



V-SIGN INDUSTRIAL CORP., LTD

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HIGH SPEED PVC (SOFT) DOOR

1. Description

High speed (soft) PVC door is suitable for door opening conditions with wind pressure or negative pressure <35kg/m².

The door is fast, safe, beautiful and more energy efficient.

- Curtain

The segmented curtain is made of high-density polyester fiber (0.8mm/1.2mm/2.0mm thick option) and the transparent window is full-transparent PVC film (thickness 1.5mm)

- Door frame is formed by laser cutting

- Drive system

Drive dedicated motor power: 0.75-3KW; voltage 220V/380V,

- Control system

The IP55 control box is compatible with commonly used protection devices; the whole uses PLC digital programming to realize the safe passage of personnel vehicles and articles, parking manual lever for easy to open or close

- Operating & closing speed

Upward 0.5~2.5m/s, down 0.6~1.0m/s, and the inverter can be adjusted the required uplink and downlink speed according to actual requirements.



A) Curtain Color (RAL)

RAL 1030	RAL 1014	RAL 1016	RAL 2001	RAL 2010	RAL 3020
RAL 5010	RAL 7016	RAL 7022	RAL 7034	RAL 7036	RAL 7037
RAL 7045	RAL 8025	RAL 9002	RAL 9003	RAL 9006	Transparent



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B) Basic Configuration

Item	Unit	Configuration	Remarks
HS special motor	set	Servo motor: 220V 1PH 0.75KW/1.5KW/2.2KW/50HZ frequency motor:380V 3PH 0.75/ 1.5KW /2.2KW/3KW/5KW	CE Servo motor / frequency motor
Soft curtain	set	High strength PVC coating,curtain thickness 0.8mm,1.2mm,1.5mm or 2.0mm,bottom and middle both windproof reinforced rod, wind resistance 5000N.	RAL code,yellow,blue orange,gray,options
Door frame/guides	pair	high quality galvanized plate and frame, alloy aluminum 2.0mmthick guide.SS 304 stainless available.	White door body
Travel controlling	set	Absolute encoder controlling, precise localization,	
Inverter	set	Controlling running speed well, stable quality	
window	pc	PVC transparent window1.4-2.3m above ground.	option
Photocell safety protection/ Radar	set	Some objects reaction, door stop going down to go upside.	
Switch mode	set	Manual buttons	Triplex
Speed		0.5-2.5m/s	adjustment

Motor Options



Servo	SEW(Germany)	SEJ

Other Control Options

Control panel

Manual Rocker of Motor	Remote control	Network Card Machine
Card Machine	Geomagnetism	Passenger vehicle shunt radar



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HIGH SPEED PVC (SOFT) DOOR

Standard Control Options

Manual button



Radar



Infrared Sensor



Other Control Options

Touchless scanning sensor



Remote control



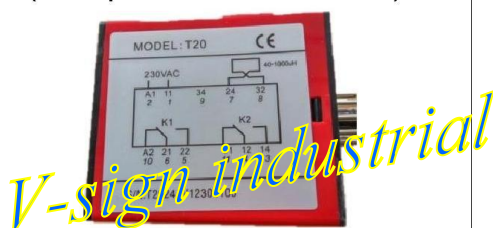
Network Card Machine



Card Machine



Geomagnetism
(Loop motion detector)

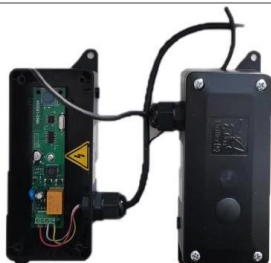


Passenger vehicle shunt radar



Safety Device

Bottom Safety air bag



Conductive safety device



Crash Column





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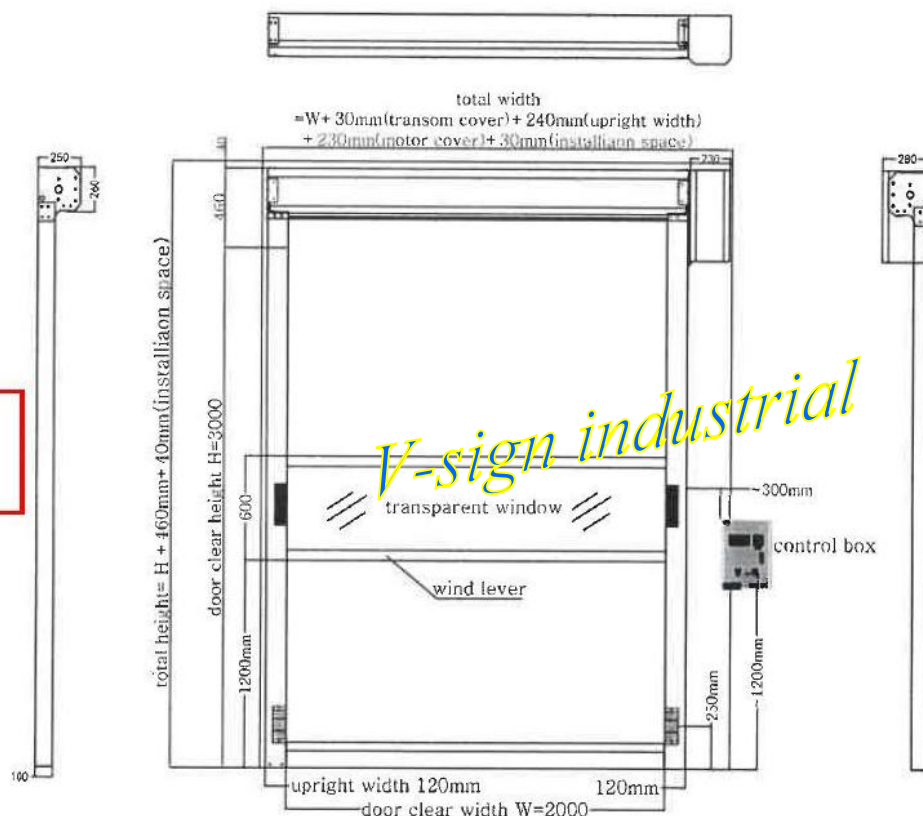
HIGH SPEED PVC (SOFT) DOOR

C) Sample drawing

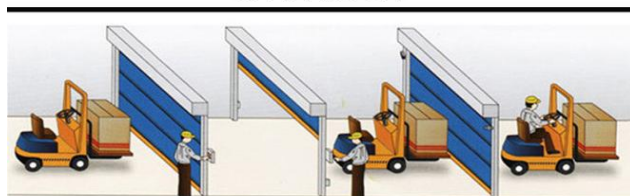
P I FAST ROLL DOOR

upright width:120

Power: 1 ph,
220V, 50Hz
Curtain: BLue
Ra1 5002



OPEN MODE



PVC Fast Door

- 1 Control Box
-PLC control system
-Servo system
- 2 Motor
-Servo motor
-Open speed:1.5m/s
-Close speed:1.2m/s
- 3 Rail
-3.0mm
-Aluminium
- 4 Cover Box
-2.0mm galvanized steel
-Power coated
- 5 PVC Curtain
-1.0mm
- 6 Vision Window
- 7 Bottom Beam
-3.0mm aluminium
- 8 Wireless Air Bag
- 9 Sensor
-Sensitive photo cell





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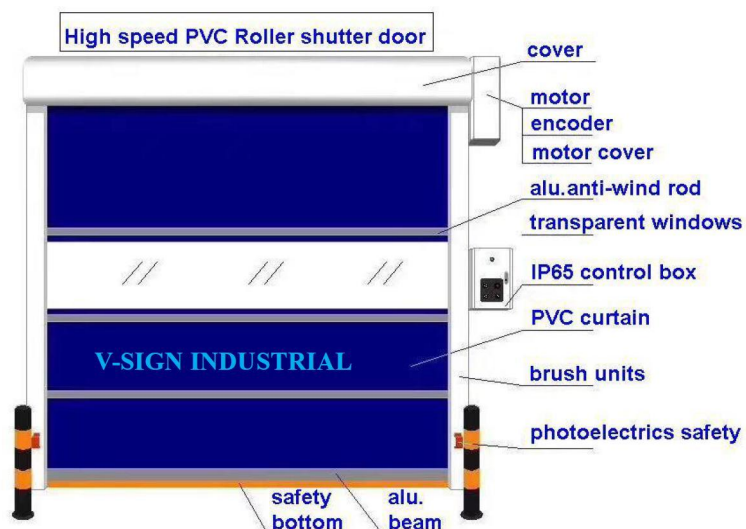
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HIGH SPEED PVC (SOFT) DOOR

ROLLER UP Door (Part No. VS02)

Standard configuration

Item	Unit	Standard settings	Remarks
HS special motor	set	0.75/1.5KW/2.2KW/220V/50HZ, IP56 LED control panel	CE Servo motor
Soft curtain	set	High strength PVC coating, curtain thickness 0.8MM or 1.2mm or 2.0mm,wind resistance 5000N.	RAL CODE
Door frame	pair	Laser cutting ,bright surface, high quality galvanized plate and frame,2.0mmguide or SS 304 available.	White door body
window	pc	PVC transparent window1.4-2.3m.	Option (free)
Anti-wind rods	pcs	Aluminium steel tubes	standard
Photocell or infrared safety protection	set	Both sides photocell safety device protection or top radar sensors, loop motion detectors	standard
Interlock function		Both doors connected with interlock	standard
Radar or geomagnetic	set	To help opening and closing “either-or”	Option
Remote	pc	Telecontrol	Option
Safety edge	set	To protect objects at the bottom when door going down	Option
Scanning device	pc	No touch scanning panel to open	standard
Switch mode	set	Manual buttons	standard
Speed		0.5-2.5m/s	adjustment
Max.size		Width 15m x height 15m	





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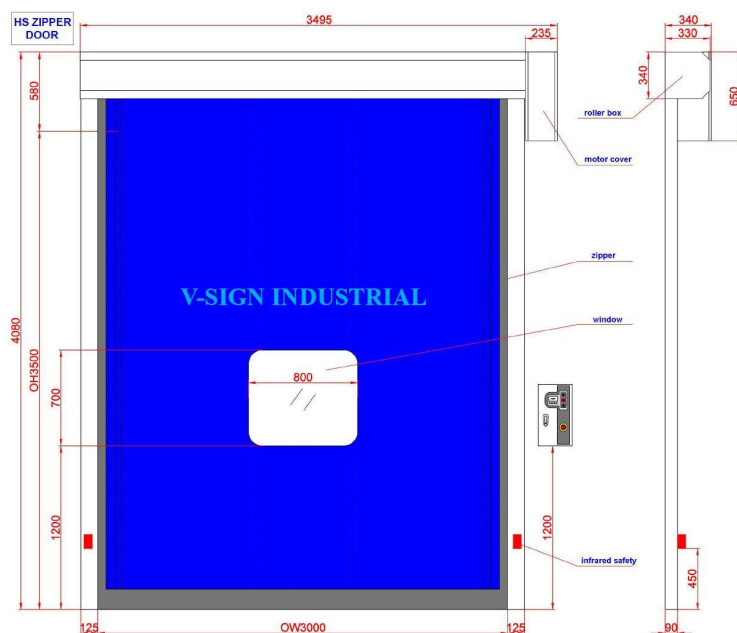
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HIGH SPEED PVC (SOFT) DOOR

ZIPPER (Self-repair / Anti-Collision) Door (Part No. [VS03](#))

Standard Configuration

Item	Unit	Standard settings	Remarks
HS special motor	set	0.75/1.5KW/2.2KW/220V/50HZ, IP56 LED control panel	CE Servo motor
Soft curtain	set	High strength PVC coating, curtain thickness 0.8MM or 1.2mm,wind resistance 5000N.	RAL CODE
Door frame	pair	Laser cutting ,bright surface, high quality galvanized plate and frame,2.0mmguide or SS 304 available.	White door body
window	pc	PVC Transparent window1.4-2.3m	Option (free)
Photocell or infrared safety protection	set	Both sides photocell safety device protection or top radar sensors, loop motion detectors	standard
Interlock function		Both doors connected with interlock	standard
Radar or geomagnetic	set	To help opening and closing “either-or”	Option
Remote	pc	Telecontrol	Option
Safety edge	set	To protect objects at the bottom when door going down	Standard
Scanning device	pc	No touch scanning panel to pen	standard
Switch mode	set	Manual buttons	standard
Speed		0.5-2.5m/s	adjustment
Max.size		Max.width 6m x height 6m	





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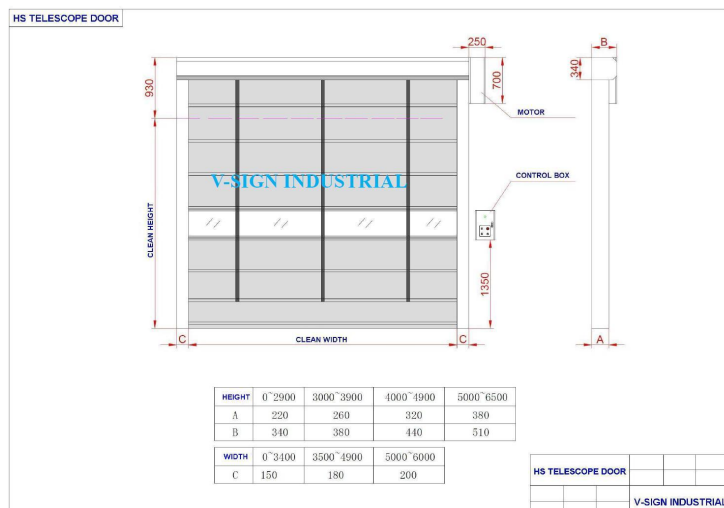
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HIGH SPEED PVC (SOFT) DOOR

TELESCOPIC Door (Part No. [VS04](#))

Standard Configuration

Item	Unit	Standard settings	Remarks
HS special motor	set	0.75/1.5KW/2.2KW/220V/50HZ, IP56 LED control panel	CE Servo motor
Soft curtain	set	High strength PVC coating, curtain thickness 0.8MM or 1.2mm,wind resistance 5000N.	RAL CODE
Door frame	pair	Laser cutting ,bright surface, high quality galvanized plate and frame,2.0mmguide or SS 304 available.	White door body
Anti-wind rods	pcs	Aluminium steel tubes	standard
window	pc	PVC Transparent window1.4-2.3m	Option (free)
Photocell or infrared safety protection	set	Both sides photocell safety device protection or top radar sensors, loop motion detectors	standard
Interlock function		Both doors connected with interlock	standard
Radar or geomagnetic	set	To help opening and closing “either-or”	Option
Remote	pc	Telecontrol	Option
Safety edge	set	To protect objects at the bottom when door going down	Option
Scanning panel	pc	No touch scanning panel to open	standard
Switch mode	set	Manual buttons	standard
Speed		0.5-2.5m/s	adjustment
Max.size		Width 15m x height 15m	





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HIGH SPEED PVC (SOFT) DOOR

COLD ROOM Door (Part No. VS05)

Standard Configuration

Item	Unit	Standard settings	Remarks
HS special motor	set	0.75KW/1.5KW/2.2KW/220V self-heating motor, IP 56 LED control panel.	CE Servo motor
Soft curtain	set	High quality cold resistant 3-layers PVC with PU foam 3mm thick, 0.3mm double layers cold resistant mesh cloth middle insulation layer, 2 layers of insulation cotton or aluminum foil reflective film overall 15mm, curtain is heated to prevent frosting, special seals PVC materials both sides,anti-wind 6grade	RAL CODE
Door frame	pair	S/S 304 frame, alloy-aluminum guides, powder painted	White door body
Working temperature		-1 °C to -28 °C	
Control system & accessories		Special Servo motor at cold temperature, DSP chip & encoders, IP56 LED control panel	standard
Photocell or infrared safety protection	set	Both sides photocell safety device protection or top radar sensors, loop motion detectors	standard
Radar or geomagnetic	set	To help opening and closing “either-or”	Option
Remote	pc	Telecontrol	Option
Scanning panel	pc	No touch scanning panel to open	Option
Pull switch	pc	Manual switch	Option
Safety edge	set	To protect objects at the bottom when door going down	Option
Switch mode	set	Manual buttons	standard
Opening Speed		0.8-1.5m/s	adjustment
Closing speed		Above 0.6m/s	adjustment
Max.size		Max.width 6m x height 6m	





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HIGH SPEED PVC (SOFT) DOOR

滚筒式快速卷门系列 Flexible High-speed Roll-up Door Series

柔性快速卷门广泛应用于食品、医疗、电子、印刷等行业。采用一体式设计，隐藏卷式开启方式；具有隔温、保湿、防尘、防虫、隔音等优点。特别是开启速度能达到2.5米/秒，保证隔离、频繁出入场所的有效使用。

These highly versatile doors can match virtually any interior, exterior, wash-down, high-wind, cooler or freezer high-cycle application - reducing the complexity of maintaining multiple door models in one facility.



开启方式 Opening Method



按钮开门

Pushing Button



遥控开门

Remote Control



雷达微波感应开门

Wireless Radar



拉绳开门

Manual Chain

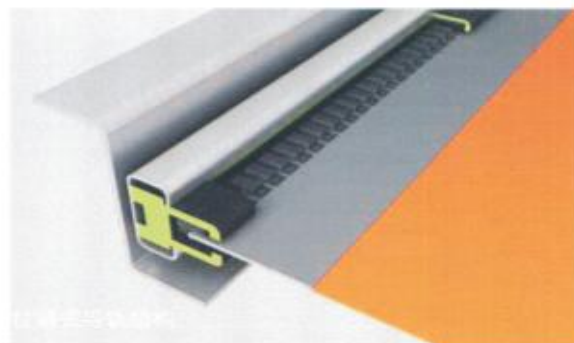


地磁环感应开门

Ground Magnetic Loops

产品高性能优势：

- ◆防撞脱轨自动复位功能
- ◆门帘材质坚固耐用
- ◆变频电机开启/关闭门体速度可达2.5m/s
- ◆无油轨道允许门体最大抗风强度达120km/h
- ◆运行寿命高达150万次
- ◆运行强度80%
- ◆减少物理磨损，维修率低
- ◆运行平稳安静
- ◆选配-配重-使得运行更加顺畅





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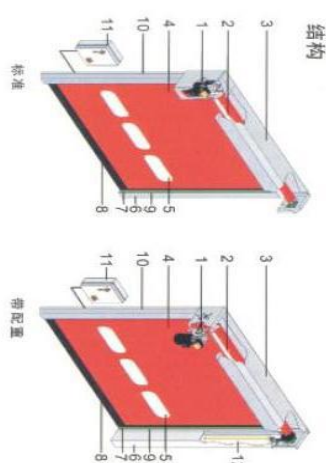
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HIGH SPEED PVC (SOFT) DOOR

滚筒式快速卷门系列 Flexible High-speed Roll-up Door Series



- | | |
|---------|--------------------------|
| 1. 电机 | 1. Motor |
| 2. 轴 | 2. Balance Shaft |
| 3. 轴外罩 | 3. External Cover |
| 4. 门帘 | 4. Door curtain |
| 5. 透明视窗 | 5. Visible Window |
| 6. 侧板外罩 | 6. Side Cover |
| 7. 轨道 | 7. Operation Rail |
| 8. 门帘底边 | 8. Bottom Finishing |
| 9. 光源 | 9. Infrared Photo-sensor |
| 10. 侧板 | 10. Side frame |
| 11. 控制箱 | 11. Control Box |
| 12. 配重 | 12. Bobweight |

Innovation
Ability to withstand forklift impact and snap right back into their tracks, this is a huge benefit in a warehouse space.
Intelligent control - User and Forklift can be passed respectively.
Maximize energy savings by minimizing the amount of air exchange.
High-performance, high-speed door solutions, capable of moving at 2.50m/s

创新亮点
更方便：中文人机界面，实现智能人机交流，方便使用与维护
更经济：集成模块标准设计，无须编程，即插即用，后期维护经济快捷
更节能：人车分流功能（人行半开，车行全开，大门也如小门般节能）



Certain styles of High Speed Door that feature a Vinyl Curtain can be customized with client's own message or Logo.



组件	配置	特点
框架立柱	优质冷轧钢板外部静电喷涂处理(标配) 高强度聚酯纤维增强基布(选配) 中间通透透明视窗(标配)；多个独立视窗(选配) 横向往复式门帘，中间铝合金型材卡式连接 阻燃等级为Class2	纯进口塑料 具有双面自洁功能 个性化定制方案 更易局部更换
门体结构	抗风等级为6级，抗压可达8级(需预约) 制作规格W=600mm-5000mm，H=900mm-5000mm 两侧导轨内双排加密封毛刷，PVC基座卡式设计 门体底部铝合金型材配重U型橡胶密封与门帘气囊双结合 门帘一体式包边密封设计	可订制设备配套小门 免打固定，保护门体 与地面贴合密封效果更佳
密闭性能	SUPER II集成式智能控制系统，实现速度闭环和位置闭环控制。 工业级速门专用高频启停电机，双向静音刹车系统 全程绝对式数字限位，16位4通绝对值编码器以码盘计单圈位置，机械结构计数圈数	可视化人机界面 专为快速门设计 位置闭环，无限位置记忆差
控制系统	开关速度1.2-0.6米/秒；工作温度-40℃~70℃ 按钮开关，延时自动关门(标配)；雷达感应/地磁环感应/拉绳开关/遥控开关/门禁系统(选配)； 导轨底部红外线安全电眼，异常触动门体自动反弹至(标配)	可双向互锁，远程联动 非接触式安全保护 第二重安全保护
开关方式	传统有线安全气量(选配) 光幕(栅)安全保护(选配)	全方位安全保护
安全性能	220-380V/13A/单相-三相/50HZ	
电源要求		

