



DC

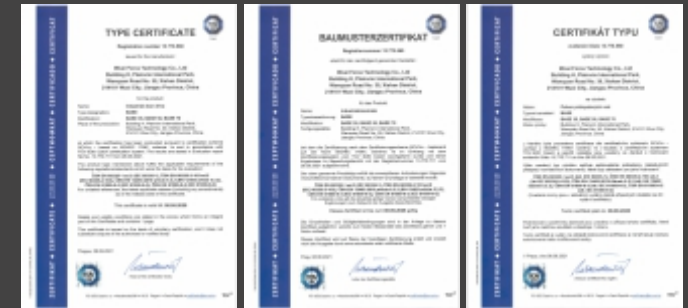
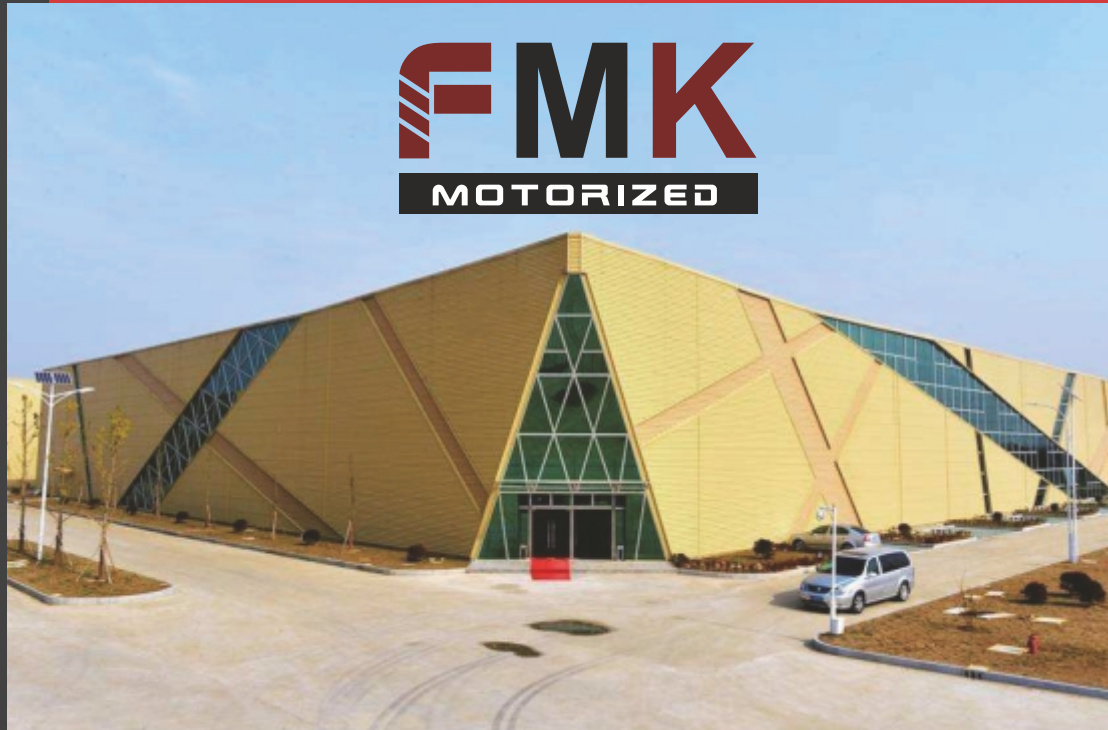
INDUSTRIAL DOOR OPENER

BASE

RESIDENTIAL DOOR OPENER

OREO

Bring a safer effect on the doors



Company Profile

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

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.

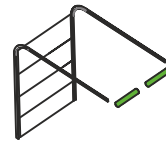
FMK products cover residential, commercial and industrial, we serve all people around the world.

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)

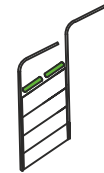
Identify door lifting types



Standard lifting



Vertical lifting



High lifting

Identify door height



$\geq 5m$

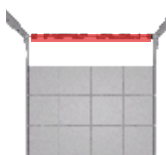


3.5-5m

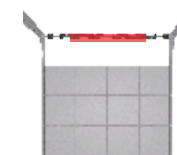


$\leq 3.5m$

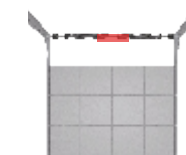
Identify door balance



60kg



40kg

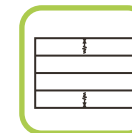


20kg

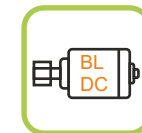
Smart calculating program



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



Soft-start & Soft-stop
Speed and travel

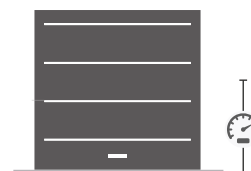


Brushless technology



DC (High Safety Ensurance)

Soft-start & Soft-stop

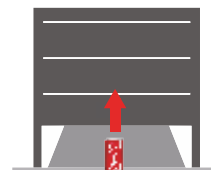


Adjustable speed



Adjustable distance

Force margin system



- DC technology
- No active closing edge protection necessary
- 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

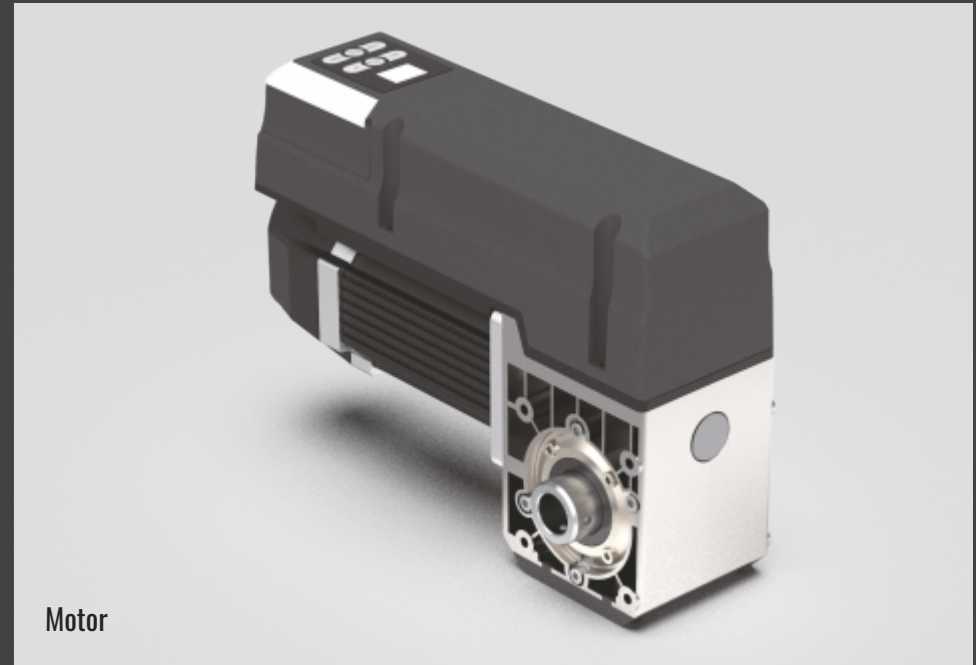


*Base,
always care about your life...*

01

DC 35Nm
Industrial Door Opener

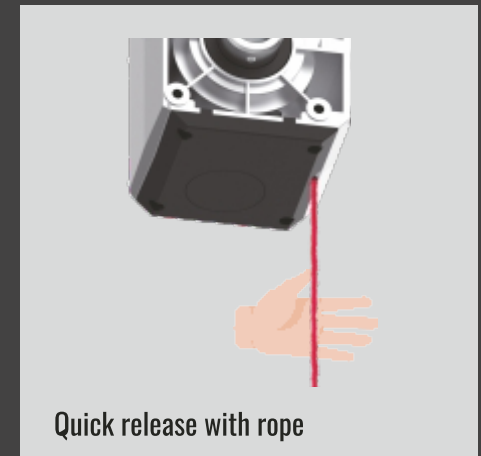
Standard Kit Includes:
Motor
Push button



Motor

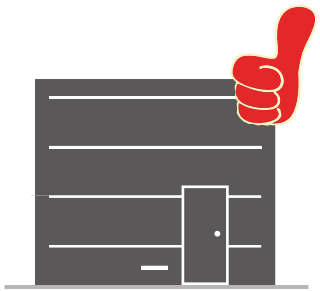


Push button



Quick release with rope

Door Types



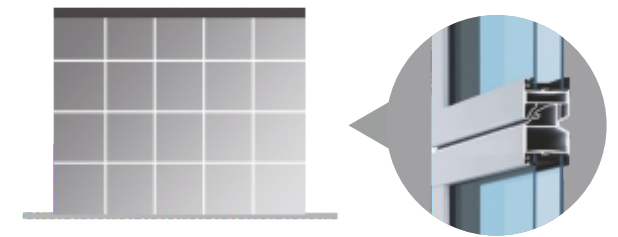
Wicket garage door
Strongly recommended



Double garage door
Commercial door

Suitable for sandwich door panel thickness

- 40mm
- 45mm
- 50mm

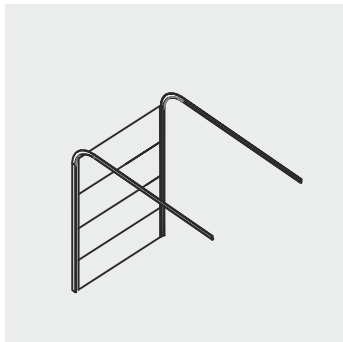


Aluminium glass door

Suitable for aluminium glass panel thickness

- 40mm
- 60mm

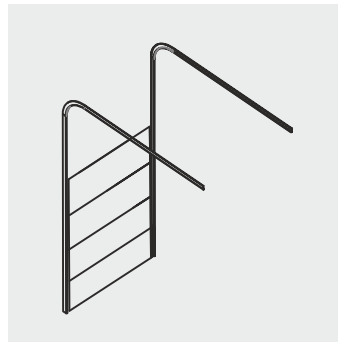
Lifting Types



Standard lift

Lifting type:

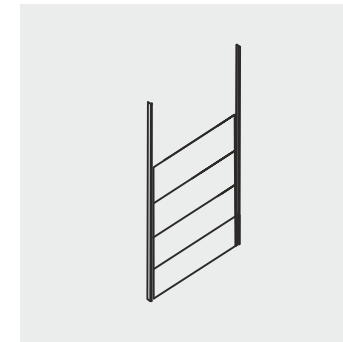
- Up to 16m² Door Size Supported
- Up to 208kgs Door Weight Supported
- Up to 5.0m Door High Supported



High lift

Lifting type:

- Up to 16m² Door Size Supported
- Up to 208kgs Door Weight Supported
- Up to 5.0m Door High Supported

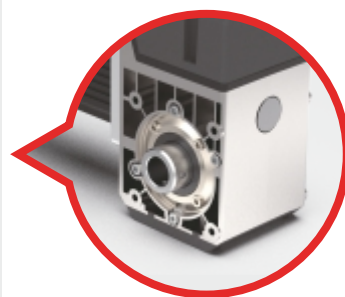
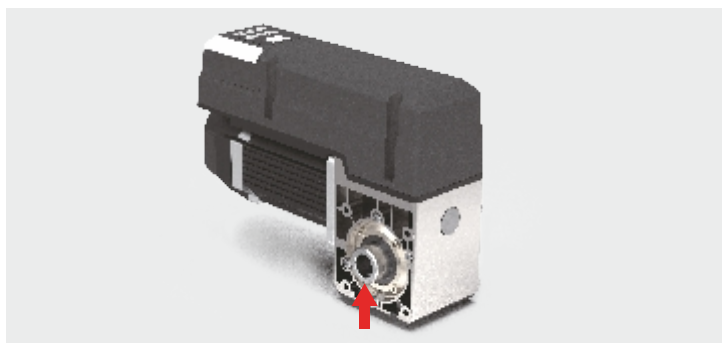


Vertical lift

Lifting type:

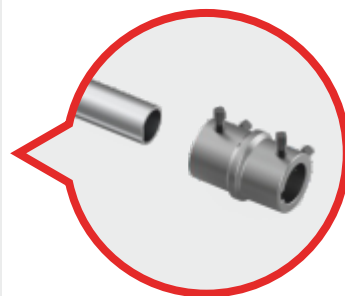
- Up to 12m² Door Size Supported
- Up to 156kgs Door Weight Supported
- Up to 5.0m Door High Supported

Extension Shaft Assy



Circle shaft type

compatible with residential sectional garage door



Extension shaft assy

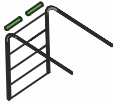


make BASE 35 compatible with different installation condition

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 None
- Optional sensing edge set (TX and RX) Optional

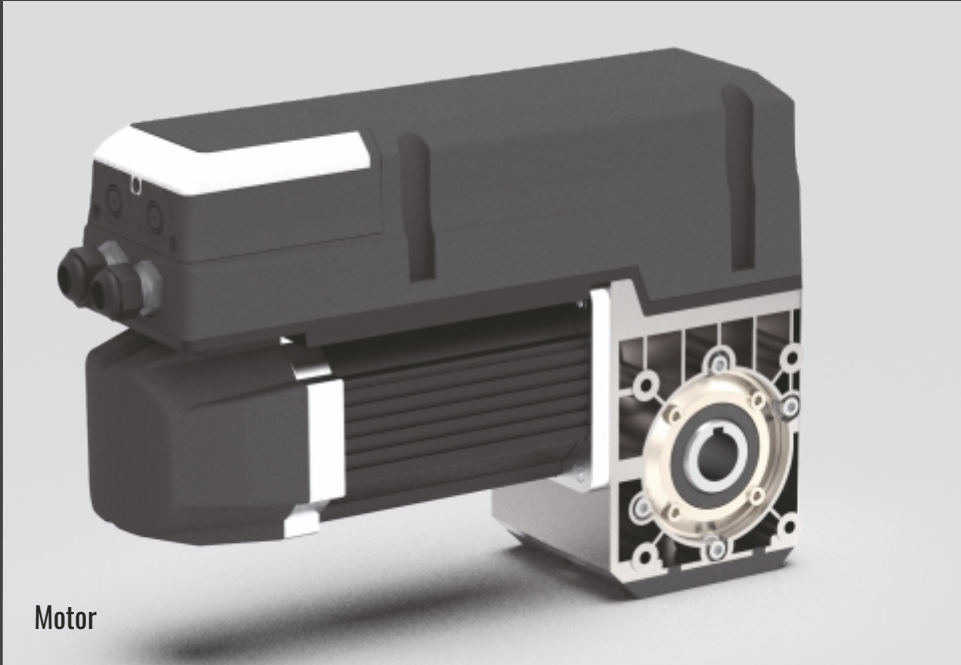
Recommendation: Door size & Weight

Standard sectional doors with cylindrical cable drum 			
Door size (max.)	16m ²	Door weight (max.)	208kg
High lift sectional doors with cylindrical-conical cable drum 			
Door size (max.)	16m ²	Door weight (max.)	208kg
Vertical lift sectional doors with conical cable drum 			
Door size (max.)	12m ²	Door weight (max.)	156kg

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

02

DC 50Nm
Industrial Door Opener



Motor

Standard Kit Includes:
Motor
Control box
Quick release with rope

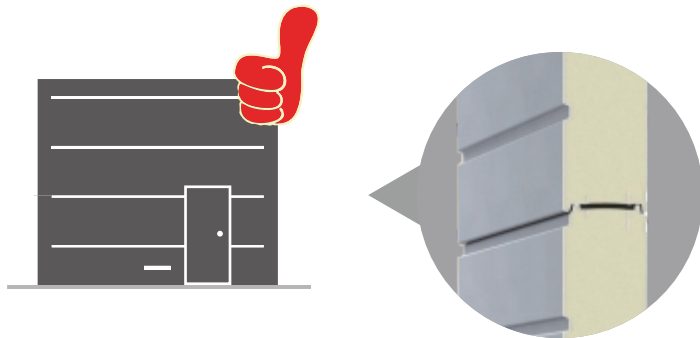


Control box



Quick release with rope

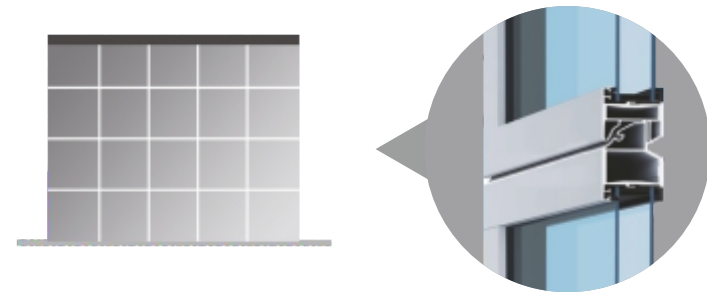
Door Types



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

Suitable for sandwich door panel thickness

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

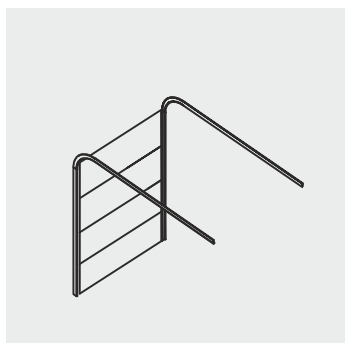


Aluminum glass door

Suitable for aluminium glass panel thickness

- 40mm
- 60mm

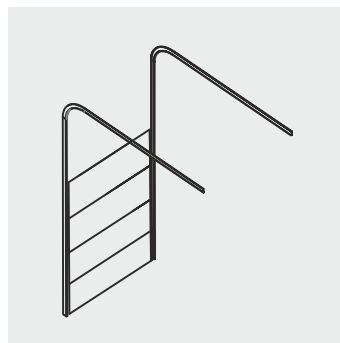
Lifting Types



Standard lift

Lifting type:

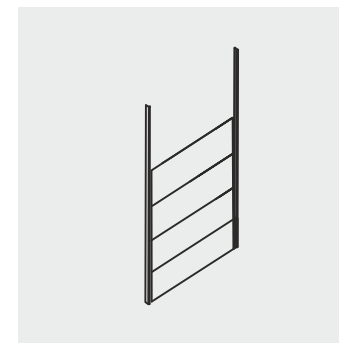
- Up to 20m² Door Size Supported
- Up to 260kgs Door Weight Supported
- Up to 6.5m Door High Supported



High lift

Lifting type:

- Up to 20m² Door Size Supported
- Up to 260kgs Door Weight Supported
- Up to 6.5m Door High Supported

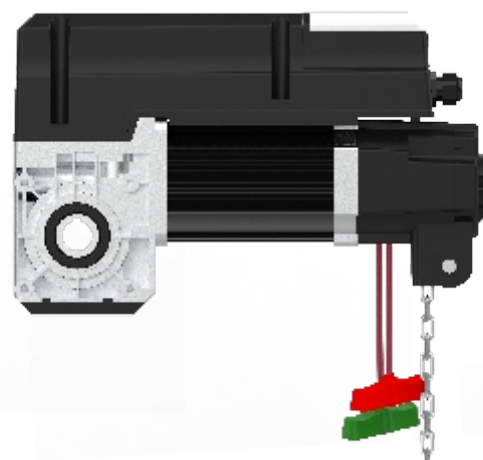
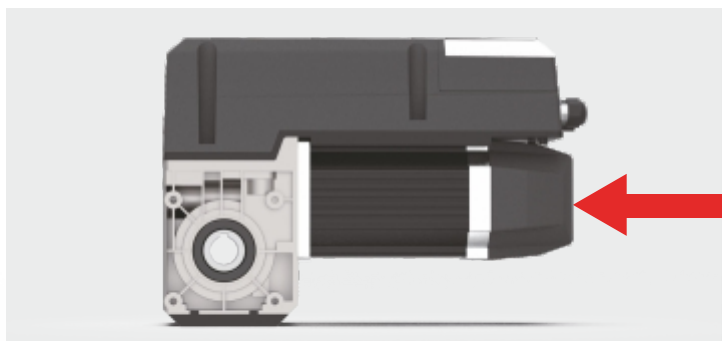


Vertical lift

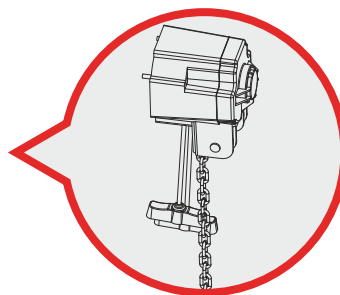
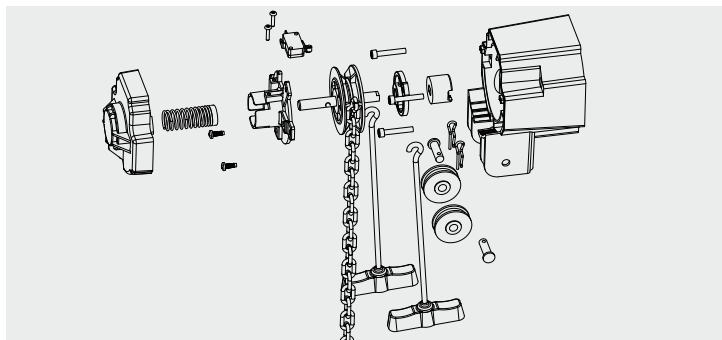
Lifting type:

- Up to 16m² Door Size Supported
- Up to 208kgs Door Weight Supported
- Up to 6.5m Door High Supported

Chain Hoist Module



Removable port
optional for chain hoist
module



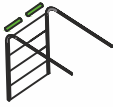


Chain hoist module
optional for BASE 50 on a higher door

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

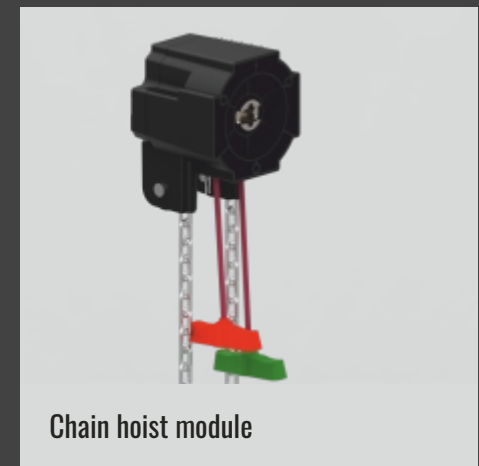
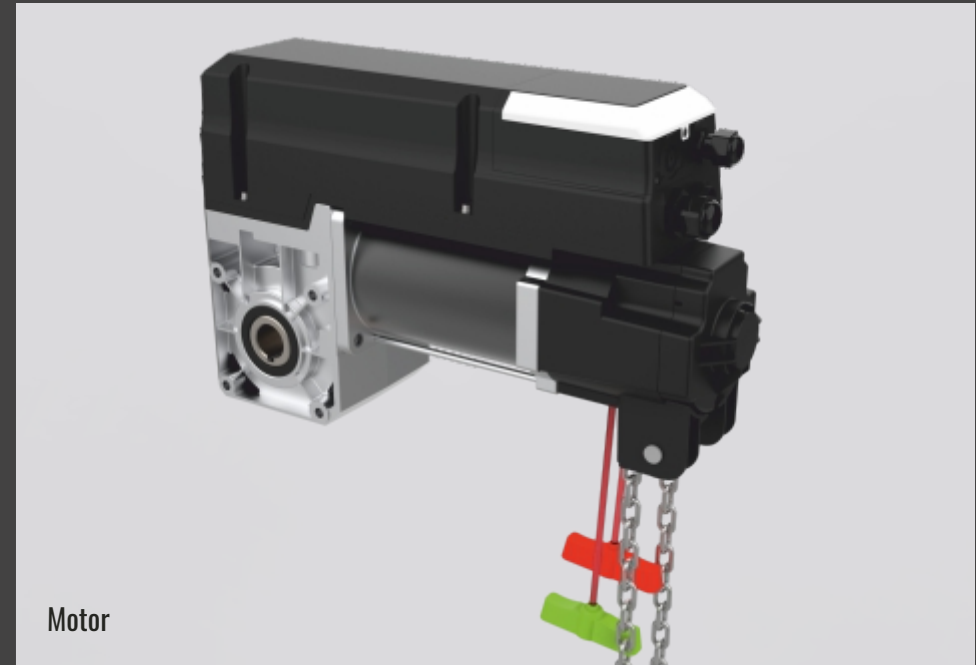
Standard sectional doors with cylindrical cable drum 			
Door size (max.)	20m ²	Door weight (max.)	260kg
High lift sectional doors with cylindrical-conical cable drum 			
Door size (max.)	20m ²	Door weight (max.)	260kg
Vertical lift sectional doors with conical cable drum 			
Door size (max.)	16m ²	Door weight (max.)	208kg

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

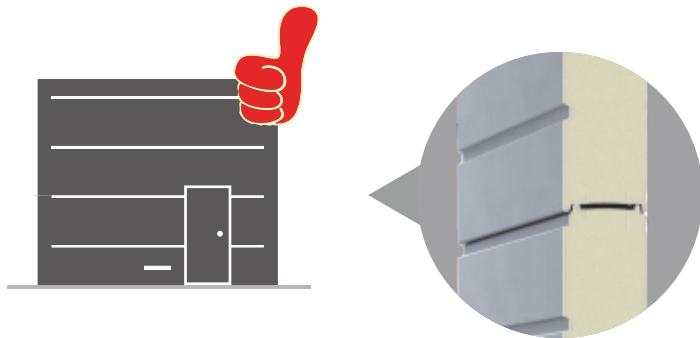
03

DC 70Nm Industrial Door Opener

Standard Kit Includes:
Motor
Control box
Chain hoist module



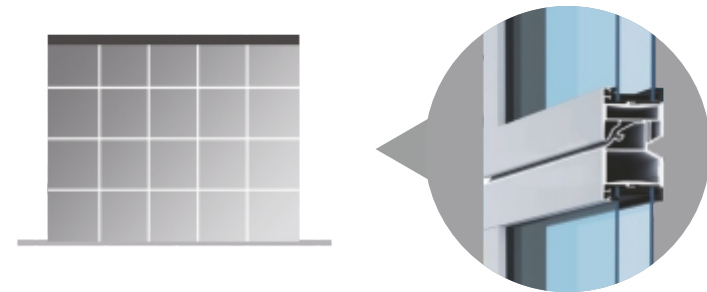
Door Types



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

Suitable for sandwich door panel thickness

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

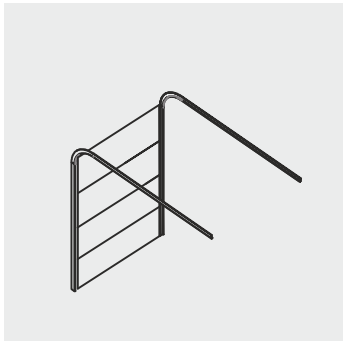


Aluminum glass door

Suitable for aluminium glass panel thickness

- 40mm
- 60mm
- 80mm

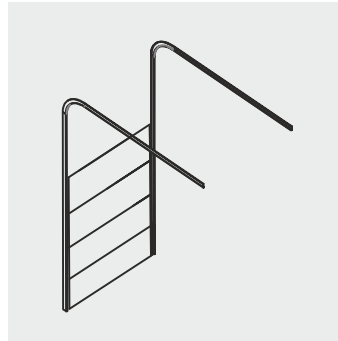
Lifting Types



Standard lift

Lifting type:

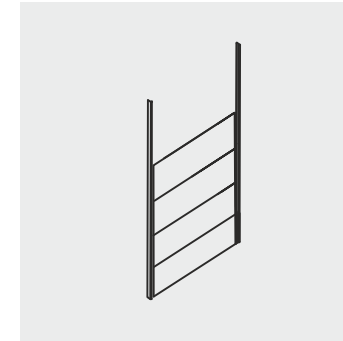
- Up to 26m² Door Size Supported
- Up to 338 Kgs Door Weight Supported
- Up to 6.5m Door High Supported



High lift

Lifting type:

- Up to 26m² Door Size Supported
- Up to 338Kgs Door Weight Supported
- Up to 6.5m Door High Supported



Vertical lift

Lifting type:

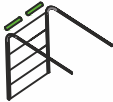


- Up to 22m² Door Size Supported
- Up to 286Kgs Door Weight Supported
- Up to 6.5m Door High Supported

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.)	26m²	Door weight (max.)	338kg
High lift sectional doors with cylindrical-conical cable drum 			
Door size (max.)	26m²	Door weight (max.)	338kg
Vertical lift sectional doors with conical cable drum 			
Door size (max.)	22m²	Door weight (max.)	286kg

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

04

DC 120Nm Industrial Door Opener

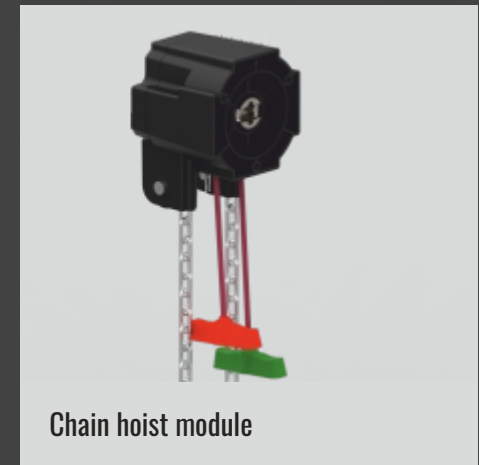
Standard Kit Includes:
Motor
Control box
Chain hoist module



Motor

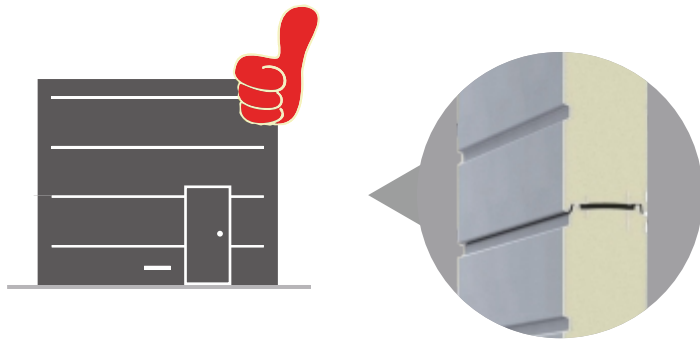


Control box



Chain hoist module

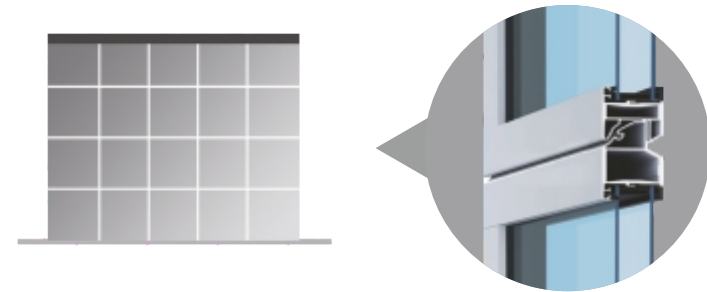
Door Types



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

Suitable for sandwich door panel thickness

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

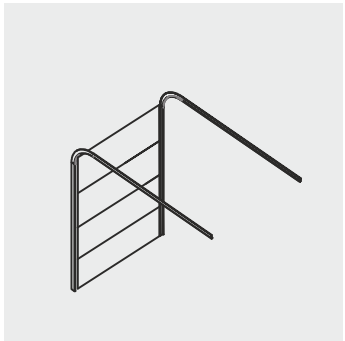


Aluminum glass door

Suitable for aluminium glass panel thickness

- 40mm
- 60mm
- 80mm

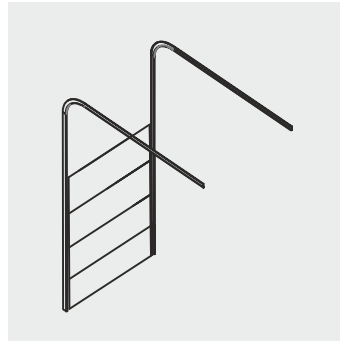
Lifting Types



Standard lift

Lifting type:

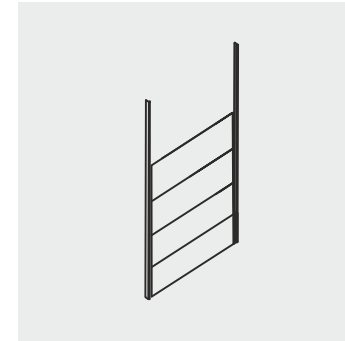
- Up to 36m² Door Size Supported
- Up to 468kgs Door Weight Supported
- Up to 6.5m Door High Supported



High lift

Lifting type:

- Up to 36m² Door Size Supported
- Up to 468kgs Door Weight Supported
- Up to 6.5m Door High Supported



Vertical lift

Lifting type:

- Up to 32m² Door Size Supported
- Up to 416kgs Door Weight Supported
- Up to 6.5m Door High Supported


PARAMETERS


BASE 120

- Maximum output torque 140Nm
- Rated output torque 120Nm
- Input voltage 110/220(1+10%)V 60HZ/50Hz 380v-420V
- Control system 24V DC
- Motor power 0.85KW
- Static holding torque 400Nm
- Max. output speed 18rpm-24rpm
- 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

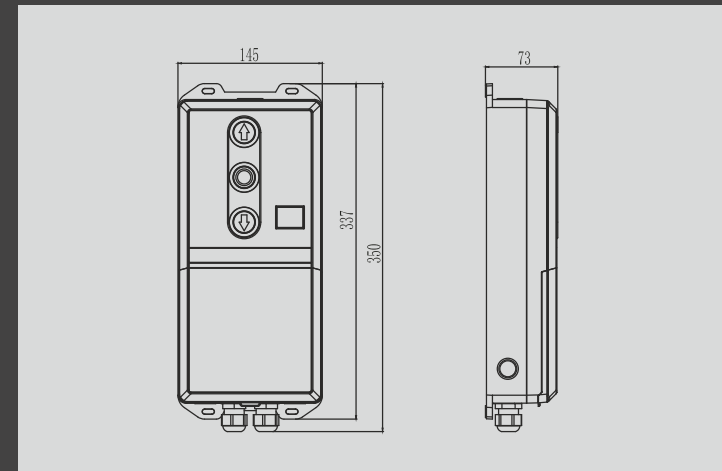
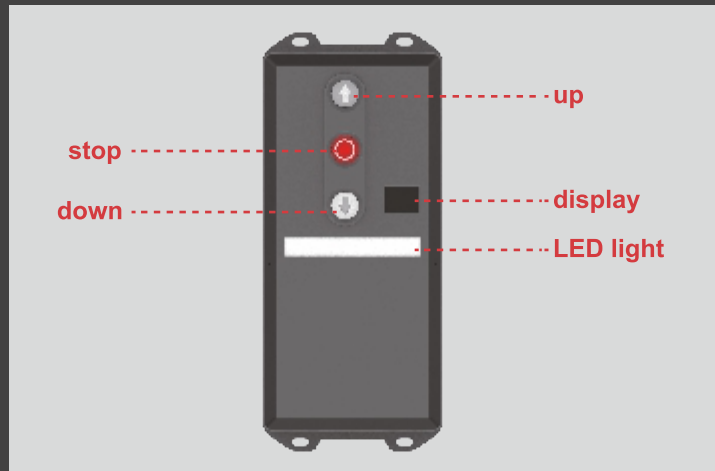
Recommendation: Door size & Weight

Standard sectional doors with cylindrical cable drum 			
Door size (max.)	36m ²	Door weight (max.)	468kg

High lift sectional doors with cylindrical-conical cable drum 			
Door size (max.)	36m ²	Door weight (max.)	468kg

Vertical lift sectional doors with conical cable drum 			
Door size (max.)	32m ²	Door weight (max.)	416kg

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



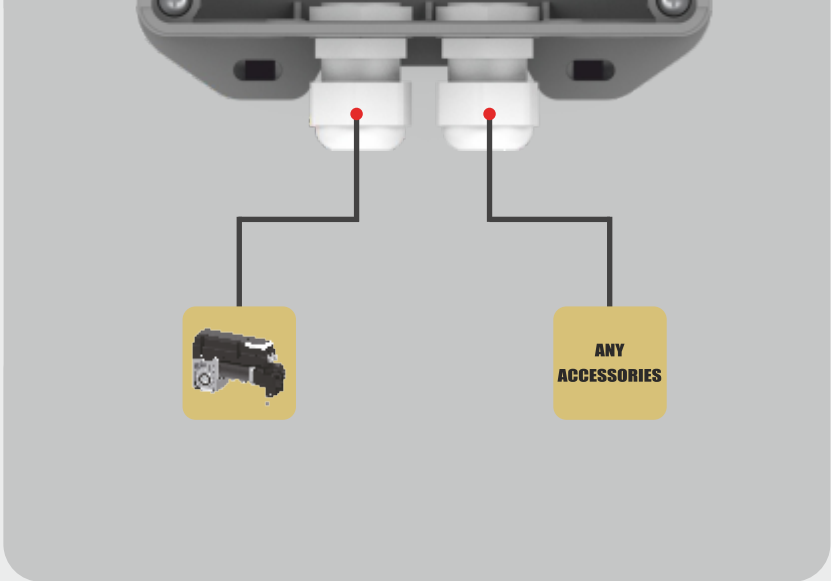
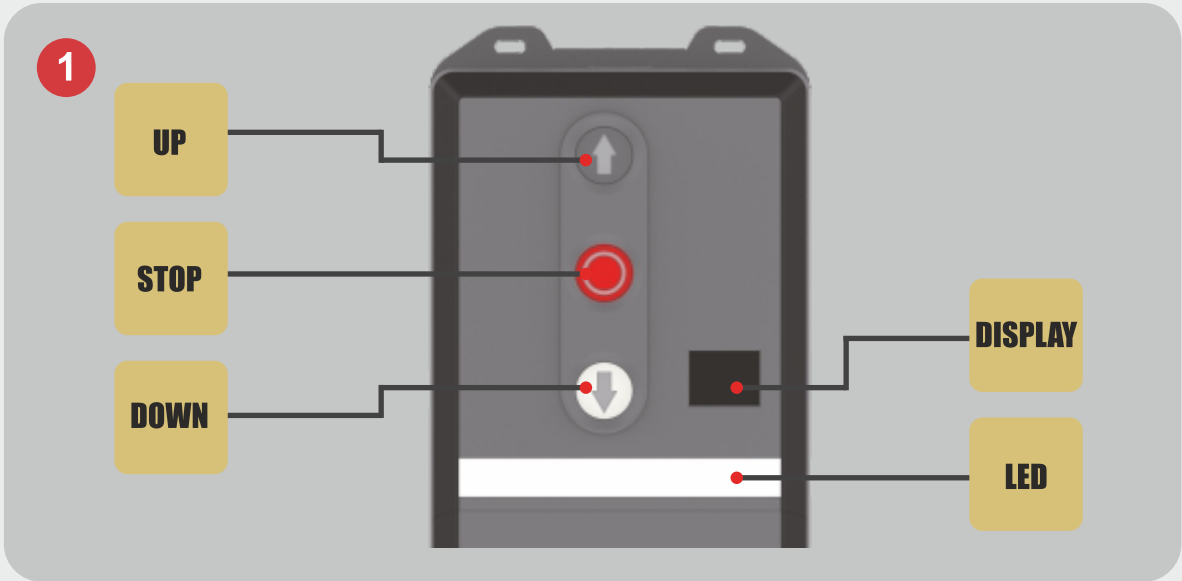
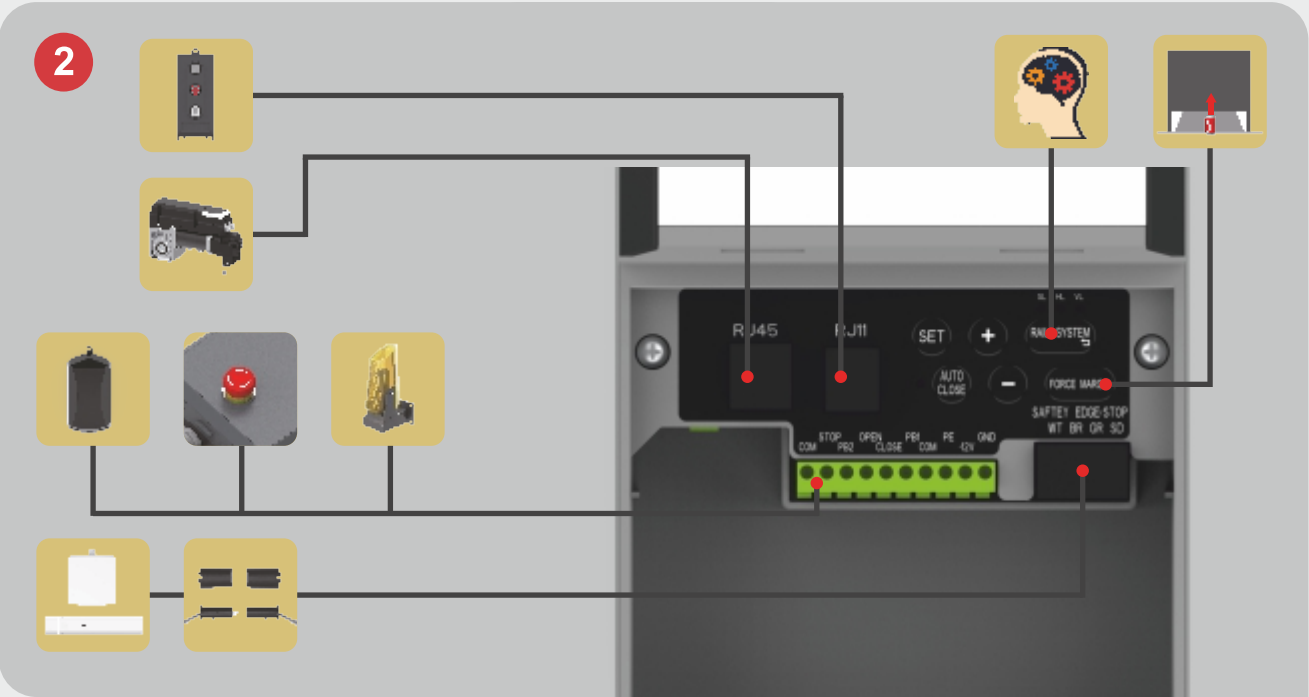
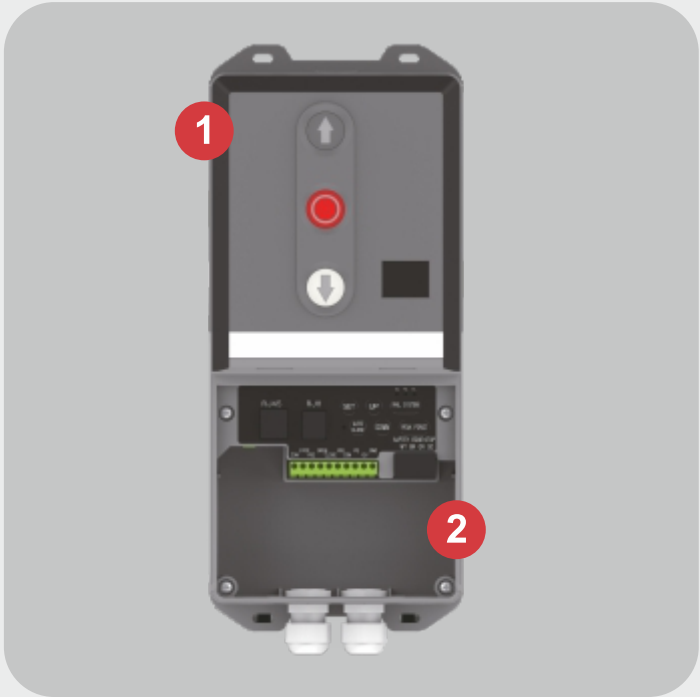
Control

The control box is suitable for 50Nm, 70Nm and 120Nm 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	BASE 120
Maximum output torque	35Nm	50Nm	70Nm	140Nm
Rated output torque	25Nm	35Nm	50Nm	120Nm
Input voltage	110/220(1+10%)V 60Hz/50Hz 380V-420V			
Control system	24V DC			
Motor power	0.35KW	0.45KW	0.55KW	0.85KW
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)	15 turns of output shaft (max. 6.5m 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			
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	Drive motor&wired control box	Drive motor&wired control box	Drive motor&wired control box
Quick release with rope	Including	Including	None	None
Chain hoist module	None	Optional	Including	Including
Optional sensing edge set (TX and RX)	Optional	Optional	Optional	Optional

05

700N / 1100N
Residential Door Opener

Standard Kit Includes:

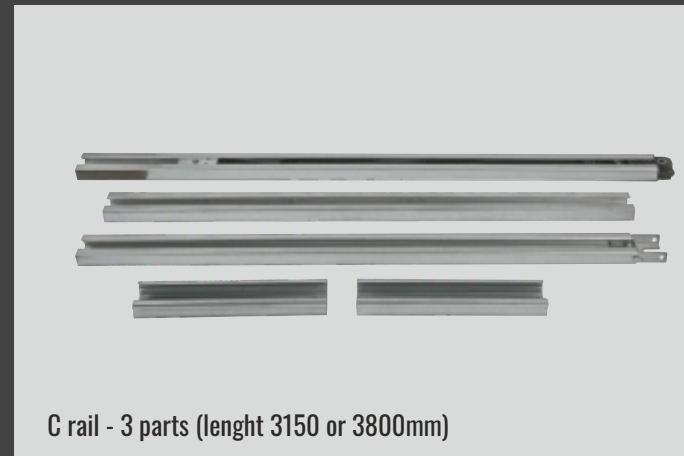
Motor

C rail - 3 parts

Transmitters



Motor



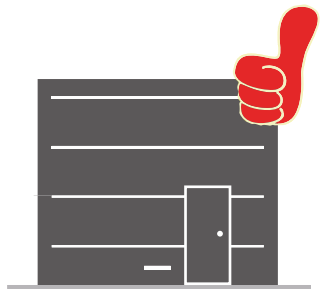
C rail - 3 parts (length 3150 or 3800mm)



RC07
transmitter (2 pcs)

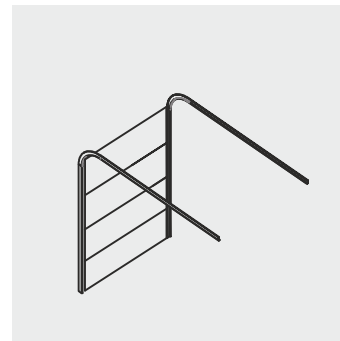
Door Types

Lifting Types



Wicket garage door
Strongly recommended

700N/rail 3150mm

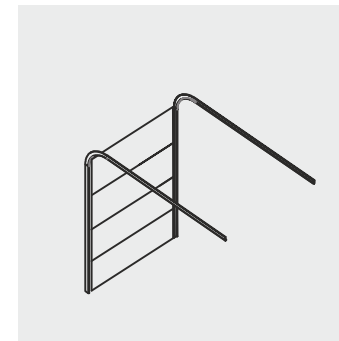


Standard lift

Lifting type:

- Up to 7m² Door Size Supported
- Up to 90Kgs Door Weight Supported
- Up to 2.3m Door High Supported

1100N/rail 3800mm



Standard lift

Lifting type:

- Up to 11m² Door Size Supported
- Up to 140Kgs Door Weight Supported
- Up to 3.0m Door High Supported

PARAMETERS


OREO SERIES

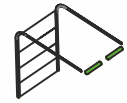
● Model	700N / 1100N
● Input voltage	220-240V / 110-127V, 50-60Hz
● Max. opening speed	180mm/second
● Max. door height	2300-3000mm
● Bottom base material	Metal
● Drive mechanism	Belt / Chain
● Frequency	868MHz (433.92MHz)
● Max. door area	7m ² / 11m ²
● Max. door weight	90kg / 140kg
● Weight brutto	5.6kg
● Weight C rail - 3150mm	7.8kg
● Weight C rail - 3800mm	8.0kg

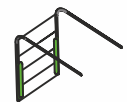
Features

Soft-start / stop	* Status display remote
Maintenance alarm	* Reversal height setting
433MHz / 868MHz rolling code	* Automatic closing time setting
Reset factory setting	* Maximal remote quantity setting
Reversal force setting	* Travel speed setting (door dependent)
More information display	* Half-open / height setting
Terminal devices supported	* Pass door switch type setting
Photo cell on / off setting	* L.E.D off delay time setting (1min *N N=1--9)
Electronic travel limit setting	* Automatic closing time setting(time & height)
Transformer overload protection	

Recommendation: Door size & Weight

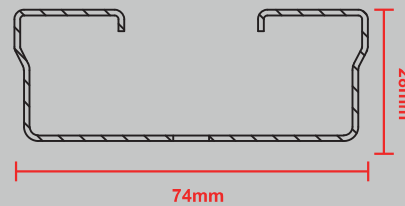
Standard sectional doors with cylindrical cable drum 			
Door size (max.)	7m ² / 11m ²	Door weight (max.)	90kg / 140kg

Standard sectional doors with rear springs location 			
Door size (max.)	7m ² / 11m ²	Door weight (max.)	90kg / 140kg

Standard sectional doors with tensions springs 			
Door size (max.)	7m ² / 11m ²	Door weight (max.)	90kg / 140kg

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

**EASY ASSEMBLY
NO SCREWS
JUST 4 MINUTES**



C rail cut in 3 pieces with chain/belt:

- length 3150mm for doors up to 2300mm
- length 3800mm for doors up to 3000mm

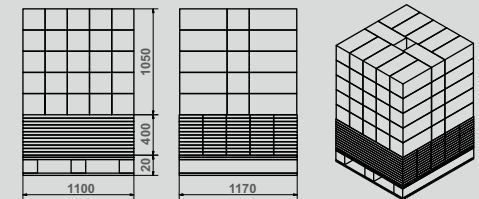
Pallet dimensions: 1100×1170×1570mm

Per pallet contains: 60 kits

60 × OREO GDO power head (5 layers × 12pcs)

60 × 3150mm 3 parts rail (12 layers × 5pcs)

Weight of pallet: 645kg



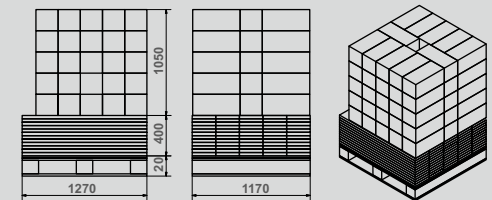
Pallet dimensions: 1270×1170×1570mm

Per pallet contains: 60 kits

60 × OREO GDO power head (5 layers × 12pcs)

60 × 3800mm 3 parts rail (12 layers × 5pcs)

Weight of pallet: 680kg



Accessories



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



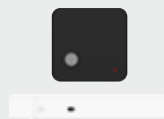
Optical edge sensors kit,
TX 6m cable, RX 1m cable,
electronic box, spiral cable coil cord
with 3.5m or 5.5 m
active length for 5.0m high door



Chain hoist assy with release cord
5m hand chain included



SD protection kit SD01,
wireless wicket door sensor,
water proof receivers,
12-24V AC/DC, for industrial door



SD protection kit SD02,
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



Warning light FLO1,
12 - 240V AC/DC, orange cover,
white LED light



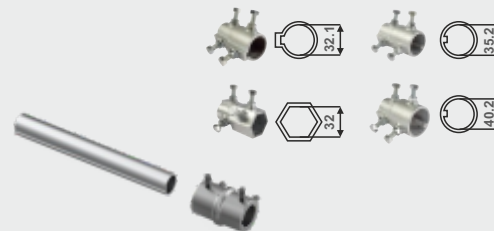
Warning light FLO2,
12 - 240V AC/DC, transparent cover,
yellow LED light



Wired push button
(open, stop, close)
with 4m or 6m or 8m cable



Control box, work with BASE 50,
BASE 70 or BASE 120 with
5m or 6m or 8m or 10mm
connection cable, multi-function
ports supported for safety devices



Extension shaft
200mm, shaft connector,
mounting screws included



Emergency stop assy
(signal stop) installed on control box,
1 button to deadman mode,
safety rolling to release



Emergency stop assy
(power stop)
with 3.5m or 4.5m
or 5.5m or 6.5 m cable



Power cable extension,
3.5m or 4.5m or 5.5m or 6.5m cable



Chain extension
2m or 4m or 6m or 8m,
2pcs chain-links included



Spiral cable (4wires), 3.5m active design
for max. door height 5m
or 5.5m active design for max. door height 7m

ACCESSORIES

BASE



8P-28AWG connection cable,
length 6m or 8m or 10m between
control box and power motor



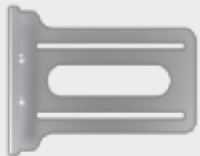
230V CEE power



400V CEE power red plug with 1.5m cable



230V CEE power blueplug with 1.5m cable



Heavy bracket with M8 bolts
for BASE 50, BASE 70
or BASE 120



Raised key for hollow shaft



Ring of shaft, diameter 25,4mm

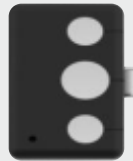


Quick release hand cord,
4m or 6m or 8m ropes,
1× clutch handle included

Accessories



Transmitter RC07, 868MHz,
4 rubber buttons,
4 channels, rolling code technology,
100m control range



Sun visor transmitter SVR 01,
868MHz, 3 buttons,
2 channels, rolling code technology,
80m control range



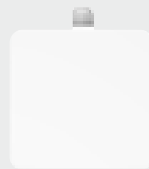
Sun visor transmitter SVR 02,
868MHz, 2 buttons,
2 channels, rolling code technology,
80m control range



Universal receiver UR01,
868MHz, 3 channels,
500 codes capacity, rolling code technology,
built-in antenna



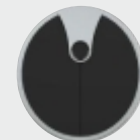
Mini universal receiver UR02,
868MHz, 1 channels,
500 codes capacity, rolling code technology,
built-in antenna



Universal receiver UR03,
868MHz, 3 channels,
500 codes capacity, rolling code technology,
built-in antenna



Wireless keypad WK02,
868MHz, 2 channels,
built-in LED light (green),
IP54 protection, 50m control range,
up to 8 digit password support



Wireless wall switch WWS03,
2 channels 868MHz,
3 buttons, built-in LED light (green)
IP54 protection, 50m control range,
up to 8 digit password support



Wireless wall switch WWS01,
868MHz, 3 channels,
3 channel, rolling code technology,
100m control range



Wireless keypad WK01,
2 channels 868MHz, built-in LED light (blue)
IP54 protection, 50m control range,
up to 8 digit password support



Photo cell PC01,
1.92KHz frequency, 940nm wave
length, up to 15m working range,
side to side installation supported



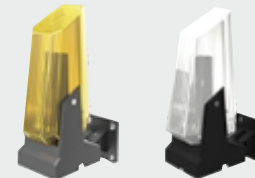
WIFI device, on-rail installation,
stable cable connected,
IOS and Android APP, status display



External power supply BB01,
24V lead-acid battery backup- 2.6Ah,
lithium battery, 24V, 2Ah, 7 days standby,
80 cycles max. output



External power supply BB02,
24V lead-acid battery backup- 2.0Ah,
lithium battery, 24V, 2Ah, 48 hours standby,
60 cycles max. output,
10 cycles supported after 24hrs standby



Warning light FLO1,
12 - 240V AC/DC, orange cover,
white LED light
or
Warning light FLO2,
12 - 240V AC/DC, transparent cover,
yellow LED light



SD protection kit SD01,
wireless wicket door sensor,
water proof receivers,
12-24V AC/DC, for industrial door
or
SD protection kit SD02,
wireless wicket door sensor,
non-water proof receivers,
12-24V AC/DC, for residential door

WIRELESS WICKET DOOR SENSOR



Receiver



Bring a safer effect on the doors

SAFETY EDGE



Receiver



CABEL NO NEEDED



Bring a safer effect on the doors

APP F-LINX

UNIVERSAL WIFI DEVICE



The top section shows the F-LINX logo, a smartphone displaying the app interface, and a small black USB device. A red double-headed arrow indicates a bidirectional connection between the app and the device. A red thumbs-up icon is positioned next to the smartphone.

The middle section shows a detailed view of the app interface with three callouts:

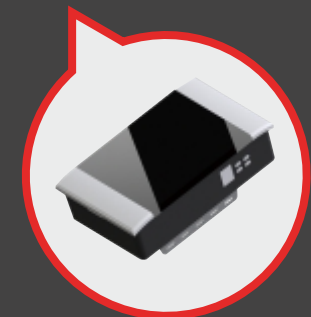
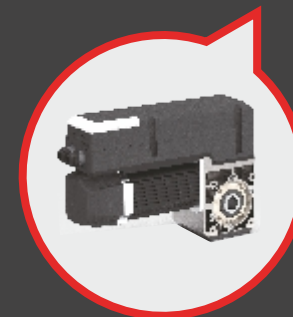
- Display the status of the door. When you open or close the door, it will display animation along with the status of your door.**
- Display the progress of the door. When you open or close the door, the percentage will be displayed according to the status of the door.**
- O / C / S**

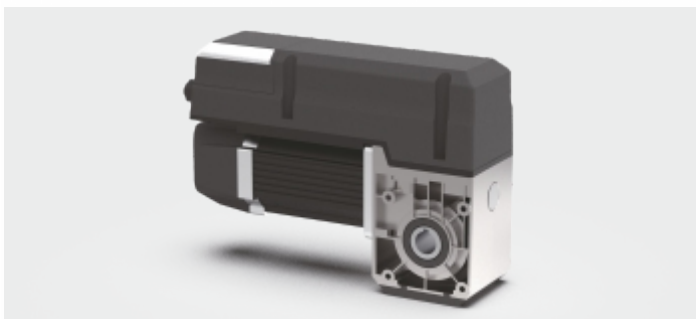
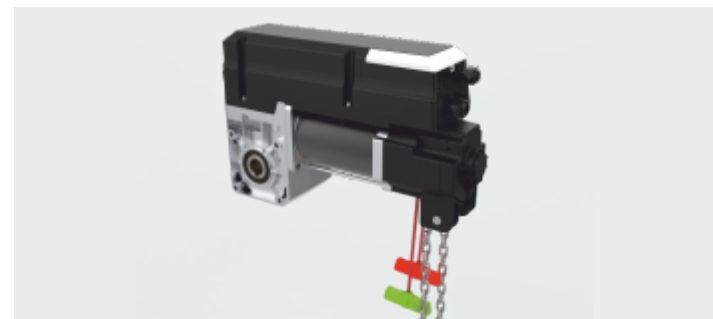
At the bottom of the app interface, there are three icons labeled "Close", "Repair", and "Help".

The bottom section shows a woman using her smartphone, with blue signal waves connecting her to a garage door opener. A blue arrow points upwards from the garage door, indicating its status.



- Compatible with all branding of garage door opener in the market
- Rail assembly design
- Inner Encoder design to rear the door status without an extra camera





*The safer effect,
is the BASE*

07/2022

FMK motorized s.r.o.
Stoličkova 2464/43, 767 01 Kroměříž
Czech Republic
sales@fmk-motorized.com
info@fmk-motorized.com
www.fmk-motorized.com