

**MAXWELL**

**PT. MAXWELL INDOMAKMUR**

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# High Speed Door

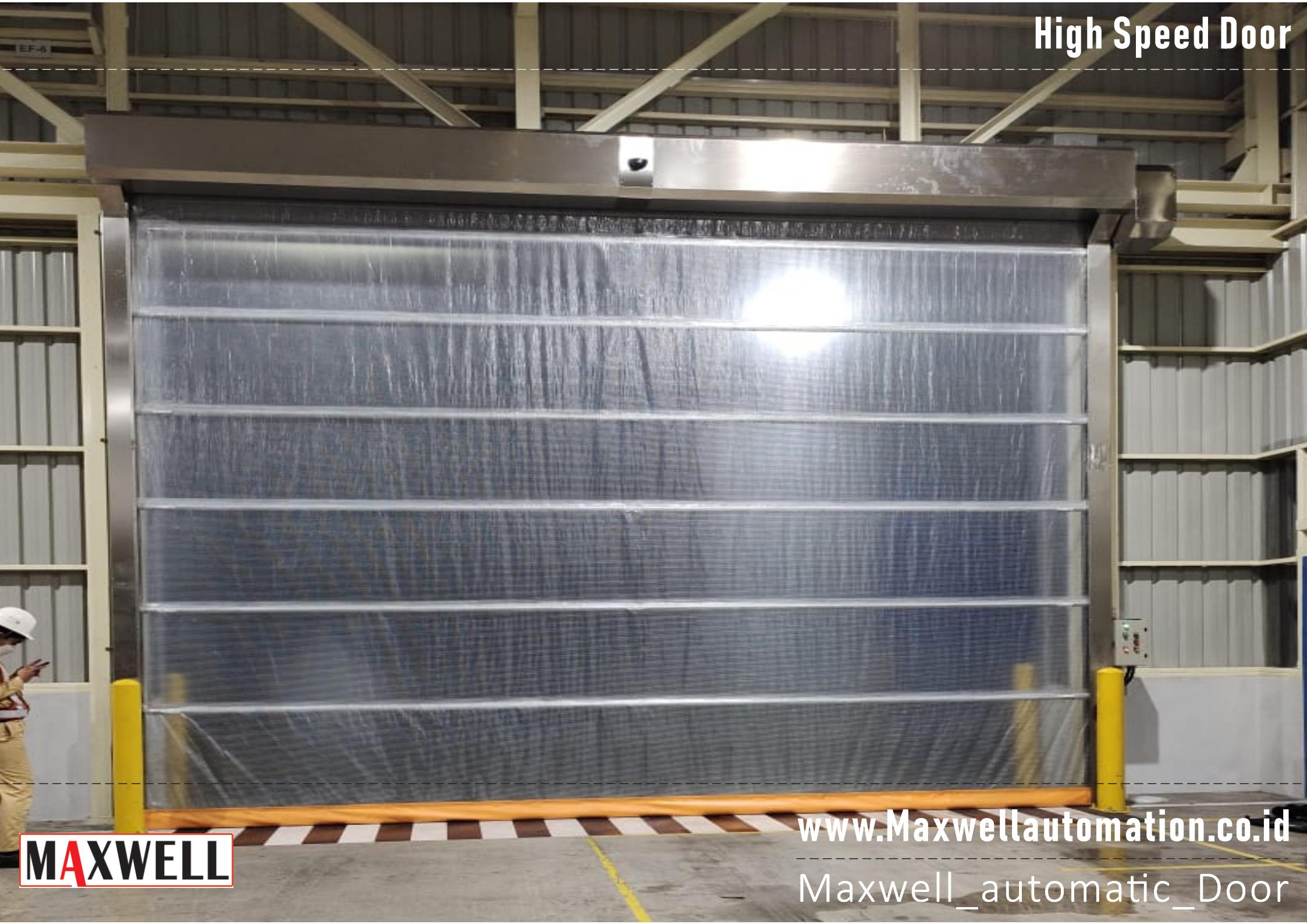
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## Catalogue



[www.maxwellautomation.co.id](http://www.maxwellautomation.co.id)

High Speed Door



[www.Maxwellautomation.co.id](http://www.Maxwellautomation.co.id)  
Maxwell\_automatic\_Door

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Flex-Roll high speed roll up doors are designed for internal applications or negative pressure area require isolation, quick operative and easily adoptable to different applications. All kind of industries require this type of system at indoor environment that has contact risk with wind and dust. From Food Industries to Supermarket, warehouse to chemical store, doors can be provided for different requirements of client. We can provide tailor made solution. Compact design and silent operative.

High Speed door is designed for durability. Spring & Zip system are not being used as they cause damage inside wind bars. We are continuously improving in every factor to reduce the problems by collecting feedbacks from every client across globe to provide best simple and robust system.

## 7/24 Operations

Strong and flexible design of Speed Flex fold up doors can be operated 24X7 specially by choosing high resistance fabric and gearbox system for continuous operations. Crash resistant system installed in our doors help to re-assemble the fabric with in no time in case of accident.

## Sealing Properties

Door compact design supply to you also excellent sealing. All structure made from Aluminum and no welding also no gap to resistance moisture, acids, animal fats, rodents, insects and salt solutions ,Speed Flex High speed Roll up doors works in Dusty, Dirty, Grimy Environments .This is designed for noiseless operations.



## Perfect For Hygenic Area

High speed roll up Doors is designed with very low gap to avoid dust collections fully Aluminum body and hygienic fabric is meet with all clean room area and applications.

## Easy and Cost effective Repairing

Flex roll High speed roll up doors is manufactured section technology so each sections can be replaced individual if a parts is tear or damaged no need to replace all fabric. System doesn't has spring or side zip system. System can be cleaned with water easily it is most important properties for high hygiene required area.

## Patent Pending Sectional Desing

Speed Flex fold up door is specially designed with section. So all sections is separately installed and can be replaced easily. If any accident is occurred no need to replace fully changed the fabric. This user friendly design reduce your maintenance cost efficiently

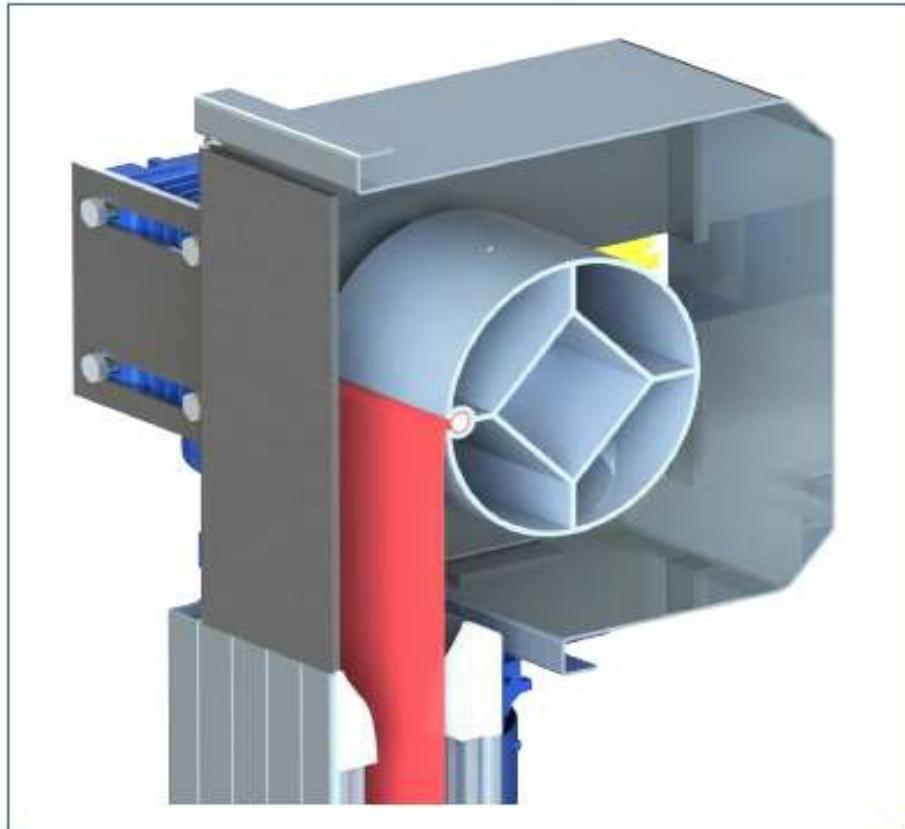


## Easy and Cost effective Repairing

Flex roll high speed roll up doors cause of design no need any special maintenance all parts is carefully chooses for no maintenance requirements also avoid using welding at the system so never faced problem cause of welded parts.

## Structure

All structure made from extruded high straight Aluminum 6063-T6 Alloy fixed with bolt only top cover as a standard made from galvanised steel sheets. All side guide and bottom frame is manufactured one pieces so not gap or welding that design is suitable for high hygiene required area. Steel zinc structure is available for cost effective requirements.



## Wind Resistance

Rollup Doors is designed internal applications standard wind resistance 40 km/h and Class 2 Annex ZA- (EN 13241:2011).

## Fire Resistance

Fire resistance of the fabric is suitable for any fire safety regulations. Relative Standard is DIN 4102-B1. These materials are difficult to ignite. They include materials such as wood treated with a fire retardant and rigid foam plastics. A fire must extinguish itself when the source of the fire is removed.

## Curtain Data

Curtain Thermal insulation:  $U = 4 \text{ W/sq-m.K}$  (BS EN ISO 6946) □ Sound attenuation: 16 dB A Tensile Straight 4300/4000 N/50 mm

## Maximum Dimensions

High Speed roll ups doors can be manufactured up to 4500X4500 mm. big door requirements Shipyarddoor® has special applications.

## Applications

All industrial building need isolation and high traffic area regulations special Food, Pharmacy, Chemistry Industries. Doors is used for interior applications or vacuum area max 10 Pa.

# Safety Components

All doors is manufactured CE Standard Applicable Directives 89/106/EC-99/93/E Applicable Standards:- EN 13241-1:2003+A1:2011-EN 12978:2008 and safety photocell, Thermic resistance, Windows section ,emergency button warning light and buzzer is supplied Standard equipment.

## Optionally

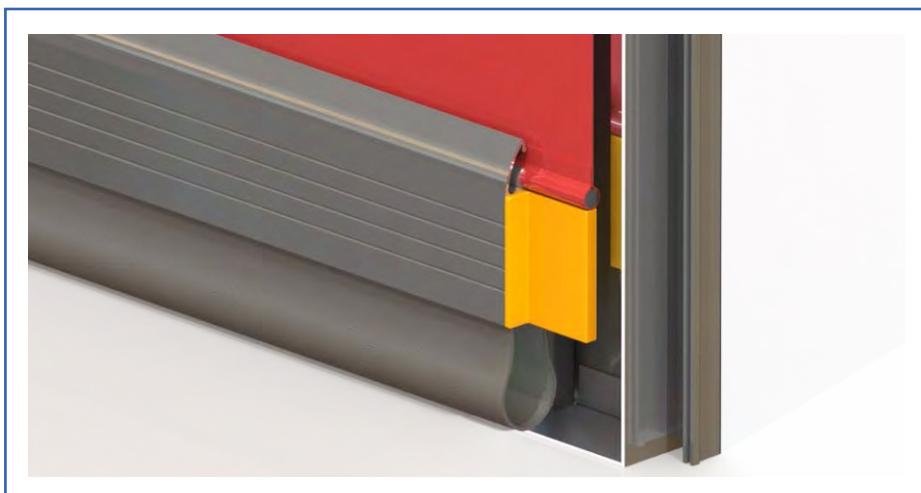
Bottom safety edge and pneumatic safety edge system is available.

## Low Maintenance

Flex roll high speed roll up doors cause of design no need any special maintenance all parts is carefully chooses for no maintenance requirements also avoid using welding at the system so never faced problem cause of welded parts.

## Anti-Crash Safety

Instead of our copy-cat company speed flex roll up Door has anti crash system so if any accident is occurred fabric not damaged and easy replace.

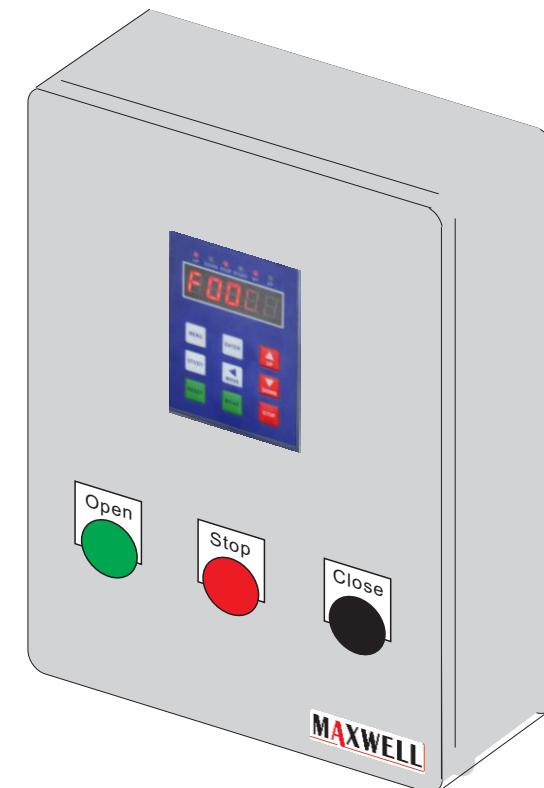


## Control board

Control board is designed according to CE 2006/95 EC and NEMA ICS 2 Standard to operate 3 phase motor with rotate switch. Audible and visual warning devices automatically signal for 5 seconds before any door section movement, remain continuously on while the door is in motion and reset immediately after movement stops. IP 65 Box Emergency button Circuit Breakers Warning light Buzzer, Plug in technology served with universal spare parts.

## Optionally

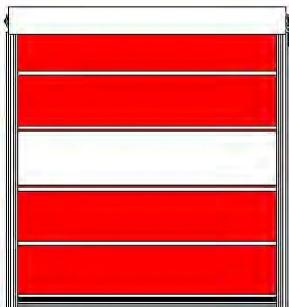
Frequency converters control board with touch less button-Mono phase operators control board is available.



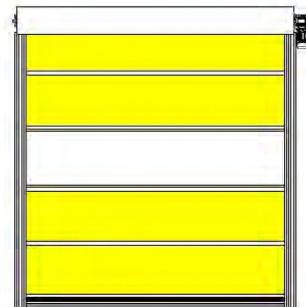


# Color

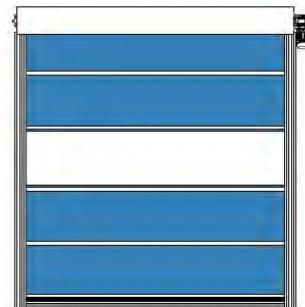
Wide range fabric colour is available, All main colour at our stock (RAL 9002-9006-1001 -3001 – 5007-6001-7071) (some colour is out of stock can be extend delivery time)



Red - Ral 3020



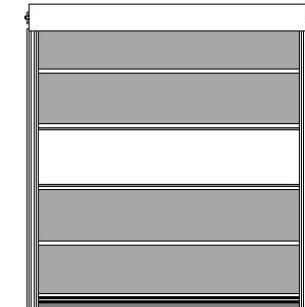
Yellow - Ral 1018



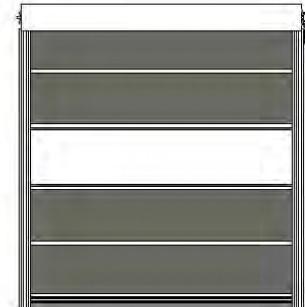
Light blue - Ral 5012



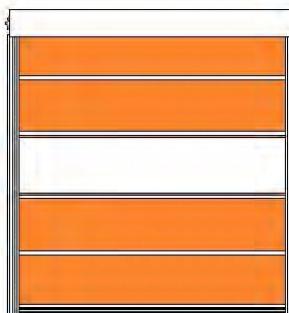
Blue - Ral 5010



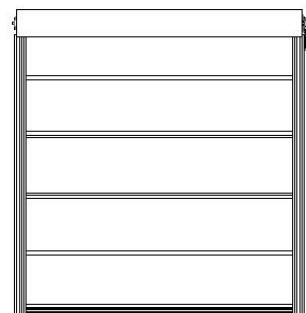
Metalic grey - Ral 9006



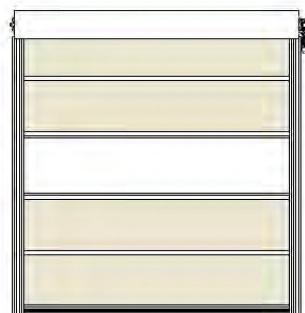
Grey - Ral 7039



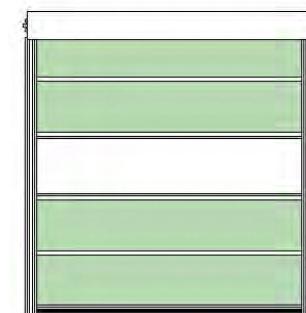
Orange - Ral 2003



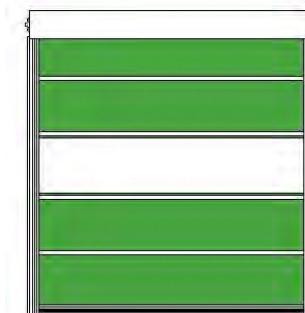
White - Ral 9010



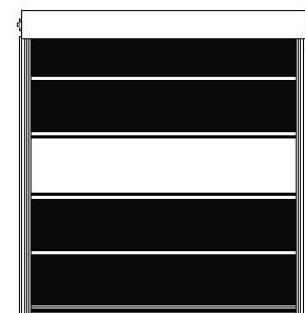
Beige - Ral 1013



Light green - Ral 6019

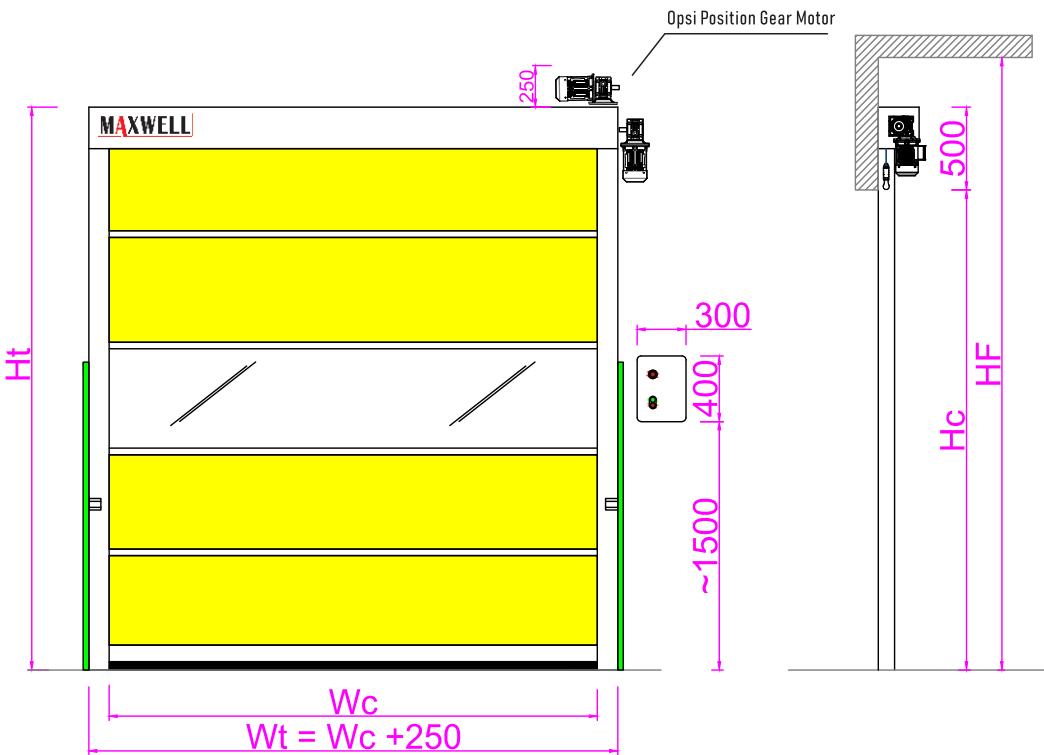


Green - Ral 6018

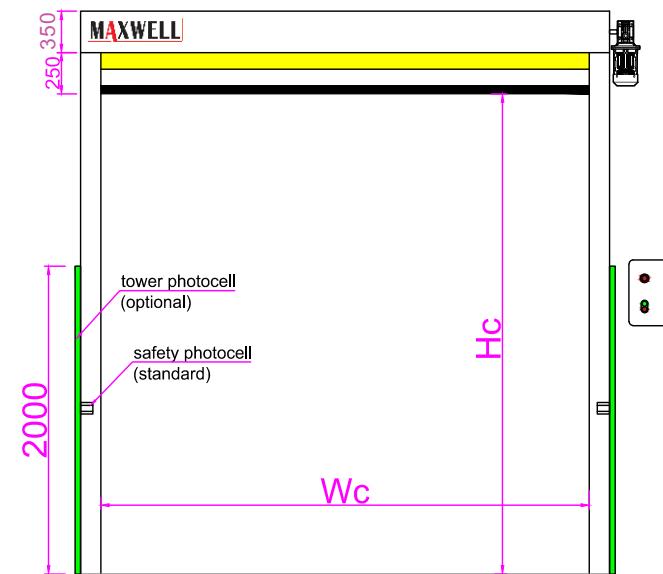


Black - Ral 9005

\*Some color is out of stock can be extend delivering time.

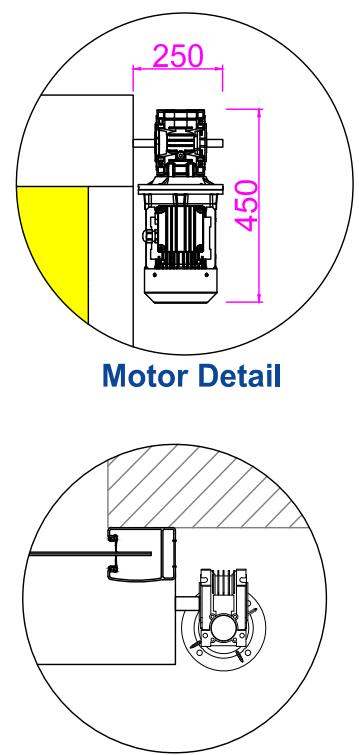


## Front View (Closed)



## Section View

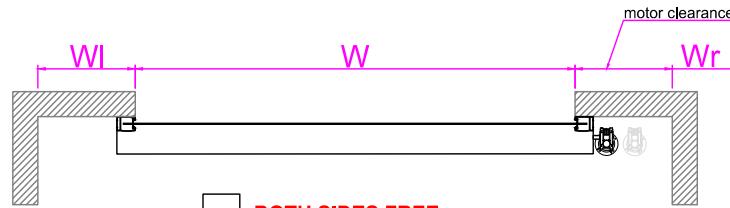
## Front View (Opened)



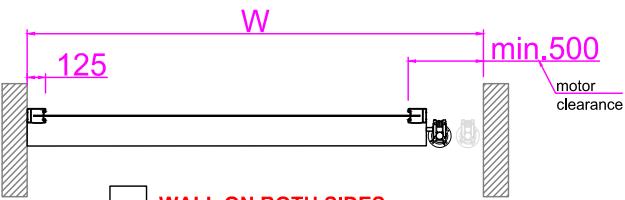
## Motor Detail

## Guiding Detail

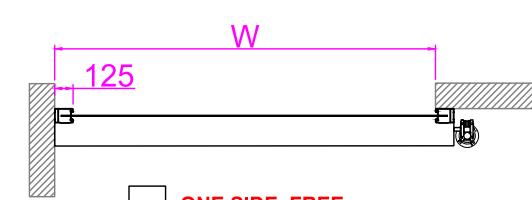
## **PLEASE SELECT THE PLAN DETAIL TYPES**



BOTH SIDES FREE  
Clear Width ( $W_c$ ) =  $W$

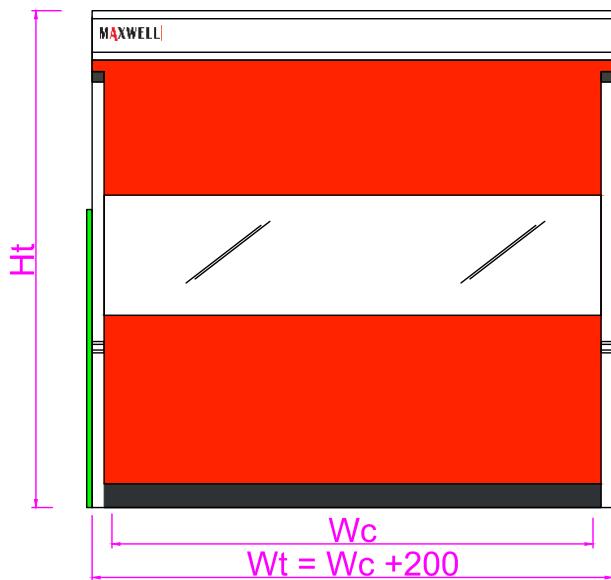


**WALL ON BOTH SIDES**  
**Clear Width (Wc) = W - 625**

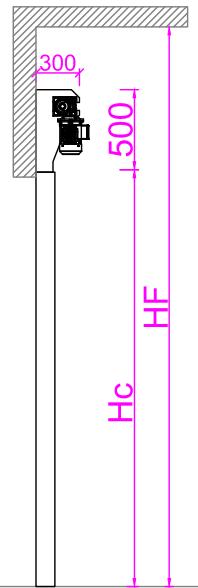


**ONE SIDE FREE**

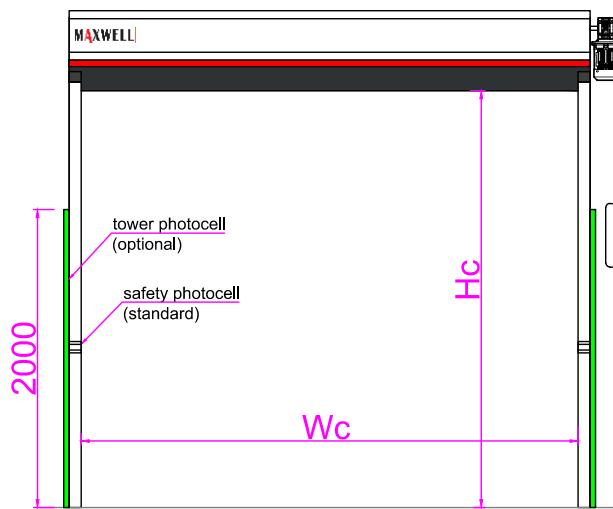
Project Name :				Quantity .....pcs.	Motor Location			Fabric Color				Window		Control and Safety Options		Voltage Spec.		
Product Name :		PVC ROLLING DOOR			Left	Center	Right	L.Grey RAL 7038	D.Grey RAL 7046	L.Blue RAL 5015	Black	Available	N/A	Pull Down Switch	Motion Dector	Monophase (V)		
DIMENSIONS						Unavailable										Triphase (V)		
W (mm)		Hc (mm)		NOTES:  * In the selection of galvanized body, guides are produced with a width of 100 mm. * standard safety equipments : safety photocell * button control on the control panel (standard) * external button is included in the standard package	Orange RAL 2009	Green RAL 6005	Beige RAL 1014	White					Body Structure		Remote	Loop Dector	Frequency (Hz)	
Wl (mm)		Ht (mm)												Neutral (Yes/No)				
Wr (mm)		Hf (mm)			D.Blue RAL 5002	Red RAL 3002	Yellow RAL 1003	Other	Aluminium (Standard)	Galvanised (Optional)	Tower Photocell	Other	Inverter (Yes/No)					
Wt (mm)																		



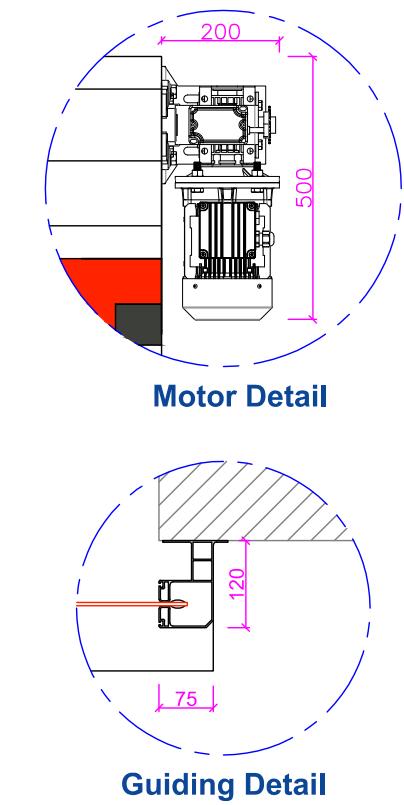
Front View (Closed)



Section View



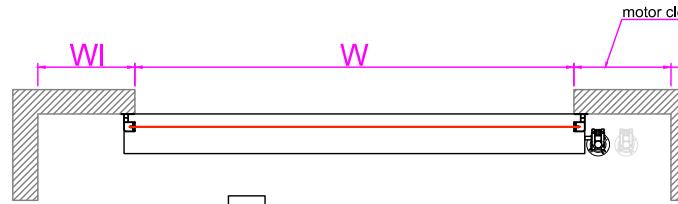
Front View (Opened)



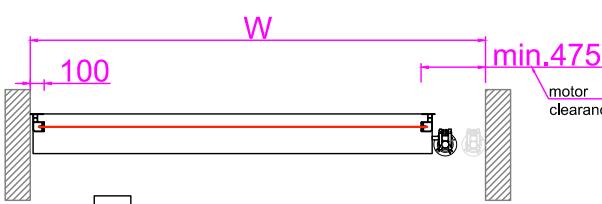
Motor Detail

Guiding Detail

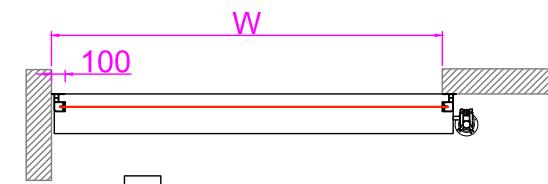
PLEASE SELECT THE PLAN DETAIL TYPES



BOTH SIDES FREE  
Clear Width (Wc) = W



WALL ON BOTH SIDES  
Clear Width (Wc) = W - 575



ONE SIDE FREE  
Clear Width (Wc) = W - 100

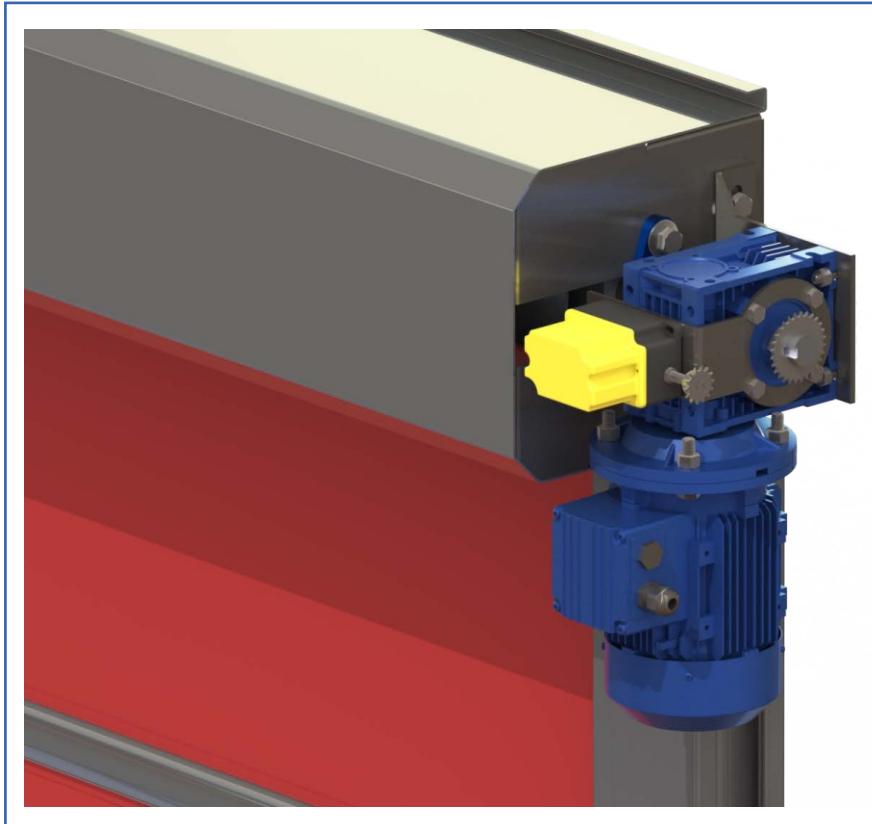
Project Name :		Product Name :		Quantity .....pcs.	Motor Location			Fabric Color				Window		Control and Safety Options		Voltage Spec.		
		PVC SELF REPAIRING DOOR			Left	Center	Right	L.Grey RAL 7038	D.Grey RAL 7046	L.Blue RAL 5015	Black	Available	N/A	Pull Down Switch	Motion Dedector	Monophase (V)	Triphase (V)	
<b>DIMENSIONS</b>																		
W (mm)		Hc (mm)		NOTES: * standard safety equipments : safety photocell * button control on the control panel (standard) * external button is included in the standard package * inverter control panel (standard)				L.Grey RAL 7038	D.Grey RAL 7046	L.Blue RAL 5015	Black	Available	N/A			Monophase (V)		
WI (mm)		Hf (mm)															Triphase (V)	
Wr (mm)		Hf (mm)						Orange RAL 2009	Green RAL 6005	Beige RAL 1014	White	Body Structure				Frequency (Hz)		
Wt (mm)													Remote	Loop Dedector				
								D.Blue RAL 5002	Red RAL 3002	Yellow RAL 1003	Other	Aluminium (Standard)	Galvanised (Optional)			Neutral (Yes/No)		
													Unavailable	Unavailable	Tower Photocell	Other		

# Speed

Speed Flex fold up doors can be operated as a standard 90 cm /sec also can be increased 150 cm/sec with frequency converter (optional)

## Motor And Gearbox

Power from 1 Hp up to 3 Hp operations voltage 200-220 VAC 3 phase depends to dimensions of the doors. We prefer to use 3 Phase operation voltage for 7/24 industrial operations, as an options we have 220 V 1 phase motor operator for special applications. Gearbox high torque worm-hole design gear-box. All materials is manufactured according to CE norm.



# Operations

Speed Flex® Rollup fabric door is guide up and down in the weather sealing vertical guides attached to the structure. Door is controlled by three buttons marked "Open," "Closed," and "Stop." It is controlled by momentary pressure to open and constant pressure to close. (Reverse is available). System has touchless control board for clean room sections and it can be operated with Radar, Remote controller, Metallic Loop Detectors, Pull rope switch as an options.

### Loop Detector ( Optional )

Together with the inductive loops laid beneath the surface, the LC series loop detectors form a universal sensor system for detecting vehicles and forklift. People are not detected.

### Infared Radar ( Optional )

Opening impulse sensor for automatic doors and industrial doors i Motion sensor for people and objects.

### Remote ( Optional )

Is a component of an electronic device to operate the device with radio frequency from a long distance (25 mt up to 100 mt)

### Manual Operations;

In Emergency situations or power is off Doors can be operated manually a few ways.

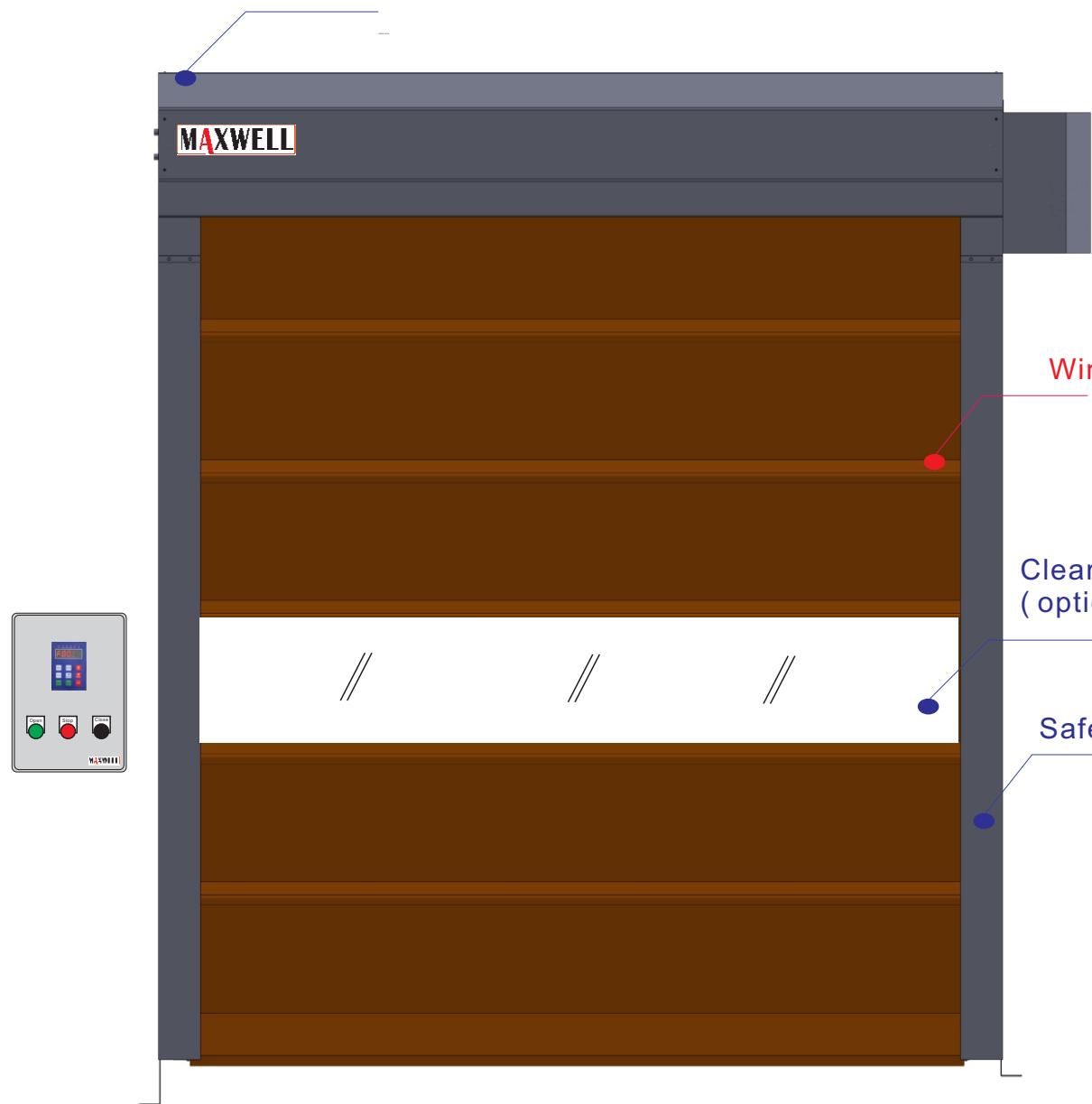
- A hand crank that attaches to the output shaft of the motor is available for manual operation. (Standard)
- Connecting the door to a power generator would eliminate the problem in case of a power failure. (Optional)

# General Information

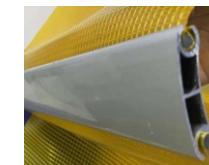
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Body Cover Stainless steel ( optional )

Body Cover Steel Powder Coat

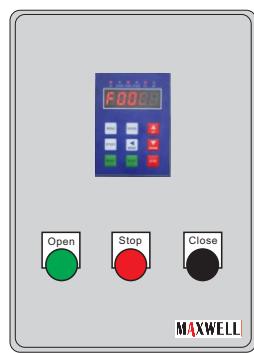
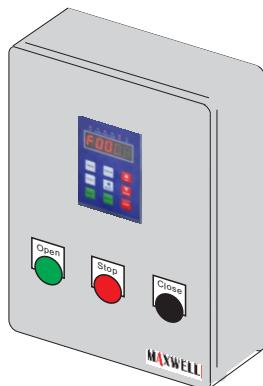


## Wind Bar Alumunium



## Wind Bar Pipe



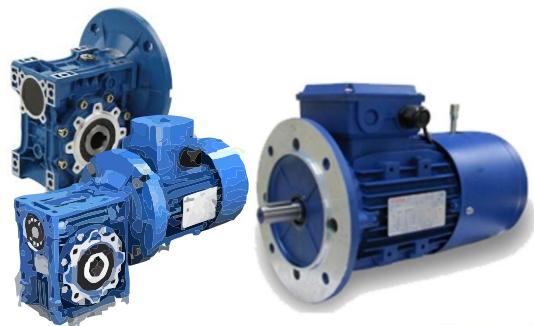


## Control Panel

PVC Panel Or Steel Powder Coat Panel With All Variant Dimension 250x350x200 mm  
Voltage Supply AC200-AC220 +/- 10% 1Phase  
Out P : 750Watt For Opening 1.0 Meter Up to 3 meter  
Out P : 1500 Watt For Opening 3 Meter Up to 6 Meter  
Out P : > 1500 Watt For Opening More > 6 Meter ( Optional )  
P : Control 100Watt

## Motor Gear

NMRV 050 Worm Gear Reducer Model Flange  
High Efficiency Compact Design  
Stable and durable performance  
Efficiency price  
Motor AERO 3Phase AC 220 Volt 1486 Rpm  
4 Poles 50Hz  
Brake Voltage AC/DC 90V With Kanvas Brake  
Easy For Replacement and Easy Maintenance



## ( Optional ) UPS Low Frequency

For OFF PLN Condition For Backup Supply 1 Phase AC220



## Safety Beam Sensor

AUTONICS This sensor functions to detect the presence of objects or movement around the door and provide a signal to the control system to open or close the door automatically. Safety For Operational

# Technical Specification

		Items	Specs
Main Body		Effective opening width	Minimum W : 800 - Maximum W : 6000
		Effective opening height	Minimum H : 900 - Maximum H : 6000
	Drum box	Standard type	Colored sheet metal (Herriot color) t= 0.8 mm
		Stainless type	Metal t=0.8mm
	Rail L / R	Standard type	Colored sheet metal (Herriot color) t= 1.6 mm
		Stainless type	Metal t=1.5 mm
	Drum		
	Side cover		Colored sheet metal (Herriot color) t= 0.8 mm
Driving section	Driving force transmission method		Involute spline
	Opener		AC motor worm gear 750 watt
	Wheel		
	Electrical Switch installation orientation		Right side as viewed from the front
	Ascent velocity of the sheet		1.3 m/s
	Descent velocity of the sheet		1.0 m/s
Control box	Power supply		Single-phase AC 200V ± 10% (50 Hz/60 Hz)
	Rated current		6A or less
	Standby power		Less than 15W * hen equipped as standard
	DC power source for control (Switching power supply)		DC24V 30VA
	Stop position control		
	Sensor type		Photoelectric sensor (Thru-beam type)
	Upper/lower limit detection		Limit switch
	Switchs		Up / Stop / Down / Switch / Setting / Infomation
Sheet	Pipe	Sheet	Containing polyester yam (t = 0.42)
		Pipe material	High-tensile pipe dedicated to the roll-up door
		Middle pipe	ø 19.1 × t 1.6 mm
		Lower pipe	ø 25.4 × t 1.6 + weight

## HIGH SPEED DOOR

Motor

Motor Power

Operation temperature

Anti-Crash

Bottom Safety Edge

Safety Photocell

Emergency Opening

Side Insulation

Bottom Insulation

Coating

SF Safety factor

CUSTOMER :						
PROJECT :						
TELEPHONE :						
FAX :						
ATTN. :						
FROM :						
DATE :						

## ELECTRICAL SYSTEM :

		R-S-T-N-PE (3 Ph)		R-S-T-PE (3 Ph)		R-N-PE (Single Ph)		R-S-PE (Double Ph)
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## PHASE TO PHASE VOLTAGE (Volt) :

		220 Volt		380 Volt		440 - 460 Volt		Other	
--	--	----------	--	----------	--	-------------------	--	-------	--

## FREQUENCY (Hz) :

		50 Hz		60 Hz	
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## OTHER DETAILS :

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the potential

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[Sales@maxwellautomation.co.id](mailto:Sales@maxwellautomation.co.id)



HIGH SPEED ROLL UP DOORS