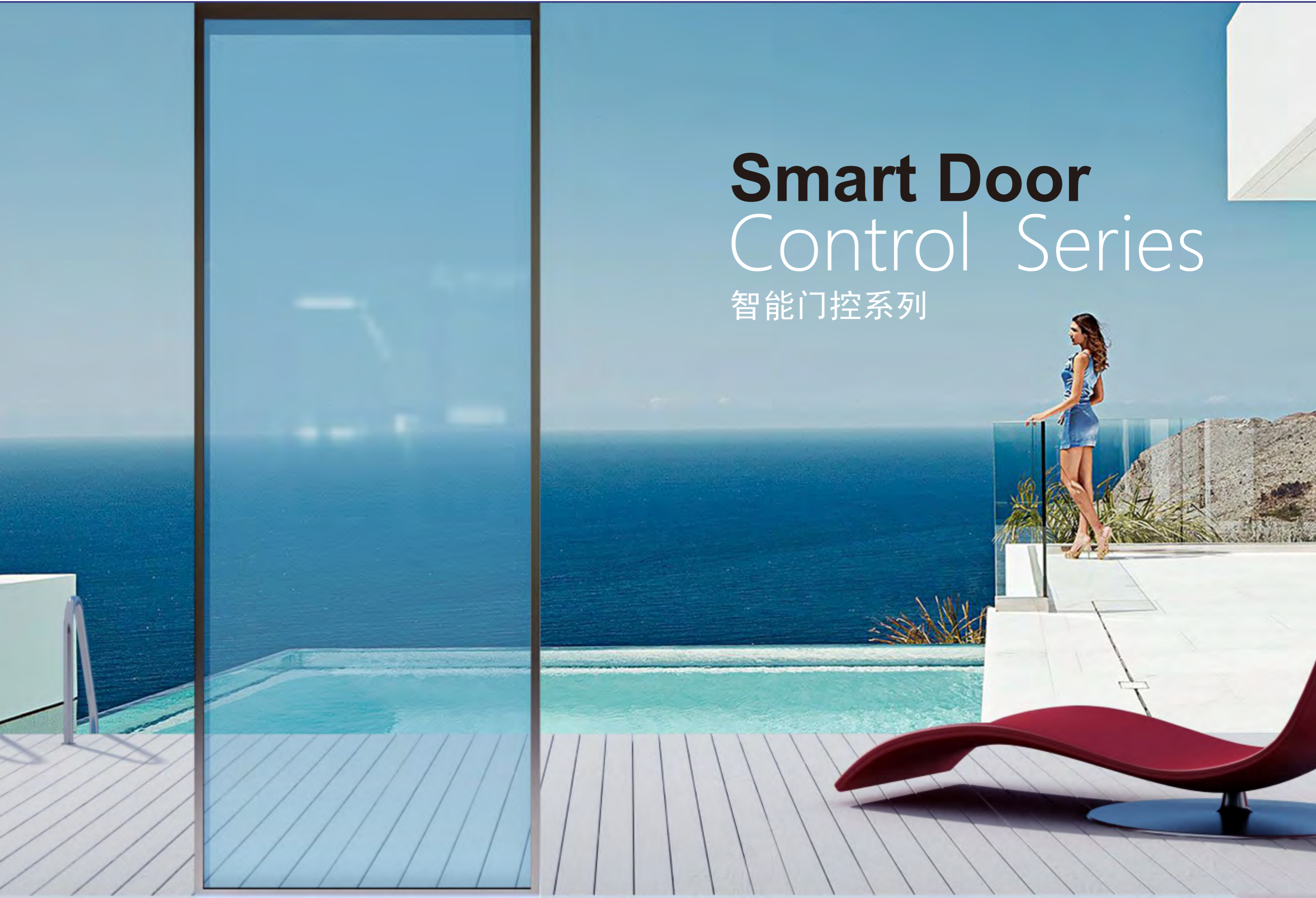


# Smart Door Control Series

智能门控系列





- Powerful**

**Maximum drive door weight 250kg (K20 Series)**

Permanent magnet synchronous motor and high-grade magnets enables a greater torque.
- Ultra silent**

**Less than 50 dB**

The use of a permanent magnet synchronous motor enables the maximum speed of the motor to be 300 rpm, and the operation is ultra quiet.
- Smart**

**Adaptive door weight**

The system automatically detects the door weight and adapts the corresponding torque to keep the door running at a stable speed.
- Long life**

**More than 500,000 cycle test**

Permanent magnet synchronous motor, high-precision bearings, alloy gears, high-precision gear hobbing technology, enable longer service life of the equipment.
- Small size**

**410\*70\*70mm (K20 concealed)**

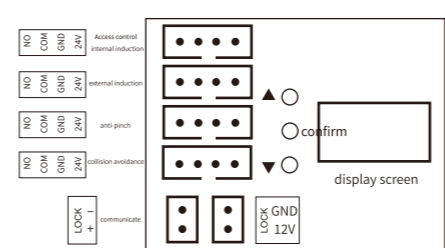
The motor maintains a maximum speed of 300 rpm without complex deceleration design and is smaller.
- Anti pinch**

**Return function in case of obstruction**

When the door is running and bumps into people or other obstacles, the operator quickly determines that it is blocked and runs in reverse direction to ensure safety.
- APP**

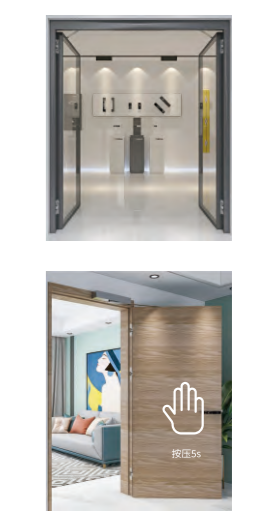
**App debugging**

Mobile app debugging eliminates complex debugging and makes product installation and debugging more convenient.



**Double opening linkage**

Two units are used to control double doors to open synchronously, and only one wire is needed to connect the two sets for communication.



**Hold-open Function**

When the door is fully opened, block it for 5 seconds to activate the Hold-Open function. Just pull the door 5 cm towards the closing direction to restart the usual opening/closing process.

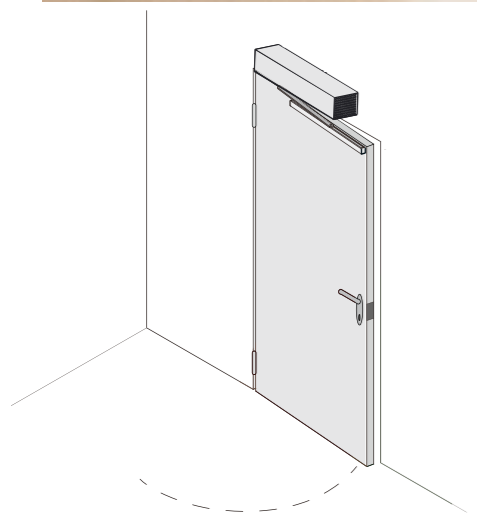
**Power failure push**

In case of power failure, the door can easily be manually opened or closed. The manual operation force is only 20 N.



**Rich interfaces**

The product presents an external interface to facilitate connection of additional equipment and improve the user experience.



hospital



school



Shopping Mall



Office space



Public toilets

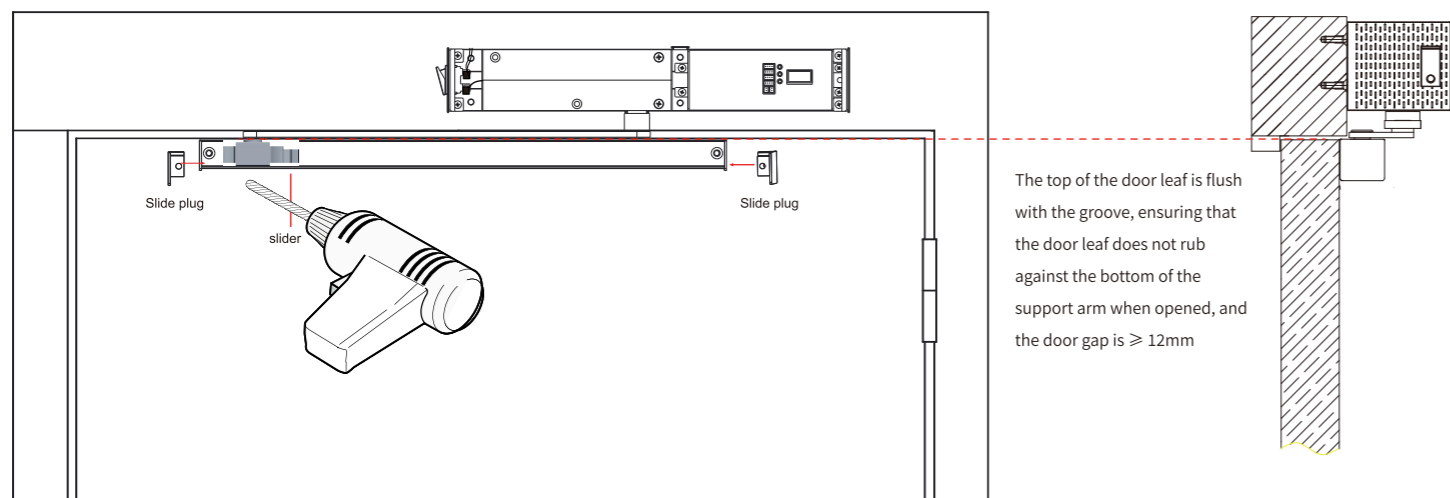
Entrance, rehabilitation center, nursing home, hotel.....



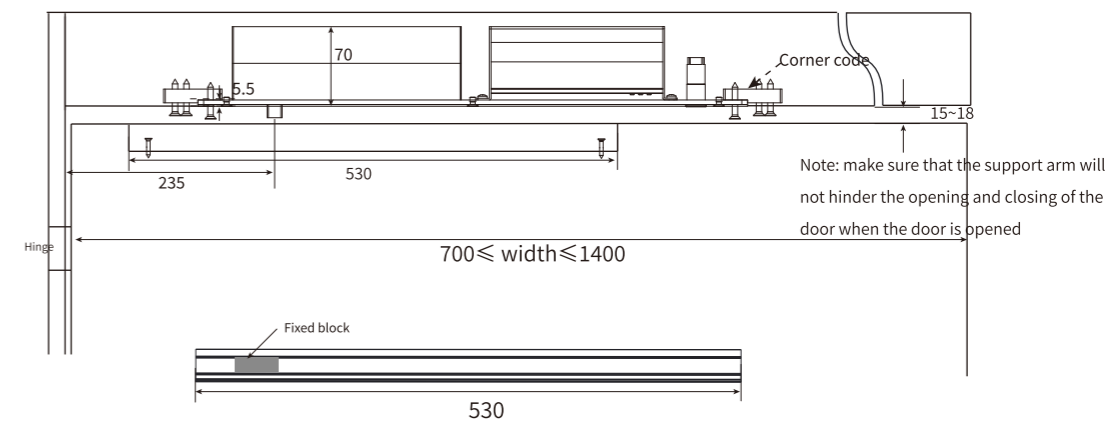
Product model	K20S/C	K15S/C
Product size	<p>Front view      Section view</p> <p><b>K20C</b> Body size: 410*71*70mm Sliding arm size: 530*30*33mm</p>	<p>Front view      Section view</p> <p><b>K15C</b> Body size: 417*52*75.5mm Sliding arm size: 530*29*21mm</p>
	<p>Front view      Section view</p> <p><b>K20S</b> Body size: 410*81*68.5mm Sliding arm size: 530*34.5*32mm</p>	<p>Front view      Section view</p> <p><b>K15S</b> Body size: 420*53*78mm Sliding arm size: 530*21*29mm</p>
Applicable door weight	Maxmum 250kg	Maxmum 150kg
Applicable door width	700-1400mm	700-1100mm
Opening / closing speed	Maximum : 30°/s	Maximum : 30°/s
Motor type	Permanent magnet synchronous motor	Permanent magnet synchronous motor
Maximum torque	60Nm	50Nm
Minimum manual thrust	20N	20N
Applied voltage	110-240v	110-240v
service life	More than 500000 times	More than 500000 times
External interface	support	support
Warranty period	2 year	2 year

Product model	K50S/C	K50 floor spring
Product size	<p>Front view      Section view</p> <p><b>K50C</b> Body size: 536*86*80mm Sliding arm size: 530*30*33mm</p>	<p>Front view      Section view</p>
	<p>Front view      Section view</p> <p><b>K50S</b> Body size: 540*90*82mm Sliding arm size: 530*34.5*32mm</p>	<p>Front view      Section view</p>
Applicable door weight	Maxmum 500kg	Maxmum 500kg
Applicable door width	700-2000mm	700-1500mm
Opening / closing speed	Maximum : 30°/s	Maximum : 30°/s
Motor type	Permanent magnet synchronous motor	Permanent magnet synchronous motor
Maximum torque	200Nm	2000Nm
Minimum manual thrust	20N	20N
Applied voltage	110-240v	110-240v
service life	More than 500000 times	More than 500000 times
External interface	support	support
Warranty period	2 year	2 year

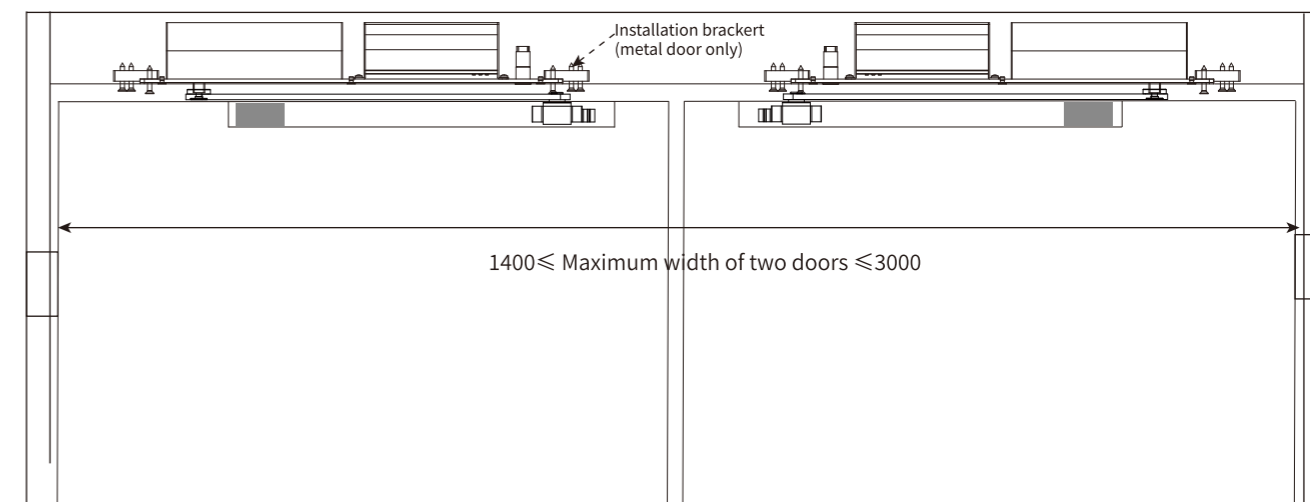
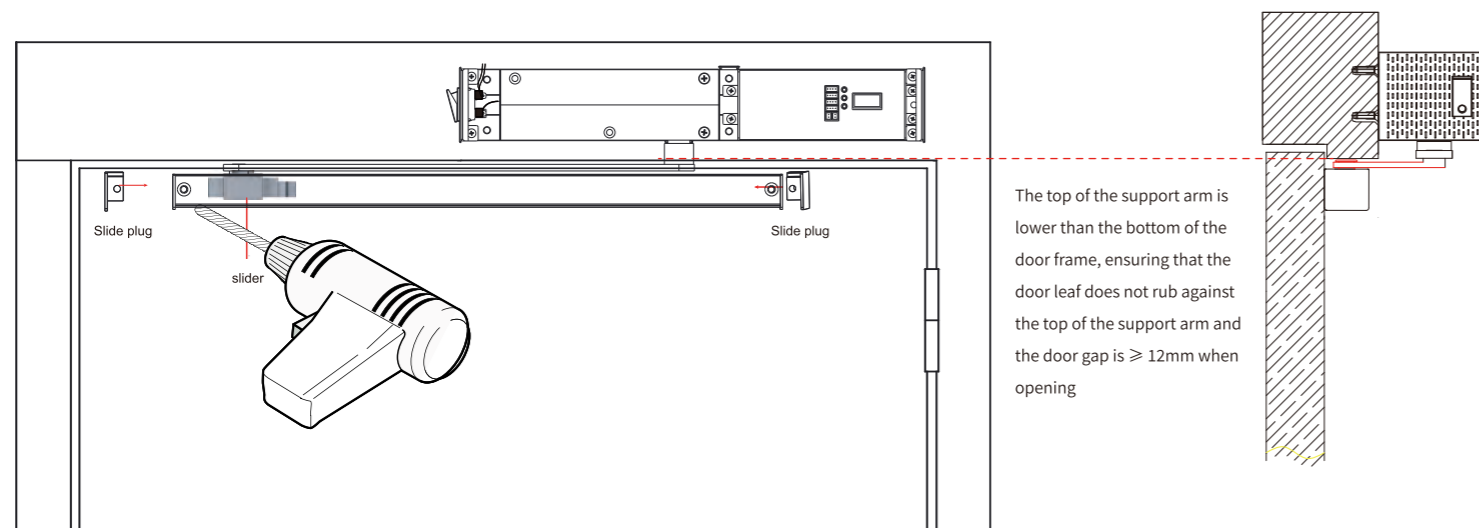
The installation position of the door opener is on the same side as the opening direction



Installation method of concealed door operator (please refer to the product manual for detailed installation dimensions and steps)



The installation position of the door opener is opposite to the opening direction



List of external equipment

The external interface adopts relay (dry contact) signal, which is convenient for external connection of other equipment.



Access control    Electric lock    Microwave induction    Contact free inductive switch    Anti collision sensor    camera sensor



**High torque, ultra quiet**



The use of a permanent magnet synchronous motor, fitted with high-grade magnets, the maximum speed of the motor is 300 rpm, the maximum output torque is 2.4 Nm, and the system does not need reduction gears, which makes the operation more quiet.

**Small size and convenient installation**



The maximum speed of the motor is 300 rpm, without complex deceleration design, small size and more convenient installation.

**APP debugging**

Mobile app debugging eliminates complex debugging and makes product installation and debugging more convenient.



**Operation noise is lower than 50dB**



Noise test comparison	
Phone ring tone	70 Db
A quiet office	50 Db
Direct drive sliding door	<50 Db

**Excellent safety and anti pinch**

When the door is running and bumps into people or other obstacles, the system quickly determines that it is blocked and runs in the opposite direction to ensure safety.

**Life test more than 500,000 cycles**

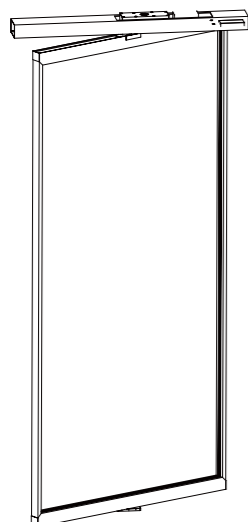
The use of a brushless motor enables the service life to be longer, and the endurance test reaches more than 500,000 cycles.

**Power failure push**



In case of power failure, the door can be easily opened and closed. It only takes 20N to manually open and close the door.

**Application scenario**



Indoor gate



Hotel partition



Office door



cubicle



Access door

Exhibition center gate,  
airport, station,  
supermarket entrance.....

### Intelligent control and automatic direction identification

Ergonomic design, automatically identifies the walking direction, adjusts the opening direction of the system.



### Intelligent multi operators linkage

Multiple doors can be opened and closed synchronously to provide rapid traffic capacity



### Smart push start

Each door can operated independently. Manually push one of them, and the door leaf rotates in the direction of pushing.

Other linked doors do not start, so that users can open the door at will, enhancing the user experience.



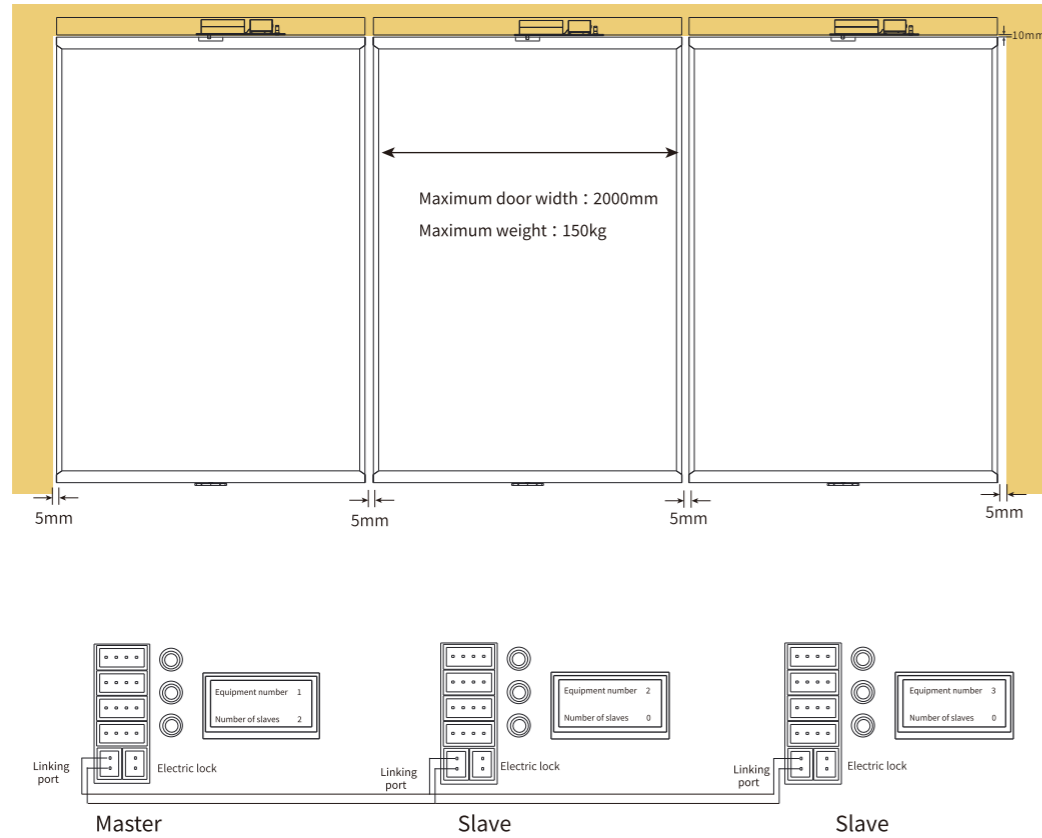
### Precise positioning

The perfect combination of mechanical and electric. All door leaves can be accurately positioned

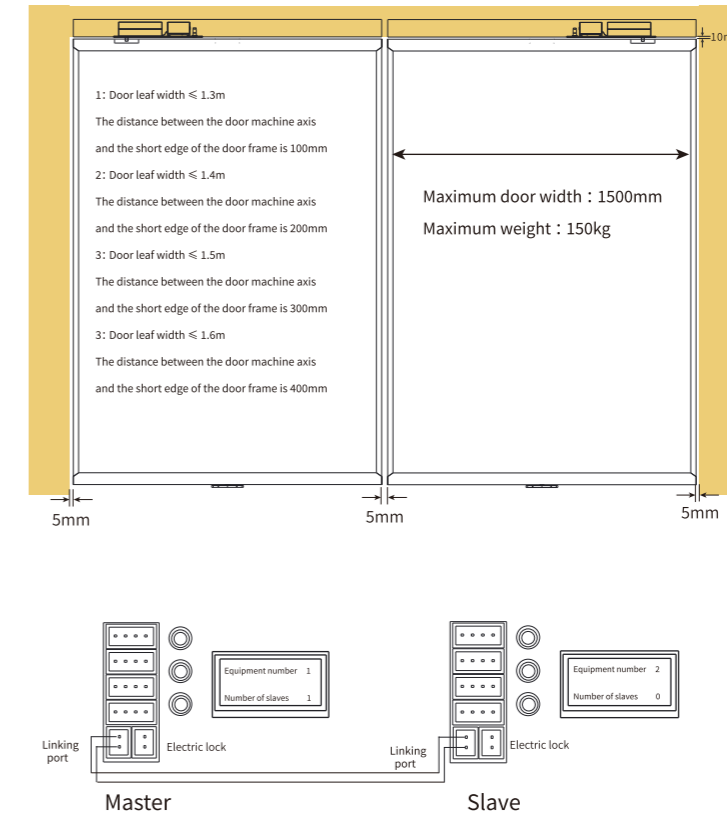
on the same zero position when closed.



## K2PC Central Pivot Door

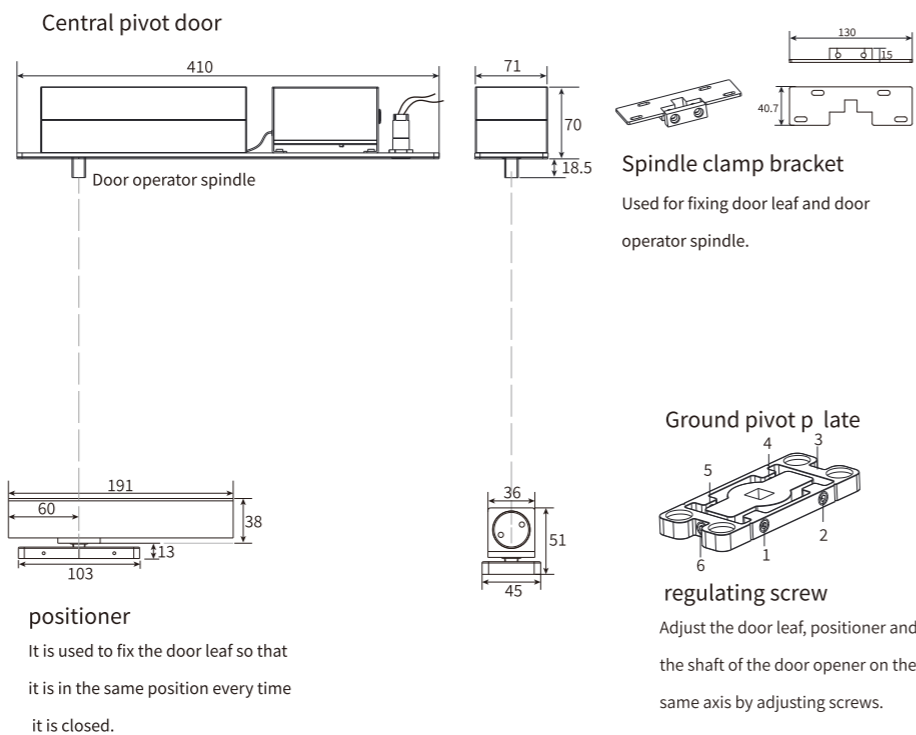


## K20P Pivot door



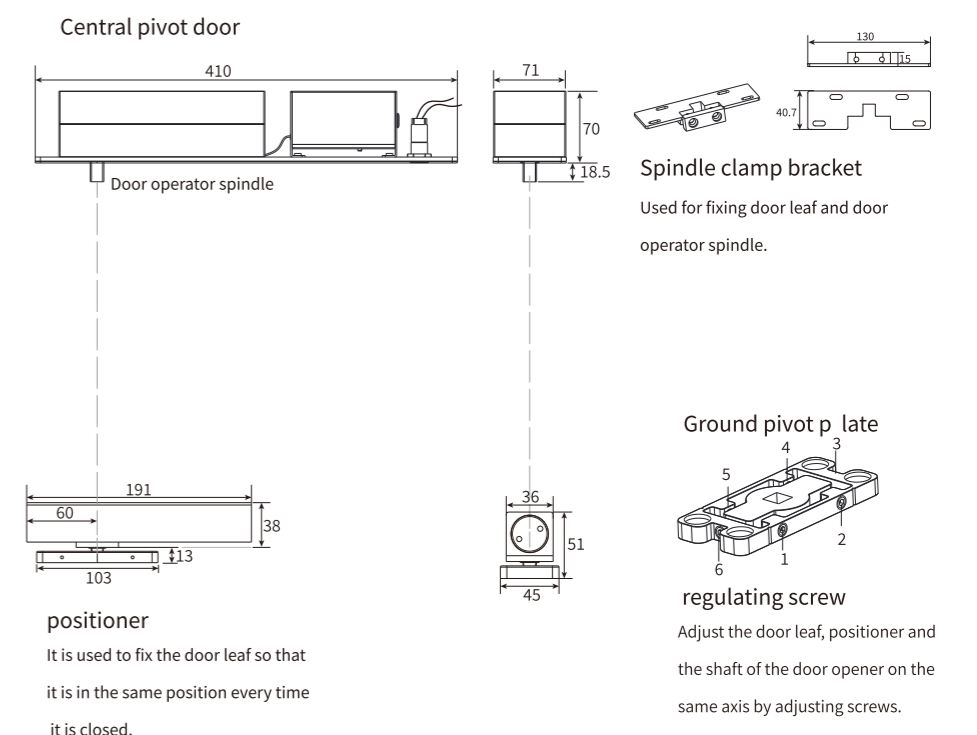
### Product parameters and accessories

- Door form: single door / double door / multiple doors
- Scope of application: Indoor
- Input voltage: AC100-240V 50-60Hz
- Output voltage: dc24v/12v
- Maximum power consumption:  $\leq 120W$
- Static power consumption: 25W
- Opening time: 4-10s (adjustable)
- Door opening holding time: 1-30s (adjustable)
- Resistance sensitivity:
- Opening and closing speed: adjustable in third gear
- Silence requirements: the operating noise is less than 50 dB
- Applicable door weight:  $\leq 150kg$
- Suitable door width: 700-2000mm
- Manual opening force:  $\leq 10N$
- Applicable temperature:  $-30 - 50^{\circ}C$
- Durable performance of repeated opening and closing:  $> 500000$  times

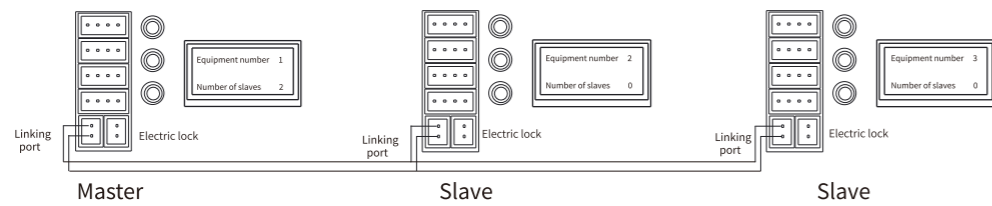
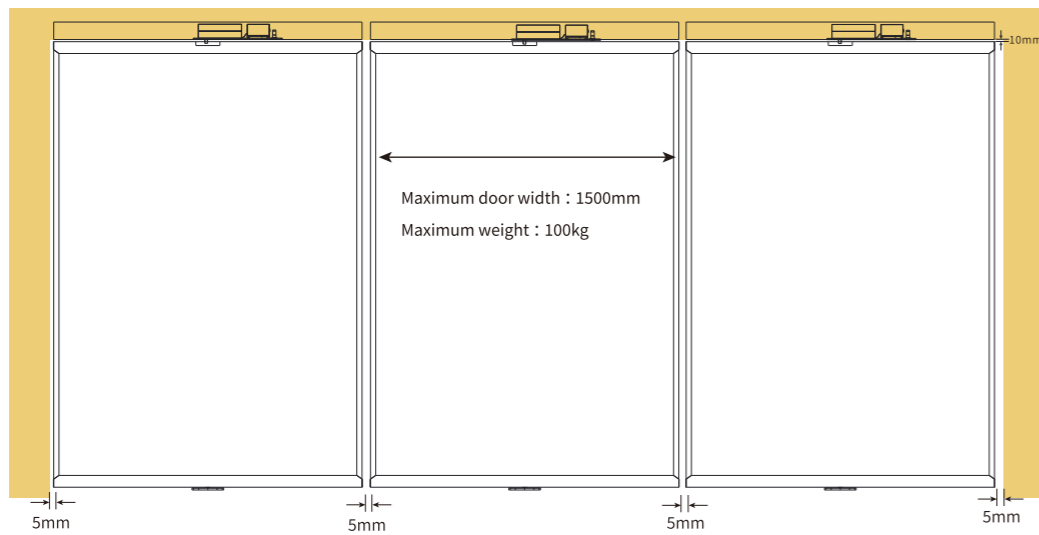


### Product parameters and accessories

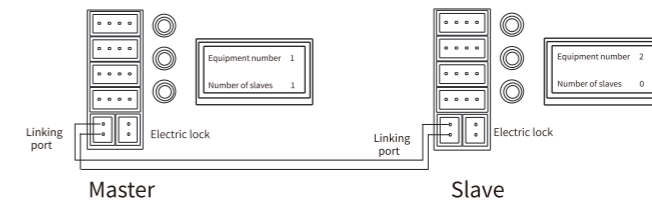
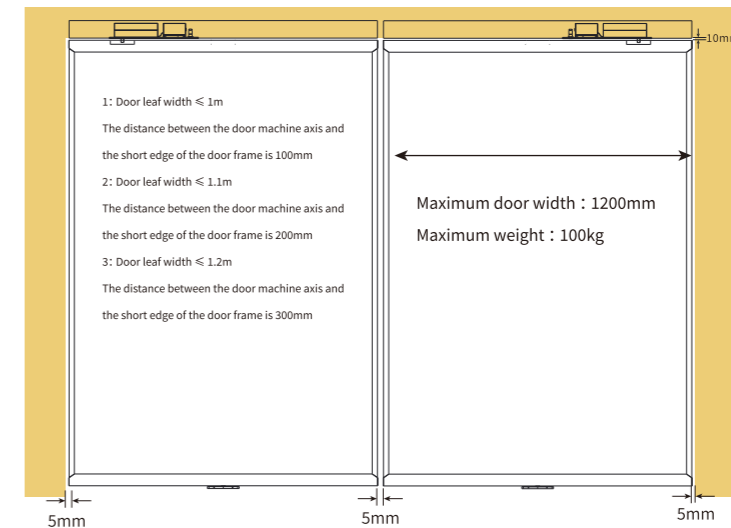
- Door form: single door / double door / multiple doors
- Scope of application: Indoor
- Input voltage: AC100-240V 50-60Hz
- Output voltage: dc24v/12v
- Maximum power consumption:  $\leq 120W$
- Static power consumption: 25W
- Opening time: 4-10s (adjustable)
- Door opening holding time: 1-30s (adjustable)
- Resistance sensitivity:
- Opening and closing speed: adjustable in third gear
- Silence requirements: the operating noise is less than 50 dB
- Applicable door weight:  $\leq 150kg$
- Suitable door width: 700-1500mm
- Manual opening force:  $\leq 10N$
- Applicable temperature:  $-30 - 50^{\circ}C$
- Durable performance of repeated opening and closing:  $> 500000$  times



### K15PC Central Pivot Door

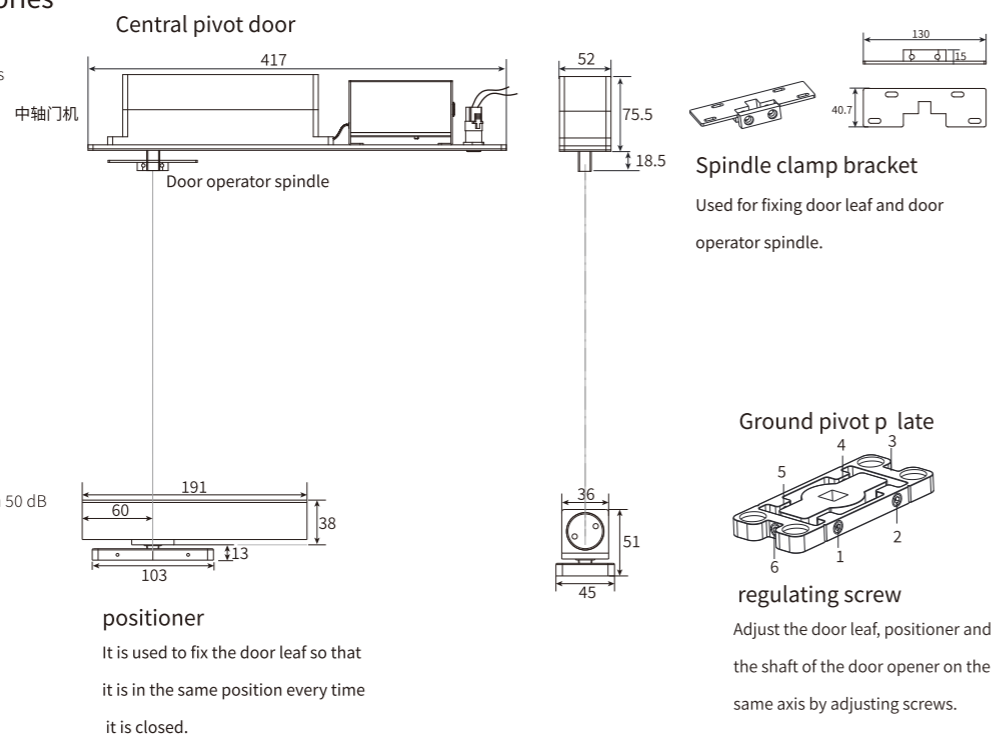


### K15P Pivot door



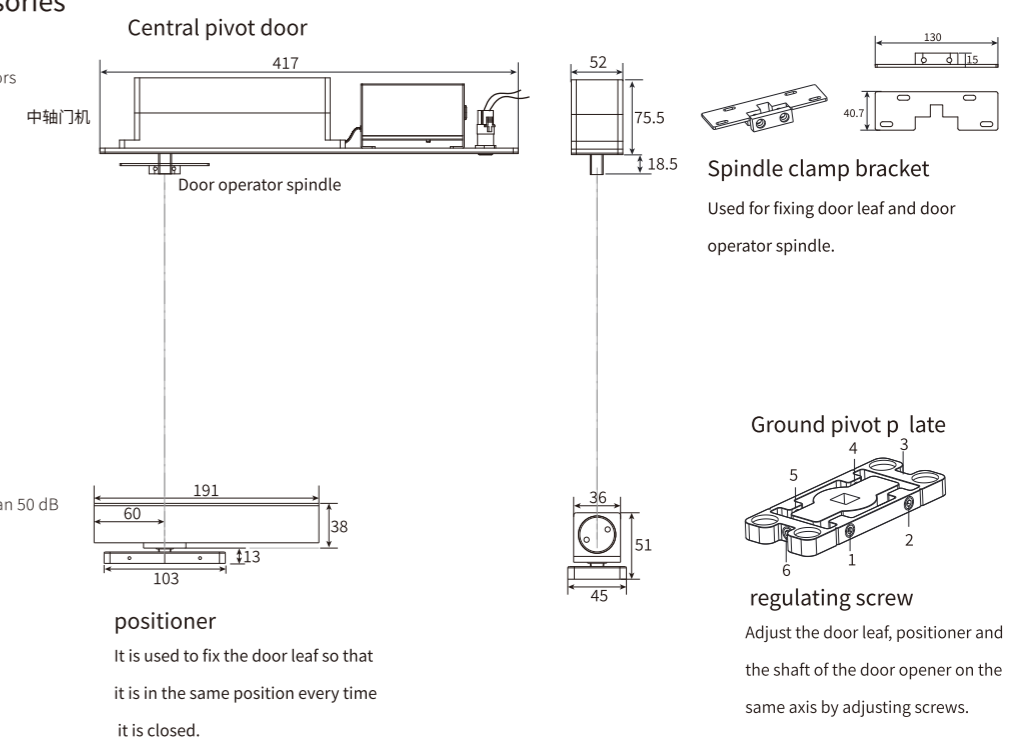
### Product parameters and accessories

- Door form: single door / double door / multiple doors
- Scope of application: Indoor
- Input voltage: AC100-240V 50-60Hz
- Output voltage: dc24v/12v
- Maximum power consumption:  $\leq 120$ W
- Static power consumption: 25W
- Opening time: 4-10s (adjustable)
- Door opening holding time: 1-30s (adjustable)
- Resistance sensitivity:
- Opening and closing speed: adjustable in third gear
- Silence requirements: the operating noise is less than 50 dB
- Applicable door weight:  $\leq 100$ kg
- Suitable door width: 700-1500mm
- Manual opening force:  $\leq 10$ N
- Applicable temperature: -30 - 50 °C
- Durable performance of repeated opening and closing: >500000 times



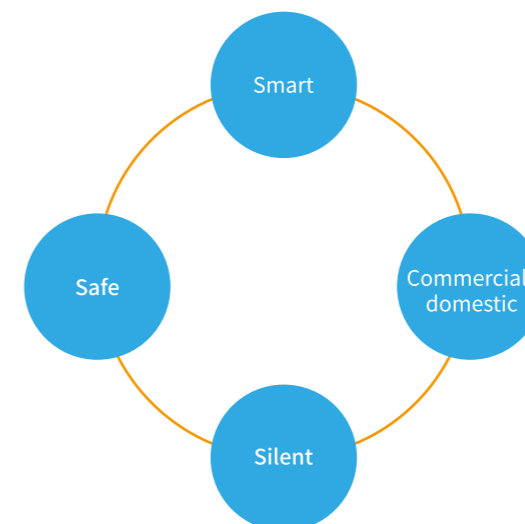
### Product parameters and accessories

- Door form: single door / double door / multiple doors
- Scope of application: Indoor
- Input voltage: AC100-240V 50-60Hz
- Output voltage: dc24v/12v
- Maximum power consumption:  $\leq 120$ W
- Static power consumption: 25W
- Opening time: 4-10s (adjustable)
- Door opening holding time: 1-30s (adjustable)
- Resistance sensitivity:
- Opening and closing speed: adjustable in third gear
- Silence requirements: the operating noise is less than 50 dB
- Applicable door weight:  $\leq 100$ kg
- Suitable door width: 700-1200mm
- Manual opening force:  $\leq 10$ N
- Applicable temperature: -30 - 50 °C
- Durable performance of repeated opening and closing: >500000 times





## The world's leading smart sliding door



Automatic learning function

Resistance protection function

Full hold-open function

Schock protection function

Automatic locking function

### Self learning function

Power on to automatically learn the travel, automatically identify the weight of the door, and adapt the corresponding torque according to the weight of the door, so that the door can maintain a stable running speed.

### High torque, ultra quiet



The use of a permanent magnet synchronous motor, fitted with high-grade magnets, the maximum speed of the motor is 300 rpm, the maximum output torque is 2.4 Nm, and the system does not need reduction gears, which makes the operation more quiet.

### Integrated design of motor and control board.



With the integrated design of motor and control board, there is no complex wiring. This brings an easy installation and after-sales maintenance.

### Less than 50 Db operation noise.



Noise test comparison	
Phone ring tone	70 Db
A quiet office	50 Db
Direct drive sliding door	<50 Db

### Excellent safety and anti pinch

When the door is running and bumps into people or other obstacles, the system quickly determines that it is blocked and runs in the opposite direction to ensure safe operation.

### More than 500,000 cycles test.

The use of a brushless motor enables the service life to be longer, and the endurance test reaches more than 500,000 cycles.

### Product parameter list

Voltage and current	Voltage: 24V 4a (maximum)
Motor type	Permanent magnet synchronous motor
Maximum torque	2.4 Nm
Manual thrust	20N
working temperature	-40°C-60°C
Insulation class	Level B
Door opening / closing speed	200mm/s—400mm/s
Synchronous belt model	HTD-5M

### Manual start

When the door is pulled 5 cm towards the opening direction, the door will automatically open. The door will then automatically close within 5S by default. (The dwell time can be set up to 30 seconds).



### App commissioning

Mobile app debugging eliminates complex debugging and makes product installation and debugging more convenient.



### Auxiliary interface

Abundant external interfaces are reserved to facilitate the external connection of other devices and increase the user's sense of experience.



### Power failure can also be easily turned on

The motor adopts direct drive without reducer, so it can be used as a manual door in case of power failure and other emergencies. The manual operation force is only 20 N.



### List of external equipment

The external interface adopts relay (dry contact) signal to facilitate external connection to other equipment.



Access control device



Electric bolt lock



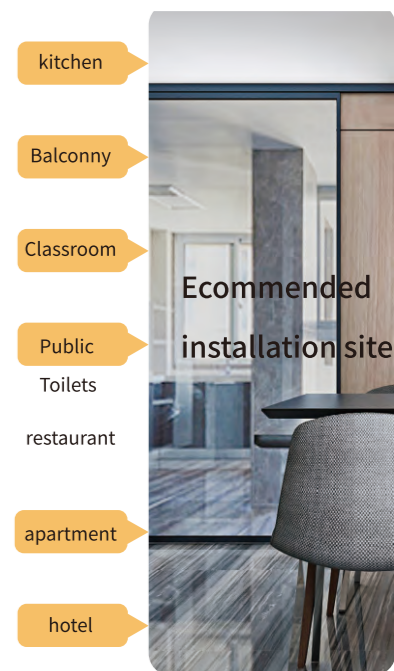
Microwave induction



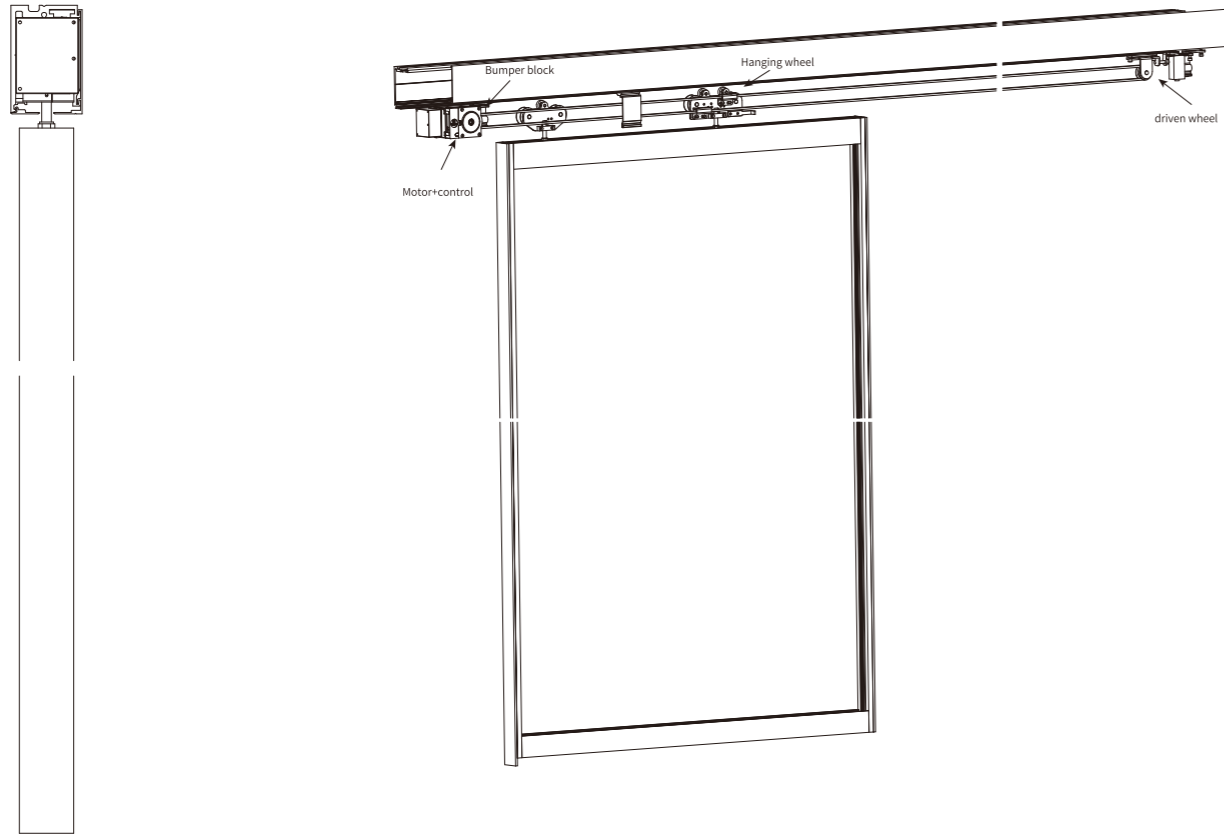
Contact free inductive switch



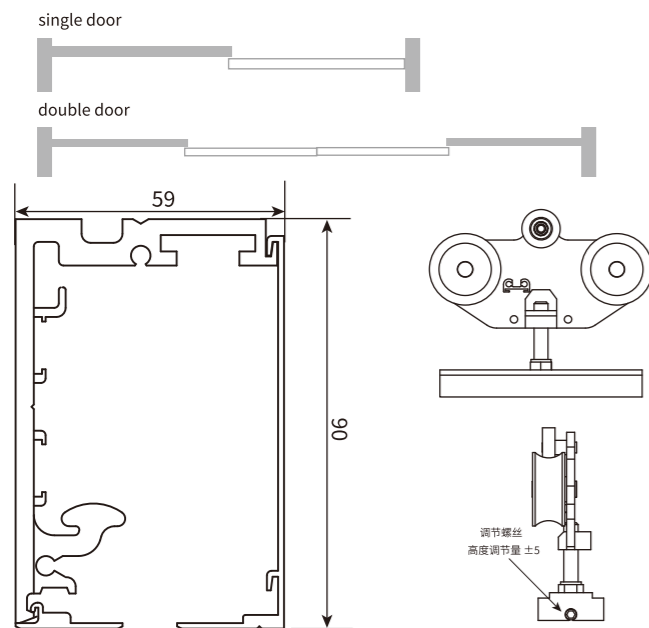
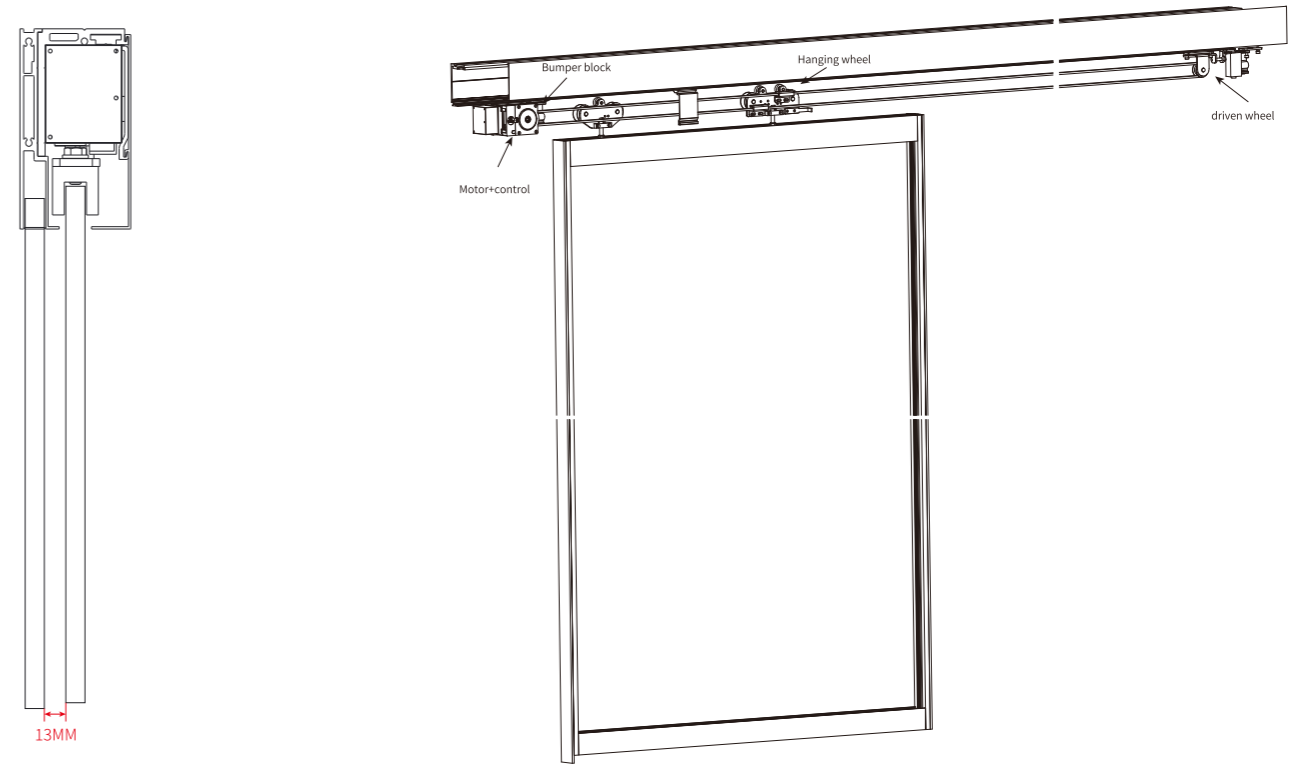
Microwave induction



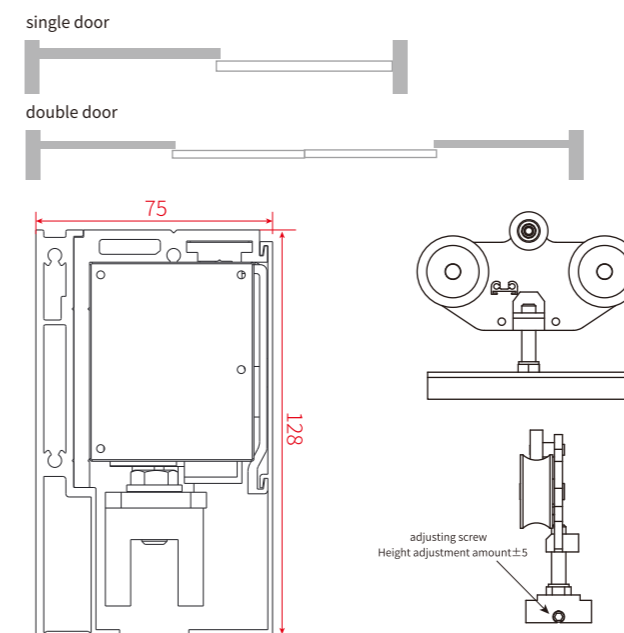
60-B SSD  
Side hung/top mounted sliding door system



60-B SSD  
Side hung/top mounted glass sliding door system

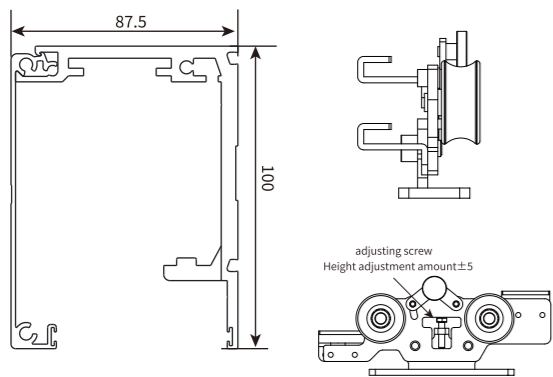
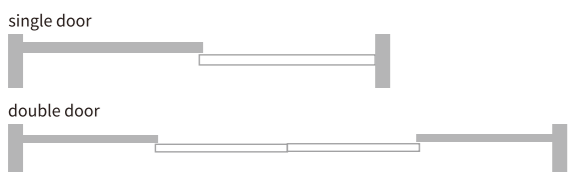
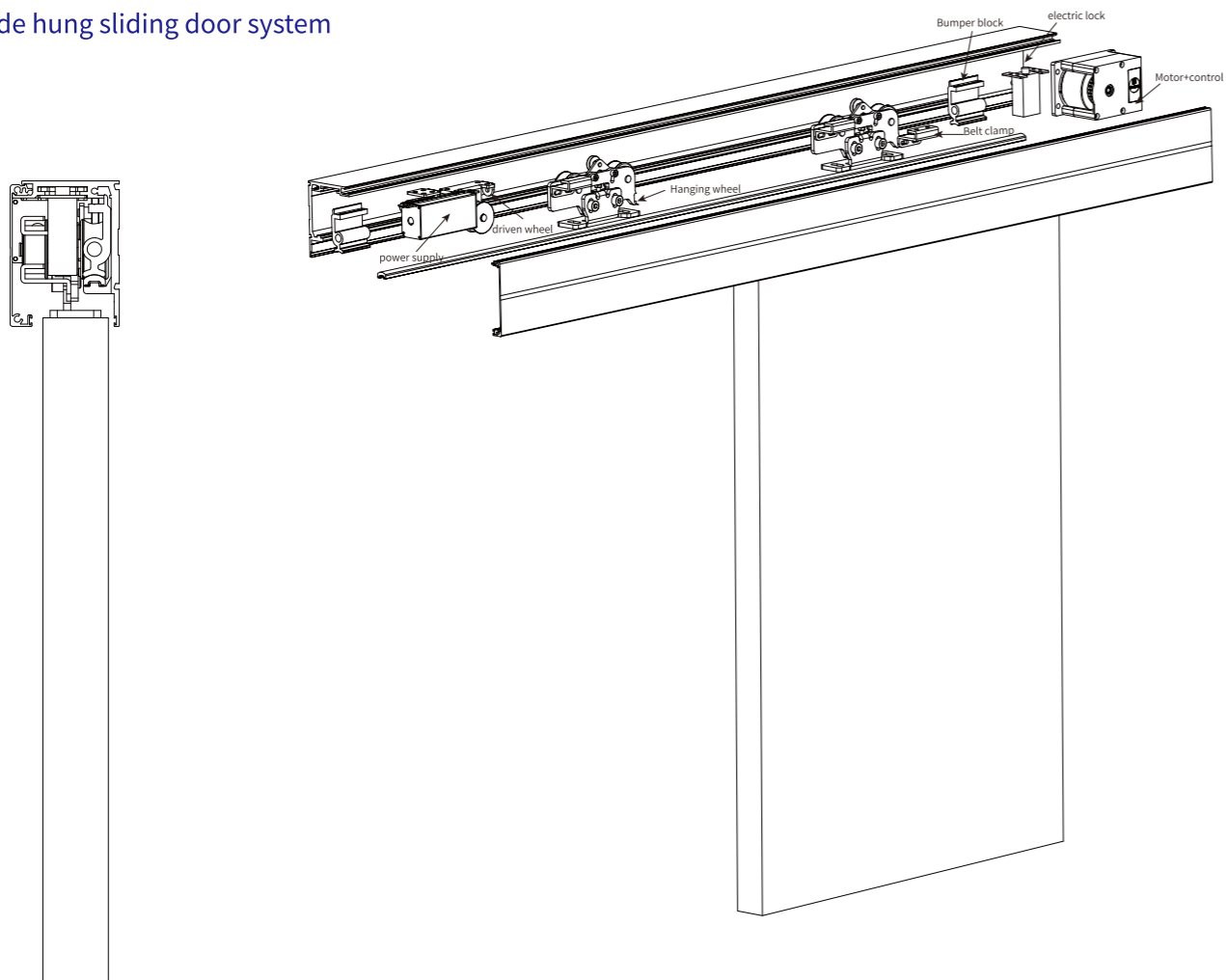


Opening and closing type	Single door	Double door
Door leaf weight (kg) x leaf	150kg	100kgx2
Door leaf width	Minimum width 650mm	
Door opening / closing speed	200mm/s—400mm/s	
Door opening dwell time	0-30s Adjustable	
Input voltage and rated power	Voltage:24V power:100w	
Manual thrust	20N	
Motor type	Permanent magnet synchronous motor	
Maximum torque	2.2 Nm	



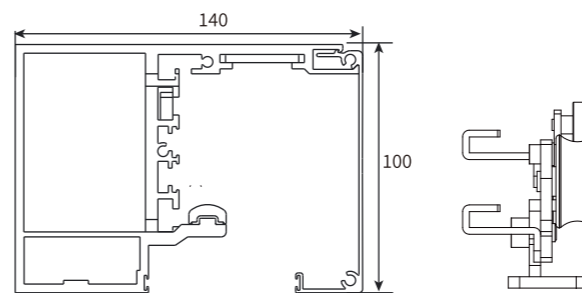
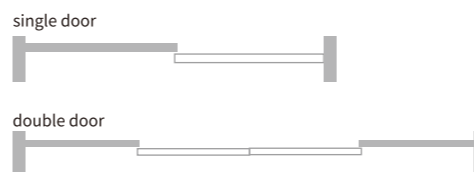
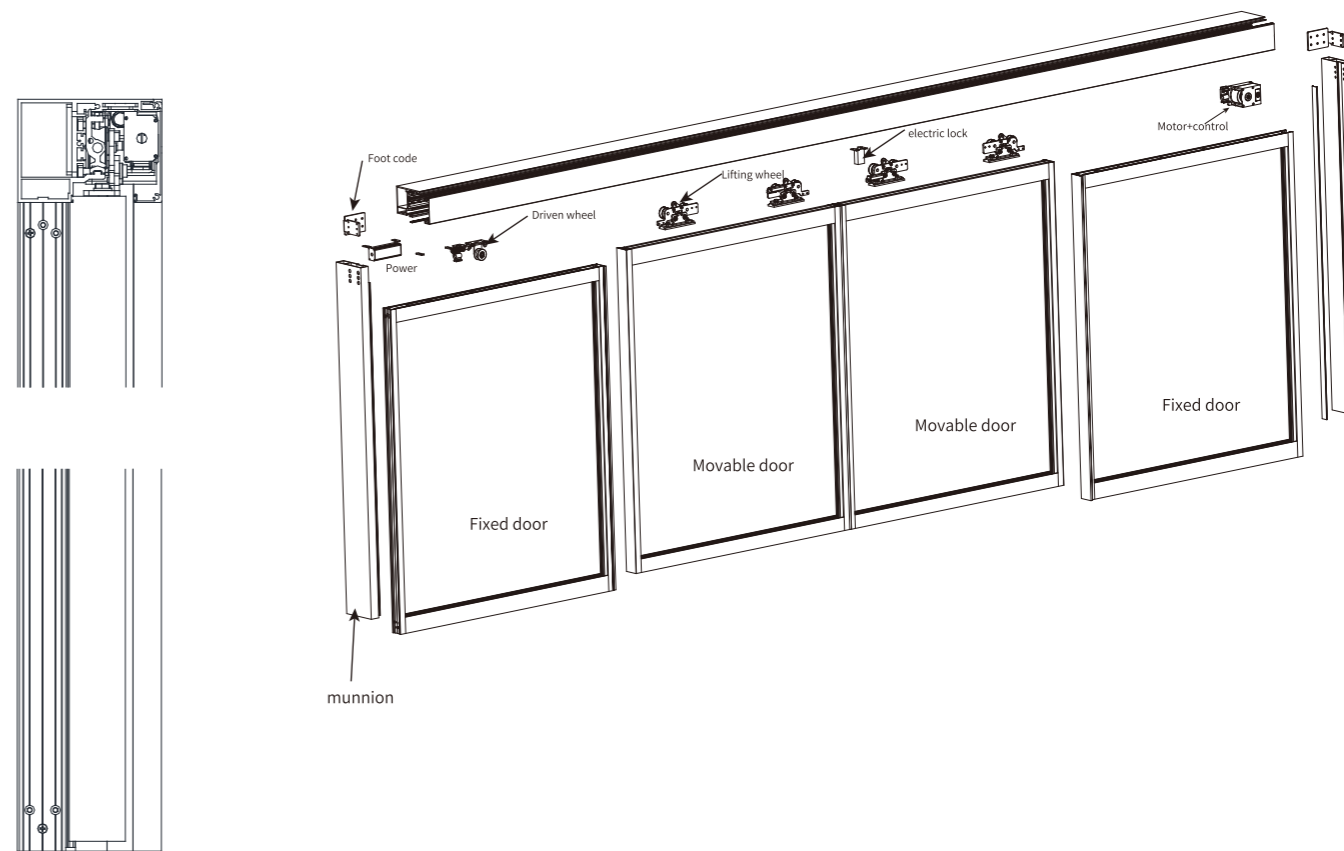
Opening and closing type	Single door	Double door
Door leaf weight (kg) x leaf	150kg	100kgx2
Door leaf width	Minimum width 650mm	
Door opening / closing speed	200mm/s—400mm/s	
Door opening dwell time	0-30s Adjustable	
Input voltage and rated power	Voltage:24V power:100w	
Manual thrust	20N	
Motor type	Permanent magnet synchronous motor	
Maximum torque	2.2 Nm	

60-A SSD  
Side hung sliding door system



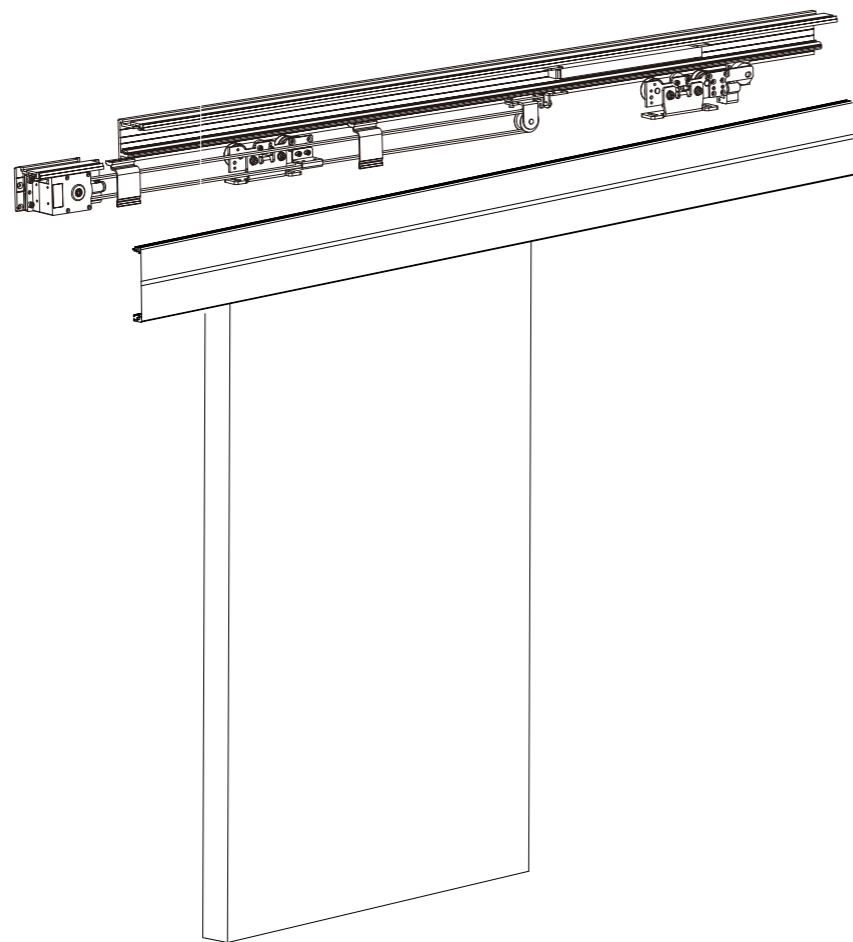
Opening and closing type	Single door	Double door
Door leaf weight (kg) x leaf	180kg	100kgx2
Door leaf width	Minimum width 650mm	
Door opening / closing speed	200mm/s—400mm/s	
Door opening dwell time	0-30s Adjustable	
Input voltage and rated power	Voltage:24V power:100w	
Manual thrust	20N	
Motor type	Permanent magnet synchronous motor	
Maximum torque	2.2 Nm	

60 DSD  
double sliding door system

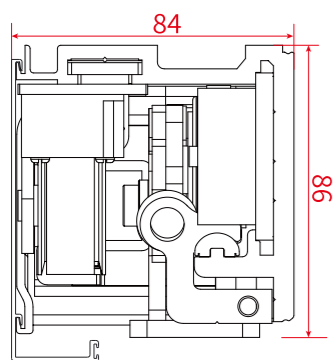
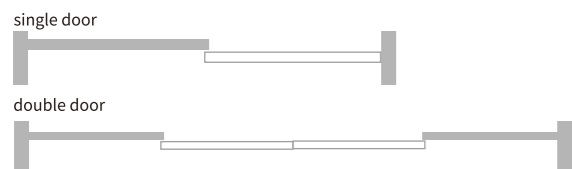
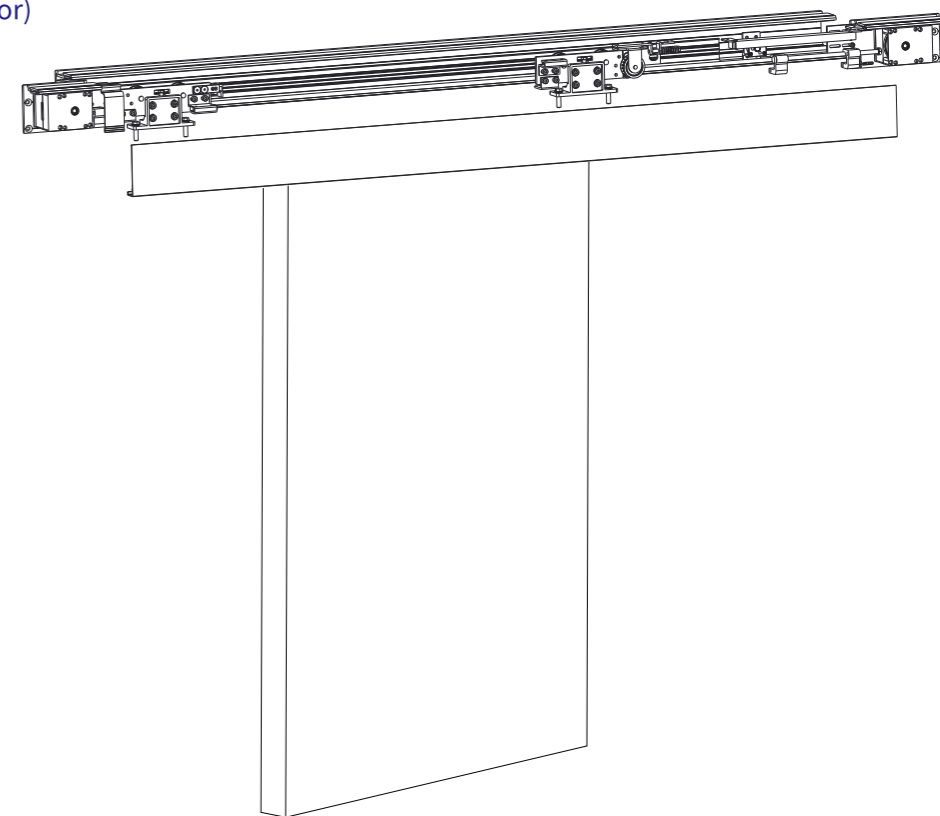
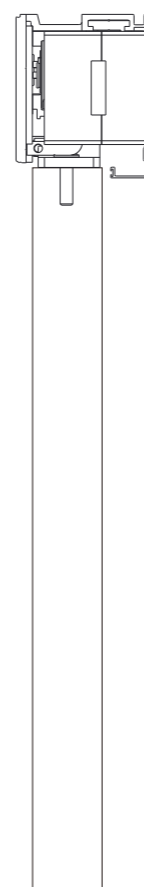


Opening and closing type	Double door
Door leaf weight (kg) x leaf	100kgx1
Door leaf width	Minimum width 650mm
Door opening / closing speed	200mm/s—400mm/s
Door opening dwell time	0-30s Adjustable
Input voltage and rated power	Voltage:24V power:100w
Manual thrust	20N
Motor type	Permanent magnet synchronous motor
Maximum torque	2.2 Nm

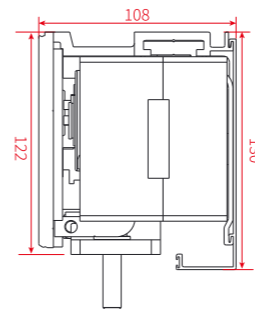
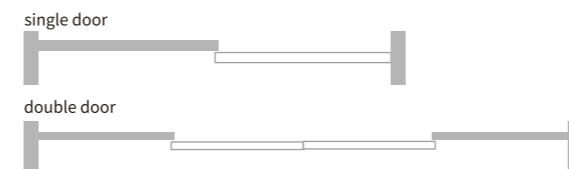
60 direct drive (single/dual motor)  
Side hung sliding door system



80 direct drive (single/dual motor)  
Side hung sliding door system

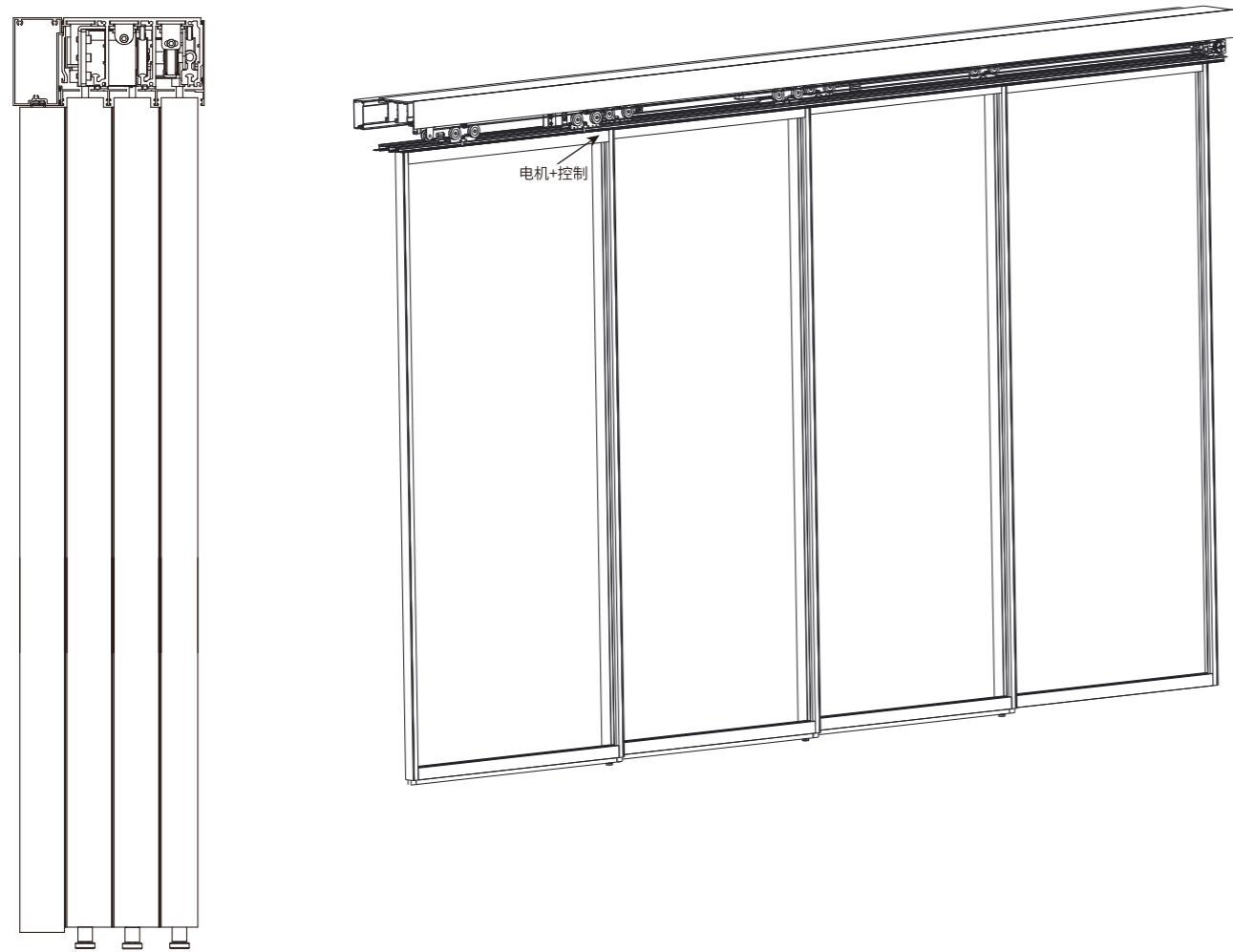


Opening and closing type	Single door	Double door
Single motor Door leaf weight (kg) x leaf	150kgx1	100kgx2
two motors Door leaf weight (kg) x leaf	300kgx1	150kgx2
Door leaf width	Minimum width 650mm	
Door opening / closing speed	200mm/s—400mm/s	
Door opening dwell time	0-30s Adjustable	
Input voltage and rated power	Voltage:24V power:100w	
Manual thrust	20N	
Motor type	Permanent magnet synchronous motor	
Maximum torque	2.2 Nm	

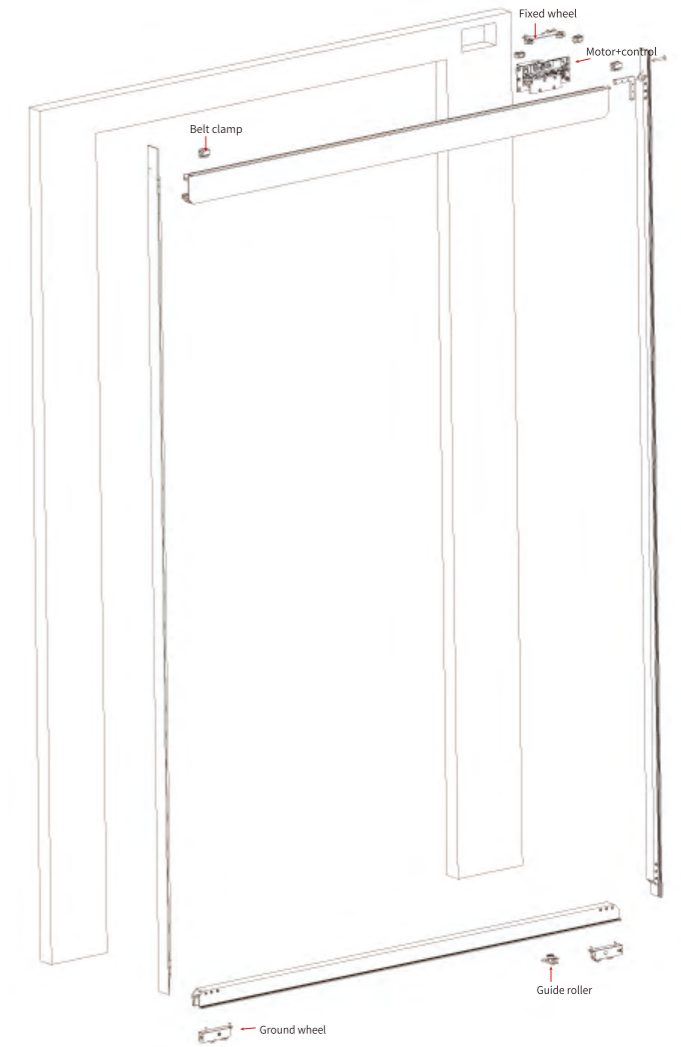
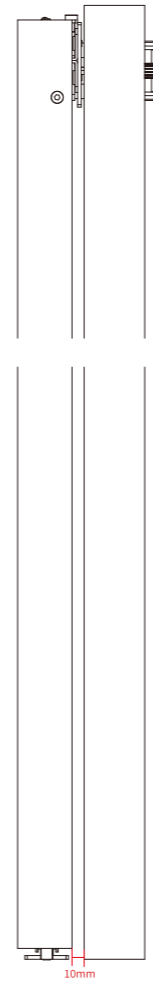


Opening and closing type	Single door	Double door
Single motor Door leaf weight (kg) x leaf	350kgx1	250kgx2
two motors Door leaf weight (kg) x leaf	500kgx1	500kgx2
Door leaf width	Minimum width 1000mm,	
Door opening / closing speed	200mm/s—400mm/s	
Door opening dwell time	0-30s Adjustable	
Input voltage and rated power	Voltage:48v Power:100W	
Manual thrust	20N	
Motor type	Permanent magnet synchronous motor	
Maximum torque	3.7Nm	

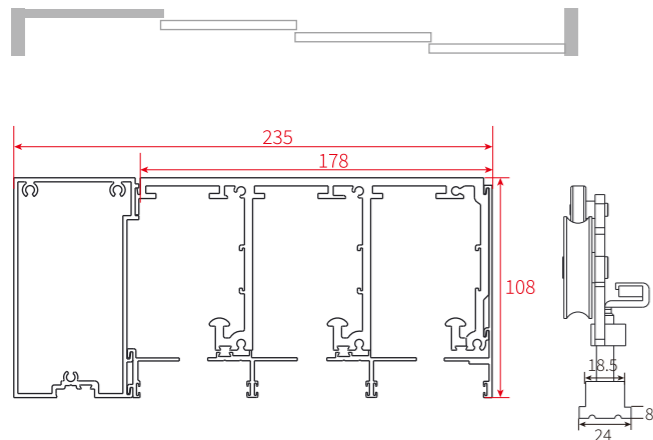
60 direct drive  
Linkage door system



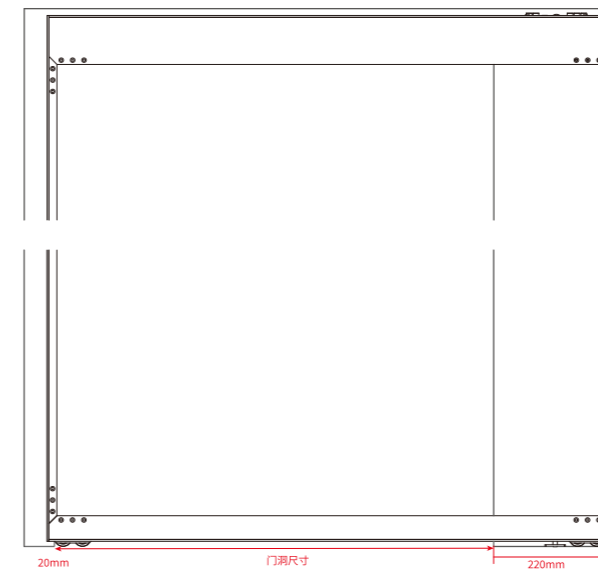
40 direct drive  
CHOST door System



3 Synchronised doors :2+1/3+0/3+1



Opening and closing type	3 Synchronised doors
Door leaf weight (kg) x leaf	100kgx3
Door leaf width	Minimum width 650mm, maximum width 1500mm
Door opening / closing speed	200mm/s—400mm/s
Door opening dwell time	0-30s Adjustable
Input voltage and rated power	Voltage:110-240v power:100w
Manual thrust	20N
Motor type	Permanent magnet synchronous motor
Maximum torque	2.2 Nm



Opening and closing type	Single door
Door leaf weight (kg) x leaf	80kgx1
Door leaf width	Minimum width 650mm, maximum width 1000mm
Door opening / closing speed	200mm/s—400mm/s
Door opening dwell time	0-30s Adjustable
Input voltage and rated power	Voltage:24V power:100w
Manual thrust	10N
Motor type	Permanent magnet synchronous motor
Maximum torque	1.2 Nm



## Magnetic levitation sliding door system



### Intelligent security

Adopting advanced vector control methods, it is sensitive to obstacles and has a fast response speed, avoiding the occurrence of pinch injuries

### Stable and durable

Advanced vector control method makes the door leaf more stable during movement  
Direct drive motor, simple structure, no lifespan limit

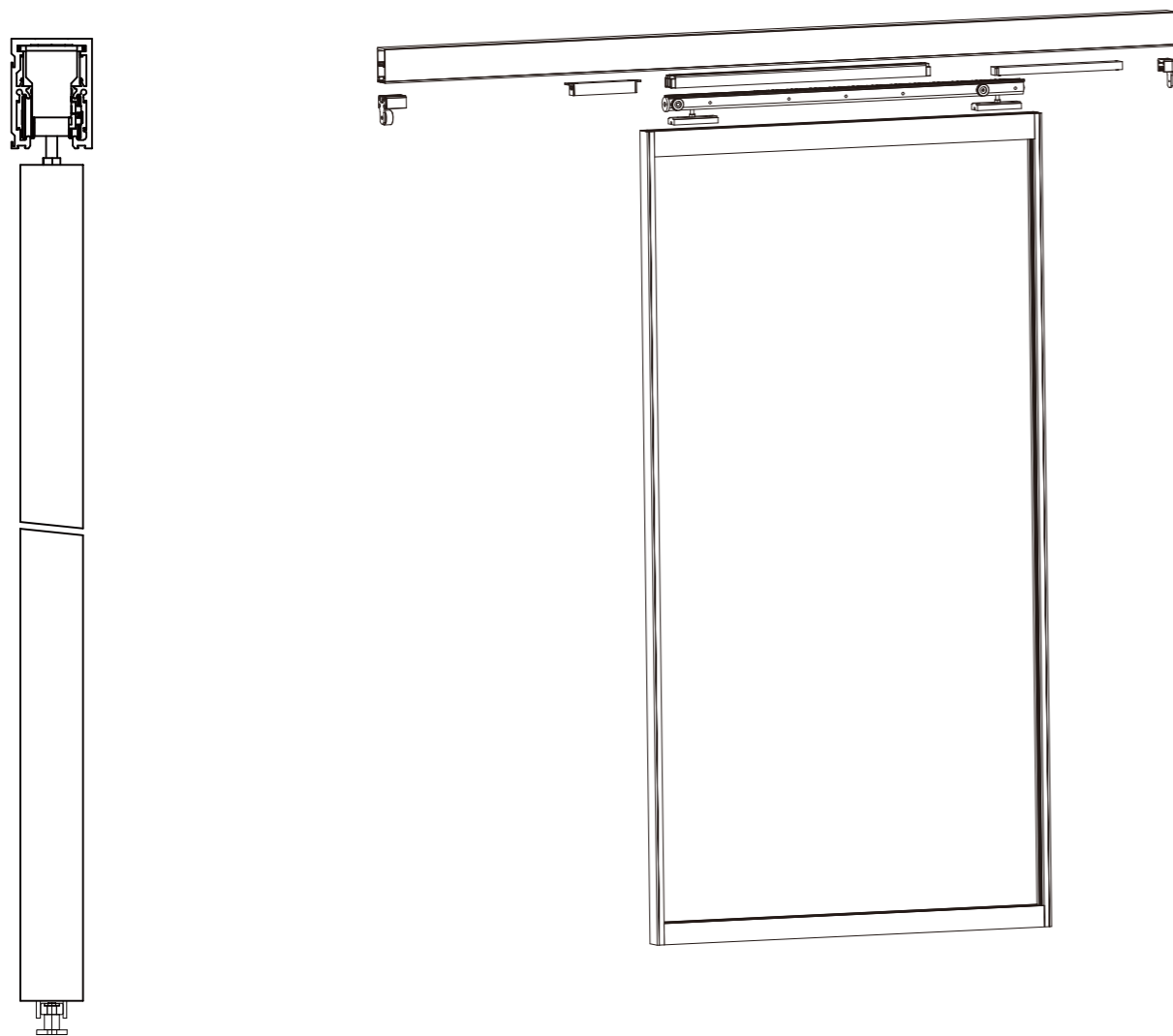
### Silent and comfortable

The motor has no noise (no gear structure, transmission sound)

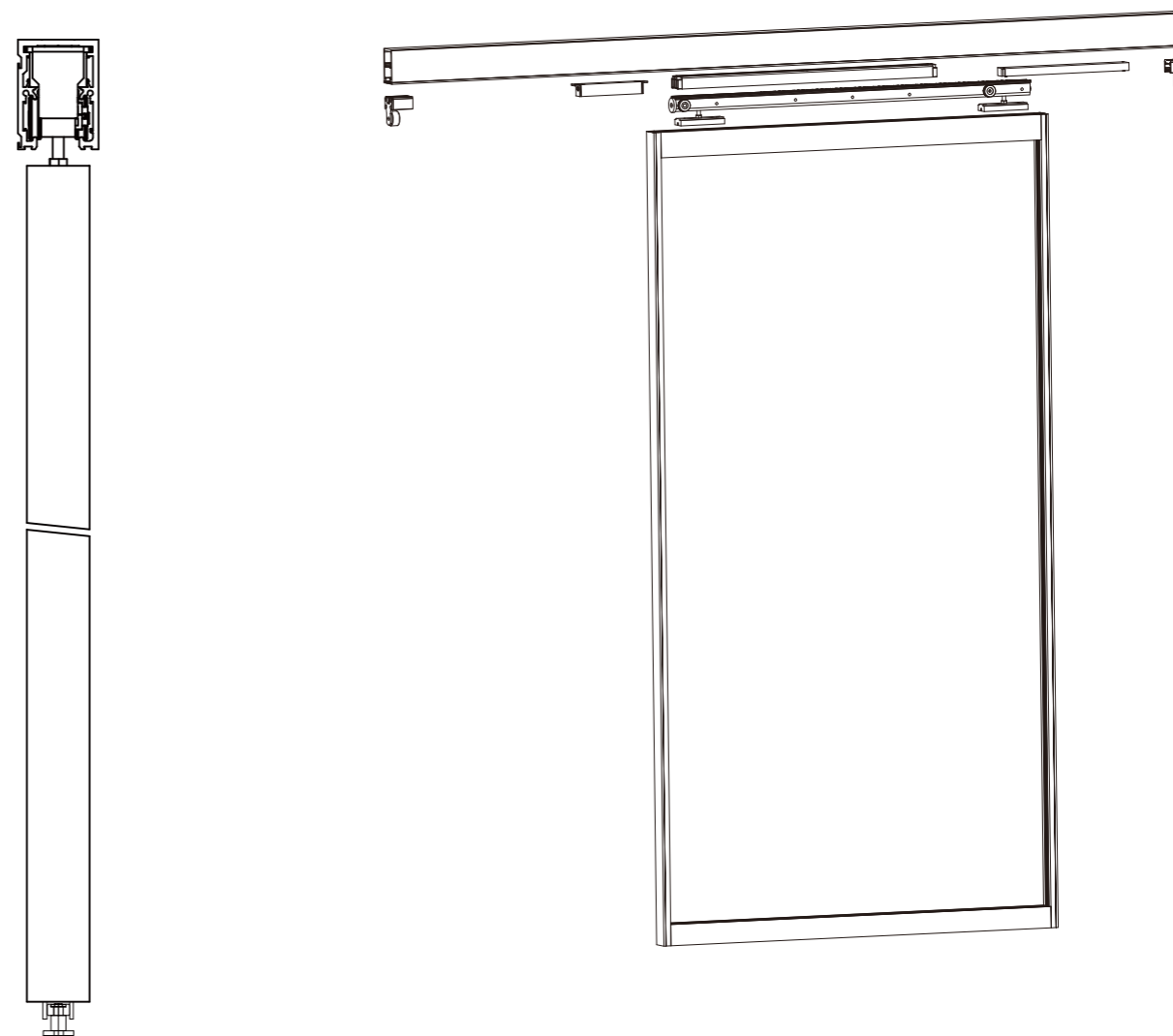
### Convenient maintenance

Simple structure, no need to disassemble or assemble the door leaf for maintenance, more convenient

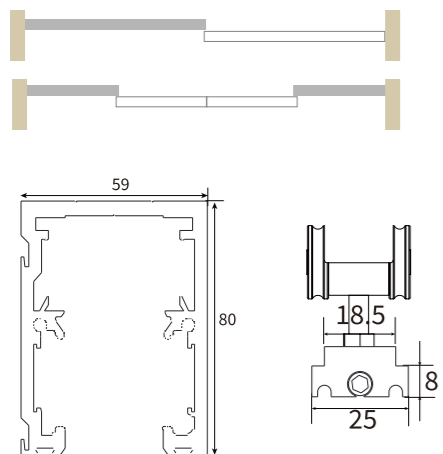
M12 Magnetic suspension  
Sliding door system



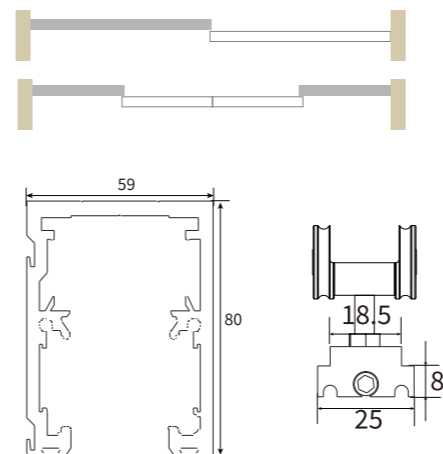
M15 Magnetic suspension  
Sliding door system



Product parameters

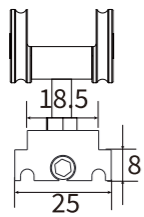
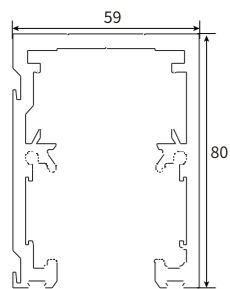
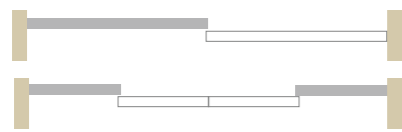
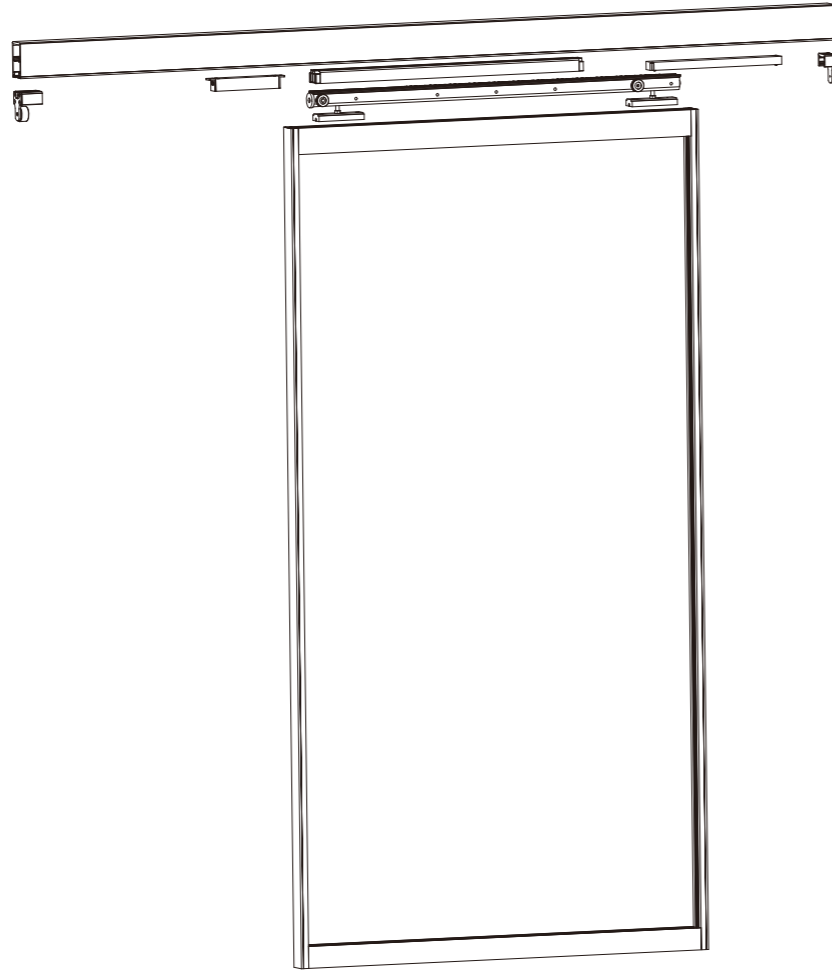
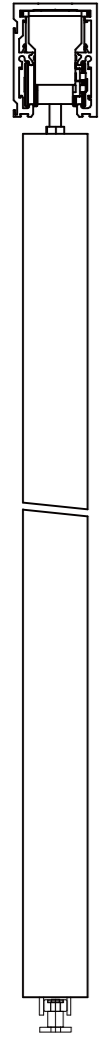


Opening and closing type	Single door
Door leaf weight (kg) x leaf	80kg
Door leaf width	Minimum width 750mm
Door opening / closing speed	200mm/s—400mm/s
Door opening dwell time	0-30s Adjustable
Input voltage and rated power	Voltage:110-240v power:150w
Manual thrust	10N
Motor type	Permanent magnet synchronous motor



Opening and closing type	Single door
Door leaf weight (kg) x leaf	100kg
Door leaf width	Minimum width 750mm
Door opening / closing speed	200mm/s—400mm/s
Door opening dwell time	0-30s Adjustable
Input voltage and rated power	Voltage:110-240v power:150w
Manual thrust	10N
Motor type	Permanent magnet synchronous motor

M24 Magnetic suspension  
Sliding door system



Opening and closing type	Single door
Door leaf weight (kg) x leaf	150kg
Door leaf width	Minimum width 950mm
Door opening / closing speed	200mm/s—400mm/s
Door opening dwell time	0-30s Adjustable
Input voltage and rated power	Voltage:110-240v power:150w
Manual thrust	20N
Motor type	Permanent magnet synchronous motor