

High Speed Spiral Door



The product is made of color coated aluminum strap with a thickness of 0.8mm. Thickness of door panel is 44mm(8.36kg/m²) or 54mm (13.7kg/m²).

The thickness of steel side hinge is 5mm. The hinge bears the stress, which makes the joint of the door panel free from force and the door panel won't crash each other, so that even after a long time, the smoothness of the door can be maintained. The guide wheel of the high wear-resistant ultra-silent polyurethane material is skillfully matched with the aluminum alloy rail, thus even the door is over 4 meters, the wheel won't get stuck in the track. The door panel's wind resistance is up to the national Standard Wind Resistance Grade 12 (32m/s), which is better than Type 185 door panel.

Color Options



Transparent Parts

We have a window fix on panel or full line aluminum transparent profile for choice



Lift Type

Spiral Track Lifting



When the upper space is enough, spiral track, which is the standard design, can be used.

Oval Track Lifting



When the upper height is limited, the width space can be considered to make up the upper limit.

Horizontal Track Lifting



This design ensures the maximum safety for human and cars, it can be used in garage.

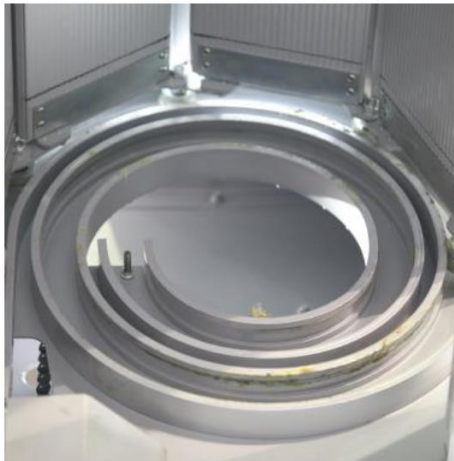
Vertical Track Lifting



When the space for width is limited, the space for vertical direction can be considered to make up the limitation

Spiral Door Track

The track is made of aluminum alloy, and the surface can be oxidized, The matching square box is made of 2.5mm galvanized steel sheet. The square box is made of large laser cutting equipment, which can produce exquisite burr-free shape quickly and efficiently.



Motor

The motor adopts permanent magnet brushless servo motor. Its acceleration speed is very fast at the beginning, and the short-term overload can be up to three times the normal power. The motor is equipped with a high performance (97%) planetary speed reducer, so that the brake door plate can be easily pushed up when power failure. What's more, the structure specially designed and installed for the absolute value encoder make the encoder not only does not need to add batteries, but also can achieve permanent position memory function, So that the installation and maintenance of the hard fast door motor is more convenient, the operation is more smooth, and the positioning is more accurate.



SERVO MOTOR



SEW MOTOR



NORD MOTOR



SEJ MOTOR



TUBE MOTOR



EXPLOSION-PROOF MOTOR



JAPAN MITSUBISHI

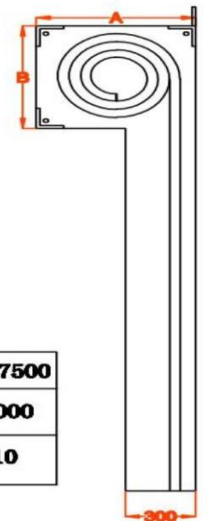
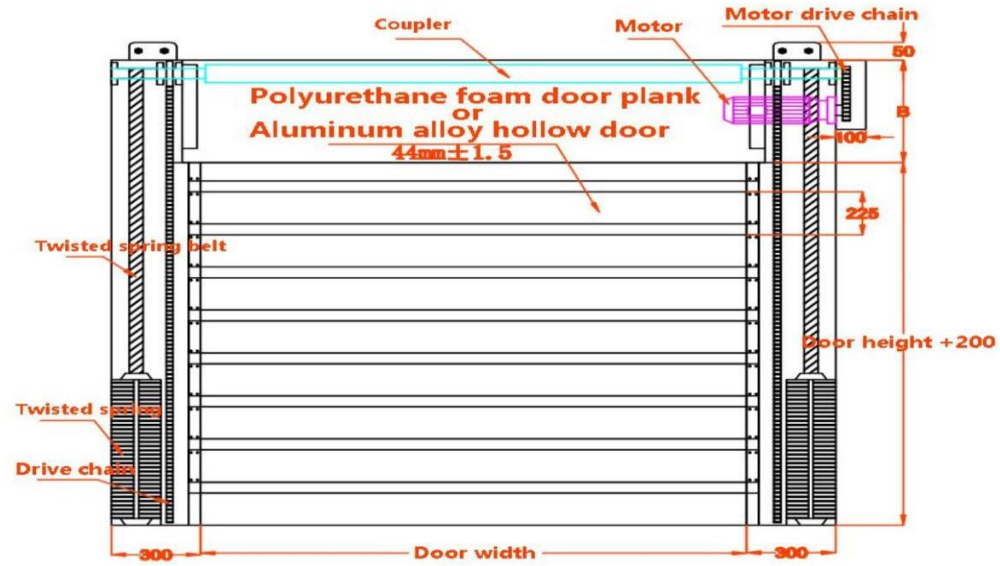


HOLIP BOX



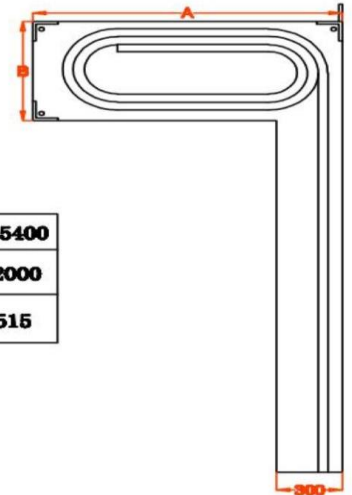
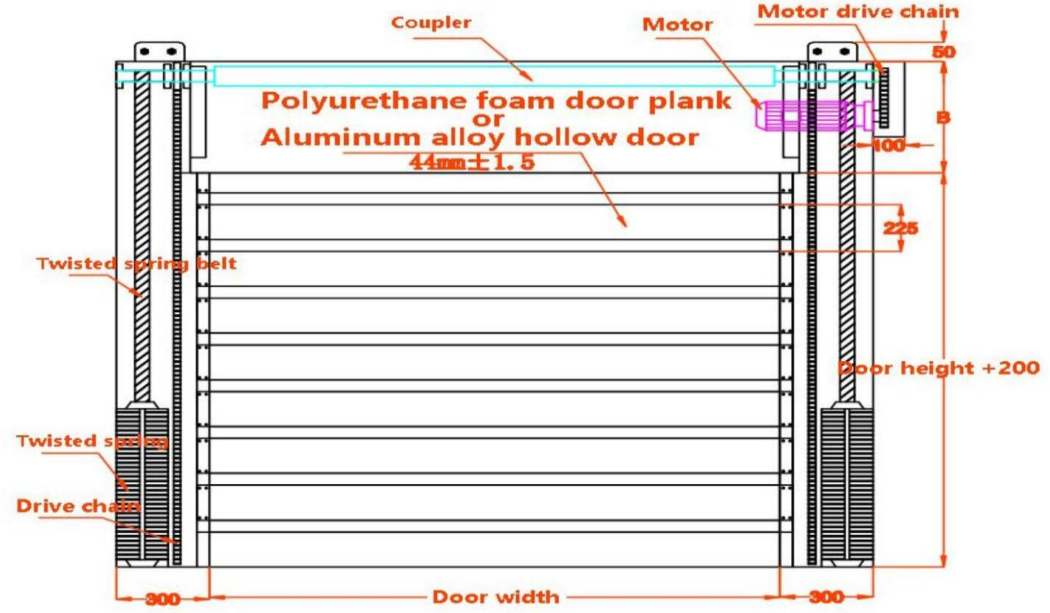
SERVO CONTROL BOX

Spiral Lift Way



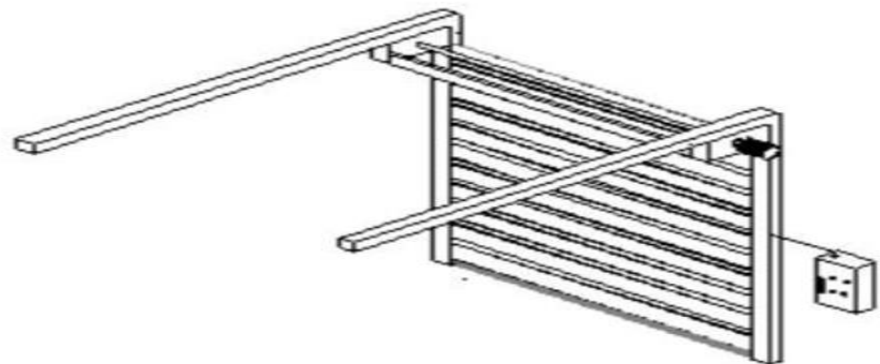
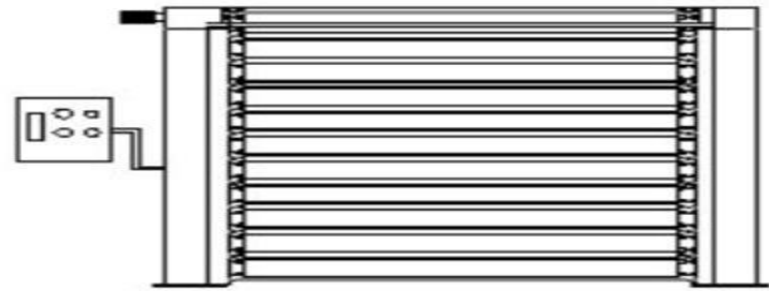
Door height	≤2800	≤3800	≤4800	≤6100	≤7500
A	685	750	870	905	1000
B	650	700	780	860	910

Oval Lift Way

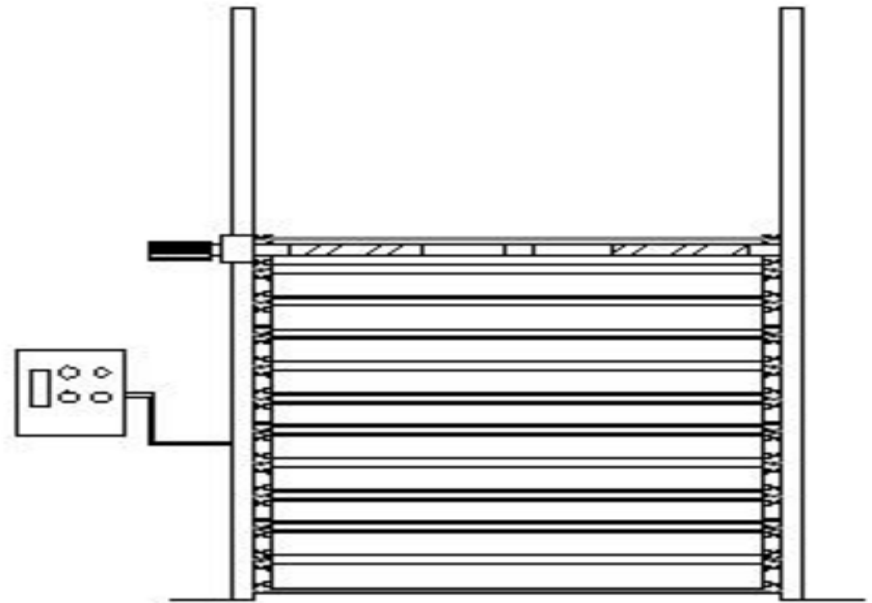
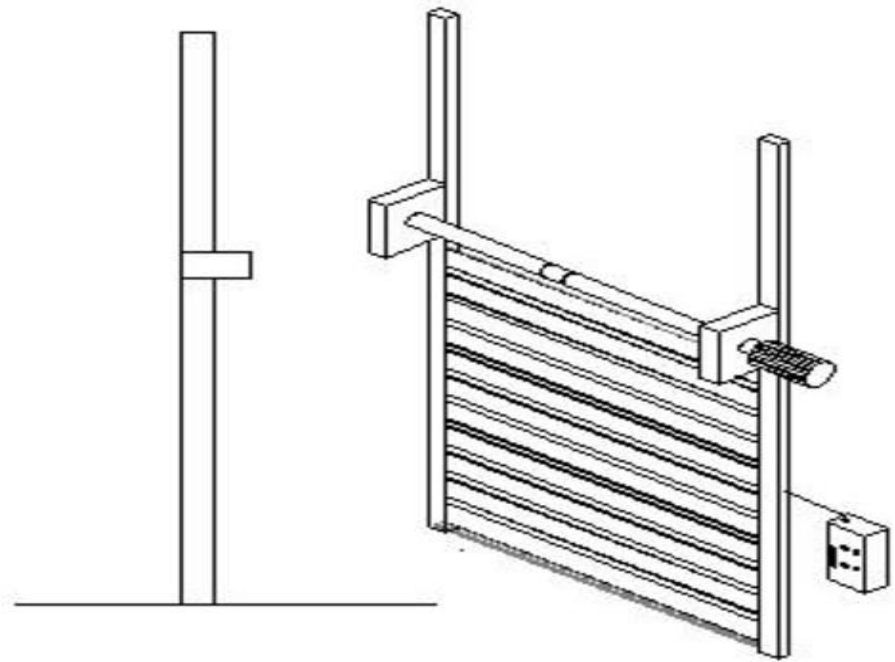


Door height	≤3300	≤4800	≤5400
A	1150	1800	2000
B	500	500	515

Standard Lift Way



Vertical Lift Way



Parts

	Hinge		Handle		Belt Guide Wheel
	Handle		Bottom Seal		Tension Spring Steel Sheet
	Roller		Long Drive Shaft		Upper Sprocket
	Emergency lock		Low Drive Sprocket		Motor Drive Sprocket Set
	Brush		Stub Axle		Chain

High Speed Door

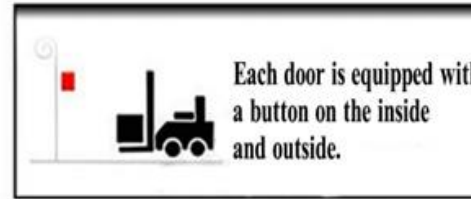


High-speed PVC door is a fast-rolling automatic door made of soft curtain which is often fixed at the entrance and exit of the building. The high density PVC base cloth with elasticity and tenacity is used to make the door open and close at high speed (about 20 times the speed of metal rolling door), and shorten the opening time of the entrance and exit. It can improve the efficiency of indoor air conditioning, control outdoor foreign bodies in a small range, and improve work efficiency, so as to create a safe, hygienic and energy-saving working environment, and contribute to improving product quality and saving funds.

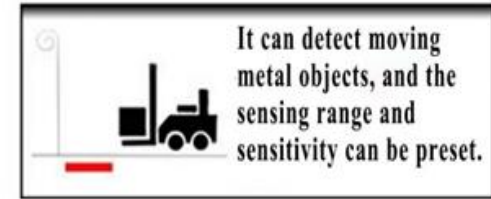


1. Safety: When the security protection system triggers, the door body will bounce within 0.3 seconds. If the bottom of the door curtain is pressed against the obstacle, the inertia down distance of the door curtain will be less than 5mm.
2. Switching: In the automatic conveyor belt partition site, it is resistant to high frequency switches more than 2000 times a day.
3. Speed: Except the acceleration and deceleration section of the door(30cm below upper limit and 30cm above lower limit), the door in other height will run in speed of 2m/s.
4. Double Brake System: Reverse brake and permanent magnet electromagnetic brake are combined to ensure that the door can works more than one million time without adjusting the brake system.
5. Energy Saving: The electricity, position and speed of the motor control system are all closed-loop controlled. Among them, the electricity closed-loop function refers to the real-time adjustment of torque output according to the different height of the door body, so the motor can save more than 15% energy compared with the ordinary asynchronous motor.
6. Maintenance: Good Door fast door electrical system adopts frame structure and modular design, and the whole frame adopts aluminum alloy track and cold rolled sheet, so the standard profile of any part can be replaced at any time after impact damage.
7. Warranty: Good Door series high speed door warranty time is one year, and the artificial structural damage is also promised to eliminate within 36 hours (need to have a local dealer).

Opening Mode



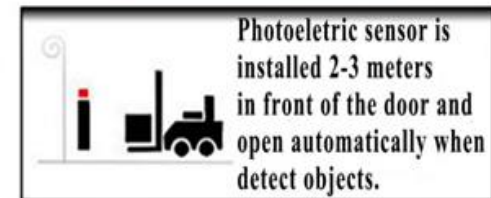
Manual Button



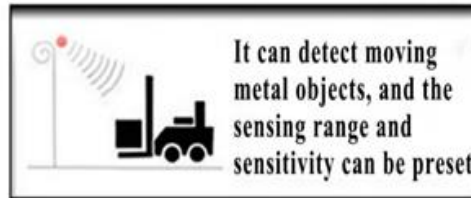
Automatic Magnetic



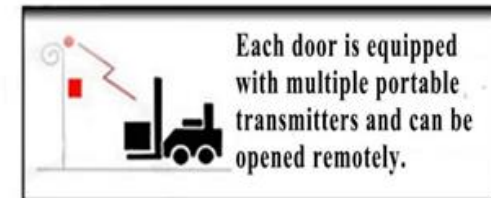
Intermodal & Interlock



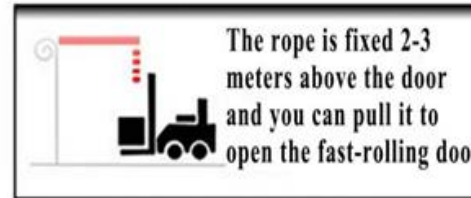
Automatic Photoelectric



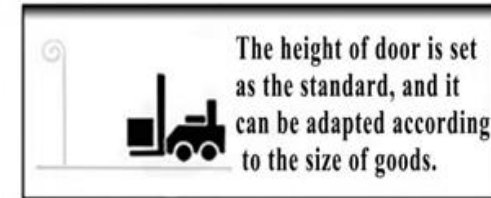
Automatic Radar



Manual Remote Control



Manual Pulling Rope

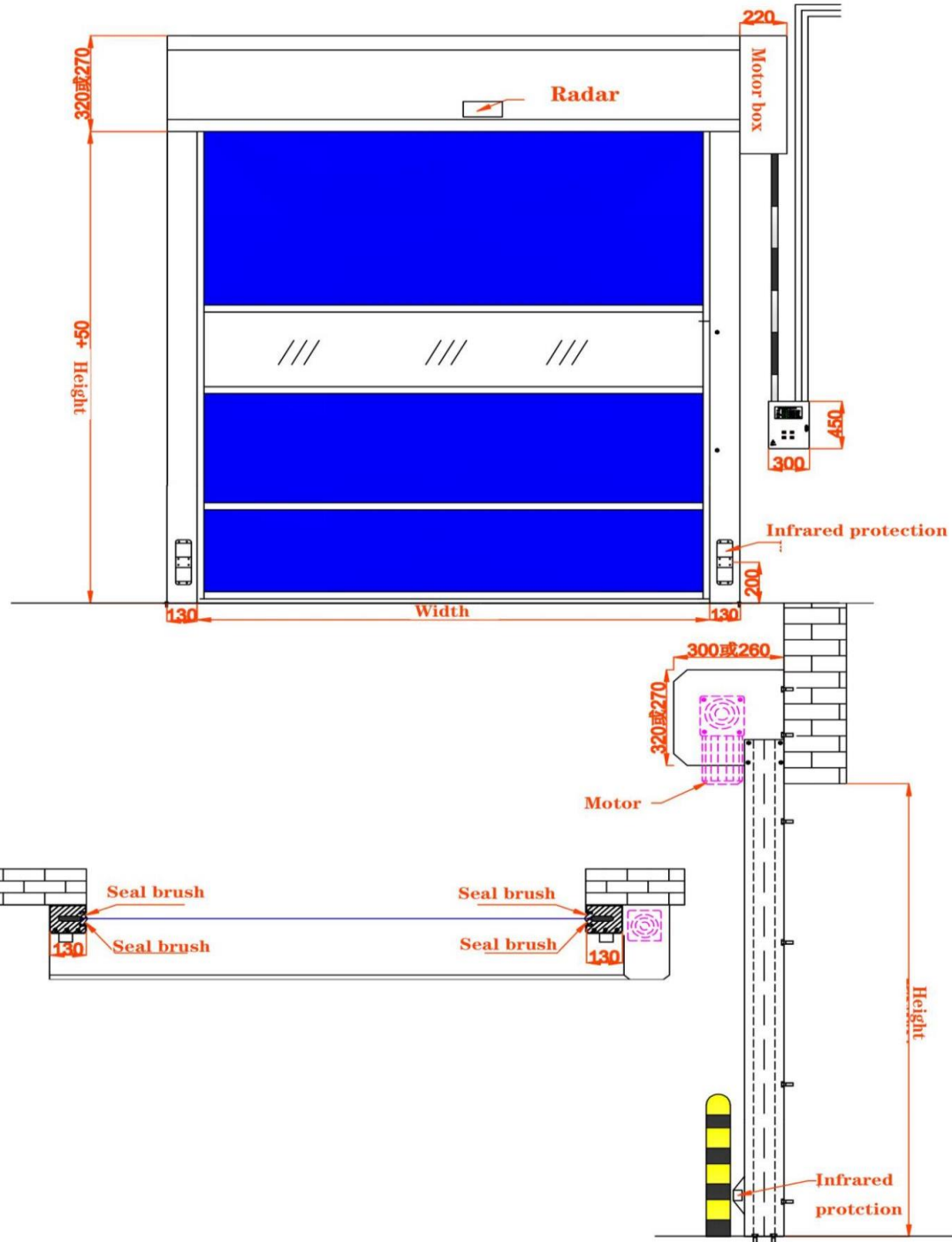


Half Or Fully Open

Part List

<p>pvc curtain</p>		<p>transmission system</p>		<p>radar</p>	
<p>transparent curtain</p>		<p>cover frame</p>		<p>infrared security system</p>	
<p>wind resistance bar</p>		<p>side plate</p>		<p>steel track</p>	
<p>big track for fast door</p>		<p>motor cover</p>		<p>geomagnetism</p>	
<p>bottom profile</p>		<p>absolute encoder</p>		<p>card reader</p>	

Drawing And Packing



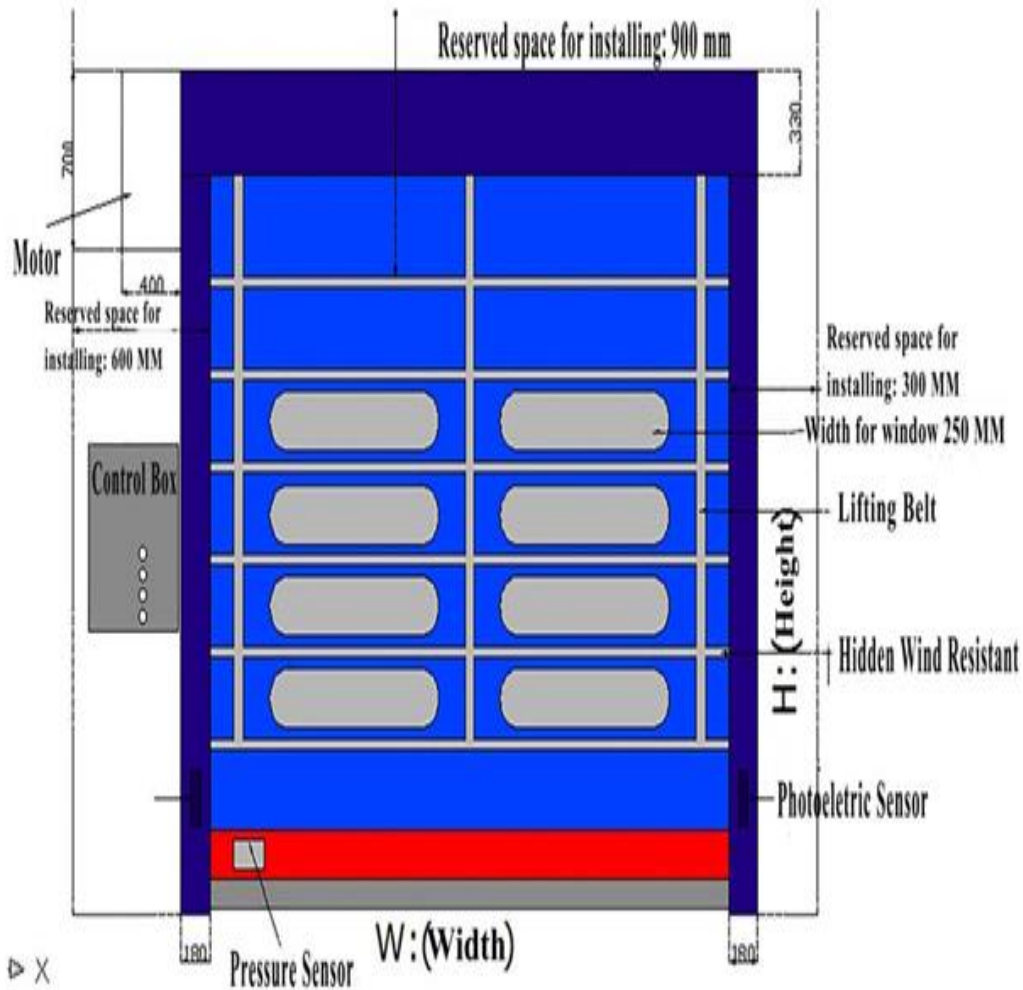
High Speed Stacking Door

High speed stacking door is widely used in food, chemistry, textile, freezing, electronics, printing, supermarket freezing assembly, precision machinery, logistics warehousing and other places. It is suitable for logistics channels, large area, high wind protection requirements and other internal and external doors. Stacking door has the advantages of saving energy, improving the efficiency of air conditioning, closing automatically at high speed, improving the efficiency of action and so on



Component↵	Standard configuration and advantages of high speed stacking door↵
Polyester Fiber↵	Color: Multiple (yellow, red, blue, silver gray, etc.) ↵ Process: Double-sided PVC coating↵ Thickness: 0.9mm↵ Advantages: Anti-corrosion, UV protection, salt prevention↵
Transparent Window	Advantages: It is not easy to age and non-deformation, it has good frost ↵ Resistance and does not dry and crack in winter↵
Wind-resistant Rib↵	Name: Professional Reinforced Aluminum Alloy Industrial Wind Resistant Rib↵ Thickness: 3.0~5.0mm↵ Advantages: Low maintenance cost↵
Dynamic System↵	Brand: SERVO↵ Power supply: 220V/ 380V↵ Power: 0.75KW/ 1.5KW/ 1500rpm/s↵ Load-bearing Capacity:↵ Lock: The door can be opened by hand after power outage↵ Components: Automatic and manual circulation system with high reflection ↵ delay, temperature sensitive interrupter motor protection, motor using the ↵ latest generation deceleration gear pair (high efficiency, low noise)↵
Control System↵	Advantages: Instead of the traditional relay and mechanical limit switch, ↵ The high-quality frequency converter and the PLC control circuit are adopted. ↵ The speed can be adjusted as required by the customer and is more ↵ humanized. The rotary encoder is limited and the stroke is more stable and ↵ durable.↵ Tips: SWF control system can also be selected, or we can customize the ↵ System according to the needs of the customer.↵
Infrared Security System (Standard)↵	Brand: G-TEK (South Korea) ↵ Advantages: Effectively prevent smashing people or car↵
Geomagnetism Induction System (Standard)↵	Type: TENET-PD132↵ Advantage: The 3-stage adjustable geomagnetic induction controller is ↵ Sensitive and responsive↵
Anti-collision column (Standard)↵	Advantage: It can effectively prevent the collision of the orbit. There is a ↵ Reflective belt on the surface, which serves as a warning to prevent ↵ pedestrians from bumping into the door at night.↵
Warning lamp (Standard)↵	Advantage: During operation, the door alarm and warning lights flicker to ↵ caution the traffic to pay attention to safety.↵
Encloser↵	Advantage: It is welded by high-quality steel plate and the surface is ↵ subject to anti-corrosion treatment, which is not easy to rust. The cover, guide ↵ rail and door box are integrated, which are beautiful.↵

Special Parts & Drawing



	<p>Circular Windproof Shaft</p>
	<p>Aluminum Alloy Pull-ring</p>
	<p>Stacking Door Strap</p>

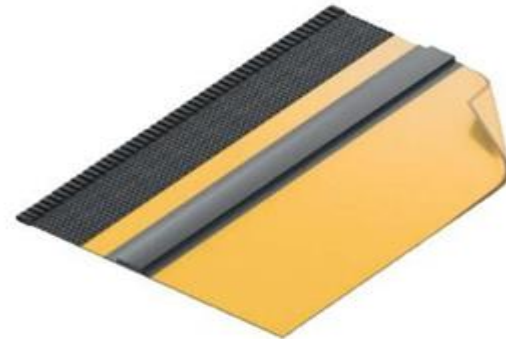
High Speed Auto-repair Door

1. High speed auto-repair door is generally used as logistics fast channel door. It is energy saving, environmental protection, stable operation and low noise.
2. It is designed succinctly and reduces moving parts (springs, balance hammers, coils and pulleys). In structure, it integrates the functional design of collision prevention and recovery. When accidentally hit, the door is out of track and automatically repaired and positioned during ascent. This structure is not only beneficial to the safe and stable operation of the door body (more than 150000 fault-free operations per year), but also prolongs the service life of the product and reduces the cost of component replacement and maintenance.
3. Anti-collision recovery structure: when an accidental impact occurs, the door curtain can be out of orbit and automatically reset during the rising process, and the whole process does not need the manual repair or the control system re-set.
4. The anti-collision fast door can also be used as escape door. When a power failure or a fire occurs, the door curtain can be pushed out of the rail by manpower, and the personnel can quickly evacuate the site.
5. The collision fast door is faster, smoother and less noisy than the traditional fast door.





- In order to ensure the safety of the personnel and equipment, the door curtain part shall not be equipped with any fasteners.
- The door curtain is equipped with an automatic repair system, even if the cord is derailed from the track (such as a forklift strike), the self-repairing system will then guide the curtain into the right rail in the next run.



- The door frame is made of galvanized steel and can be made of stainless steel according to the customer's needs. It can also be sprayed with any standard color. The standardized structure makes it more convenient and quick when changing components.
- The door curtain is made of durable polyester fiber, and the use of the periphery of the door body can be effectively observed by using the embedded transparent cord fabric (optional).



Freezer High Speed Door

1. A new type of fast-rolling door with high-speed isolation function. The whole frame is cut off by a large laser cutting machine so that the appearance is beautiful and elegant. It can bear temperatures of -10°C , and the cold resistant abilities can be better according to customers' demand.
2. The door curtain is a double-layer cold-resistant mesh with a thickness of 0.9mm, the middle insulation layer is 4 mm, and the total thickness of the curtain is 6mm. The thickness of the insulation layer can be intensified according to customers' demand.
3. The control system adopts PC waterproof box with the best waterproof seal, effectively isolating the water fog from entering.
4. The motor has the function of heating to prevent the low temperature from affecting the normal operation of the motor.
5. The door frame and the curtain can be installed heating system according to customers' needs.
6. To ensure that there are more than 150,000 fault-free operations throughout the year, within 500 times per day.





max size	3000*3000
headroom distance	450
side room for motor side	320
side room for non-motor side	210

防撞恢复结构

Take a hit and resets

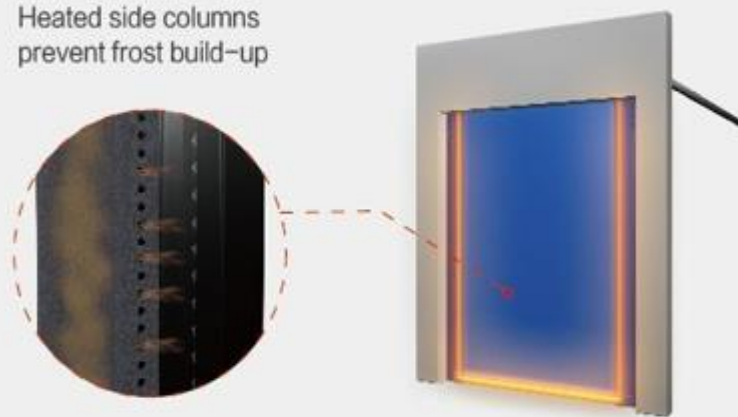
1. 受到撞击可脱轨 Break-away without any damage
2. 自动复位 Automatically reset the door after opening operation



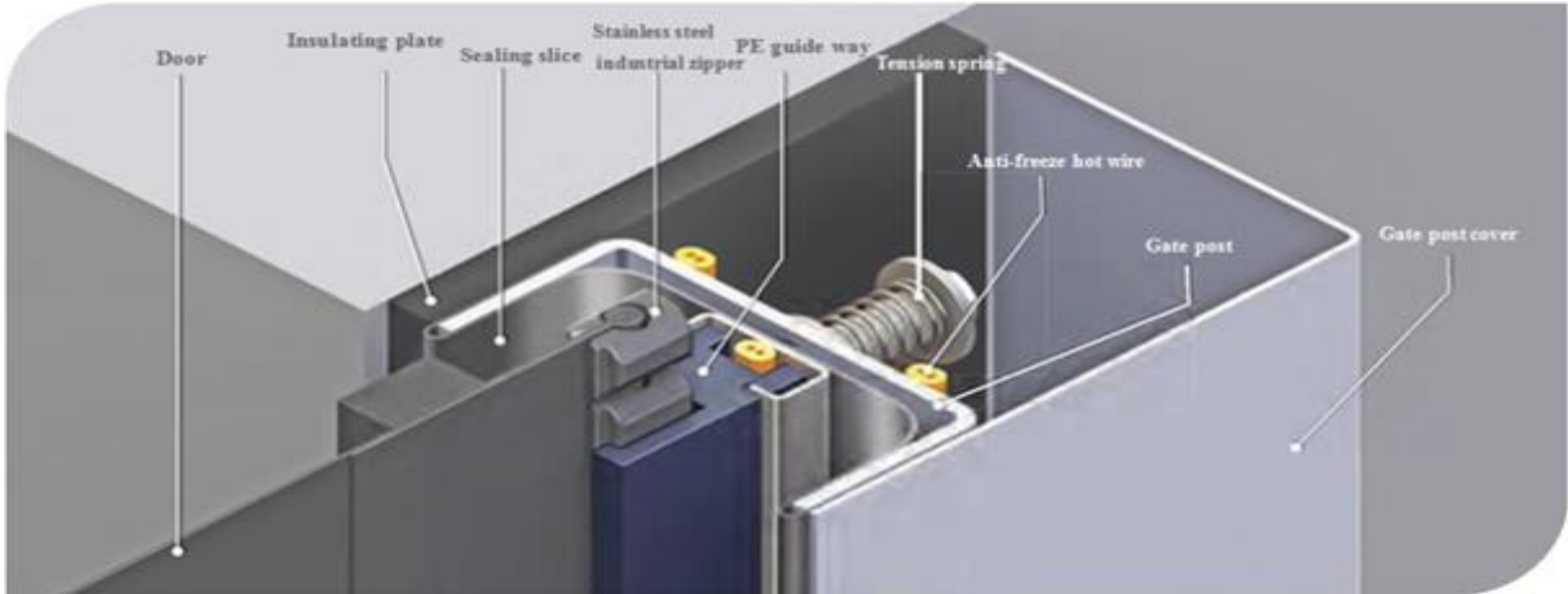
防冻加热结构

Frost free

门体三面加热防止结霜
Heated side columns
prevent frost build-up



Door Frame Heating System



Anti-freeze heating cables are installed in the slide tracks on both sides of the cold storage door to control the box inside the insulation device, and completely eliminate the ice in the track, so that the service life of the door is greatly prolonged.

The soft fast-rolling cold storage door can be directly installed and used in the low temperature storage. Different floor heating systems should be selected to fit different environment.





Speed: Max opening speed up to 1.8m/s

Save energy: short opening time and tight seal reduce air flow

High security: photo eyes and the flexible door curtain is free of rigid components.

Auto-repair: quick set repair system permits the operator to reset door after curtain out of track

Curtain's 40-50mm thickness keep warm.

安全装置

Safe

红外对射保证安全

Electric photo eyes are standard



▲红外安全装置



保温装置

Curtain

低温专用环保门帘

帘布厚度40-50mm

Expertise application in cooler system

The thickness of 40-50mm



