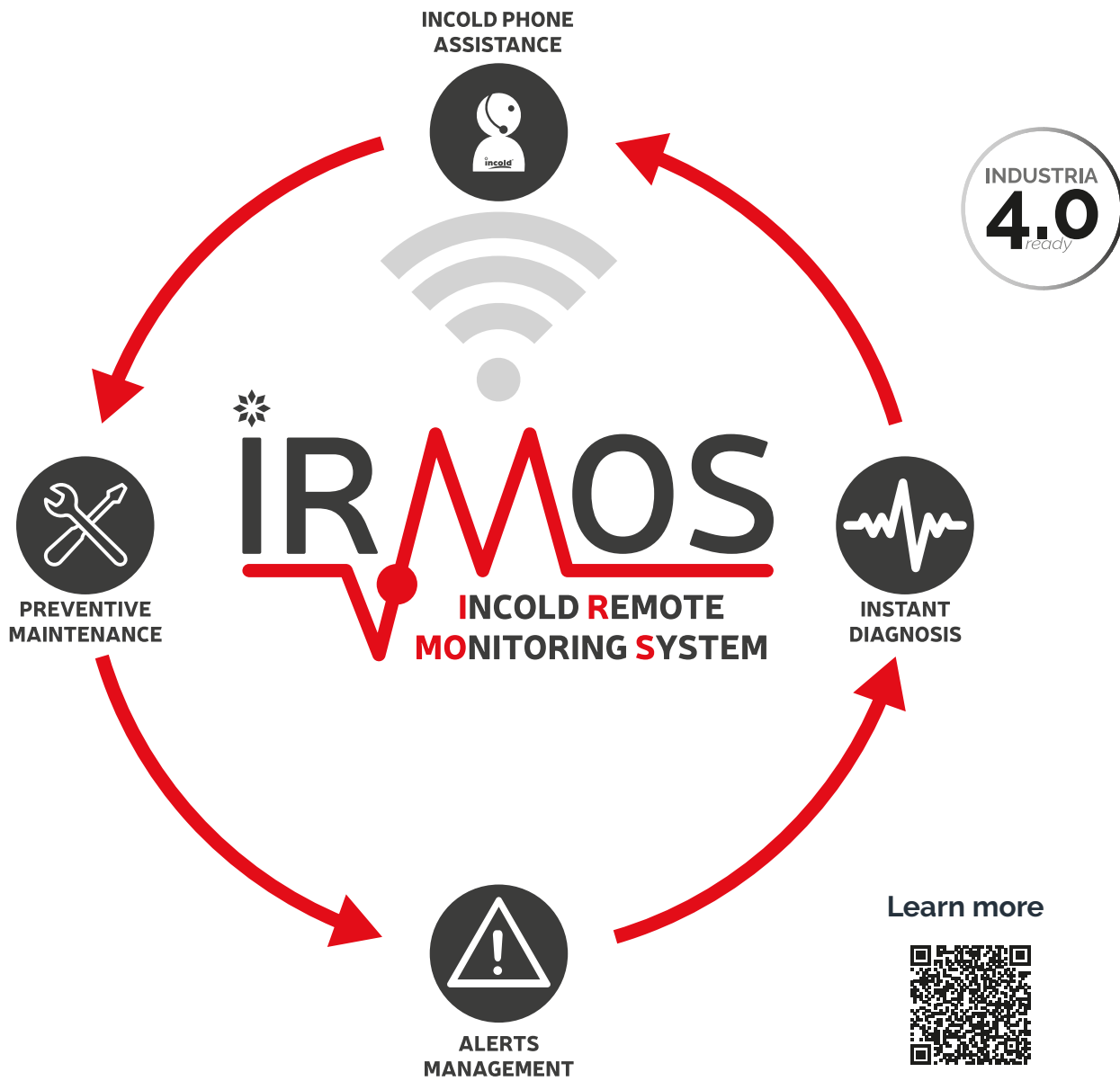
The open technology allows you to collect data, process them and make them available 24/7 in a simple intuitive manner.

IRMOS (Incold Remote Monitoring System), le système de contrôle à distance continu des portes automatiques.

la technologie ouverte permet de collecter, traiter et utiliser les données 24h/24 et 7j/7 de manière simple et intuitive.

IRMOS (Incold Remote-Monitoring-System), dem ständigen Remote-Kontrollsystem für automatische Türen.

Die offene Technologie ermöglicht auf einfache und intuitive Weise die Sammlung und Bearbeitung von Daten und dies rund um die Uhr, sieben Tage die Woche.



DISPOSITIVI DI APERTURA - Opening devices - Dispositifs d'ouverture - Öffnungseinrichtungen



Radar per **H > 3000 mm**
Radar for **H > 3000 mm**
Radar pour **H > 3000 mm**
Radar für **H > 3000 mm**



Radar per **H < 3000 mm**
Radar for **H < 3000 mm**
Radar pour **H < 3000 mm**
Radar für **H < 3000 mm**



Programmatore radar
Radar programmer
Programmeur radar
Radarprogrammierer



Ricevitore
Receiver
Récepteur
Empfänger



Telecomando **15 canali**
Remote control **15 channels**
Télécommande **15 canaux**
Fernbedienung **15 Sender**



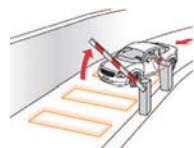
Telecomando **5 canali**
Remote control **5 channels**
Télécommande **5 canaux**
Fernbedienung **5 Sender**



Pulsante a fungo Ø 90 mm
Mushroom push button Ø 90 mm
Bouton champignon Ø 90 mm
Pilztaster Ø 90 mm



Tastierino numerico con lettore badge
Numeric keypad with card reader
Digicode avec lecteur de carte
Tastatur mit Ziffernblock und Kartenleser



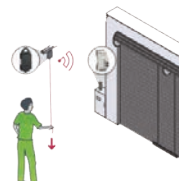
Rivelatori a spira 2 canali
Loop detector 2 channels
Décteur à spire 2 canaux
Windungen im Boden mit 2 Sender



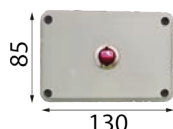
Tirante a fune
Pulling cable
Interrupteur à câble
Seilzugschalter



Supporto interruttore fune
Support for wire/rope
Support à ficelle
Träger für Seilzugschalter



Tirante wireless
Wireless rod
Tirant sans fil
Wireless Seilzüge

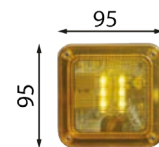


Sensore infrarosso a sfioro
Infrared touchless sensor
Interrupteur à infrarouge sans contact
Berührungsloser Infrarotsensor
Industrial uses

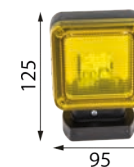


Sensore infrarosso a sfioro
Infrared touchless sensor
Interrupteur à infrarouge sans contact
Berührungsloser Öffnungssensor
Internal uses

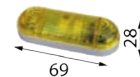
DISPOSITIVI DI SICUREZZA - Safety devices- Dispositifs de sécurité - Sicherheitseinrichtungen



Lampeggiante giallo quadro singolo
Single panel flashing yellow
Clignotant jaune panneau simple
Blitzleuchte einzelner Verteilerkasten
24 V



Lampeggiante giallo quadro doppio
Double panel flashing yellow
Clignotant jaune panneau double
Blitzleuchte doppelter Verteilerkasten
24 V



Lampeggiante giallo micro flash
Micro flash yellow flashing
Clignotant jaune micro flash
Gelbbblitzleuchte Micro Flash
24 V



Semaforo
Traffic light
Feu rouge
Signalleuchte



Pali protezione porta
Door protection poles
Poteaux de protection porte
Türschutzpfosten



UPS 0.75 Kw
USV 0.75 Kw



Interblocco con altra porta automatica
Interlock with other automatic door
Interlock avec autre porte automatique
Verriegelung mit anderer automatischen Tür

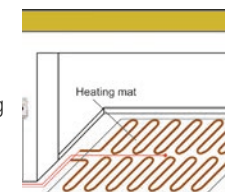
OPTIONS

Zip / Glide



Acciaio di bordatura Inox
Stainless steel edging steel
Bordure en acier inoxydable
Edelstahlprofile zur Verkleidung der Laibung

Freezer



Riscaldamento a pavimento: Consigliata l'applicazione di stuoie scaldanti a pavimento (optional) per prevenire il ghiaccio a terra.

Floor heating: Floor heating mat(optional) to prevent ground ice are recommended.

Chauffage au sol : Application conseillée de tapis chauffant au plancher (en option) pour prévenir la formation de glace au sol.

Bodenheizung: Es wird (optional) die Verwendung von Heizmatte am Boden empfohlen, um Eis am Boden vorzubeugen.





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