

Auto Door! Best-in-Class **TAESUNG AUTO DOOR CO.,LTD**

Taesung auto door Co., Ltd. will lead the market through it advanced technology and know-how.
It has the best technology and offers eco-friendly designs.



TAESUNG AUTO DOOR CO., LTD

The value of convenience! TAESUNG AUTO DOOR!

As the company that has led the popularization of automatic doors, Taesung Auto Door Co., Ltd. it has presence not only in Korea but also in overseas markets to represent Korea's pride with its quality and reliability. We will create the value of convenience for the consumers through advanced technology, unique products and quick customer service.



Business registration certificate



Plant registration certificate



Construction business registration certificate



Corporate affiliated research center



INNO-BIZ confirmation



Quality certification (Q-mark)



Quality management certification (KOR)



Quality management certification (ENG)



TUV



CE



Patent certification (1)



Patent certification (2)

Failure Diagnosis

1. In case an automatic door opens and closes repeatedly without being closed, maintaining an appropriate space.

- Check foreign substance of upper and lower part of rail in case of malfunction caused by obstacles at an operation section
- Check objects swaying in the wind within the scope of sensor

2. In case an automatic door stopped or is bumped into one direction after the door speeds up rapidly regardless of direction

- Check whether or not to wire cables of encoder

3. In case of having a significant difference between the speed of opening and closing despite of efforts to balance the speed of door opening and closing

- Check the state of door installation and external load condition (Checking deflection, horizontality, distortion and foreign substance)

4. In case of using an automatic door after not being used and left for a long time

- Check whether components are corroded due to foreign substance and humidity in the crack of door
- Consult a technical expert

5. In case an automatic door does not work at all

- Check if a sensor and controls are wired and connected
- Check if motor is wired
- Check a power line (Checking a primary power source connecting to an automatic door)
- If it is difficult to open and close an automatic door manually after turning off a power supply, check if something is jammed in the door, and if the lower part of rail is derailed.
- Check if a power supply is input in controls.

6. In case an automatic door is not closed after being opened

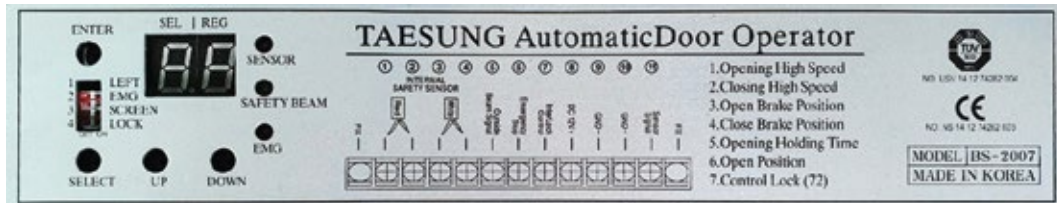
- Check if a mode switch is set in neutral of opening and closing mode.
- Separate electric wirings from sensor and operate it
- Check if there is a sign of door opening on lobby phone
- Check if foreign substance is jammed in a safety beam

7. In case any type of noise occurs

- Check if the upper and lower part of roller or bearings are worn down
- Adjust the speed and break of controls
- Check whether or not to have any noise in motor (damaged due to external shocks or external force or state caused by wear and tear)
- Check the noise of belt (In case of being a big difference between the location of motor pulley and driven pulley)

#. The lifecycle of major components and consumables may be irregular depending on conditions in which an automatic door is used on the spot. We recommend that you use an automatic door by checking it on a regular basis.

Control Manual



SELECT

No.1 : high speed adjustment for opening (1.0-1.E)

No.2 : high speed adjustment for closing (2.0-2.E)

No.3 : low speed adjustment for opening (3.0-3.9)

No.4 : low speed adjustment for closing (4.0-4.9)

No.5 : adjustment of opening time(5.0-5.E); 5.0-5.9(1sec.)/ 5.A-5.E(10sec.)

No.6 : partial opening(6.5-6.9) from 50% to 10% by the configuration unit of 10%

No.7 : lock(7.0-un locked, 7.2-control lock)

No.8 : delayed opening

(8.0-EMG setting / 8.1-delayed opening / 8.2- lock for commuting to work)- signal the ENG terminal

No.9 : delayed opening time (9.1~9A by the configuration unit of 1sec.)

- Product Initialization :

With the mark of '00' on the monitor, push the Enter button for 5 seconds until a signal rings and then the control version appears(e.g. A2).

- Dip switch :

Number 1 ON – opening direction(inside to left)

Number 2 ON – EMG STOP (change of NO/NC at the contact point of panic emergency opening)

Number 3 ON – one touch (for screen)

Number 4 ON – lock setting

-LED :

SENSOR – If a sensor works, the red light is on

SAFETY BEAM- If a safety sensor works, the green light is on(external beam)

EMG- If the panic swing door opens, the yellow light is on

-ERROR CODE

E.0- A button is pushed.

E.1- EMG signal is entered

E.3- The closing location is changed; if such changes are repeated more than three times, the door recognizes it as the set location.

E.5- The encode line is abnormal– test when shock noises are heard right after power supply and if there is any problem, the indicator blinks

E.6- The motor line has a problem – at the same time with encode tests

E.8- Stroke is too short –test after power supply rather than during operation

E.A- CPU Data memories are malfunctioning – replace CPU

BS-2007



Description

This door is controlled by a microcomputer to open and close in a rapid and smooth way. Thanks to the new reduction gear technology, it is not only lessens the brake noise considerably but also starts or counter-rotates faster than products of rival companies. Moreover, the BS-2007 model makes economic sense as it can block external heat by controlling the open space from 50% to 100% by the configuration unit of 10%.



DC Motor

The Special brush boasts of enduring life cycle. In addition, it significantly lessens the brake noise based on the new reduction gear technology, starting or counter-rotating faster.



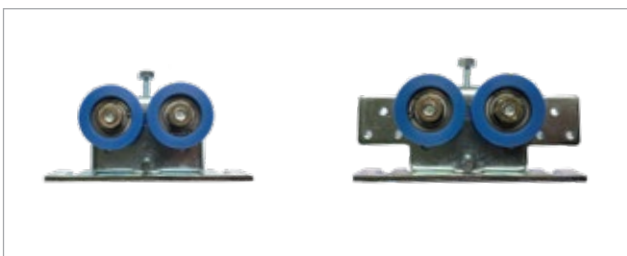
BLDC Motor

It minimizes noise and ensures excellent speed stability because it does not use abrasive brush inside the motor. It has long lifetime and strong durability, and precise control is possible.



Controller

The intelligent microcomputer system always maintains an optimal door status through self-check and controls all functions (safety beam, lock, one-touch tec.) with on button.



Hanger

The hanger is prevented from being twisted when its height is adjusted up to a wide range of 25mm.

General Sliding Auto Door



General Sliding Auto Door

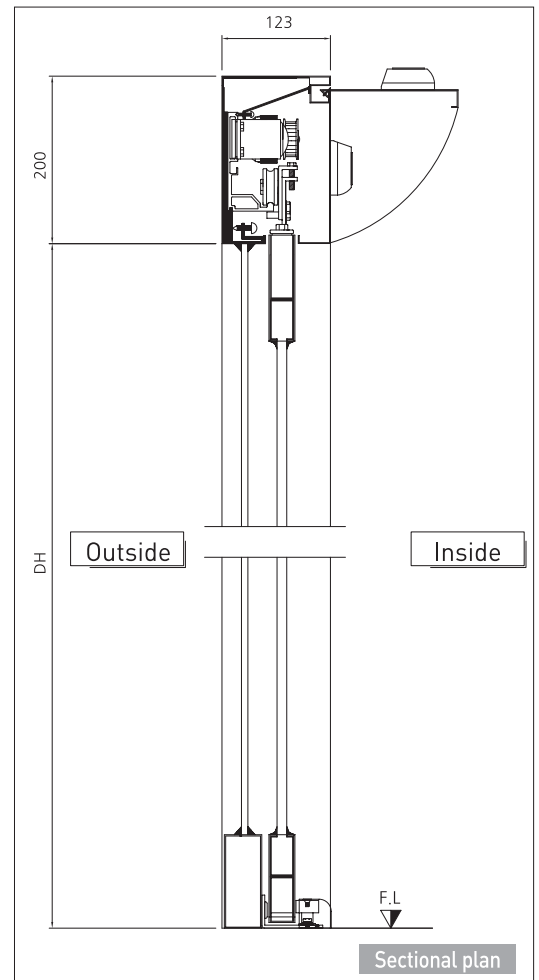
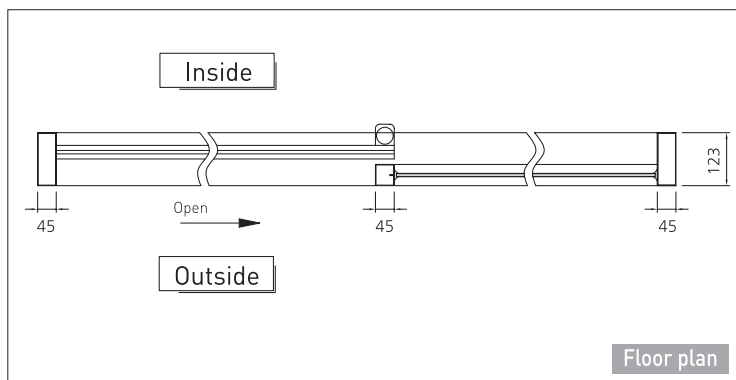
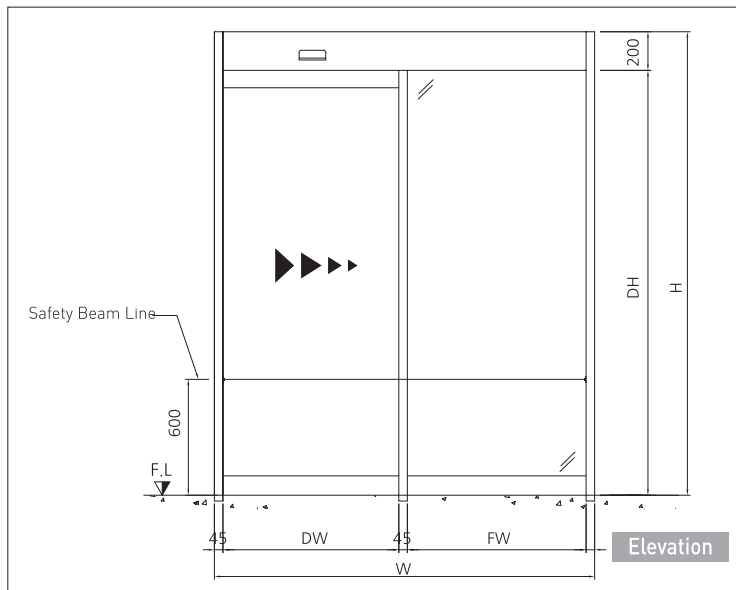
General sliding automatic doors are sliding types which, based on its convenient functions and exceptional performance, can be used as basic features for entrances to stores and retail establishments.

Specification

Driving type		DC-Motor		BLDC-Motor	
Door weight	Single	150kg * 1ea	180kg * 1ea	150kg * 1ea	200kg * 1ea
	Double	120kg * 2ea	150kg * 2ea	120kg * 2ea	170kg * 2ea
Opening & closing speed		300 ~ 800mm/sec			
Power supply		Timing-Belt			
Power		AC 220V / 60Hz ± 20%			
Emergency power supply device(option)		DC 24V 1Ah Ni-CD			
Power consumption		90W	120W	90W	150W



Drawings



Smooth(semi-auto)



Smooth(semi-auto) Door

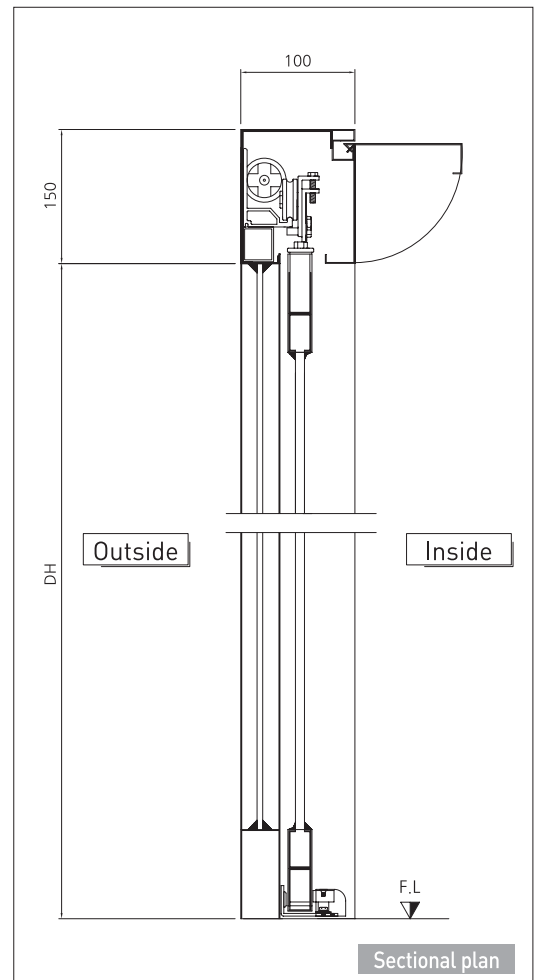
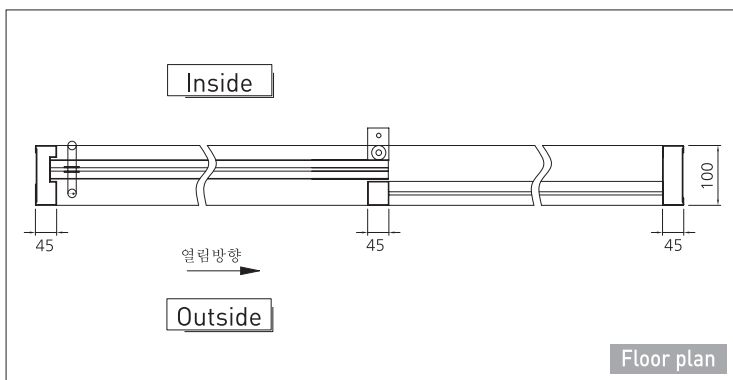
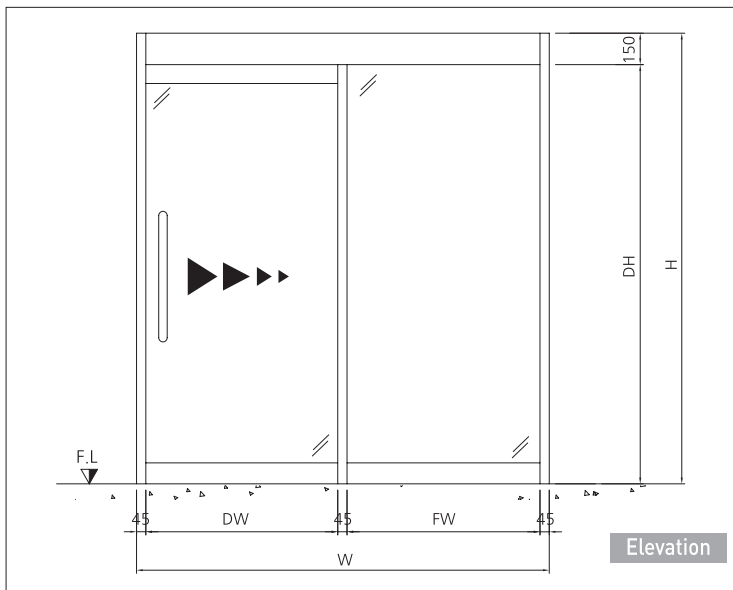
Semi automatic (smooth door) is hanger sliding type semiautomatic system door which can be installed easily in public facilities, educational facilities, hospitals, and facilities for the disabled and senior citizens.

Specification

Driving type	DC-Motor
Door weight	30kg ~ 80kg
Door pole	1600mm
Driving distance	700 ~ 1600mm
Stroke	Full spring
Stop method	Pneumatic



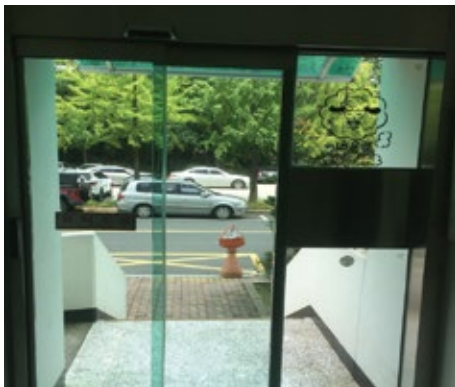
Drawings



➤ Dual Sliding Auto Door ◀

Dual Sliding Auto Door

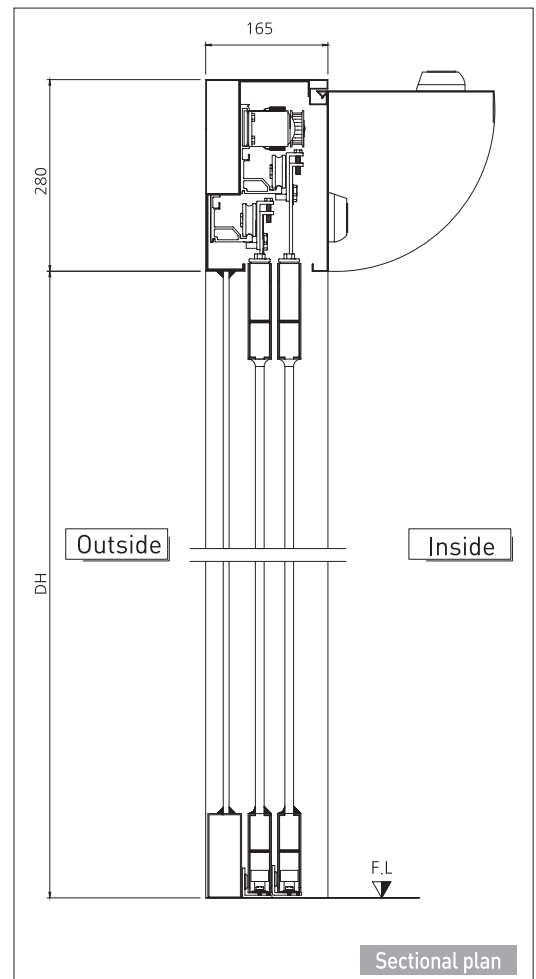
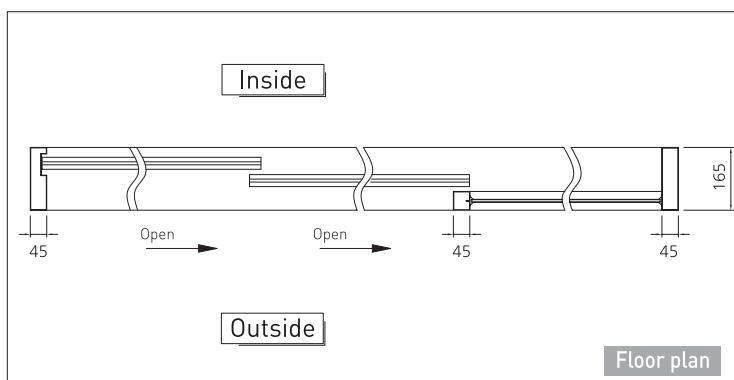
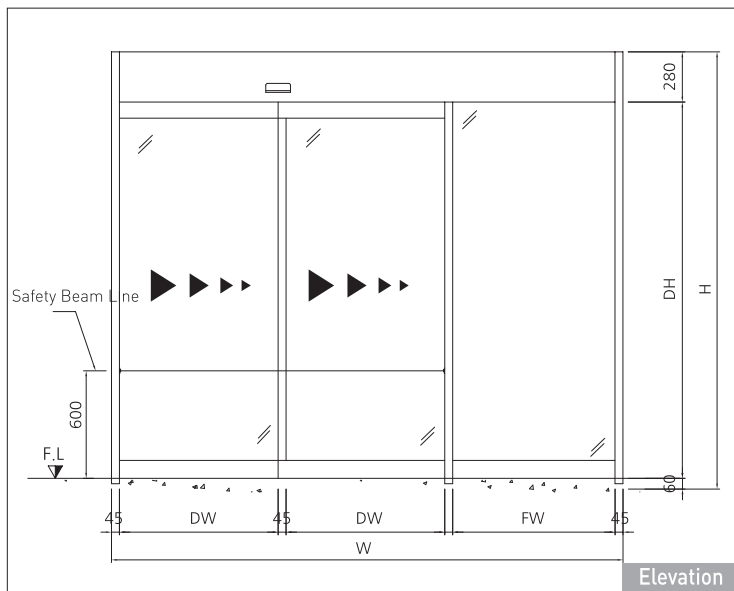
This model allows hospital beds and giant factory cargos to pass easily by using 2/3 of the total space when its two doors open in the direction of one of them



Specification

Driving type		DC-Motor		BLDC-Motor	
Door weight	Single	100kg * 2ea	110kg * 2ea	100kg * 2ea	120kg * 2ea
	Double	80kg * 4ea	90kg * 4ea	80kg * 4ea	100kg * 4ea
Opening & closing speed		300 ~ 800mm/sec			
Power supply		Timing-Belt			
Power		AC 220V / 60Hz ± 20%			
Emergency power supply device(option)		DC 24V 1Ah Ni-CD			
Power consumption		90W	120W	90W	150W

Drawings





Description

Semi automatic (smooth door) is hanger sliding type semiautomatic system door which can be installed easily in public facilities, educational facilities, hospitals, and facilities for the disabled and senior citizens. It has smooth movement, highly durable and has exception spatial movement. Also, because it does not have a separate power device, it is easy to install.



Pneumatic cylinder for closing speed

The pneumatic cylinder controls power when door closes to prevent impact.



Full spring (Speed controller)

By connecting to the hanger through the pulling force, the door closes automatically.



Door holding guide by magnetic

May prevent the derailing of the semiautomatic (smooth) door and may set the opening section.

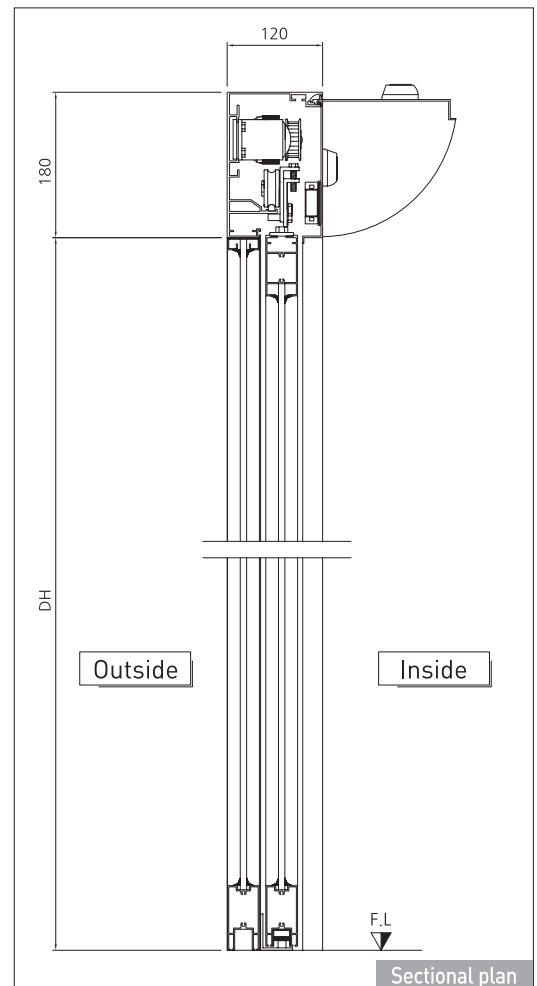
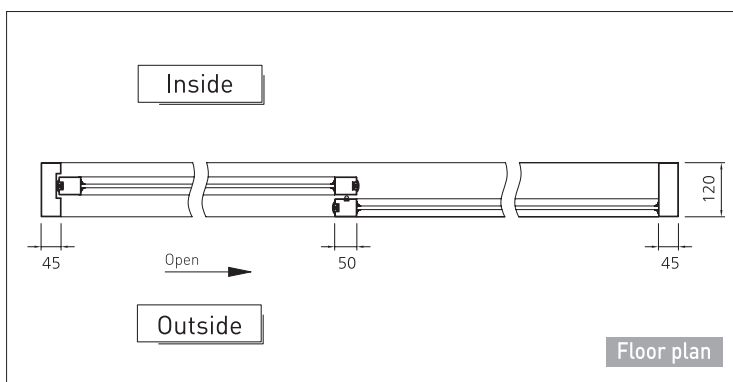
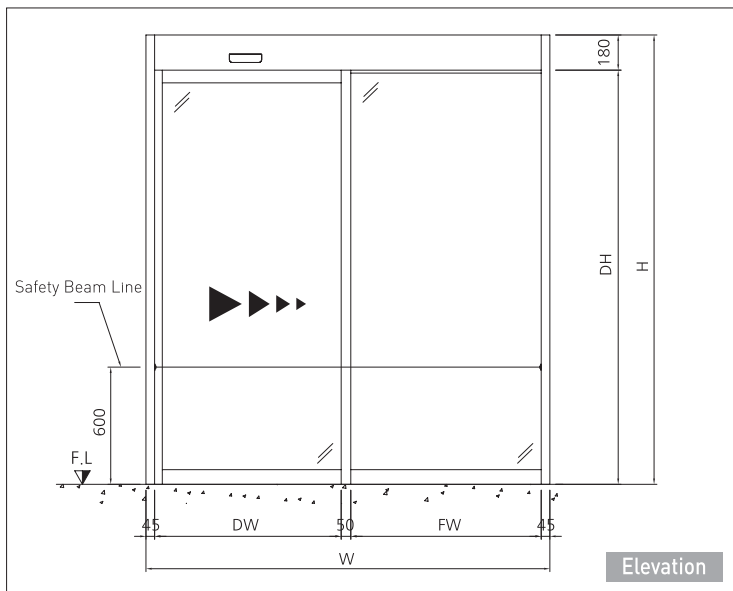
▶ Aluminum Sliding Auto door ◀



Feature

- 120 bar frame capable of being used with fixed glass and curtain walls.
- Easy to install and repair for the engine cover fixed ad 90°.
- No hassle of the engine cover being put off as it has a fixing magnet.
- Rails, a weak point of the unified style, are replaceable.

Drawings (Framework type)





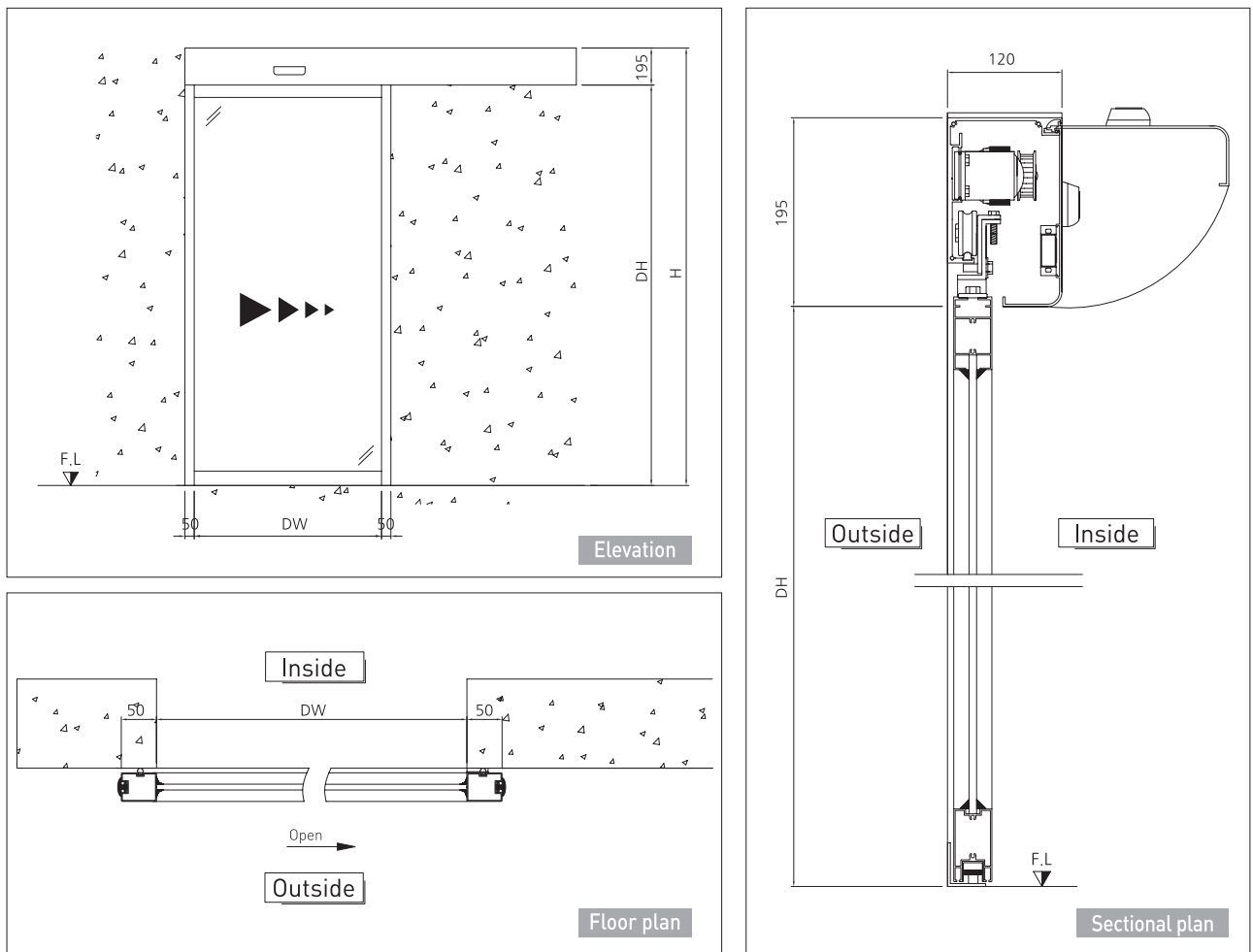
Aluminum Sliding Auto door

This door, which is made in the unified style of the frame and operator, is easy to be set up. This boasts of the company's knowhow that has remarkable effects in preventing connection and saving energy by shutting off the influx of the air using mohair and wind-proof rubber.

Feature

Driving type	DC-Motor	
Type	Single	Double
Door weight	150kg * 1ea	120kg * 2ea
Opening & closing speed	300 ~ 800mm/sec	
Power suply	Timing-Belt	
Power	AC 220V / 60Hz ± 20%	
Emergency power supply device(option)	DC 24V 1Ah Ni-CD	
Power consumption	90W	

Drawings (Engine box ceiling to wall type)



Auto Sliding Installation_



Smooth Door Installation_



Doors for hospitals and clean rooms_

