

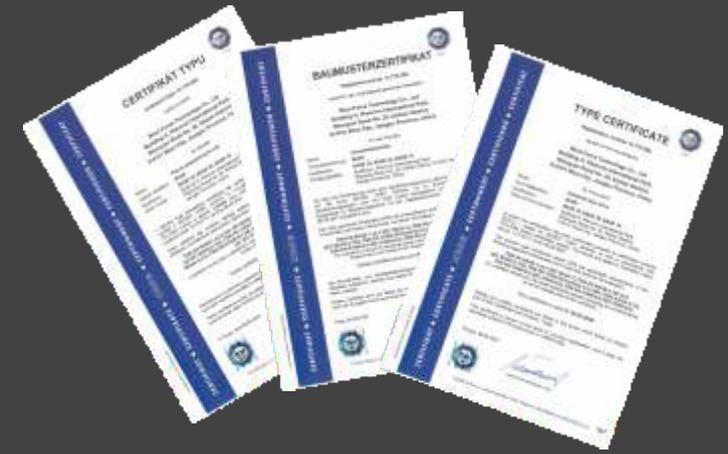


# DC

## INDUSTRIAL DOOR OPENER

BASE

*Bring a safer effect on the doors*



## Company Profile

FMK is specialized on the research , design and manufacture of door automation products.

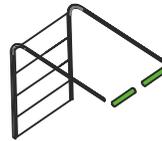
Since 2009, FMK company started the building of our specially mechanical and electronical designs, with the building of a strong technician team, to achieve higher progress on exploring in door automation field.

FMK products cover residential, commercial and industrial, we serve all people around the world.

We all believe in, when we have a dream, we will make it true. FMK is still on the way bringing more and more high-tech products to fullfill convenience and confortableness to human's life.

# AAS (Auto Adaptive System)

Identify door lifting types



Standard lifting



Vertical lifting



High lifting

Identify door height



≥5m



3.5~5m



≤3.5m

Identify door balance



60kg



40kg



20kg

Smart calculating program



Door running speed  
160mm/s~280mm/s



Soft-start & Soft-stop  
Speed and travel



## DC (High Safety Ensurance)

### ■ Soft-start & Soft-stop

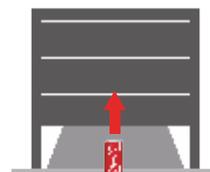


Adjustable speed



Adjustable distance

### ■ Force margin system



- DC technology
- EN12453 standard approved

### ■ 24V DC control box



- All DC 24V in control system
- Strict protection anywhere you can touch

## DC (Stable & Silence)



### More silence

- Low noise gear motor technology
- Testing volume  $\leq 55\text{dB}$



### More smoothness

- Oil immersed gear system
- Rubber sealed gear box
- High effective lubrication
- Bring strong power to every running



### More stable

- Soft-start & Soft-stop
- Speed slow-down on every stop
- Strictly protecting your garage door
- Enlonger the using life

## DC (Quickness & Convenience)



### AAS system

- Make high-speed operation possible
- Make speed adjustment intelligent



### Quick installation

- Quick circulation gear clutch design
- Quick pluggable manually chain hoist clutch



### Higher speed

- Rated loading running speed 160mm/s
- Maximum running speed 280mm/s



*Base,  
always care about your life...*

# 01

DC 35Nm  
Industrial Door Opener



Standard Kit Includes:  
Motor  
Push button

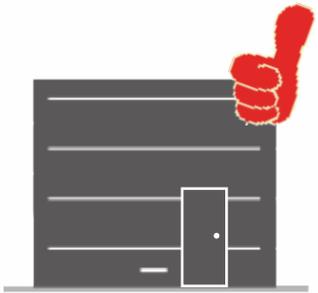


Push button



Quick release with rope

# Door Types



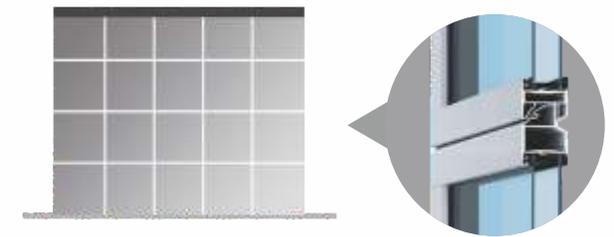
Wicket garage door  
Strongly recommended



Double garage door  
Commercial door

Suitable for sandwich door panel thickness

- 40mm
- 45mm
- 50mm

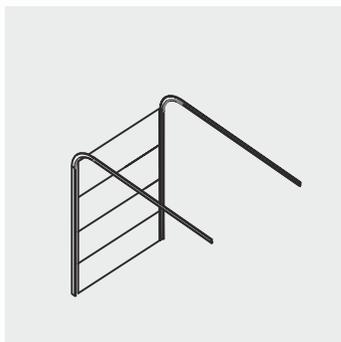


Aluminum glass door

Suitable for aluminum glass panel thickness:

- 40mm
- 60mm

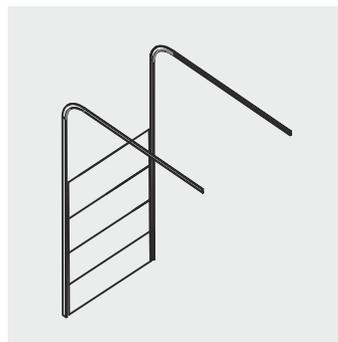
# Lifting Types



Standard lift

Lifting type:

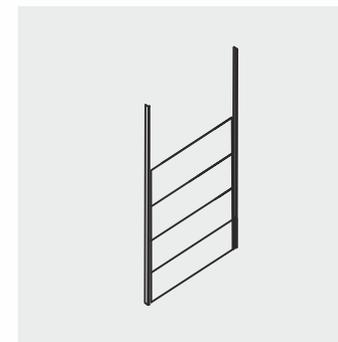
- Up to 16 m<sup>2</sup> Door Size Supported
- Up to 208 Kgs Door Weight Supported
- Up to 5.0m Door High Supported



High lift

Lifting type:

- Up to 16 m<sup>2</sup> Door Size Supported
- Up to 208 Kgs Door Weight Supported
- Up to 5.0m Door High Supported

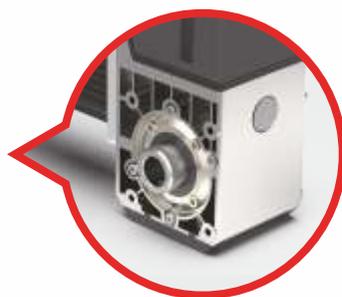


Vertical lift

Lifting type:

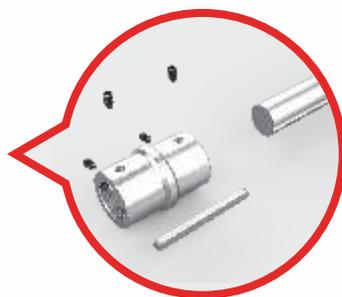
- Up to 12 m<sup>2</sup> Door Size Supported
- Up to 156 Kgs Door Weight Supported
- Up to 5.0m Door High Supported

# Extension Shaft Assy



## Circle shaft type

compatible with residential sectional garage door



## Extension shaft assy

make BASE35 compatible with different installation condition

# PARAMETERS

# BASE 35

- Maximum output torque 35Nm
- Rated output torque 25Nm
- Input voltage 110/220(1+10%)V 50Hz
- Control system 24V DC
- Motor power 0.35KW
- Static holding torque 400Nm
- Max. output speed 24rpm-32rpm
- Operation limit turns (limit travel) 15 turns of output shaft  
(max. 5.0m lifting height recommend)
- Sleeve shaft diameter (standard)  $\varnothing$  25.4mm
- Keyway size 6.3mm
- Thermal protection temperature 105°C
- Continuous sound pressure level <70dB
- Max. cycles per hour 20
- IP protection class IP54
- Temperature range - 20°C /+ 60°C
- Standard kit Drive motor&push button or TX/RX control
- Quick release with rope Including
- Chain hoist module Optional
- Optional sensing edge set (TX and RX) Optional

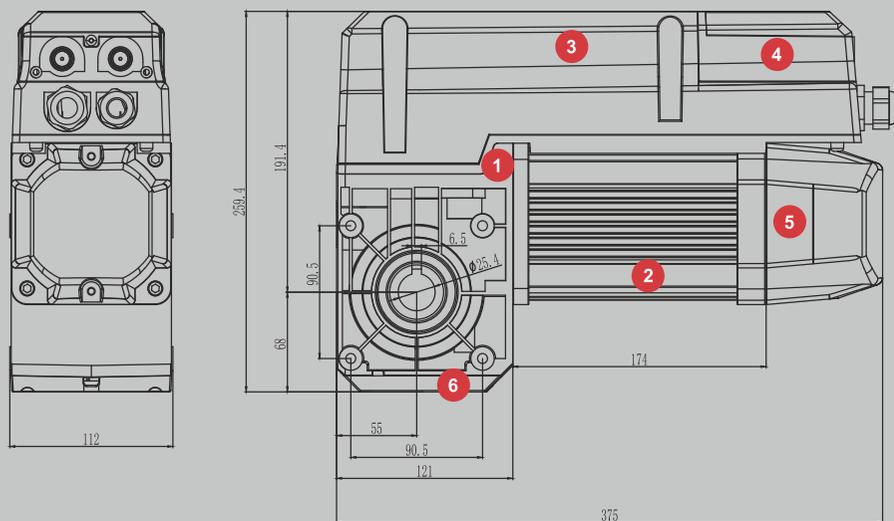
## Recommendation: Door size & Weight

Standard sectional doors with cylindrical cable drum 			
Door size(max.)	16m <sup>2</sup>	Door weight(max.)	208kg

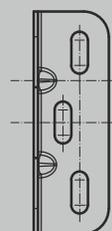
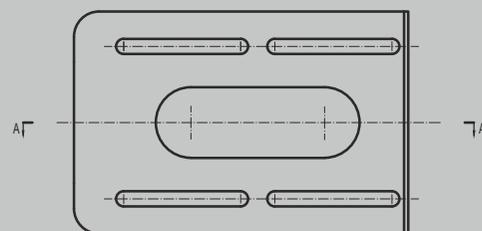
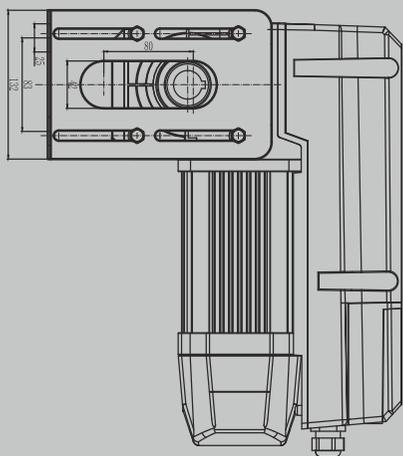
High lift sectional doors with cylindrical-conical cable drum 			
Door size(max.)	16m <sup>2</sup>	Door weight(max.)	208kg

Vertical lift sectional doors with conical cable drum 			
Door size(max.)	12m <sup>2</sup>	Door weight(max.)	156kg

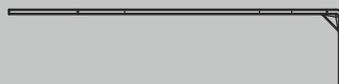
**- Soft-Start and Soft-Stop protect the door and reduce repair costs**



- 1 Gearbox
- 2 motor
- 3 Casing
- 4 Flip
- 5 Rear trim cover
- 6 Front end fast clutch



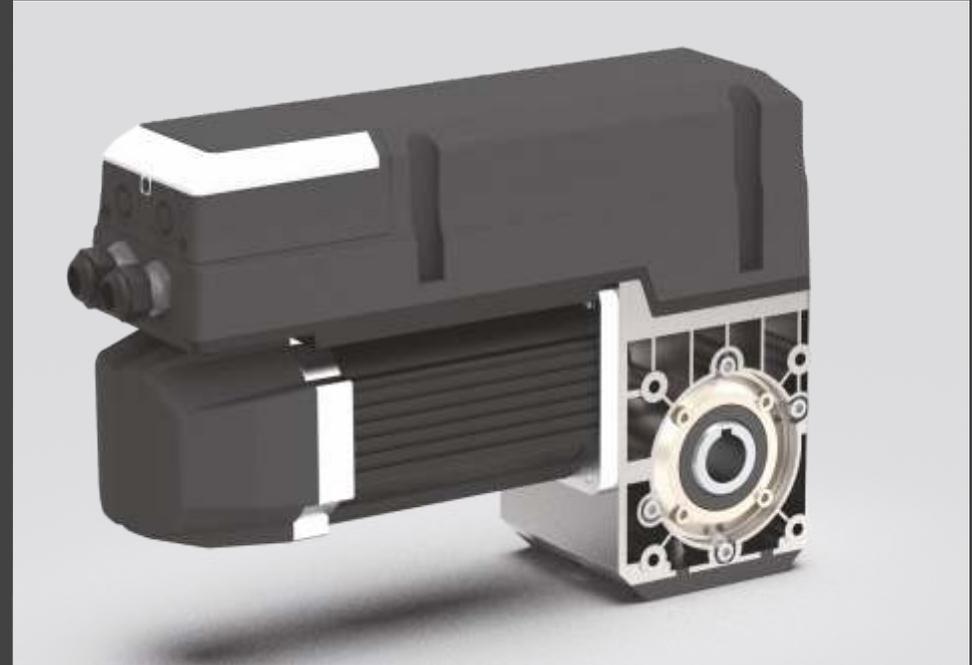
- 1 Minimum installing room  
55mm
- 2 Adjustable wall bracket  
67mm-127mm



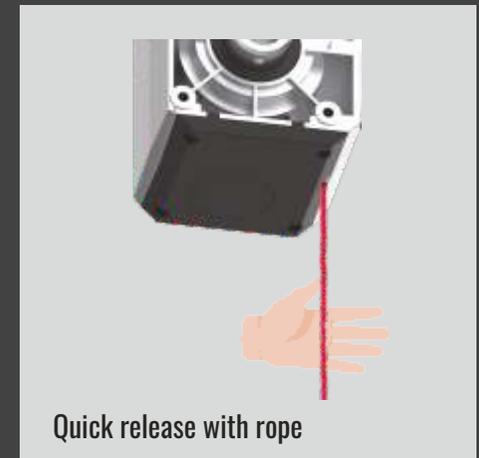
# 02

DC 50Nm  
Industrial Door Opener

Standard Kit Includes:  
Motor  
Control box

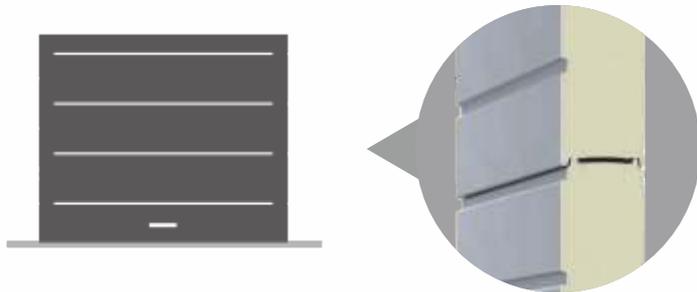


Control box



Quick release with rope

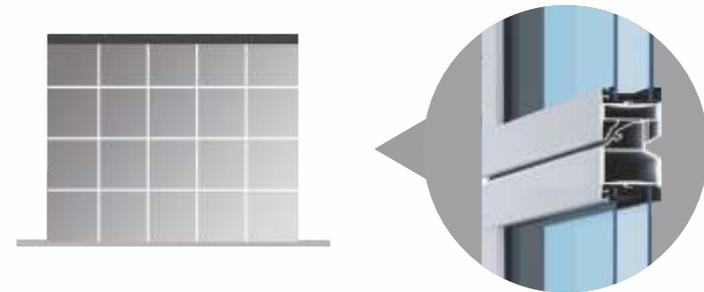
# Door Types



Factory/warehouse industrial door  
Logistics center door  
Commercial center/parking lot door

Suitable for sandwich door panel thickness

- 40mm
- 45mm
- 50mm
- 60mm

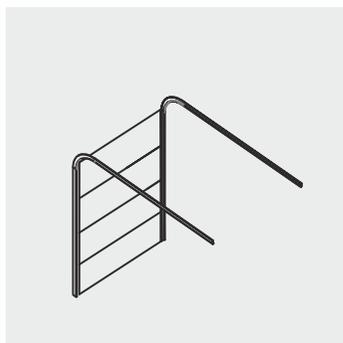


Aluminum glass door

Suitable for aluminum glass panel thickness:

- 40mm
- 60mm

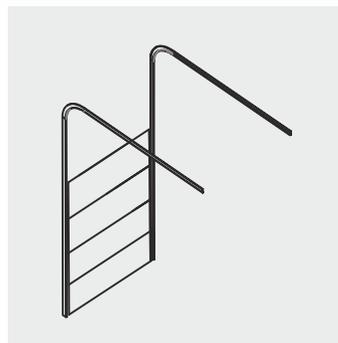
# Lifting Types



Standard lift

Lifting type:

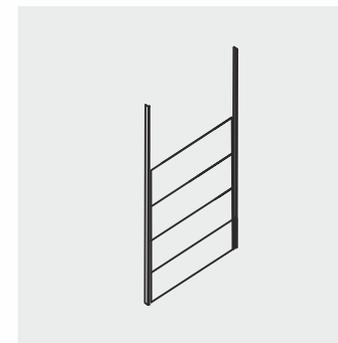
- Up to 20 m<sup>2</sup> Door Size Supported
- Up to 260 Kgs Door Weight Supported
- Up to 6.5m Door High Supported



High lift

Lifting type:

- Up to 20 m<sup>2</sup> Door Size Supported
- Up to 260 Kgs Door Weight Supported
- Up to 6.5m Door High Supported

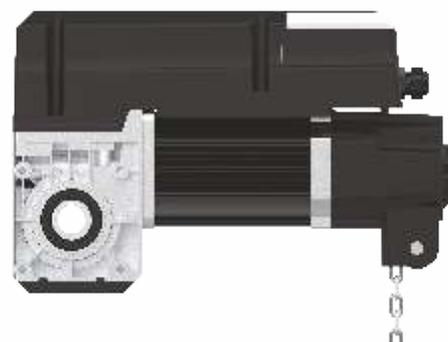


Vertical lift

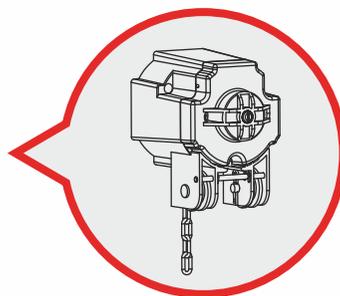
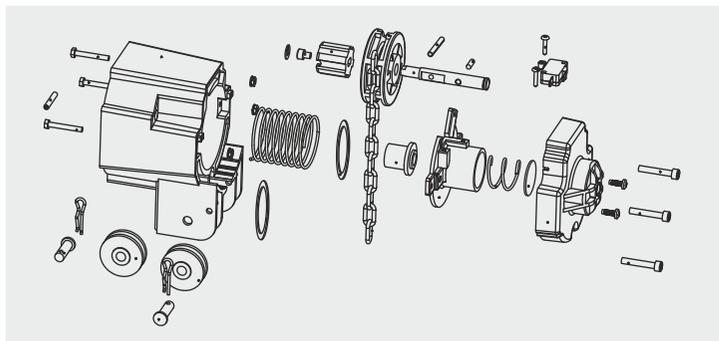
Lifting type:

- Up to 16 m<sup>2</sup> Door Size Supported
- Up to 208 Kgs Door Weight Supported
- Up to 6.5m Door High Supported

# Chain Hoist Module



**Removable port**  
optional for chain hoist  
module



**Chain hoist module**  
optional for  
on a higher door

# PARAMETERS

# BASE 50

- Maximum output torque 50Nm
- Rated output torque 35Nm
- Input voltage 110/220(1+10%)V 60Hz/50Hz 380v-420V
- Control system 24V DC
- Motor power 0.45KW
- Static holding torque 400Nm
- Max. output speed 24rpm-32rpm
- Operation limit turns (limit travel) 15 turns of output shaft  
(max. 6.5m lifting height recommend)
- Sleeve shaft diameter (standard)  $\varnothing$  25.4mm
- Keyway size 6.3mm
- Thermal protection temperature 105°C
- Continuous sound pressure level <70dB
- Max. cycles per hour 20
- IP protection class IP54
- Temperature range - 20°C /+ 60°C
- Standard kit Drive motor&wired control box
- Quick release with rope Including
- Chain hoist module Optional
- Optional sensing edge set (TX and RX) Optional

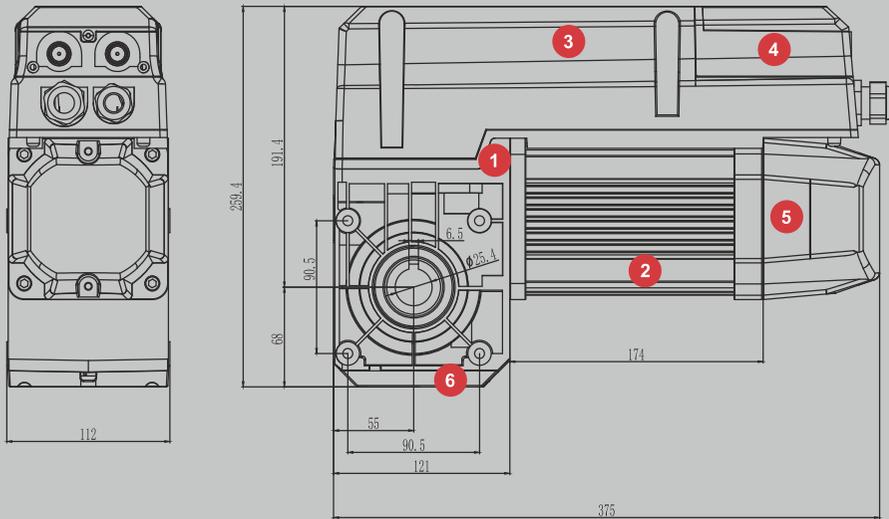
## Recommendation: Door size & Weight

Standard sectional doors with cylindrical cable drum 			
Door size(max.)	20m <sup>2</sup>	Door weight(max.)	260kg

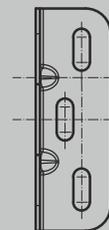
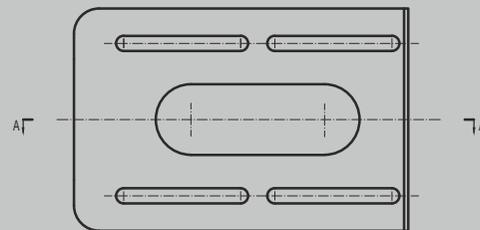
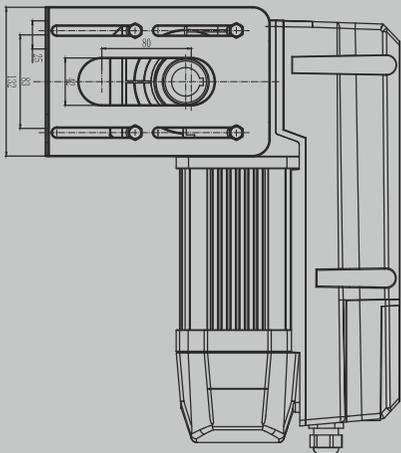
High lift sectional doors with cylindrical-conical cable drum 			
Door size(max.)	20m <sup>2</sup>	Door weight(max.)	260kg

Vertical lift sectional doors with conical cable drum 			
Door size(max.)	16m <sup>2</sup>	Door weight(max.)	208kg

**- Soft-Start and Soft-Stop protect the door and reduce repair costs**



- 1 Gearbox
- 2 motor
- 3 Casing
- 4 Flip
- 5 Rear trim cover
- 6 Front end fast clutch

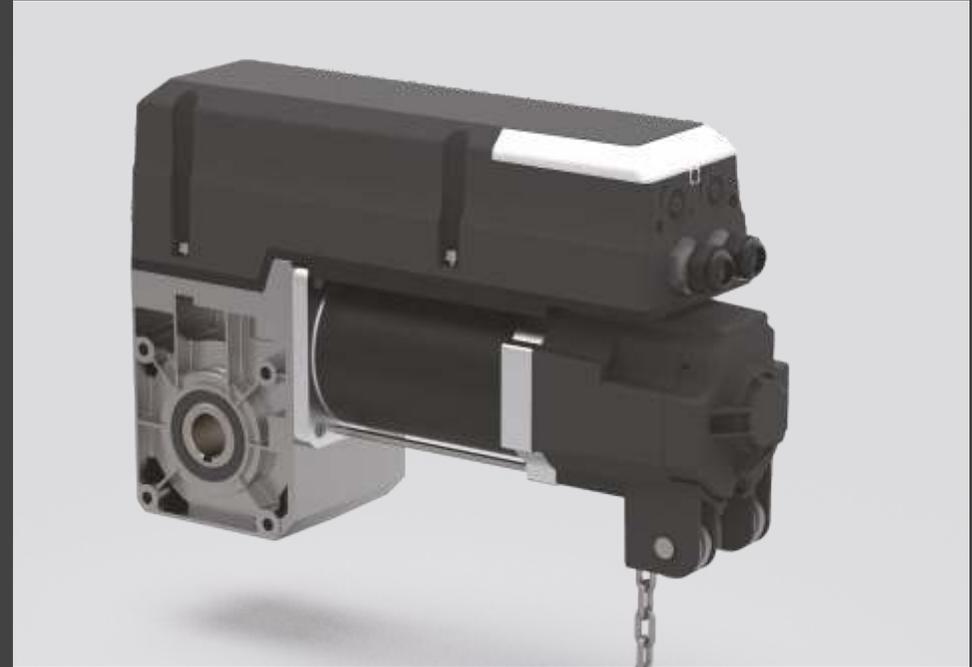


- 1 Minimum installing room  
55mm
- 2 Adjustable wall bracket  
67mm-127mm

03

DC 70Nm  
Industrial Door Opener

Standard Kit Includes:  
Motor  
Control box

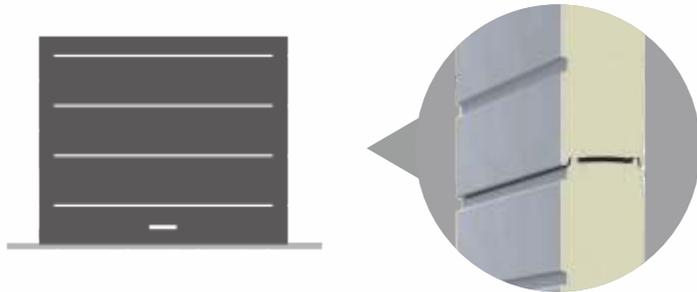


Control box



Chain hoist module

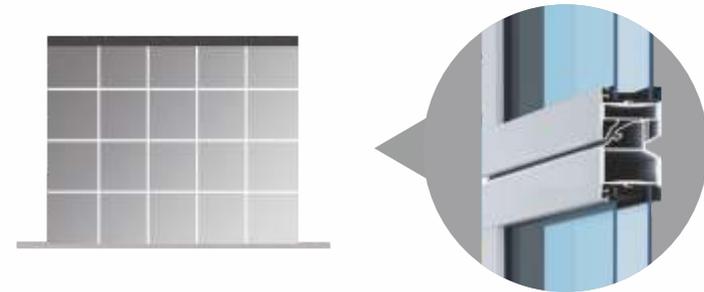
# Door Types



Factory industrial door  
Warehouse/logistics center door  
Commercial entrance door

Suitable for sandwich door panel thickness

- 40mm
- 45mm
- 50mm
- 60mm
- 80mm

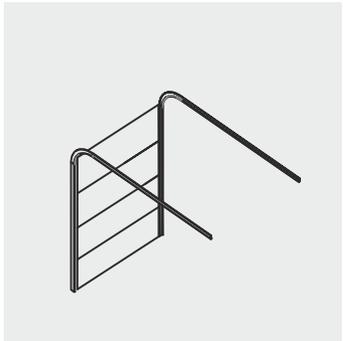


Aluminum glass door

Suitable for aluminum glass panel thickness:

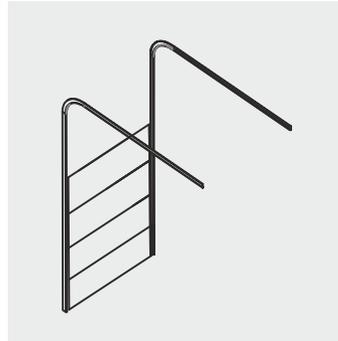
- 40mm
- 60mm
- 80mm

# Lifting Types



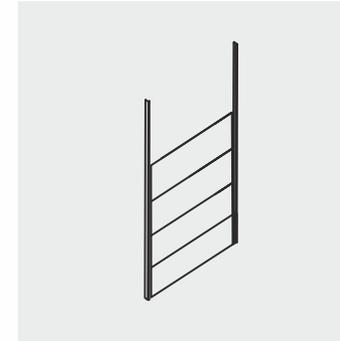
Standard lift

- Up to 26 m<sup>2</sup> Door Size Supported
- Up to 338 Kgs Door Weight Supported
- Up to 6.5m Door High Supported



High lift

- Up to 26 m<sup>2</sup> Door Size Supported
- Up to 338 Kgs Door Weight Supported
- Up to 6.5m Door High Supported



Vertical lift

- Up to 22 m<sup>2</sup> Door Size Supported
- Up to 286 Kgs Door Weight Supported
- Up to 6.5m Door High Supported

# PARAMETERS

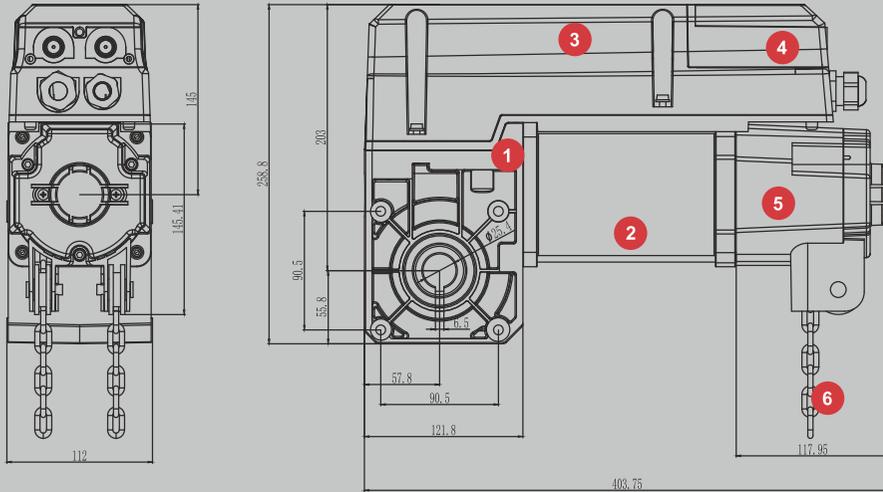
# BASE 70

- Maximum output torque 70Nm
- Rated output torque 50Nm
- Input voltage 110/220(1+10%)V 60HZ/50Hz 380v-420V
- Control system 24V DC
- Motor power 0.55KW
- Static holding torque 400Nm
- Max. output speed 24rpm-32rpm
- Operation limit turns (limit travel) 15turns of output shaft  
**(max. 6.5m lifting height recommend)**
- Sleeve shaft diameter (standard)  $\varnothing$  25.4mm
- Keyway size 6.3mm
- Thermal protection temperature 105°C
- Continuous sound pressure level <70dB
- Max. cycles per hour 20
- IP protection class IP54
- Temperature range - 20°C /+ 60°C
- Standard kit Drive motor&wired control box
- Chain hoist module Including
- Optional sensing edge set (TX and RX) Optional

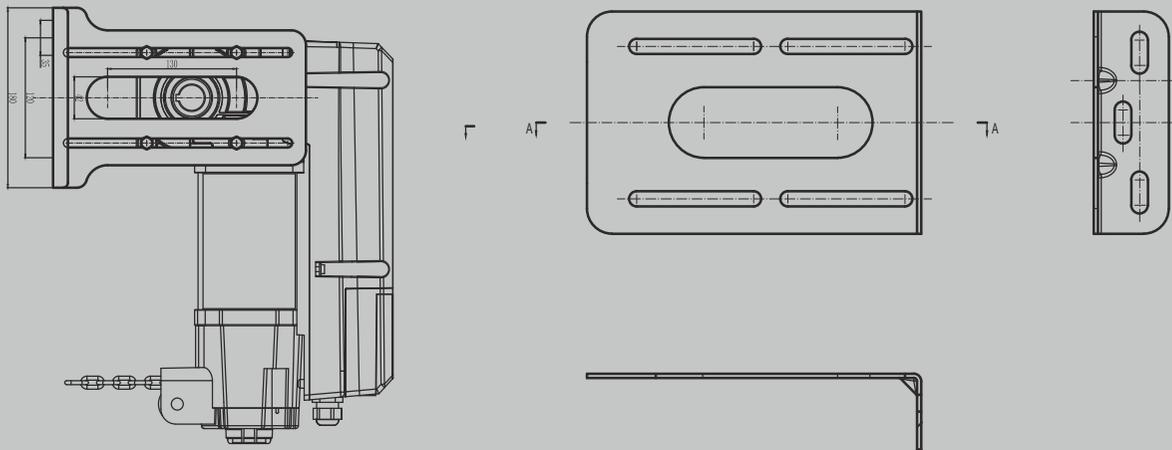
## Recommendation: Door size & Weight

Standard sectional doors with cylindrical cable drum 			
Door size(max.)	26m <sup>2</sup>	Door weight(max.)	338kg
High lift sectional doors with cylindrical-conical cable drum 			
Door size(max.)	26m <sup>2</sup>	Door weight(max.)	338kg
Vertical lift sectional doors with conical cable drum 			
Door size(max.)	22m <sup>2</sup>	Door weight(max.)	286kg

**- Soft-Start and Soft-Stop protect the door and reduce repair costs**

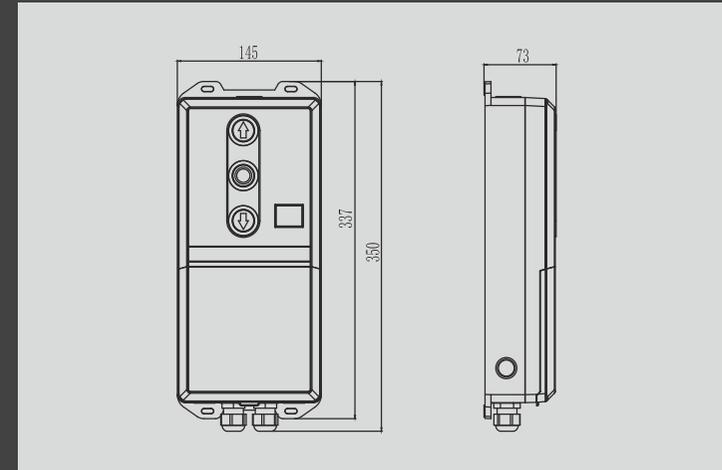
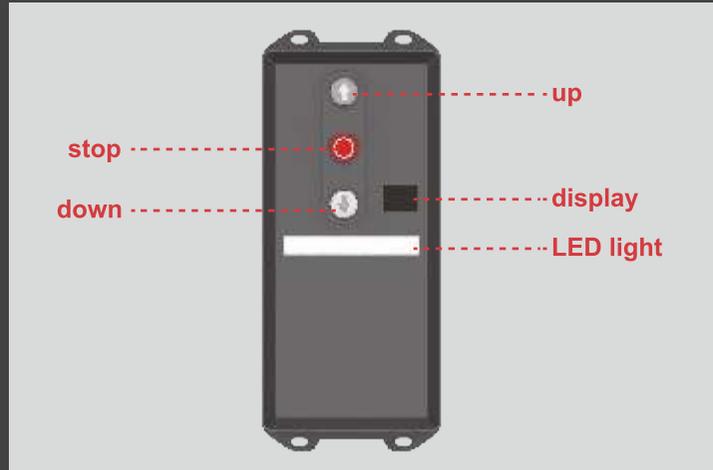


- 1 Gearbox
- 2 motor
- 3 Casing
- 4 Flip
- 5 Rear trim cover
- 6 Tail clutch



1 Minimum installing room  
58mm

2 Adjustable wall bracket  
67mm-152mm



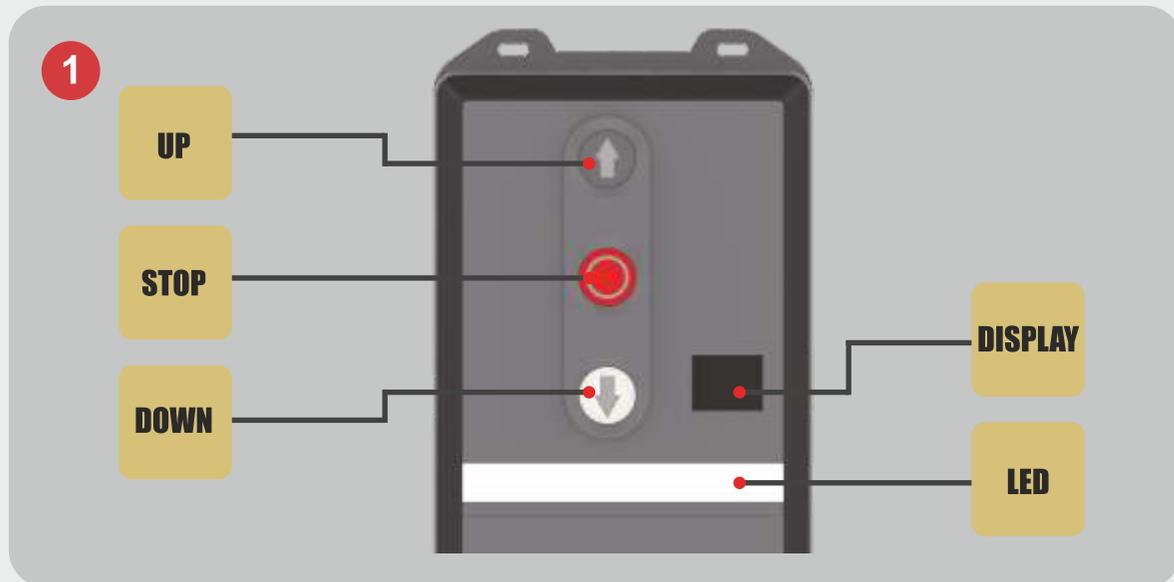
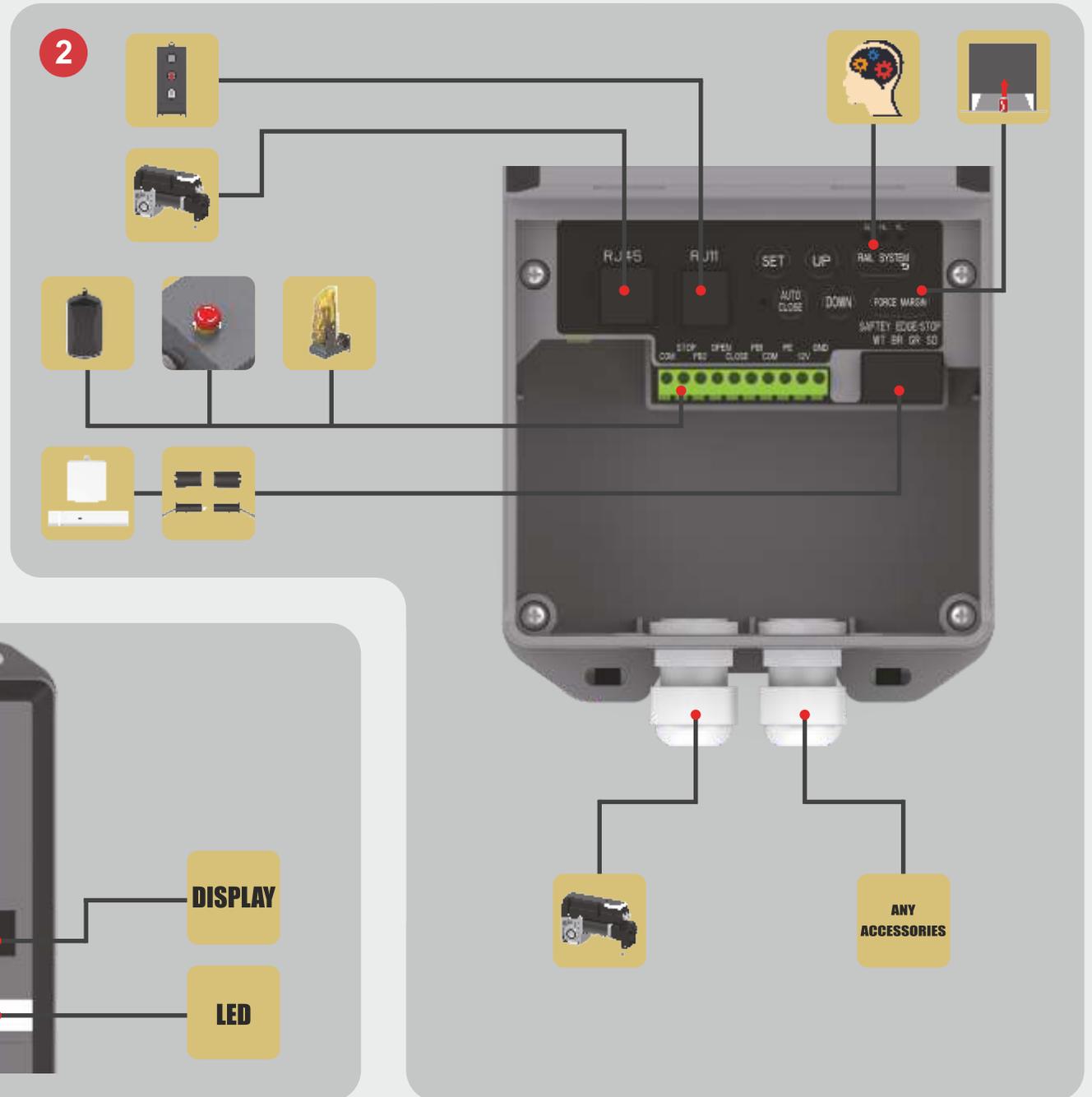
## Control

The control box is suitable for 50Nm and 70Nm industrial door opener.

It is not only convenient for installation and placement, but also improves the overall appearance effect, which is more neat and beautiful.



# BASE



## TECHNICAL DATA

BASE

Model	BASE 35	BASE 50	BASE 70
Maximum output torque	35Nm	50Nm	70Nm
Rated output torque	25Nm	35Nm	50Nm
Input voltage	110/220(1+10%)V 50Hz	110/220(1+10%)V 60Hz/50Hz 380V-420V	110/220(1+10%)V 60Hz/50Hz 380V-420V
Control system	24V DC	24V DC	24V DC
Motor power	0.35KW	0.45KW	0.55KW
Static holding torque	400Nm	400Nm	400Nm
Max. output speed	24rpm-32rpm	24rpm-32rpm	24rpm-32rpm
Operation limit turns (limit travel)	15 turns of output shaft (max. 5.0m lifting height recommend)	15 turns of output shaft (max. 6.5m lifting height recommend)	15 turns of output shaft (max. 6.5m lifting height recommend)
Sleeve shaft diameter (standard)	∅ 25.4mm	∅ 25.4mm	∅ 25.4mm
Keyway size	6.3mm	6.3mm	6.3mm
Thermal protection temperature	105°C	105°C	105°C
Continuous sound pressure level	<70dB	<70dB	<70dB
Max. cycles per hour	20	20	20
IP protection class	IP54	IP54	IP54
Temperature range	- 20°C /+ 60°C	- 20°C /+ 60°C	- 20°C /+ 60°C
Standard kit	Drive motor&push button or TX/RX control	Drive motor&wired control box	Drive motor&wired control box
Quick release with rope	Including	Including	None
Chain hoist module	Optional	Optional	Including
Optional sensing edge set (TX and RX)	Optional	Optional	Optional

# Accessories



RC07 transmitter 2×, 868 MHz, 4 - channel  
+  
Plug-in receiver 1×, 868 MHz



TX 6m cable, RX 1m cable,  
electronic box, spiral cable coil cord  
with 3.5 or 5.5 m  
active length for 5.0m high door



Chain hoist assy, 5m  
hand chain included



Wireless wicket door sensor,  
water proof receivers,  
12-24V AC/DC, for industrial door



Wireless wicket door sensor,  
non-water proof receivers,  
12-24V AC/DC, for residential door



WIFI module card for industrial  
door opener/ roller door motor



12 - 240V AC/DC, orange cover,  
white LED light



12 - 240V AC/DC, white cover,  
yellow LED light

# Accessories



IP54, waterproof, safe outdoor wireless keypad (868MHz)



Wired push button (open, stop, close), 6m cable



Control box, STD 8m connection cable



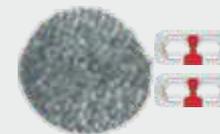
Extension shaft 200mm, shaft connector, mounting screws included



Power cable extension, 3.5m cable



Power cable extension, 4.5 or 5.5 or 6.5m cable



2 or 4 or 6m extension chain, 2x chain-links included



8m ropes, 1x clutch handle included

# WIRELESS WICKET DOOR SENSOR

BASE



*Bring a safer effect on the doors*

# WIFI MODULE CARD





MITSUBISHI  
MOTOR  
Cepaic

*Base,  
always care about your life...*



*The safer effect,  
is the BASE*

---

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