ROCKiES

INDUSTRIAL DOOR SOLUTIONS

Specialise in providing integrated solutions for loading and unloading goods.






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We provide the solution you are looking for Even those you never imagined.

OVERVIEW

Rockies specialises in providing integrated solutions for loading and unloading goods, as well as access control through industrial enclosures. Our highly qualified team, with over 33 years of experience in the sector, designs, produces, installs, and provides after-sales services for our entire product range: loading bays, industrial doors, warehouse equipment, dock shelters, and more.

High-quality products and prompt service are the most valued characteristics by our customers. Therefore, our aim is to satisfy their needs by offering the most customised and efficient service, delivering the most appropriate and suitable solutions for each specific case.

Rockies products are widely used in small workshops and companies in the food or automotive industries, as well as in large logistics centres. Each customer has their own requirements, and each solution is designed with specific characteristics to meet those needs.

As a manufacturer with our own R+D+I Department, Rockies guarantees the production of precise, robust, and safe products that comply with all international standards. Our products are offered at highly competitive prices while ensuring proven quality, excellent performance, and long-lasting durability.

One of the keys to our success is innovation. Developing new products is one of our main priorities. For this reason, we invite you to visit www.rockies.co.th and explore all the products and services we provide to meet your needs.

Disclaimer: Specifications, dimensions, and designs of Rockies Industrial Door Systems are subject to change without prior notice. Illustrations are for reference only and are not legally binding.





INDUSTRIAL DOORS

Rockies has extensive experience in designing and developing loading bays, enabling us to competeeffectively in dynamic global markets. Our wide range of loading mechanisms is designed to meet diverse customer needs, ensuring safety, efficiency, and durability in every operation.

Before implementation, Rockies conducts a thorough preliminary study to determine the most effective solutions for each facility, focusing on:

- Safety for operators, equipment, and structures
- Advanced technology and premium materials for high-quality performance
- Optimised energy efficiency and environmental protection
- Faster, smoother loading and unloading operations
- Long service life of all components

In addition to loading equipment, Rockies provides complete construction systems tailored to each type of installation and site condition. Our key product categories include:

- Dock Levelers: Bridge the height and distance between the dock and truck for efficient loading.
- Loading Bridges: Easy to install without a pit, ideal for handling medium and small goods.
- Free-standing Frames & Tunnels: Complete external loadin structures that require no civil work and keep interior space free.

We provide the solution you are looking for Even those you never imagined.

ROCKIES HIGH SPEED DOORS



The Rockies High-Speed Door is engineered for industrial environments that require both speed and durability. Its automatic system ensures efficient, reliable performance even with frequent operation. Built from high-quality PVC, the door offers long service life, effective temperature control, and protection from dust and insects. With a robust yet flexible structure, it runs smoothly under demanding conditions while minimizing maintenance. Suitable for logistics centers, warehouses, food processing, heavy industry, and cold storage, the Rockies High-Speed Door improves workflow efficiency, reliability, and energy savings.

APPLICATION

• LOGISTICS

When products are ready, need to be transported to the end customer as quickly and efficiently as possible Consequently, many companies subcontract warehousing, transhipment and delivery to large logistics distribution centres. The doors involved in these logistic flows often open and close many times a day.

• FOOD INDUSTRY

high speed food industry is a recognised name in the food industry. We also have extensive experience with cold store manufacturers. We know from experience that this sector involves more than simply using materials such as stainless steel and compliance with strict hygiene requirements, there is also strong demand for custom-made solutions. These usually focus on cost efficiency and ensuring production process continuity

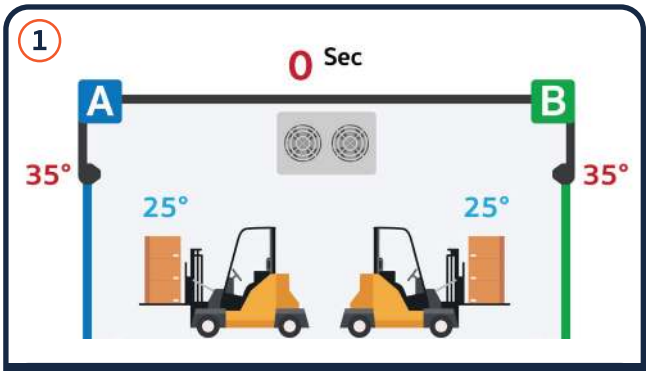
• HEAVY INDUSTRY

The light and heavy industry sectors require a wide variety of draught-excluding solutions. Rockie's extensive range of doors includes suitable solutions for practically any situation in these sectors. These products are easy to assemble, operate reliably for extended periods and require little maintenance. So our products guarantee you operating reliability, business continuity and safety.

• FREEZER

specially designed for freezer applications. High operating speed and excellent seal allow efficient traffic flow while minimizing temperature variations. Optionally, an insulated curtain is available for additional savings on energy costs.The absence of rigid elements in the curtain and the soft bottom edge make

THE OPERATION OF HIGH-SPEED DOORS



- In most buildings, the indoor temperature is approximately 19°C.
- Both doors open simultaneously.



- The conventional door **[A]** opens at 0.2 m/s.
- The SpeedRoller **[B]** opens much faster: 2.0 m/s.
- Forklift truck B is already moving out.



- The conventional door **[A]** opens slowly, cold air enters via the bottom and hot air escapes via the top.
- The SpeedRoller **[B]** is already closed before this airflow occurs.



- The conventional door **[A]** closes slowly, but the air flow still causes the inside temperature to drop.
- Forklift truck **A** is also out after a long wait.

Working efficiently also means saving energy. High-Speed Doors enhance logistics performance, and Rockies provide custom solutions for nearly every need.

Industrial buildings face strict energy requirements, and traditional doors can increase energy loss as indoor temperatures drop when doors are open. Shorter opening times minimize heat loss and drafts, keeping indoor conditions comfortable.

Conventional doors (A) allow airflows that waste energy, while Rockies' high-speed roll doors (B) close before airflow occurs, maintaining stable temperatures and reducing energy waste.

ROCKIES HIGH SPEED DOOR STANDARD



The Rockies Standard High Speed Door offers efficient, reliable performance for frequent use in industrial environments. Designed for both light and heavy-duty applications, it features reinforced profiles for stability and a fast opening speed of 1.8 m/s to maintain smooth traffic flow. Built with steel guide columns and a durable PVC curtain, it withstands moderate wind pressure while ensuring energy efficiency through tight side and bottom seals. For safety, it includes a standard light curtain and an optional soft FlexEdge bottom beam for added protection.

PRODUCT BENEFITS

- **Safety**

Equipped with a safety light curtain as standard; optionally available with a soft FlexEdge bottom beam for additional protection.

- **Durability**

Robust steel guide columns and a reinforced PVC curtain ensure long-lasting performance and structural stability.

- **Energy Efficiency**

Draught-free design with sealed sliding strips and a rubber bottom profile minimizes air leakage and improves indoor comfort.

Properties	Model Rockies
Max. surface area (W x H)	12 m²
Max. width (W) 3,000 mm	3,000 mm
Max. height (H)	4,000 mm
Opening speed with frequency control	1.0 m/s
Closing speed with frequency control	0.5 m/s
Door curtain thickness (standard)	1.2mm
Fabric weight (standard / optional)	680 gr/m²
Motor	0.75 / 1.5 / 2.2 kW
Power supply Frequency	220 V, 1 Ph / 380 V, 3 Ph, 50 Hz



Max. surface area	Max. wind load	Max. opening speed
12 m²	Class 2	1.0 m/s
W x H = 3000 x 4000	Class 2	with frequency control

APPLICATION

- **Distribution Centres**
Improves logistics flow and minimizes energy loss.

- **Warehouses**
Shields interiors from dust, wind, and insects while supporting smooth operations.

- **Food Industry**
Ensures hygiene and temperature control with rapid open–close cycles.

- **Light to Heavy Industry**
Built for durability and stable operation across diverse applications.



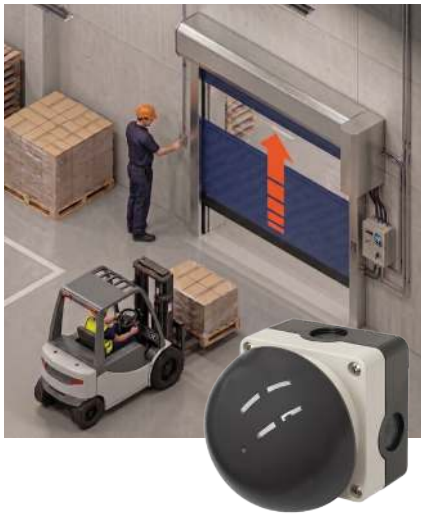




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RAL 9016 | RAL 7035 | RAL 7021 | RAL 5010

OPERATION AND SAFETY



Push-Buttons (Operation)

Pushbuttons are mainly used in personnel traffic. For situations where one's hands are not always free, a mushroom push button or a contactless ClearWave button is a solution.



Pull-Switch (Operation)

The pull switch has a long cable hanging a few metres in front of the door. It can be operated on foot or from a forklift truck without the driver having to get out. Very efficient when there is a lot of forklift traffic.



Remote Control (Operation)

A remote control (with transmitter and receiver) offers the possibility of selective operation. Only those persons and vehicles that have a remote control can operate the door. Available with one or several channels.



Induction Loop (Operation / Safety)

An induction loop detector produces a magnetic field. Every metal object within this field is detected. Suitable as a control, but also as an extra security in case of high speed forklift transport.



Radar (Operation / Safety)

Radars can only detect moving objects. The radar has a conical detection area and is direction-sensitive. The size, direction and sensitivity of the radar field are adjustable. Also for outdoor use



Condor (Operation / Safety)

The condor combines two functions in one device. The radar for detecting moving objects loperation) and an active infrared for detecting stationary objects (safety). Also suitable for out-door use.

ROCKIES HIGH SPEED SELF REPAIRED PVC DOOR



The Rockies High-Speed Self-Repaired PVC Door is designed for intensive operation, providing fast, reliable access while improving workflow efficiency. Its innovative self-repairing system automatically guides the door curtain back into the side tracks after accidental impact, minimizing downtime and reducing maintenance requirements. Combined with a self-lubricating track, the door delivers smooth, durable performance, excellent climate control, and energy-saving benefits, making it an ideal solution for industrial and logistics environments.

PRODUCT BENEFITS

- **Self-Repairing**
The door curtain automatically returns to its guides after a collision, reducing down time and maintenance costs.

- **Fast & Efficient**
High-speed operation ensures smooth traffic flow and minimal production delays.

- **Energy Saving**
Excellent draught exclusion and climate control help reduce energy consumption.

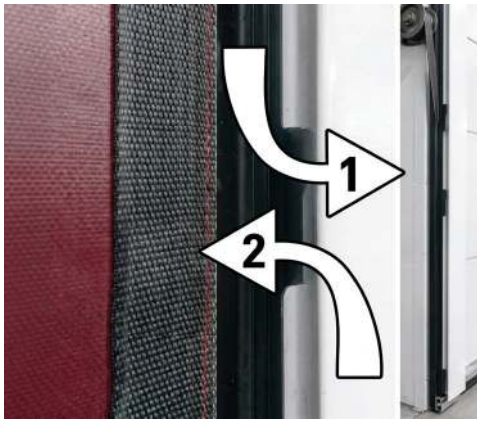
- **Safe Operation**
Equipped with a safety light curtain and soft FlexEdge bottom beam for secure use in high-traffic areas.

- **Silent & Smooth**
One-piece curtain design provides virtually noise-free operation.

- **Durable & Robust**
Polyester-reinforced curtain guided by strong steel columns withstands intensive use and harsh conditions.

- **Versatile Installation**
For interior openings up to 20.25 m².

- **Wind Resistant**
Withstands winds up to 11 Bft (Class 3), maintaining stable performance.



The self-repairing function ensures continuous operation.



Forklift



Zipper



Guide

Properties	Model Rockies
Max. surface area (W x H)	20.25 m²
Max. width (W) 3,000 mm	4,500 mm
Max. height (H)	4,500 mm
Opening speed with frequency control	1.5 m/s
Closing speed with frequency control	0.5 m/s
Door curtain thickness (standard)	1.0 mm
Fabric weight (standard / optional)	900 gr/m²
Motor	0.75 / 1.5 / 2.2 kW
Power supply Frequency	220 V, 1 Ph / 380 V, 3 Ph, 50 Hz



Max. Surface Area	Max. wind Load	Max. Opening Speed
20.25 m²	Class 0	1.5 m/s
W x H = 4500 x 4500	Class 0	with frequency control



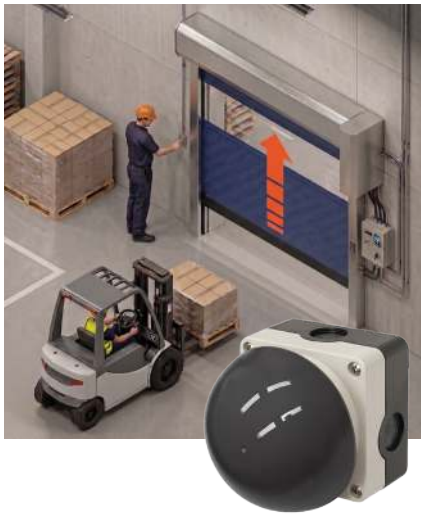




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A remote control (with transmitter and receiver) offers the possibility of selective operation. Only those persons and vehicles that have a remote control can operate the door. Available with one or several channels.



Induction Loop (Operation / Safety)

An induction loop detector produces a magnetic field. Every metal object within this field is detected. Suitable as a control, but also as an extra security in case of high speed forklift transport.



Radar (Operation / Safety)

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Condor (Operation / Safety)

The condor combines two functions in one device. The radar for detecting moving objects loperation) and an active infrared for detecting stationary objects (safety). Also suitable for out-door use.

ROCKIES HIGH SPEED DOOR FREEZER





The High Speed Freezer Door is specially designed for freezer applications, combining high operating speed with an excellent seal to ensure efficient traffic flow while minimizing temperature fluctuations. An optional insulated curtain is available to further reduce energy costs. The curtain's flexible design and soft bottom edge enhance safety and prevent damage to both door and personnel.

PRODUCT BENEFITS

- **Energy Savin**

The unique Push Pull design delivers the fastest open/close cycles in the industry, minimizing the transfer of warm or moist air and improving refrigeration efficiency. Patented seal technology ensures the tightest seal around the entire door perimeter, further reducing energy loss.

- **Push Pull Operation**

The Push Pull Drive system eliminates the speed limitations of gravity-based doors and removes dangerous rigid components, providing safe and reliable operation even under intensive use.

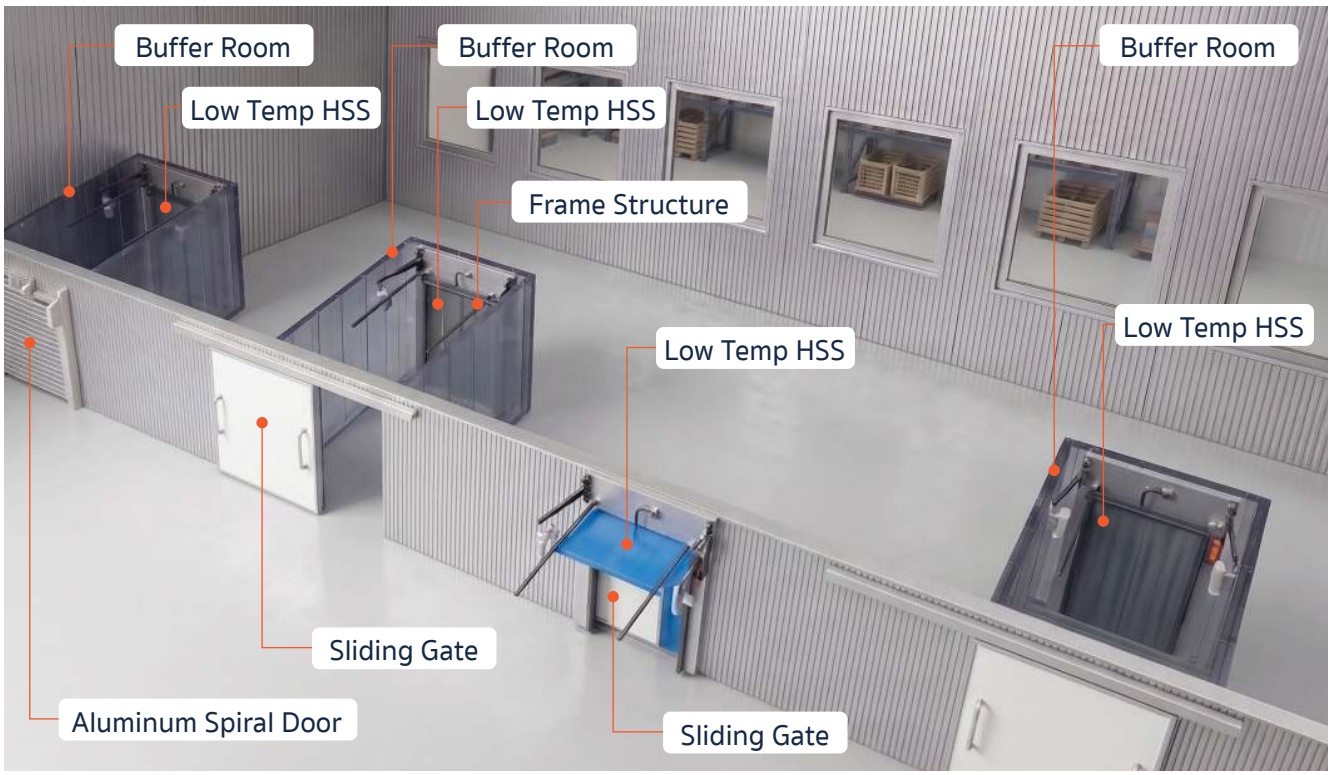
- **Cost Saving**

Equipped with a patented re-insertion system, the curtain automatically returns to its side guides if dislodged, preventing costly downtime and reducing the need for technical intervention.

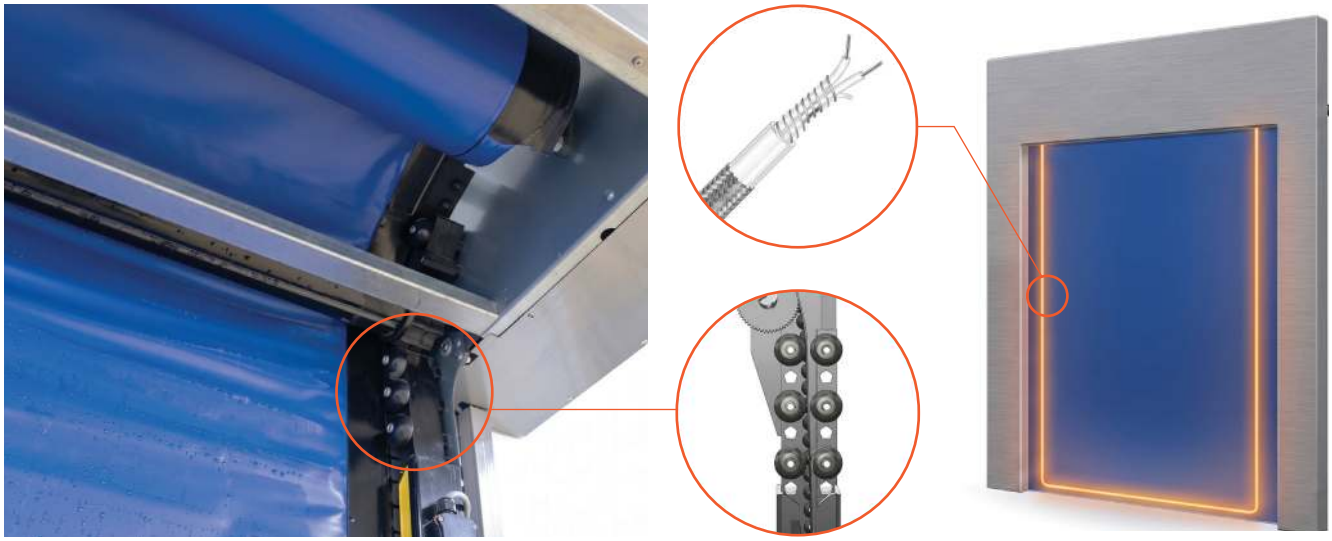
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Max. width (W) 3,000 mm	4,500 mm
Max. height (H)	4,500 mm
Opening speed with frequency control	1.5 m/s
Closing speed with frequency control	0.5 m/s
Door curtain thickness (standard)	1.0 mm
Fabric weight (standard / optional)	900 gr/m²
Motor	0.75 / 1.5 / 2.2 kW
Power supply Frequency	220 V, 1 Ph / 380 V, 3 Ph, 50 Hz



Max. Surface Area	Max. wind Load	Max. Opening Speed
20.25 m²	Class 2	1.5 m/s
W x H = 4500 x 4500	Class 2	with frequency control



TECHNICAL DESCRIPTION



- **Self-Repaired System**

After the door curtain is derailed, it can automatically reset during the rising process; Double shaft lifting system,Increased service life of door curtains

- **Sandwich Construction Curtain**

PU material, good durability
High Wear Coefficient

- **Heating System**

Extruded aluminum side guide, with electrical heating system to avoid freezing





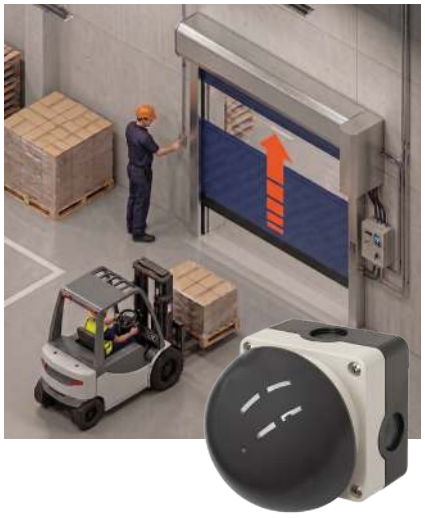


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ROCKIES HIGH SPEED STACKING PVC DOOR

Rockies Stacking PVC Door is designed to exterior application with larger sizes in wind load areas. The strong horizontal wind-resistance bar ensures high performance of the door.By stacking the door curtains with built-in lever design,wind pressure can be distributed uniformly to the whole curtain. Stacking Doors with combined characteristic of great reliability and adjustable operation speed,are widely applied to exterior sites such as logistics passages and large entrances of warehouse and factories.



PRODUCT BENEFITS

- **Wind Resistant**

Withstands up to Class 5 wind loads (EN 12424) or at least 13 Beaufort, ensuring reliable performance in harsh weather.

- **Durable Construction**

Guide columns and drive are fully enclosed in watertight steel caps, making the door suitable for outdoor installation.

- **Enhanced Safety**

Equipped with standard
Opto-sensors in the lower beam that immediately stop or reverse the door on contact, plus safety photocells for secure operation.

- **Effective Draught Sea**

Soft rubber profile at the bottom beam prevents air leakage; optional draught brushes are available for additional sealing.



Operation



Belt

Properties	Model Rockies
Max. surface area (W x H)	36 m²
Max. width (W) 3,000 mm	6,000 mm
Max. height (H)	6,000 mm
Opening speed with frequency control	0.9 m/s
Closing speed with frequency control	0.9 m/s
Door curtain thickness (standard)	900 gr/m²
Fabric weight (standard / optional)	yes
Motor	0.75 / 1.5 / 2.2 kW
Power supply Frequency	220 V, 1 Ph / 380 V, 3 Ph, 50 Hz



Max. surface area	Max. wind load	Max. opening speed
36 m²	Class 4	1.1 m/s
W x H = 6000 x 6000	Class 4	with frequency control





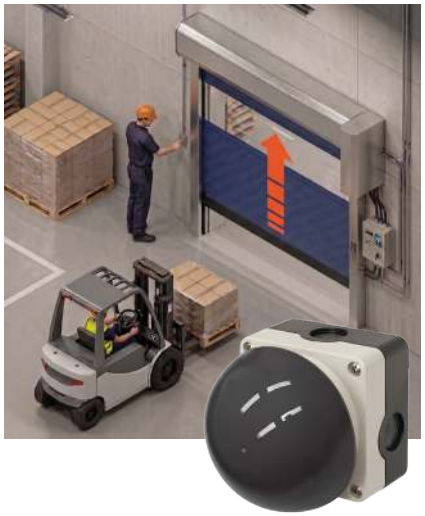


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ROCKIES HIGH SPEED ALUMINUM SPIRAL SHUTTER DOOR



Rockies High Speed Aluminurn Spiral Shutter is the globally unique result under innovation and creative approach to the latest technology

The outstanding advantage of Spiral doors is Engergy Saving. Since the desired temperature (warmth or cold) is maintained through the fast opening and closing speed, the heat loss stays low.

The doors achieve the incredible top speed at 2.0m/s during operation,to apply to industrial site which requires to eliminate draughts, keep temperature zones constant and dampen noise.

PRODUCT BENEFITS

- **High-Speed Operation**

Opens up to 2.0 m/s and closes at 1.0 m/s, allowing fast passage for forklifts and workers. Improves workflow efficiency, keeps the area clean, and reduces energy loss.

- **High-Frequency Performance**

Driven by a frequency motor with soft start/stop control, ensuring smooth, durable operation up to 2,000 cycles per day, ideal for high-traffic industrial areas.



SPECIFICATIONS

Item	Specification
Applicable location	both interior and exterior
Max dimension	Width: up to 6,000 mm Height: up to 6,000 mm
Max opening Speed	2.0 m/s
Max closing speed	1.0 m/s
Wind resistance	up to level 12 (≈117 km/h)
Power supply	220–240V / 380–415V, 50/60Hz
Protection level of electric	IP54
Door panel	40 mm insulated aluminum panel (PU filled)
Frame material	High-strength aluminum alloy
Lifting way	Spiral or Helix track

SPIRAL SHUTTER PANEL



ARF40N

- Panel Type: Roll forming with PU
- Total Thickness: 40 mm
- Material: Aluminum sheet
- Material Thickness: 0.70 mm
- Covering Height: 185 mm



ARF40F

- Panel Type: Roll forming with PU
- Total Thickness: 40 mm
- Material: Aluminum sheet
- Material Thickness: 0.70 mm
- Covering Height: 210 mm



ARF50N

- Panel Type: Roll forming with PU
- Total Thickness: 50 mm
- Material: Aluminum sheet
- Material Thickness: 0.70 mm
- Covering Height: 230 mm



EA40NH

- Panel Type: Extruded Aluminum
- Total Thickness: 40 mm
- Option: PU foamed
- Material Thickness: 1.2 mm / 2.0 mm
- Covering Height: 180 mm



EA40NF

- Panel Type: Vision Window
- Total Thickness: 40 mm
- Material: Aluminum with PC panel
- Material Thickness: 2.0 mm
- Covering Height: 180 mm

COLOR OPTION

White | Grey | Silver | Gold Matallic

Red | Yellow | Brown | Blue

PRODUCT FEATURES



- **Thermal insulated and high strength**

The door slat is made from double skin aluminum sheet filled with high density PU foam. Total thickness reaches 43 mm

Thermal insulation
Special cold-bridge design, cutting off the heat transmission route. It can help keep temperature inside the room.

High wind-resistance
benefiting from its aluminum material and reinforcing curving design, the door can windstand wind up to 120 km/h.

Safety protection
it can prevent outside people and protect the warehouse from theft and robbery.

- **Optional Colors**

We supply nine different colors for your choice. You can make a free selection among them. Our doors can integrate into your whole building design and make the building harmony and beautiful.



Grey Red Orange Champagne Yellow White Blue Silver Coffee

- **Clear Window (optional)**

Transparent windows can be made at human eye height. Its material is polycarbonate window with ultraviolet sunlight-resistance. This makes it easy to see what is happening at another side of the door. It will be more safe for a busy area with moving workers and forklifts or other vehicles.



The window can be in two or more rows of full length.



The whole door can be also full transparent like right photo.

- **Motor**

Italy servo technology brake motor, with better stability and quicker response than traditional frequency motor



Flexile Torque Control System:
The output torque of motor keeps changing according to running speed and load automatically. This avoid over-heating and over-load after long time use, and make sure the door work longer life.

- **Control System**

Italy servo technology control system







User friendly Human-machine interface system
The LED display shows all parameters and settings in English, allowing easy adjustments similar to using a smartphone. Even first-time users can operate the door comfortably.

It features a built-in fault diagnosis program that displays error information when problems occur. Additional input/output signals enable integration with production lines, robots, conveyors, or other machines.

- **Guide Rail**

The door uses an aluminum alloy profile rail with a smooth anodized surface. Door panels run on separate wheels without contact, preventing friction. The standard Archimedes spiral rail ensures smooth, constant-speed movement, reducing wear and extending service life.



For sites with limited headroom, three rail options are available:
Standard spiral: for normal installations
Oval spiral: for spaces with over 500 mm clearance
Low-lintel rail: for spaces under 500 mm



Frame and top cover

We offer two choices of material for side frame and top cover.
Standard: Powder coated galvanized steel, with high rust-proof performance and mostly used.

Option: 304 stainless steel, food-grade material, fit for high standard food or pharmaceutical industry.



1 Coupling
2 Cross Beam
3 Guide Rail
4 Control Cabinet
5 Door Panel
6 Airbag (Bottom Seal)

Operation Devices

1 **Wall mounted control buttons at both sides:** standard for every door.

Below devices are additional and optional.

2 **Auto radar sensor at both sides:** It can detect all coming objects including humans and vehicles or anything else, and make the door open automatically.

3 **Magnetic vehicle loop detector at both sides:** It will only detect vehicles like forklift, and will not detect humans or other non-metallic objects.

4 **Remote control:** two pcs remote control for each door.

5 **Pull cord switch at two sides:** It is fit for forklift use in special cases where auto sensor is not fit to avoid unnecessary door opening, like cold room.



Standard: Control buttons at two sides



Optional 1: Remote control



Optional 2: Redar sensor



Optional 3: Vehicle detetor

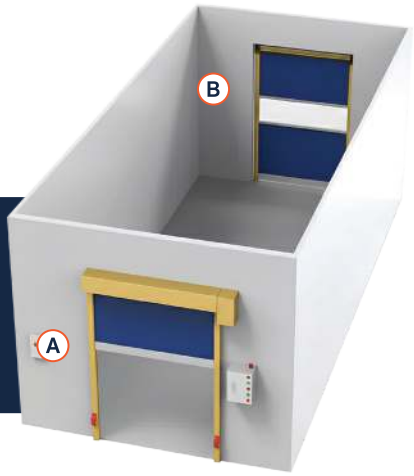


Optional 4: Pull-switch

Interlocking Control

We have input the interlocking function in every door. When necessary, any two doors can be interlocked.

Door A and Door B are installed at two ends of the passage. When door A opens, Door B will never open. Only after Door A closed, Door B can open. Thus, at any time, there is at least one door keep closed. So the outside air and dust will never be able to enter the room.



Multiple Safety Device

In every door, there are three safety protection devices, to improve safety level in daily use and avoid accidents.



Safety photo sensor

The sensor can send a infrared light beam from one side to another. When it is blocked by passing human or vehicles, the door will immediately stop or get up. Thus it aims to avoid accident.



Safety airbag sensor

It is a soft rubber airbag at the bottom. If something touches the bottom, the door will stop or get up. So it aims to stop accident once it happens.



Alarm lamp

It gives out light flash signal or sound signal when the door running. Passing workers or vehicles can easily get aware that the door is working and take special care to avoid accidents.

Emergency Manual Opening Device

In emergency cases, like power failure, our doors can be manually opened with manual device easily.

Motor brake release handle: It is used to release the motor brake by hand.

Balance weight spring: It can help lift the door panel up.



ROCKIES OVERHEAD SECTIONAL DOOR



Overhead Sectional Doors are ideal for factories, warehouses, offices, and high-traffic facilities. They feature three main components: door panels, track system, and torsion mechanism. Panels may be finger-protection sandwich, transparent, or a combination, with optional windows or pedestrian doors based on ceiling height and design. These doors offer safety, reliability, advanced technology, and customization.

TECHNICAL DESCRIPTION

Specification	Details
Applicable location	both interior and exterior
Frame material	Galvanized steel , aluminum, or insulated panels
Insulation	Polyurethane foam (optional)
Panel Thickness	42 - 100 mm
Max dimension	(W) 8000 x (H) 8000 mm
Wind resistance	Beaufort scale 12 (32m/s)
Power supply	1-phase 220±10%V,50/60HZ, or 3-phase 380±10%V,50/60HZ
Protection level of electric	IP54
Finish	Standard RAL colors or custom finishes available
Operation	Manual or motorized
Safety Features	Foot step handle, cable break protection, and spring break protection
Wind Resistance	Up to Class 5 (EN 12424)

RAL 1015 | RAL 3000 | RAL 5010 | RAL 6005 | RAL 6009 | RAL 7016

RAL 8017 | RAL 9002 | RAL 9005 | RAL 9006 | RAL 9007 | RAL 9016

MODEL AND PANEL



Manual Operation System



Electric Motor Operation

KEY COMPONENTS AND SAFETY FEATURES

The safety features include cable break protection, spring break protection, finger protection with a footstep handle, and clear windows that allow visibility for enhanced workplace safety.



Built-in Wire Rope
Enclosed to prevent accidental pinching.



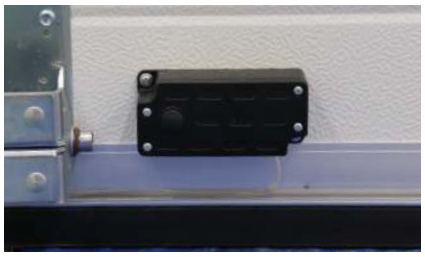
Chain Hook
Special hook for manual chain, allowing easy and convenient storage.



Closed Track Design
Detachable tracks for safety, easy replacement, and low maintenance.



Electrophoretic-Coated Torsion Spring
Corrosion-resistant for damp and cold environments.



Wireless Airbag
Eliminates spiral cables for safer operation.



Single Side Hinge
Ensures smooth operation and secure door closure.



Spring Break Safety Device
Prevents the door from falling if a spring breaks.



Cable Break Safety Device
Prevents the door from falling if a cable breaks.



Safety tracks
Safety tracks prevent roller derailment, with an enclosed cable for extra safety.



Spring buffer
Ensures reliable door lowering with a spring buffer tailored to the door configuration.



Safety
Cable and spring break devices prevent sudden drops for safe, reliable operation.



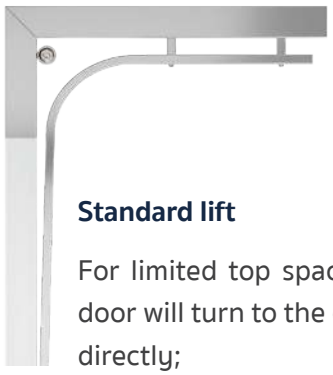
Electrical supply
Power supply 380 V 3 PH 50 HZ 0.37 kW 16A

ADVANTAGE

- **Thermal Efficiency:** Maintains temperature and saves energy.
- **Durable:** Strong, low-maintenance, long service life.
- **Space-Saving:** Overhead design maximizes space.
- **High Lift:** Easy access for large vehicles.
- **Customizable:** Fits specific project needs.
- **Comfortable:** Insulated for quieter, safer operation.

CONTROL AND OPERATION

Flexible design to suit any project, allowing the door to open in various ways to match specific site conditions.



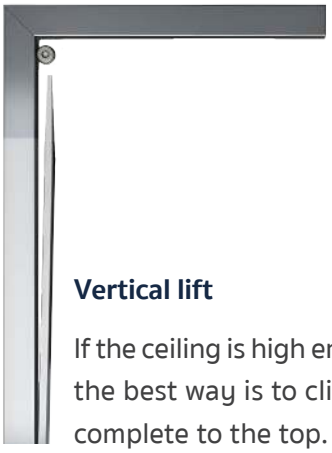
Standard lift

For limited top space, the door will turn to the ceiling directly;



High lift

The door can climb up the wall for some distance and then turn to the ceiling;

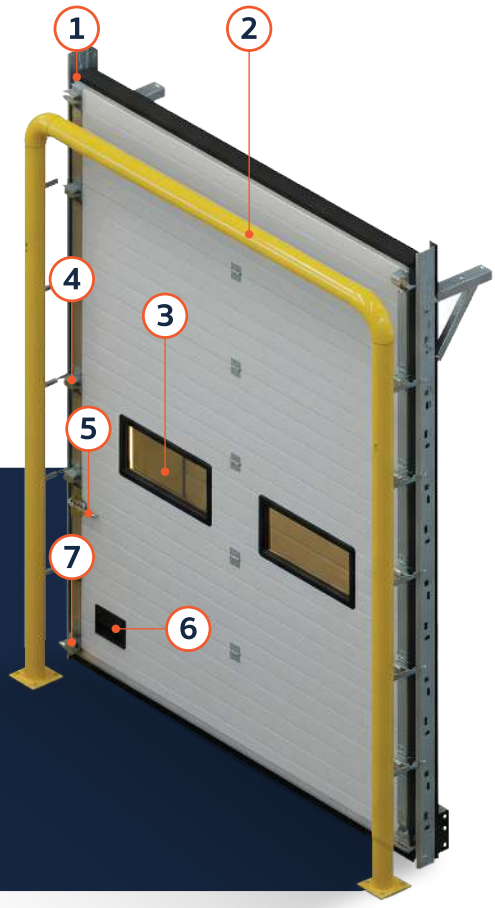


Vertical lift

If the ceiling is high enough, the best way is to climb up complete to the top.

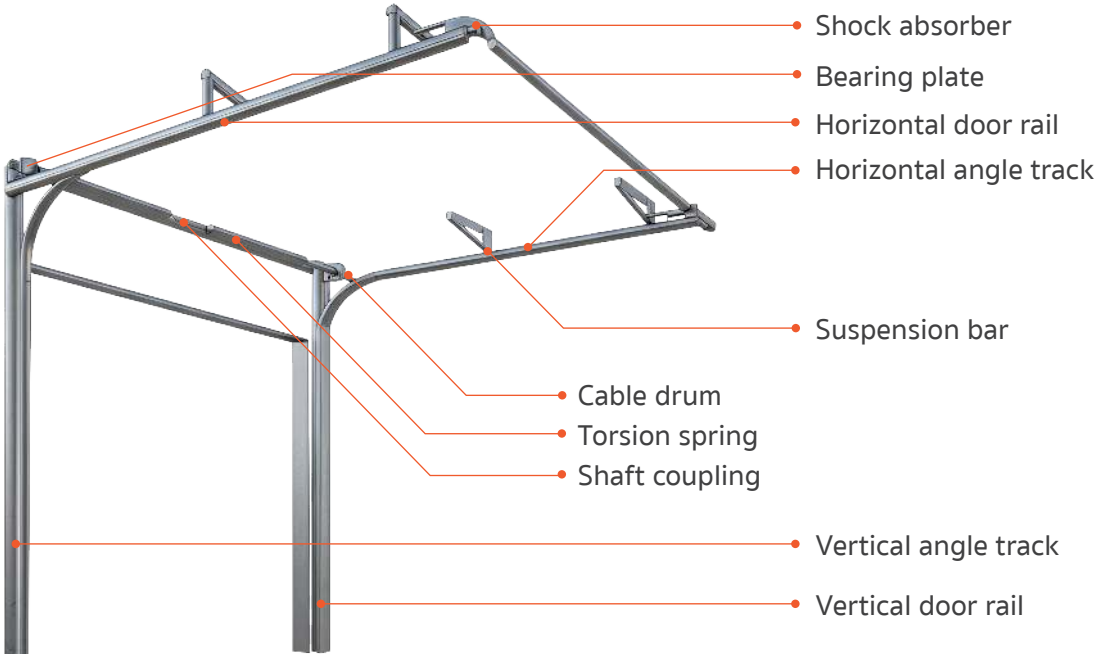
PRODUCT CHARACTERISTIC

1. Top hinge
2. Intermediate hinge
3. Fixed frame window
4. Side hinge
5. Lock
6. Door handle
7. Bottom Bracket



PRODUCT BENEFITS

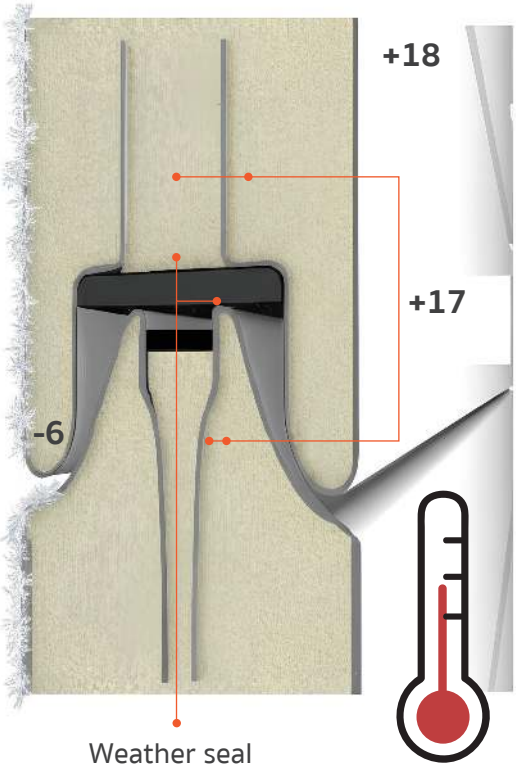
- Suitable for industrial buildings, warehouses, and cold rooms
- Excellent thermal insulation with 42 mm sandwich panels and fire-retardant PU foam
- Cold-bridge joint prevents heat transfer
- EPDM seals ensure airtightness, cleanliness, and chemical resistance



DOOR PANEL



The 42 mm thick sandwich panel consists of 0.326 mm galvanized steel sheets and a high-density, fire-retardant polyurethane foam core (1–14 kg/m²). Its special cold-bridge joint design prevents heat conductionand provides a thermal insulation ratio of 4.5 W/m·h, making it suitable for cold rooms and warehouses.





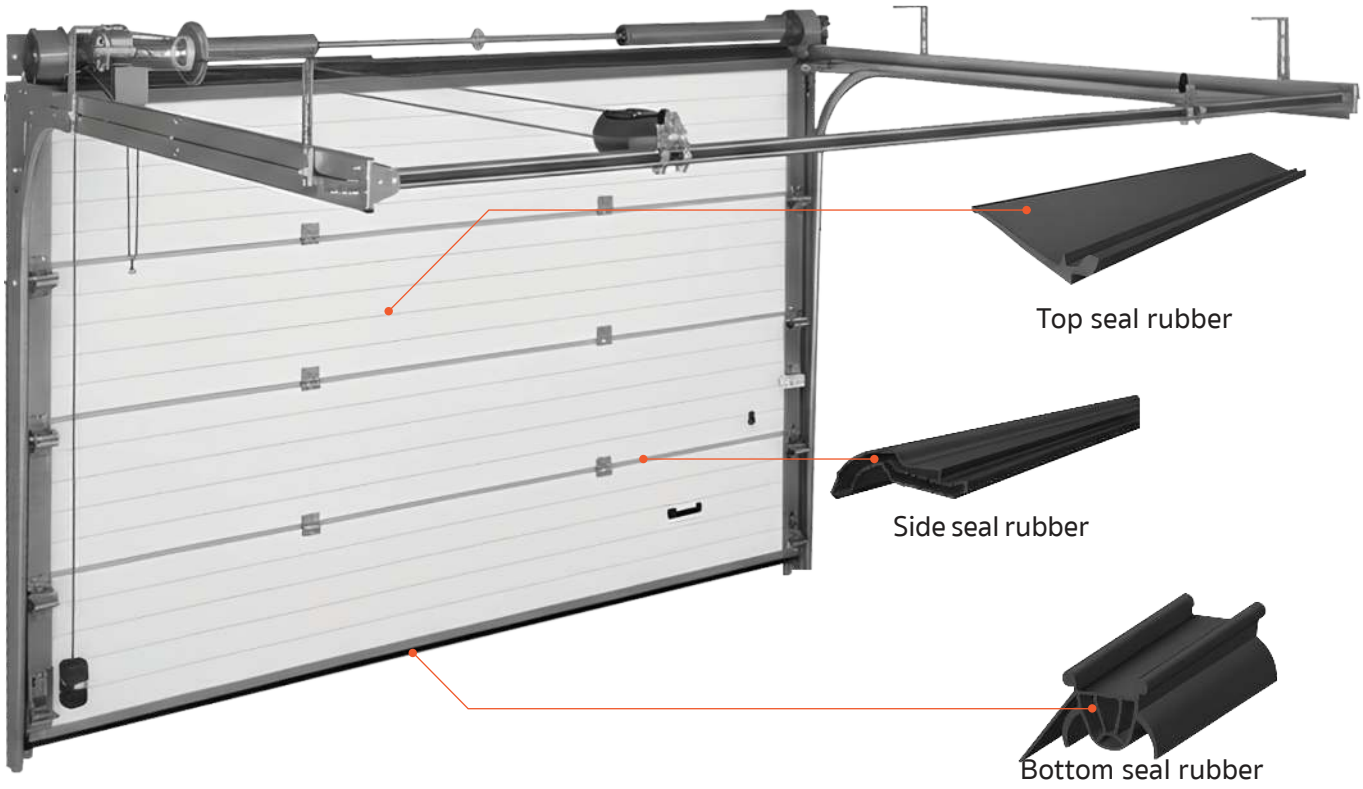






HIGH AIR-TIGHTNESS

The entire perimeter of the door is sealed with EPDM weatherproof rubber, which is resistant to cold and chemicals. This durable material maintains its shape even after years of use, ensuring excellent air-tightness for the entire door. It effectively prevents outside air and dust from entering, keeping the interior clean and hygienic.



OPTIONAL PARTS

You can choose to add clear windows or a man door to your sectional door.



Clear Window
All ows visibility to the other side of the door, enhancing workplace safety.

Man door
Suitable for large doors with frequent foot traffic, reducing the need to open the main door and extending its service life.

ROCKIES INDUSTRIAL ROLLER DOOR



The Rockies Industrial Roller Door is engineered for demanding industrial environments that require high-frequency operation and reliable performance. Constructed with premium-grade materials, it provides exceptional durability and long-term resistance against wear and impact, ensuring both security and smooth operation.

Designed for versatility, the door can be operated manually via a chain hoist or through an electric motor system, depending on site requirements. The electric option typically includes a hold-to-run wall-mounted control box, offering safe and convenient operation.

Built to meet modern industrial standards, the Rockies Industrial Roller Door delivers a robust, efficient, and dependable solution for factories, warehouses, and logistics facilities.

COMMON APPLICATIONS

The Rockies Industrial Roller Door is designed to perform reliably across a wide range of industrial and commercial environments. Its strength, durability, and smoot operation make it suitable for various applications, including:

- **Industrial Facilities**
  Ideal for high-traffic areas where consistent performance and safety are essential.

- **Factorie**
  Provides secure and efficient access for production areas, loading bays, and material transfer zones.

- **Warehouses**
  Ensures fast and smooth door operation to improve workflow and maintain environmental control.

- **Hangars**
  Suitable for large openings, offering durable protection against wind, dust, and external elements.

- **Commercial Workshops and Garages**
  Enhances accessibility while maintaining safety and professional appearance.

- **Storage Units**
  Protects valuable goods and equipment with robust construction and reliable sealing.

- **Farm Buildings**
  Withstands harsh outdoor conditions and provides easy access for agricultural machinery and supplies.

STANDARD ROLLER SHUTTER DOORS

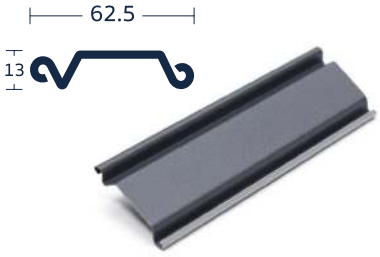
Roller Doors with high-strength galvanized steel slats. It is wind-resistant and suitable for all kinds of factories, commercial buildings, and garages.



TECHNICAL DATA

Applicable location	both interior and exterior
Maxdimension (WxH)	8000 x 8000 mm
Power supply	1-phase220±10%V,50/60HZ, or 1-phase 380±10%V,50/60HZ
Slat	Galvanized steel, 0.7,0.8mm, 1.0mm, 1.2mm ,16 thick
Availablecolors	Grey
Work power	370W to 1500W

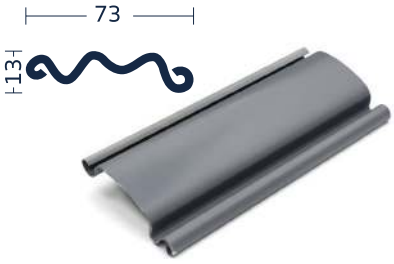
Item	Data	Reference photos
Max Size (WxH)	6000 x 6000 mm	
Actual Size	Customized as orders	
Slate	• Material Aluminum alloy • Thickness: 0.8-1.2 mm • Double skin: hollow or filled with polyurethane	 



Single-Corrugated Standard



Single-Corrugated Large



Single-Corrugated Jumbo

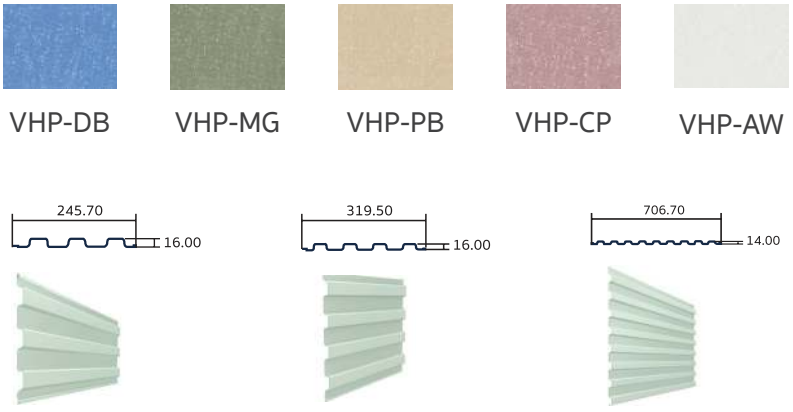


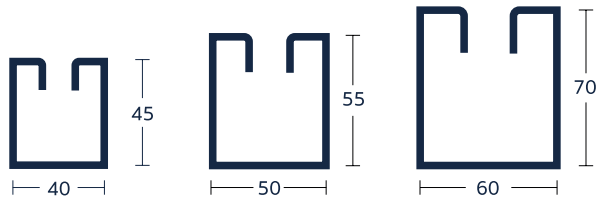
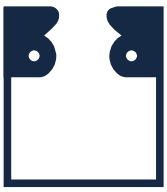
Single-Corrugated Special



Double Corrugated

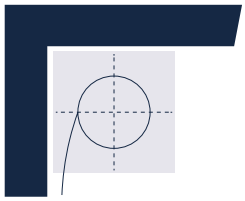
MATERIAL SPECIFICATION

Material	Gauge	Thickness	Colour Code
Aluminum	•	6.70 mm	 VAL-67  VAL-93, VAL-96
		9.70 mm	
		5.60 mm	
Stainless	19	1.00 mm	 VSL-19
	21	0.80 mm	 VSL-21
	23	0.40 mm	 VSL-23  VSL-D23
	Double	0.50 mm	 VSL-23
Polycar Bonate VPL	•	3.00 mm	 VPL-1  VPL-2
		2.60 mm	
High Speed VHP	3, 4, 8	0.47 mm	

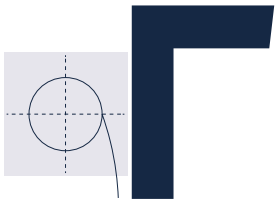
Guide Side (mm)	
Standard door track characteristics Door track	
	
Automatic door track	Door rail with rubber edge



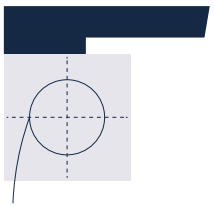
INSTALLATION CHARACTERISTIC **of the rolling steel door leaf storage box**



The Rolling steel door leaf storage box is inside the building.

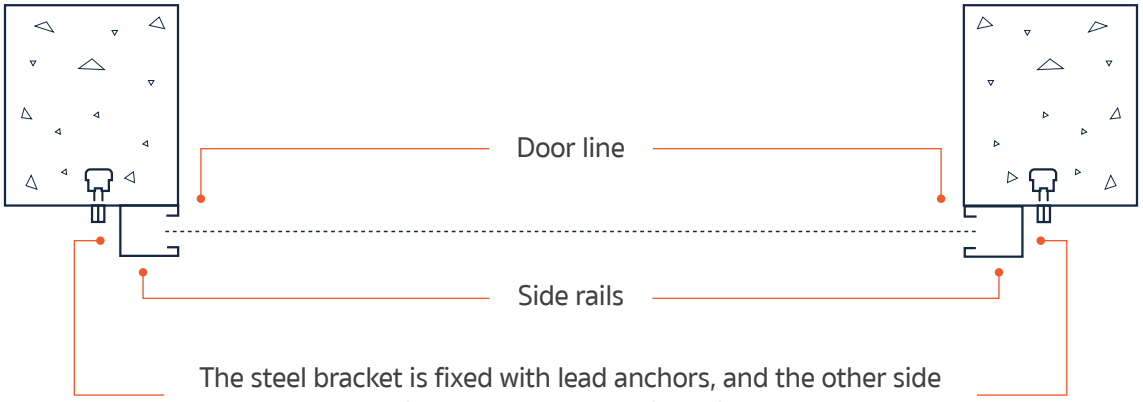


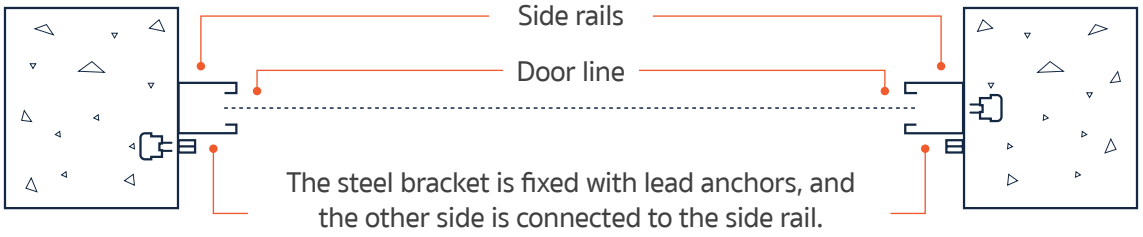
The Rolling steel door leaf storage box is outside the building.

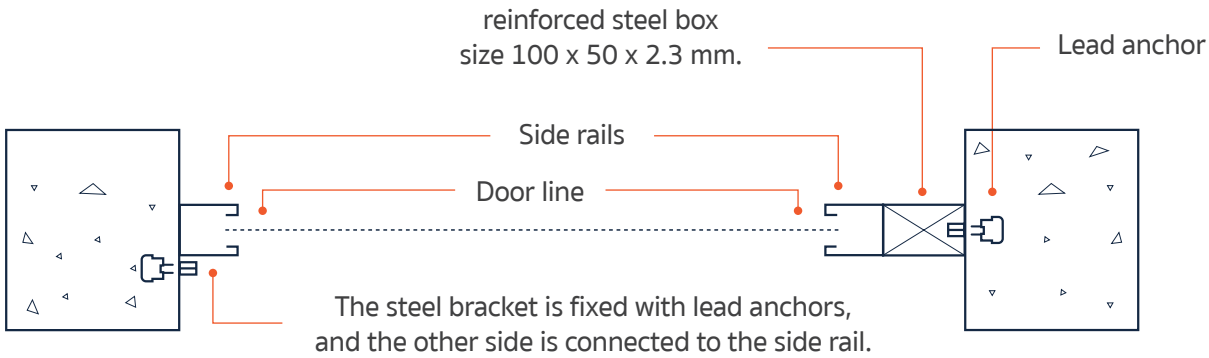


The rolling steel door leaf storage box is under the structure.

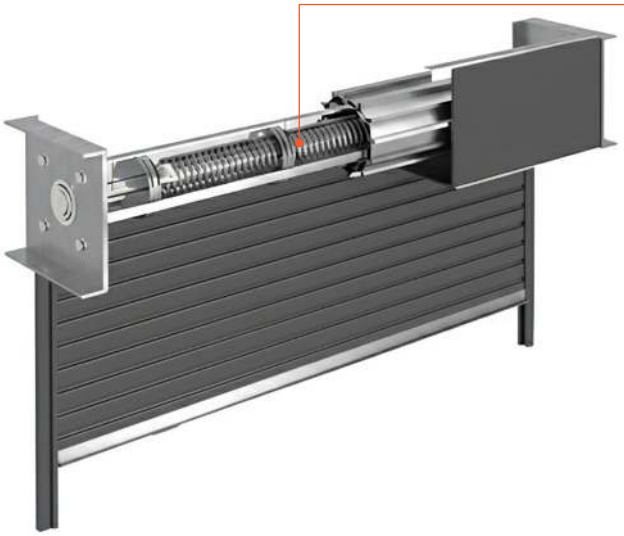
EXTENDED INSTALLATION OF DOOR SIDE RAILS





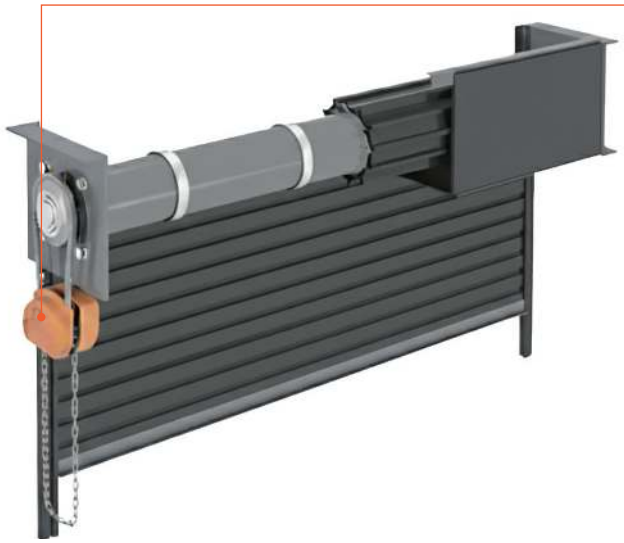


TYPES OF ROLLING SHUTTERS



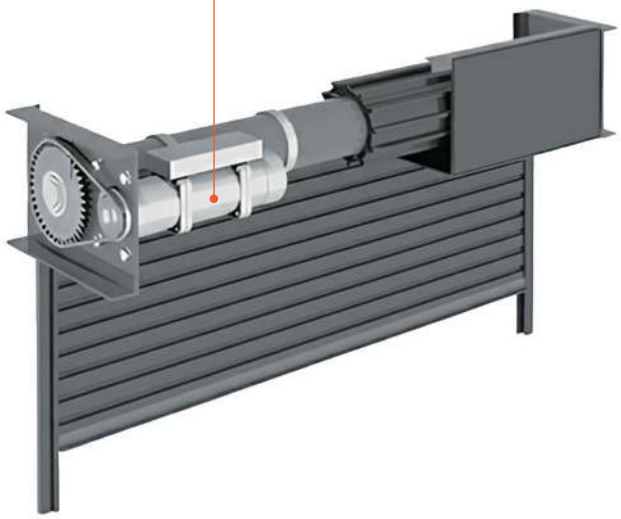
Manual Operation

Suitable for doors with a maximum width of 4 meters and a height of up to 3.50 meters, with an average door weight not exceeding 120 kilograms. For doors wider than 4 meters, it is recommended to divide them into sections, each not exceeding 4 meters, and install a removable central post to ensure strength and convenience of operation.



Chain Operation

Suitable for doors with a maximum width of 6 meters and a height of up to 5 meters, with a total door weight not exceeding 350 kilograms. This chain-operated system allows the door to be opened and closed from a single point, either inside or outside the building. It is recommended to have an additional access door, or alternatively, a small wicket door can be integrated within the main rolling shutter for convenient entry and exit.



Motor Operation

Equipped with a powerful motor, this system can support a rolling steel door weighing up to 2,300 kilograms, making it ideal for buildings that require a single large or small door. It is suitable for doors with a maximum width of 10 meters and a height of up to 10 meters. In the event of a power failure, an emergency chain system allows for safe and convenient manual operation. To close the door, simply release the brake, and the door will lower smoothly and securely.

Additional Accessories:

- Remote Control
- Safety Device (Auto Stop System)

MOTOR DRIVE SPECIFICATION





Model	RB-600-1P	RB-800-1P
Rated Voltage	220 V/AC	220 V/AC
Rated Frequency	50 Hz	50 Hz
Input Power	710 w	920 w
Rated Output Torque	412 N.m.	647 N.m.
Rated Lifting Capacity	600 kg	800 kg
Lifting Height	6 m	7 m
Output Speed	5.4 RPM	4.0 RPM
Ambient Temperature Range	-20°c - +50 °c	-20°c - +50 °c
Product Name	Rolling Shutter Motor	Rolling Shutter Motor

DRIVE UNIT ALL COMPONENT



OPERATING & CONTROLLING OPTIONS



Finger Scan



Push Botton



Push Switch



Sensor



Motor



Chain Hoist



Manual Crank

ROCKIES SLIDING DOOR



Operates laterally to save space, making it ideal for confined areas or large cold storage openings. The smooth and durable design ensures easy operation and excellent temperature retention in food, logistics, and pharmaceutical applications. Its robust structure provides reliable performance even under frequent use, while the tight sealing helps prevent frost buildup and maintain optimal energy efficiency.

PRODUCT BENEFITS

- **Superior Insulation Performance**

Effectively minimizes cold air loss, maintains stable internal temperatures, and optimizes energy efficiency.

- **Space-Saving Design**

The lateral sliding system eliminates the need for side clearance, making it ideal for confined areas.

- **Low Maintenance**

A simple and durable sliding mechanism ensures reliable operation, minimal downtime, and easy upkeep.

- **Customizable Options**

Available in single or double-leaf configurations to suit different cold storage requirements.

- **High Impact Resistance**

Built to endure frequent operation and impacts from handling equipment, ensuring long-lasting durability.

- **Smooth Operation**

Precision-engineered sliding rails provide effortless opening and closing with stable, quiet movement.



ROCKIES SWING DOOR

The Rockies Swing Door is the most practical and widely used cold storage door, engineered with a robust construction for long-lasting durability and reliable daily operation. Its superior insulation and sealing performance help maintain stable temperatures while reducing energy consumption, making it an ideal solution for food processing plants, cold chain logistics, pharmaceutical facilities, and other temperature-controlled environments.











PRODUCT BENEFITS

- **Superior Insulation**
  Minimizes cold air loss, maintains stable temperatures, and improves energy efficiency.
- **Excellent Sealing**
  High-quality sealing strips reduce air leakage for consistent temperature control.
- **Low Temperature Resistant**
  Designed for cold environments with hardware and components that resist deformation and damage.
- **Flexible Installation**
  Available in single- or double-leaf designs to suit various cold room applications.
- **Wide Range of Applications**
  Suitable for small to medium-sized cold storage rooms across multiple industries.
- **Cost-Effective**
  Provides outstanding durability and reliable performance at an economical price.

ROCKIES ONE-PIECE COLD STORAGE DOOR

Door is engineered for superior thermal insulation, durability, and space efficiency in temperature-controlled environments. Its one-piece insulated panel structure ensures reliable sealing performance, effectively minimizing cold air loss and maintaining stable internal temperatures.

Available in Sliding, Hinged, and Lifting models, each type is designed to suit different spatial and operational needs



PRODUCT BENEFITS

- **Excellent Thermal Insulation:** Maintains stable internal temperatures efficiently.
- **Energy Saving:** Reduces cold air loss and minimizes power consumption.
- **Space Efficiency:** Compact design suitable for limited areas.
- **Durable Construction:** Built with robust materials for long-lasting performance.
- **Reliable Sealing:** One-piece structure prevents air leakage.
- **Smooth Operation:** Easy to open and close with minimal effort.
- **Versatile Design:** Available in Sliding, Hinged, and Lifting models.
- **Low Maintenance :** Simple structure for easy cleaning and upkeep.
- **Customizable Options:** Adaptable to various cold storage applications.
- **Enhanced Hygien:** Seamless surface prevents dirt accumulation.

MAIN FUNCTION

- **Durable and Long-Lasting**

Built from high-strength materials, the door delivers reliable performance across various cold storage and industrial environments.

- **Energy-Saving Performance**

Effectively reduces heat loss and cold air leakage, helping lower energy consumption and operational costs.

- **Flexible and Adaptable**

Fully customizable to meet diverse cold storage and industrial needs, compatible with multiple application settings.

APPLICATION

- **Food Cold Storage**

Storage of meat, fruit, vegetables, and dairy products

- **Pharmaceutical Cold Storage**

Constant temperature storage of vaccines and pharmaceuticals

- **Logistics Cold Chain Warehousing**

Cold chain transportation and distribution centers

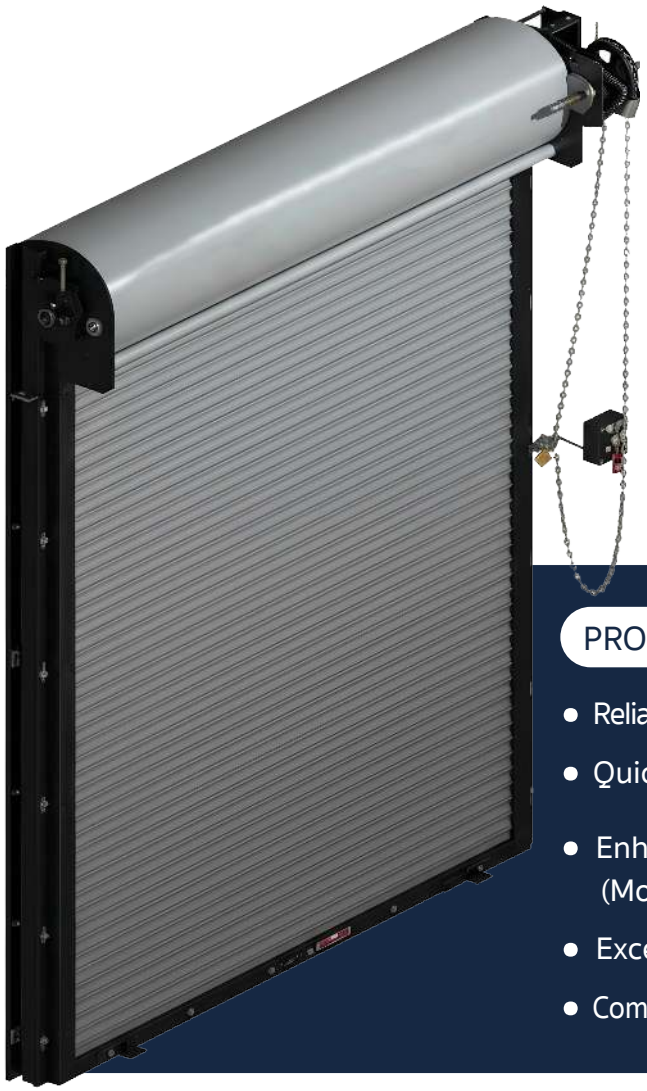
- **Industrial Refrigeration Workshops**

Constant temperature and humidity workshops, cold storage

ROCKIES ROLLER FIRE-RATED DOORS

The Rockies Rolling Fire Door Collection delivers advanced fire protection while maintaining safety, durability, and modern design. Designed for industrial and commercial applications, these doors provide reliable operation and compliance with strict fire safety standards. The Insulated Fire Door (Model 635) enhances thermal efficiency, climate control, and sound insulation, featuring an R-value of 4.5, Smoke and Flame Index of 5, and STC 21. All models include an innovative floor reset system for quick drop testing and mechanical resetting without special tools.





ADVANTAGES

- Robust construction suitable for high-use applications
- Wide size range (up to 24’ x 24’)
- Optional motorized operation available (RHX®, RSX®)
- Flexible installation: face-of-wall or between-jamb mounting
- Variety of finishes and powder coat colors, including PowderGuard® premium and weathered finishes
- Wind load options meeting Florida Building Code, Miami-Dade, TDI

PRODUCT BENEFITS

- Reliable fire protection for industrial and commercial spaces
- Quick and easy maintenance with floor reset system
- Enhanced thermal insulation and climate control (Model 635)
- Excellent sound insulation (STC 21 for Model 635)
- Compliance with NFPA 80 and other fire safety standards



STANDARD FEATURES

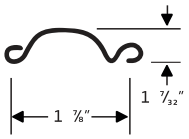
Technical Data	
Application	Exterior / Interior for fire-rated walls
Operation	Non-motorized, mechanical floor-resettable hoist with viscous governor
Mounting	Face of wall (between jambs optional)
Models	630 – Standard fire door, 631 – Smaller fire door 634 – Fire door up to 24’ x 24’, 4-hour UL rating, 635 – Insulated fire door
Drop Speed	Meets NFPA 80 requirements of 6” to 24” per second
Curtain	
Material	Steel slats in a variety of gauges
Finish	Baked-on polyester top coat in Gray, Tan, White, or Brown
Guides	Three steel angles (some structural, some roll-formed)
Bottom Bar	Steel double angle
Counterbalance System	
Counterbalance	High-tensile helical torsion spring housed in a steel tube or pipe
Brackets	Steel plates supporting the counterbalance, curtain, and hood
Limited Warranty	2-year material and workmanship, 1-year labor

COLOR OPTIONS

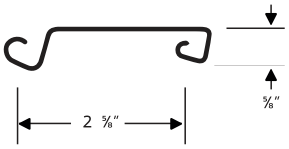
PowderGuard Premium powder coat paint finish is available in 197 colors, or may be color matched to architect’s specifications to best complement the look of the facility. PowderGuard Zinc and PowderGuard Weathered finishes are also available.

White | Grey

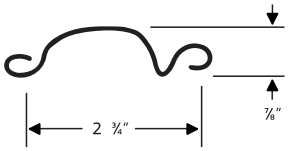
Tan | Brown



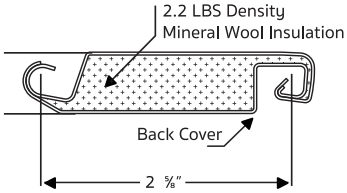
C-187 Slat



F-265 Slat



C-275 Slat



F-265i Slat

630 FACE-OF-WALL MOUNTED

Slat	OW (Opening width)	Standard	Optional
C-187	Thru 14'0" (4267 mm)	22 ga.*	20 or 22 ga. ss
	Thru 20'0" (6096 mm)	20 ga.	18 or 20 ga. ss
C-275	Thru 14'0" (4267 mm)	22 ga.*	20,18, 16 ga. or 22, 20 ga. ss
	Thru 20'0" (6096 mm)	20 ga.	18, 16 ga. or 20 ga. ss
	Thru 41'2" (12548 mm)	18 ga.	16 ga.
F-265	Thru 14'0" (4267 mm)	22 ga.*	20 ga. or 22 ga. ss
	Thru 20'0" (6096 mm)	20 ga.	18 ga. or 20 ga. ss
	Thru 41'2" (12548 mm)	18 ga.	-

634 FACE-OF-WALL MOUNTED

Slat	OW (Opening width)	Standard	Optional
C-187	Thru 20'0" (6096 mm)	20 ga.	18 or 20 ga. ss
C275	Thru 20'0" (6096 mm)	20 ga.	18 or 20 ga. ss
	Thru 41'2" (12548 mm)	18 ga.	16 ga.
F265	Thru 20'0" (6096 mm)	20 ga.	18 ga. or 20 ga. ss
	Thru 41'2" (12548 mm)	18 ga.	-

631 FACE-OF-WALL MOUNTED

Slat	OW (Opening width)	Standard	Optional
C-187	Thru 14'0" (4267 mm)	24 ga.*	-
F265	Thru 14'0" (4267 mm)	24 ga.	-

635 FACE-OF-WALL MOUNTED

Slat	OW (Opening width)	Standard	Optional
F265 with	Thru 24'0" (7315 mm)	24 ga. front	22 ga. front
Back cover		24 ga. back	22 ga. back

Slats are galvanized and painted or stainless steel (ss).

* Maximum wall opening height for 22 ga. is 12'0" (3658 mm).

ROCKIES SLIDE FIRE DOOR

Rockies Fire-Resistant and Smokeproof Sliding Door Systems combine highly functional performance, attractive design, and innovative details. Designed for industrial and commercial buildings, the doors integrate harmoniously into a wide range of architectural systems while providing reliable fire protection and smooth sliding operation.

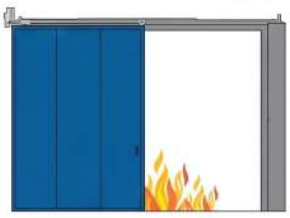


The product is available in the following configurations:

- Fire Rating: EI_2 30, EI_2 60, EI_2 90, EI_2 120
- Construction Types: 1-Leaf and 2-Leaf
- Opening Direction: Left Opening or Right Opening

TYPE OVERVIEW

- **EI_2 30**

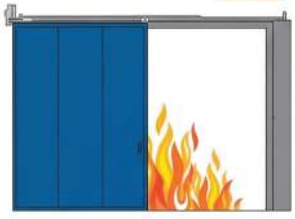


1- Leaf



2- Leaf

- **EI_2 60**

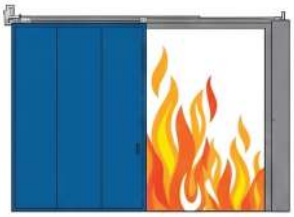


1- Leaf



2- Leaf

- **EI_2 90**

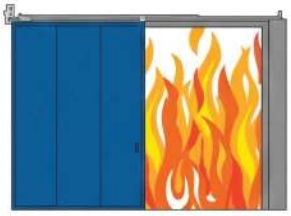


1- Leaf

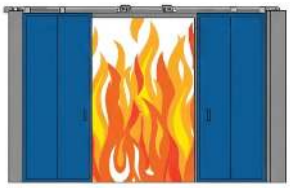


2- Leaf

- **EI_2 120**

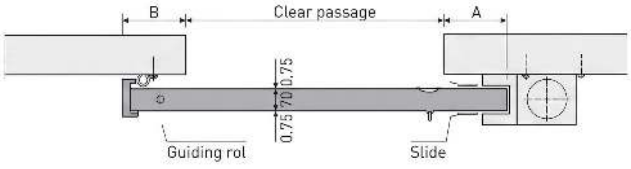


1- Leaf

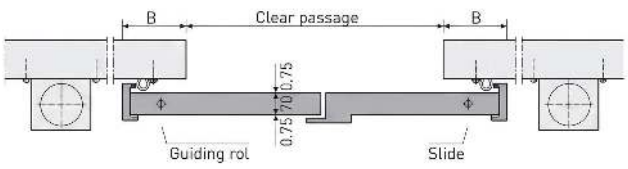


2- Leaf

TYPE OVERVIEW

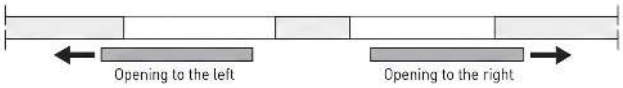


1- Leaf

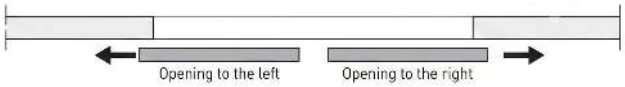


2- Leaf

OPENING TYPES



1- Leaf



2- Leaf

TECHNICAL DESCRIPTION

Each door is manufactured and tested to meet European fire safety standards. Every model corresponds to EN 16034 and EN 13241, and has been tested for its fire-resistant properties in accordance with EN 1634. All single-leaf doors are also certified for the durability of the self-closing action according to EN 12605, achieving 50,000 operating cycles (Class C3). Optional smoke protection classifications include Sa with a 3-sided sealing system and S_{200} with a 4-sided continuous sealing system.

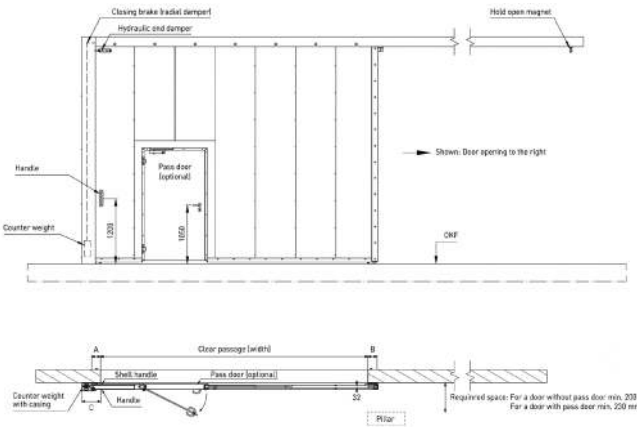
For installation, the supporting wall and fixing system must comply with the required fire classification. The floor within the door area must be constructed from non-flammable materials (Building Material Class A1).

Depending on the installation method, the required headroom is:

- Standard installation: Approx. 250 mm
- Direct ceiling installation: Minimum 150 mm
- Header panel height: 150 mm

PLANNING AIDS

$EI_2$30/ $EI_2$60/$EI_2$90/$EI_2$120 - 1-Leaf Model





PRODUCT BENEFITS

The closed track support roller system provides smooth and reliable door movement, while the adjustable radial damper controls the closing speed between 0.08 and 0.3 m/sec. Certified durability of 50,000 operating cycles (Class C3) ensures long-term performance with minimal maintenance. Optional Sa and S_{200} smoke protection systems further enhance the door's performance in fire safety applications.

SAFETY ITEMS

Safety is achieved through a combination of certified fire protection, controlled closing, and optional automatic operation.

The system includes:

- Fire resistance certified to EN 16034 and EN 13241
- Fire resistance tested according to EN 1634
- Self-closing durability certified to EN 12605
- Adjustable Closing Brake (Radial Damper)
- Automatic closing in the event of fire when equipped with the Hold-Open System
- Hook Lock with spring-mounted catch and key operation

MATERIAL DESCRIPTION

- **Door Leaf**

The door leaf is manufactured from 0.75 mm galvanised specially machined sheet steel with fireproof insulation. Individual full-height panels are bonded to the insulation to create a smooth finished surface. Doors can be manufactured up to 6 metres high without requiring a vertical joint.

- **Seal**

Three-sided labyrinth sealing profiles are fitted as standard, with additional sealing between the individual panels to satisfy minimum Sa smoke protection requirements. An optional S200 four-sided sealing system is also available.

- **Hardware**

The hardware system consists of a closed track with one support roller per panel and individually mounted support brackets for smooth operation. It also includes a hydraulic end damper, galvanised closing weight, internal floor guide, handle, and recessed shell handle. A stainless steel handle is available as an option.

- **Door Panel Surface**

Door panels are supplied with a standard galvanised finish including door-leaf edge profiles. Optional finishes include hinge coating in Pebble Grey (similar to RAL 7032) or powder coating in selected RAL colours, including covers and cladding.



OPTIONS / ACCESSORIES

A wide range of optional equipment is available to suit different project requirements.

- **Pass Door & Smokeproof Pass Door**

Available for EI_2 30 to EI_2 120, the pass door can be supplied in standard or smokeproof versions (S_a or S_{200}). The standard clear opening is 1,000 × 2,000 mm without a lower sill. A sill-free version is also available for suitable wall openings.

Standard hardware includes:

- Door closer (EN 1154)
- Mortice lock (DIN 18250)
- Stainless steel flat handle
- Three-part ball bearing hinges

Optional features include:

- Panic function
- Flush-closing pass door (EI_2 30–EI_2 90)

- **Hold-Open System**

Designed for doors that normally remain open, the system consists of a fire detector, hold-open magnet, and control panel with an integrated release button. In the event of a fire, the door automatically closes. The system can also be connected to the building fire alarm system.

- **Electrical Opening Aid**

The electrical opening aid operates via a dedicated control unit with separate Open and Close buttons. In the event of a fire, the operator is automatically deactivated and the door closes automatically.

- **Hook Lock**

A spring-mounted, key-operated hook lock designed for profile cylinders is available, with an optional dead bolt contact.

- **Butt Ceiling Installation**

For direct ceiling installation, a 150 mm header panel is available.

ROCKIES TRAFFIC DOOR



Rockies Traffic Door is engineered to provide safe, efficient, and reliable access in high-traffic industrial environments where personnel and material handling equipment move continuously throughout the facility. Designed for food processing plants, pharmaceutical facilities, cold storage, and warehouses, the door helps maintain workflow efficiency while providing separation between work areas.

Its heavy-duty construction combines durable wood core panels, reinforced steel components, and high-quality hardware to withstand frequent impacts and demanding operating conditions. With a wide range of hinge systems, impact protection options, and sealing solutions, Rockies Traffic Door offers long-term durability, easy maintenance, and dependable performance for a variety of industrial applications.







TECHNICAL DESCRIPTION

- The door is suitable for clean warehouse workshop passages in the food industry and pharmaceutical industry.
- The sealing strip is made of silicone rubber, suitable for food hygiene applications.
- No fasteners are required during installation, making replacement easy.
- The window can be made of plexiglass with shock and vibration resistance.

PRODUCT BENEFITS

- Easy to open for convenient personnel and goods access.
- Suitable for high-frequency traffic applications.
- Easy installation and replacement without fasteners.
- Shock and vibration resistant vision window.
- Provides thermal separation with perimeter gasket options.

MATERIAL DESCRIPTION



Internal Reinforcement
Tubular steel reinforcement provides extra strength and durability.

Door Panel
Insulated (1-1/2" wood & foam core) or non-insulated (3/4" wood core) construction for heavy or medium-duty applications.

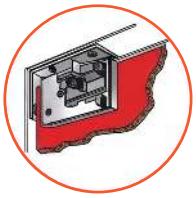
Steel Spine
Reinforces the door edge against heavy impacts. Standard on doors over 36", optional on 36" or less.

Gasketing
Replaceable perimeter gaskets provide a positive thermal seal for heavy traffic. Partially gasketed doors are optional.

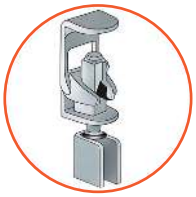
OPTION / ACCESSORIES



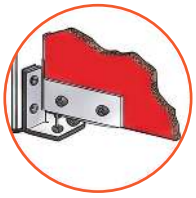
Cross-linked Polyethylene Impact Bumpers provide impact absorption and door protection for high-traffic applications.



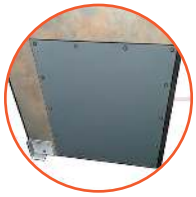
Classic "E" Hinge features a removable cover for easy maintenance.



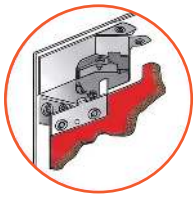
Patented V-Cam Hinging System with a 2500 hinge allows the door to swing 125° in each direction.



Heavy-Duty Bottom Hinge Pin stabilizes the panel within the frame.



Impact Plates are available in stainless steel, galvanized steel, ABS plastic, or Kydex®.



"C" Hinge is easily adjustable by removing the cover and screws.



Lower Hinge Guards are recommended for high-abuse applications.



Surface-Mounted Locks are available for single-panel Chase SC 3000 Series Doors.

ADDITIONAL PRODUCT OPTIONS

- Gate Cafe style hinges
- PVC or extruded aluminum bumper strips
- Hold open device
- Push plates and pull handle

FRP Colors Available for Proline Doors

White | Grey | Beige | Almond

Colors Available for Proline Doors

Forest Green	Jade	Cadet Blue	White	Metallic Gray	Cloud Gray	Chocolate Brown
Red	Med. Brown	Royal Blue	Navy	Black	Beige	Burgundy

ROCKIES PVC SWING DOOR

Rockies PVC Swing Door is designed for demanding environments requiring durability, energy efficiency, and reliable sealing performance. The door features a strong and abrasion-resistant construction with gravity-operated hinge system, providing smooth operation and automatic closing after contact. Suitable for applications such as food processing, industrial, warehouse, cooler, and interior environments.



TECHNICAL DESCRIPTION

1 Wipers

Balloon jamb edge seals with top and bottom two-ply vinyl-coated nylon wipers provide a positive seal.

2 Top Mounted Gravity Hinge

Standard top-mounted gravity hinge opens instantly upon contact and closes automatically by gravity.

3 Windows

Various window configurations are available. Type 50 (centered in each panel) is standard.

4 Door Panel

Two-ply abrasion-resistant belting material with contamination-free construction. Suitable to -30°F. Forest Green only.

5 Leading Edge

3" center overlap provides an effective noise and temperature barrier.

6 Jamb Edge

2" balloon jamb edge provides a superior seal and helps save energy.

OPTION / ACCESSORIES

- Window Options
- Impact/Kick Plates
- Hinge Options
- Color Options

Colors Available for AirGard 200 & Uni-Flex 240

Forest Green	Navy	Red	Black
Med. Brown	Chocolate Brown	Metallic Gray	Royal Blue

Colors Available for AirGard HS

Navy	Red	Black	Med. Brown
Metallic Gray			

ROCKIES PVC STRIP CURTAIN



The PVC Strip Curtain is a cost-effective solution for controlling temperature, dust, insects, and noise in industrial environments such as food factories, warehouses, and cold storage rooms. Made from transparent, flexible PVC, it provides clear visibility and safe passage while maintaining indoor conditions. Easy to install and maintain, the Rockies Strip Curtain system uses hinge-mounted strips on a durable top rail, ideal for doorways or partitions to enhance efficiency and comfort in the workspace.



COLOR OPTIONS

- **Temperature Control**

Helps maintain consistent indoor temperatures in both hot and cold rooms, ensuring efficient climate management.

- **Energy Saving**

Reduces energy consumption and operating costs by minimizing the loss of conditioned air.

- **Dust and Insect Prevention**

Acts as a protective barrier against dust, insects, and other external contaminants in frequently accessed areas.

- **Noise Reduction**

Effectively lowers noise levels between rooms or work zones, creating a more comfortable working environment.

- **UV and Light Protection**

Blocks harmful light and UV rays that may cause eye strain or affect sensitive materials.

- **Operational Efficiency**

Enables quick and convenient movement of people, products, and forklifts, helping to improve workflow and productivity.

• Standard Clear



KEY FEATURES

Clear PVC or Flexible Clear Vinyl offers excellent clarity, flexibility, durability, and impact resistance, making it ideal for industrial and commercial doors and partitions, with features including thermal and noise insulation, chemical resistance, and eco-friendly, long-lasting performance.

Standard Clear smooth	200x2 mm x 50 m 300x3 mm x 50 m	Standard Clear Ribbed	200x2 mm x 50 m 300x3 mm x 50 m

• Anti-Insect Yellow



KEY FEATURES

Crystal Super Polar is ideal for deep-freezer applications and very low temperature environments, offering high insulation, excellent flexibility and resistance to mechanical stress down to –60°C, energy and cost savings, and high clarity, available in sheets, curtains, and panels with rounded edges, reinforcement, and matte finishes.

EXTRA LOW TEMP	200x2 mm x 50 m 300x3 mm x 50 m	EXTRA LOW TEMP RIBBED	200x2 mm x 50 m 300x3 mm x 50 m

• Super Polar



KEY FEATURES

Crystal Super Polar is ideal for deep-freezer applications and very low temperature environments, offering high insulation, excellent flexibility and resistance to mechanical stress down to –60°C, energy and cost savings, and high clarity, available in sheets, curtains, and panels with rounded edges, reinforcement, and matte finishes.

EXTRA LOW TEMP	200x2 mm x 50 m 300x3 mm x 50 m	EXTRA LOW TEMP RIBBED	200x2 mm x 50 m 300x3 mm x 50 m

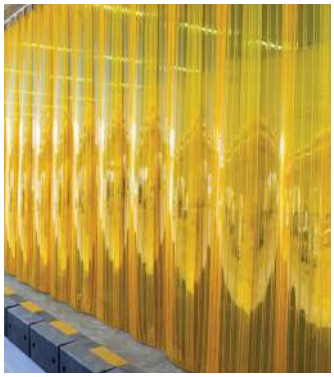
TECHNICAL DATA

Property	Standard	Units	Standard	Description
Light transmittance	ASTM D 1003	%	85	Visible light rate transmitted through the material.
Shore A hardness	EN ISO 868	Sh A	80	Index based on a flat indenter's penetration depth. Scale from O (Soft) to 100 (Hard).
Tearing resistance	DIN 53515	N/mm	50	Minimum tensile stress required to tear a pre-slit sample.
Tensile strength at break	ASTM D 638 EN ISO 527	N/mm^2	16	Maximum tensile stress that a material can be subjected to before break.
Elongation at break		%	340	Elongation of the specimen at the break point undertensile stress.
Residual elong. (after break)		%	68	Permanent elongation of the specimen measured affer rupture in a tensile test.
Themal conductivity	ASTM C 177	W/m.K	0, 16	Abilityto conduct heat. The Lower it is, the more insulation.
Cold bend brittle temp	ISO 8570	°C	-35	Temperature at which the specimen break under torsion stress. Brtle point (CLASH & BERG).
Min. usage temp.	EN 1876	°C	-15	Temperature range where material keep its mechanical properties (flexibility).
Max. usage temp.		°C	+50	
Vicat softening temp.	EN ISO 306	°C	50	Temperature at which the specimen is penetrated to a depth of 1 mm by a 1 kg flat inder of 1 sq. mm.
Specifice heat capacity	ISO 11357	kJ/kg.K	1, 6	Heat energy required to increase the temperature of one kilogram of the material by one degree Celsius.
Sound reduction	DIN 52210	dB	>35	Average sound level (freq. 0.1 to 3,2 KHz) decreased by a 1,76 sq.m. and 5 mm thick PVC curtain.
Reaction to fire	EN 13501 & 1:2007	Class	-	Standard classifications of material self-extinguishing and resistance to combustion.
UV/IR filter	EN 1589 & ISO 25980	-	-	Abilityto fiter welding rays allowing the use of this material as a welding protection screen.
UV resistance	ISO 4892	-	Yes	Abilityto resist to UV (Sun, welding arc).
Surface resistivity	ASTM D257	$.10^{10}$ Ω/□	30	Material surface electric resistivity measured with a 100 V direct voltage.
Water absorption	EN ISO 62	%	-0, 2	Material mass variation after exposure to humid conditions. (40 if released / >O if absorbed)
Anti-insect	-	-	No	Special ability to keep insects away. (Food processing plants, tropical regions)
Density	ASTM D 792	g/cm^3	1, 22	Mass per unit volume.

MATERIAL

The strips are made of extruded transparent PVC and are available in the following qualities:

Normal (N)	to -0°C
freezing room quality (VC). transparency	to -40°C
Transparency	between 83% and 90%
the strips are	flame-retardant
all metal parts are of	stainless steel, galvanize steel
pop rivets	aluminium



DIMENSIONS

Strips are available in the fallowing sizes	
200 mm wide and 2 mm thick	up to 3000 mm height
300 mm wide and 3 mm thick	more than 3000 mm height
For overlapping the strips is a choice of	
for 200 x 2 mm	50, 75, 100 mm
for 300 x 3 mm	75, 100, 150 mm

The overlapping percentage is largely determined by the degree of draught.
The green the overlap, the better the draught sealing.

MOUNTING STRUCTURE REQUIREMENTS

Special structural provisions are not generally required. A stable material for attachment using screws or bolts is adequate; welding is not recommended.



ACCESSORIES / OPTION

- orange end strips to mark the doorway
- strainht sliding to the left or to the right in one section
- strainht sliding to the left and right in two section
- strainht sliding to the left or to the right in two section
- round the corner sliding in one section

ROCKIES AIR CURTAIN




Rear Side


Front Side



The Rockies Air Curtain creates an invisible air barrier that separates indoor and outdoor environments while allowing easy access. It maintains stable temperature and humidity, blocks dust, insects, odors, and airborne contaminants, and reduces energy loss to improve air conditioning efficiency. With powerful, low-noise operation, it is ideal for commercial, industrial, and high-traffic applications.



Adopting the technology of German electrical machinery, it runs smoothly with low noise.



The irregular distancing and ultra-quiet wind wheel can produce a powerful air-flow.



Operated by remote control, with surge protection and power backup.

PRODUCT BENEFITS

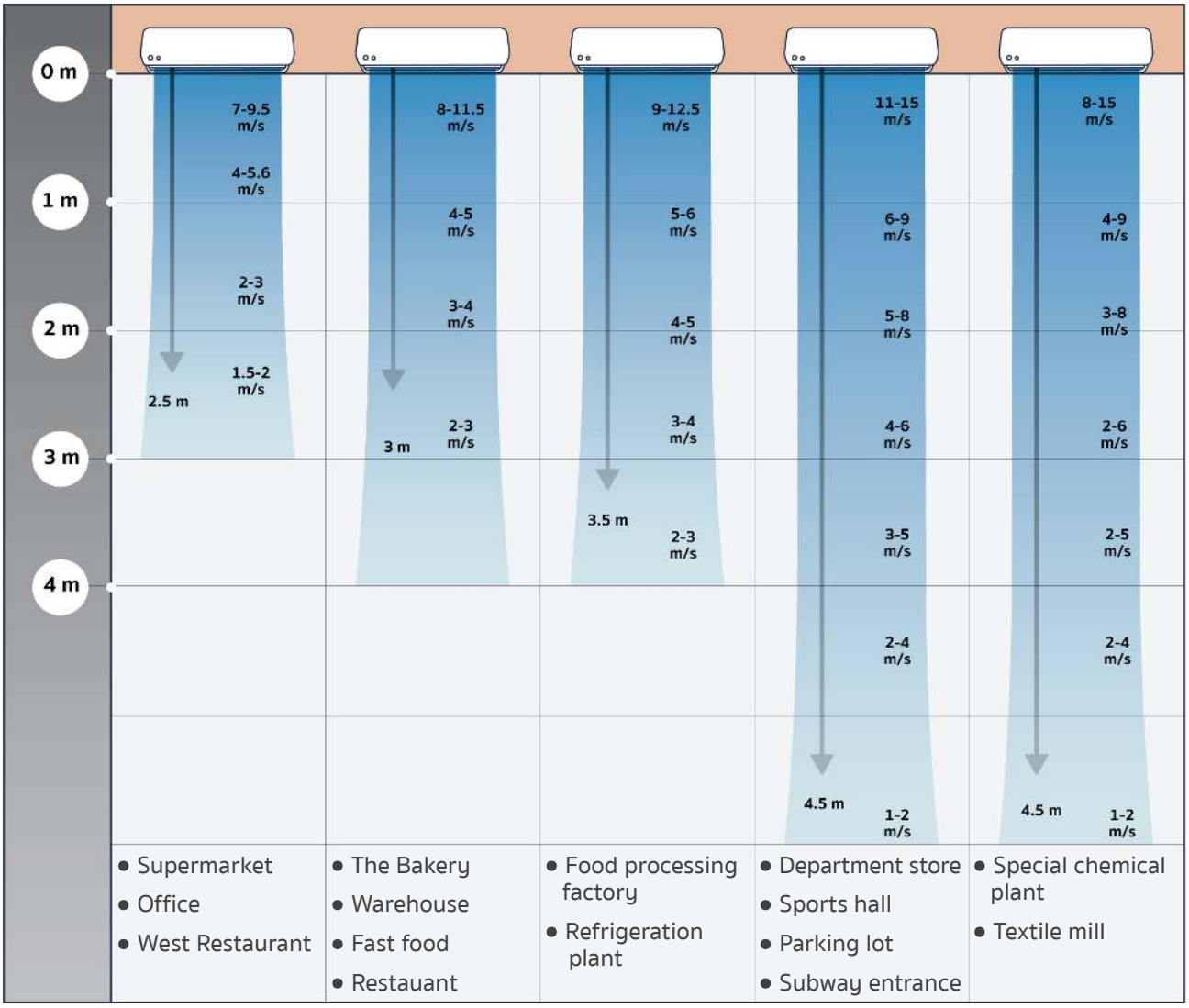
- **Energy Saving:** Prevents the loss of cool or warm air, reducing air conditioner workload and electricity costs.
- **Temperature Control**: Maintains stable indoor climate for both hot and cold rooms.
- **Hygiene Protection:** Blocks dust, insects, smoke, and unpleasant odors from entering.
- **Comfort & Safety:** Enhances air circulation and keeps a comfortable indoor atmosphere.
- **Low Noise Operation:** Quiet performance around 50 dB, ideal for offices and commercial areas.
- **Automatic Operation:** Works with magnetic or intelligent door switch systems for convenient and energy-efficient control.

SOLUTION

The Rockies Air Curtain creates a high-speed air barrier that separates indoor and outdoor environments, maintains indoor comfort, improves air quality, and reduces energy consumption by preventing conditioned air loss.

KEY BENEFITS

- Prevents cool or warm air loss, reducing energy costs.
- Blocks smoke, odors, dust, and insects.
- Improves indoor air circulation.
- Maintains a cleaner and more comfortable environment.



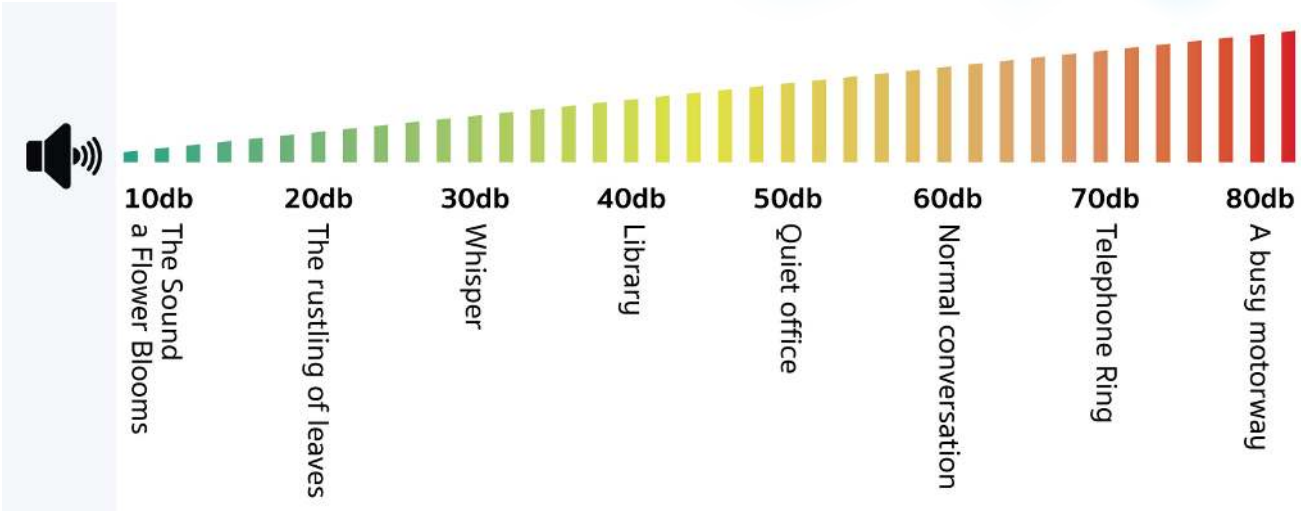
SPECIFICATION

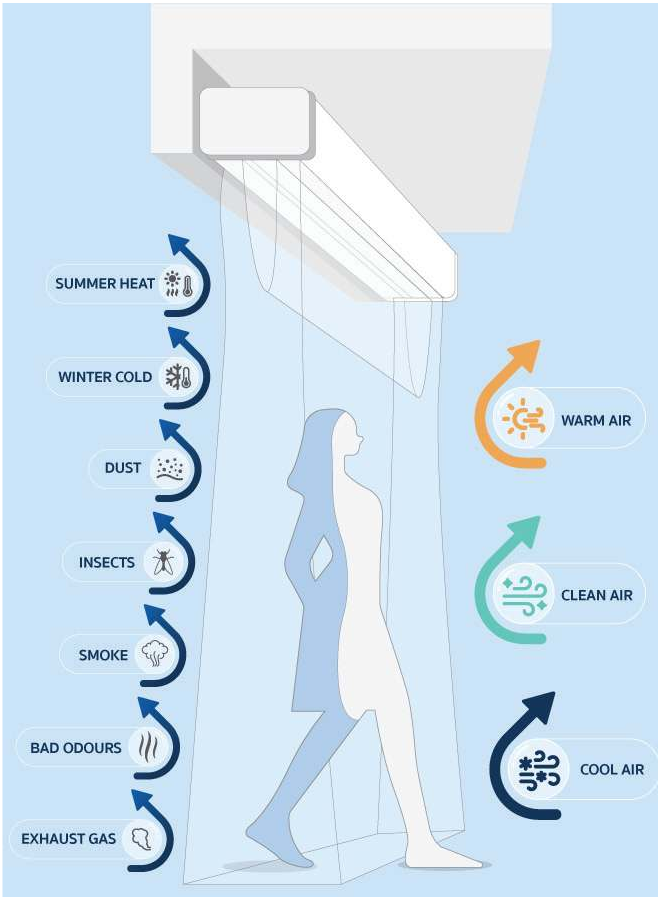
Model	Air Velocity (Floor to Unit)	Door Height (m)	Dimension (mm)	Length (mm)	Volt./ Freq.	Total Input		Air Velocity m / s		Air volume m^3/hr		Noise Level (dB)		Net weight (kg)
						L	H	L	H	L	H	L	H	
FM-4009-L	0-4 m	2-4	900x230x215	900	220-240V 50Hz	300	330	16	20	1000	1400	54	57	16
FM-4010-L	0-4 m	2-4	1000x230x215	1000		320	350	13	16	1400	1000	54	57	17
FM-4012-L	0-4 m	2-4	1200x230x215	1200		400	440	16	20	1500	1900	55	58	18
FM-4012-L With Remote Control	0-4 m	2-4	1200x230x215	1200		400	440	16	20	1500	1900	55	58	18
FM-4015-L	0-4 m	2-4	1500x230x215	1500		470	500	16	20	1900	2300	58	61	20

LOW NOISE OPERATION

The air curtain features non-isometric quiet impellers that minimize peak noise frequencies. Combined with a scientifically designed airflow system, it effectively reduces noise while maintaining stable operation. The working noise level is around 50 dB, which is as quiet as a typical office environment.







AIR CURTAIN FUNCTIONS

Rockies Air Curtain forms an “invisible air door” with a high-speed motor, efficiently separating indoor and outdoor air for various commercial and industrial spaces.

- **Dust & Insect Prevention:** Strong airflow blocks dust and insects, keeping interiors clean.
- **Odor & Fume Control:** Air barrier isolates odors and fumes, maintaining a fresh atmosphere.
- **Energy Saving:** Prevents air loss and helps reduce energy use.
- **Comfortable Heating:** Heating models warm entrances, adding comfort in winter.

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