

# MOTORS

RESIDENCIAL / INDUSTRIAL





MOTORS



Historically, Flexidoor has proved unwavering in developing and manufacturing all the products that it sells. In what its core business concerns, sectional doors, Flexidoor has been playing a key role in the development, innovation and product promotion. In search of success by bridging the timeless demands and needs in marketplace, Flexidoor continued its investment in innovation and, in 2005, started the manufacturing of High Speed Doors. Flexidoor became the first Portuguese manufacturer of that type of doors certified according to European standards. Flexidoor High Speed Doors have been praised in all markets particularly in terms of reliability, security and robustness. Following all these steps, Flexidoor S.A. chose the 2010 year to launch its own brand of automation - the LIKE IT.

A completely new brand, developed thinking exclusively in innovation and in the most demanding and stringent needs of the intended spaces. With a development based on four basic pillars, the quality of the materials, the bet in an attractive design, the full integration with the home and the certification and CE marking, Flexidoor presents a range of top residential and industrial automation. Innovation, Safety and Product Liability are the distinguishing factors of this whole new range of products.

With a vision of the future, always providing its customers the most innovative services and more advanced solutions, the range of automatic LIKE IT is already a new successful case of Flexidoor in the market.

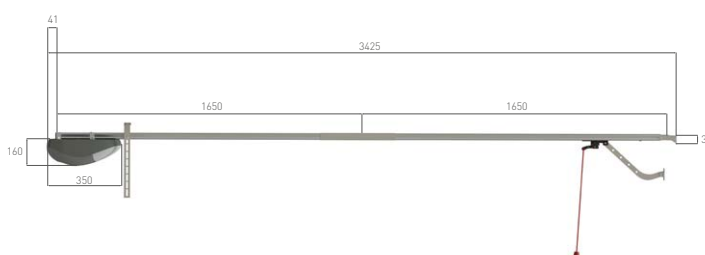


	PRO60	PRO80	PRO120
Power supply	230V 50Hz - 60Hz	230V 50Hz - 60Hz	230V 50Hz - 60Hz
Maximum door surface	8 m <sup>2</sup>	12 m <sup>2</sup>	16 m <sup>2</sup>
Motor supply	24 Vdc	24 Vdc	24 Vdc
Power	100W	120W	150W
Decoding	Rolling Code	Rolling Code	Rolling Code
Working frequency	433,92 Mhz	433,92 Mhz	433,92 Mhz
Pulling force	600N	800N	1200N
Operating temperature	>-20°C, <+50°C	>-20°C, <+50°C	>-20°C, <+50°C
Protection level	30 IP	30 IP	30 IP
Speed	0,15 m/s	0,15 m/s	0,15 m/s
Duty cycle	45%	45%	45%
Relative humidity	≤ 90%	≤ 90%	≤ 90%
Courtesy light	LED	LED	LED
Motor dimensions	200x110x350 mm	200x110x350mm	200x110x350mm
Weight	3,5 kg	4,25kg	4,35kg
Command feed	Bat. CR 2016 3V (x2)	Bat. CR 2016 3V (x2)	Bat. CR 2016 3V (x2)
Maximum door height	2,5m*	2,5m*	2,5m*

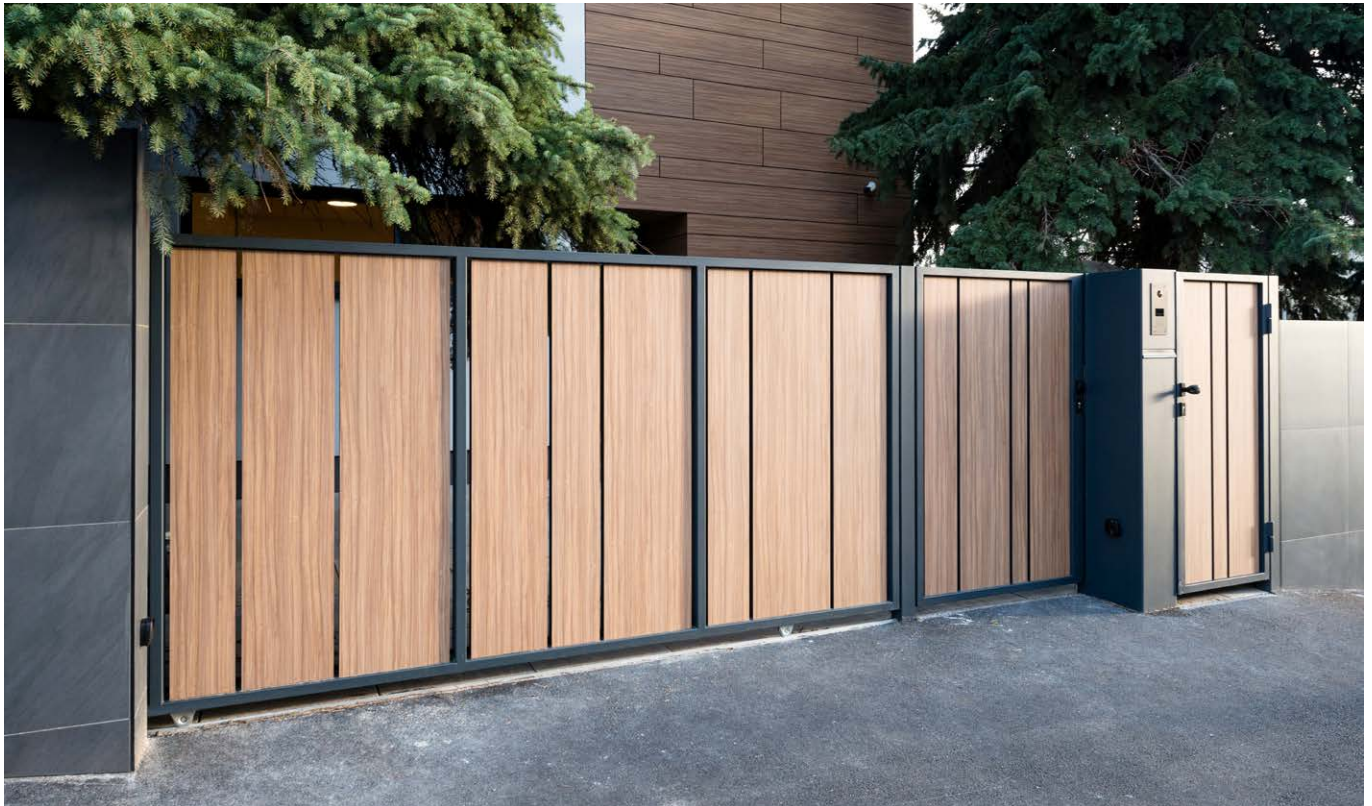
\*with the LKPRC12 part the maximum height is 3.5m

## MOTOR FOR SECTIONAL AND UP-AND-OVER DOORS

LIKE IT is the latest innovation in home automation, with a range of solutions where high technology reigns. With different options in terms of power, the PRO delivers the performance of a motor specially developed for the residential market, with easy programming functions, quality of conception and the elegance of a top design.



For doors with max. height of 2500mm



500M | 800M | CR600 |  
CR1000 | CR2000

## SLIDING GATE OPERATOR

LIKE IT presents the SLIDE engine, a new range of operators for sliding gates. Available in two versions with 24 Vdc: one for 500kg and another for 800kg and 230V for 600Kg, 1000Kg and 2000 Kg, capable to adapt to all different kind of situations. This way the client doesn't need to be constantly concern by choosing between several models and engine types.

In case of power failure, the engine can be operated applying batteries. The release (with key) is frontal and it is easily accessible.

	500M	800M	CR600	CR1000	CR2000
Power supply	24 Vdc	24 Vdc	230 v	230 v	230 v
Max Absorbed Power	144 W	144 W	280 W	400 W	750 W
Maximum operating current	5.5 A	5.5 A	5.5 A	5.5 A	5.5 A
Speed	0.271 m/s	0.1855 m/s	0.13 m/s	0.11-0,13 m/s	0.11-0,13 m/s
Maximum gate weight	500 Kg	800 Kg	600 Kg	1000 Kg	2000 Kg
Maximum gate length	6 m	8 m	8 m	8 m	8 m
Working temperature	-20 °C/+50 °C	-20 °C/+50 °C	-20 °C/+70 °C	-20 °C/+70 °C	-20 °C/+70 °C
Weight	8 kg	9.5 kg	10.1 kg	16 kg	20 kg
Mec./Mag. Limit switch	Mec./Mag.*	Mec./Mag.*	Mola	Mola	Mola
Obstacles detection Protection	Yes	Yes	Yes	Yes	Yes
Speed reduction	Yes	Yes	Yes	Yes	Yes
Smooth start	Yes	Yes	Yes	Yes	Yes
Direction reversal	digital	digital	digital	digital	digital
Battery connection	Yes	Yes	Yes	Yes	Yes

\*Mechanical/Magnetic

## IT'S ADVANTAGES:

- Mechanical/Magnetic Limit switch
- Memory for 50 codes
- Automatic closing
- Route self-programmable
- Ultra quiet opening and closing movement
- Slowdown during final opening and closing movement
- Multiple connections: Photocells, Push button, Key switch, Flashing light device
- Safety Reverse system: Detection of obstacles at opening and closing movement, reversing is movement when detects an obstacle on closing movement, and stops when detects an obstacle in the opening movement, ensuring maximum safety for users.

# MOTOR FOR INDUSTRIAL DOORS



LK75 / LK100



LKBOX75CHW  
LK100BOXDIGI



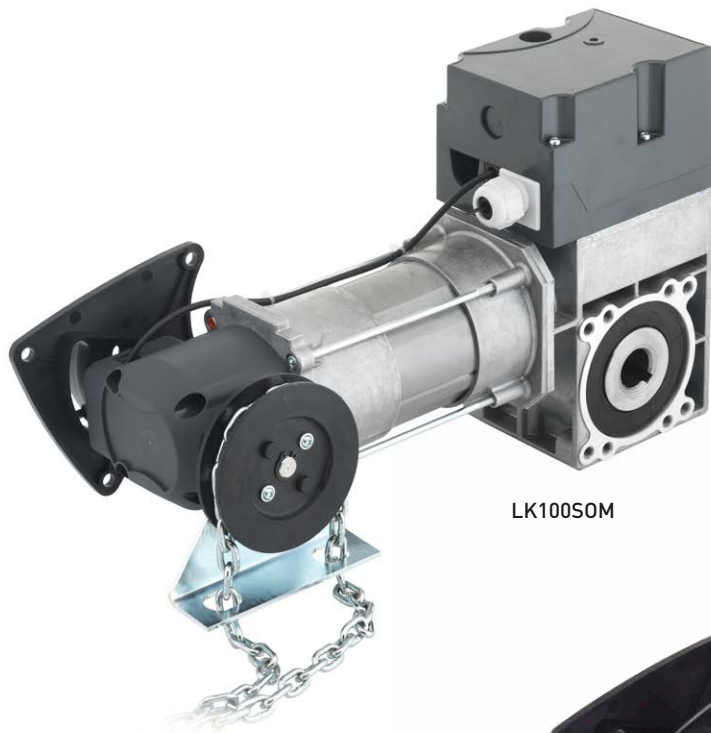
LKBOX75CH

	LK75	LK100
Working Voltage	230 V	400 V
Max. Door surface	25 m <sup>2</sup>	35 m <sup>2</sup>

## LK75/LK100 IS THE PROOF THAT SAFETY CAN BE REACHED

The LK model is specifically targeted to the market of industrial sectional doors. It was developed based on stringent technical and market studies, incorporating the latest technologies at our disposal,

as well as systems capable of meeting and satisfying all kinds of demands and needs in the industry sector.



LK100SOM



LK100SOM-HP



LK100BOXSOM

Shaft Single-phase motor / Three-phase motor with Automatic or Dead Man Control Board

LK100SOM + LK100BOXSOM	Single-phase motor	Triphase
Working Voltage	230 V	400 V
Maximum Door surface	25 m <sup>2</sup>	35 m <sup>2</sup>

Shaft Single-phase motor/ Three-phase motor with Integrated Dead Man Control Board

LK100SOM-HP	Single-phase motor	Triphase
Working Voltage	230 V	400 V
Maximum Door surface	25 m <sup>2</sup>	35 m <sup>2</sup>



OPENEC 300 / OPENEC 400



OPEN 300



## ENGINES FOR SWING GATES

LIKE IT presents OPEN SP, OPEN 300 and OPEN 400, a new range of engines for swing gates with leaves up to 4,0m. Designed according to the high standards of the global market, it was produced to achieve a high level of functionality and quality..

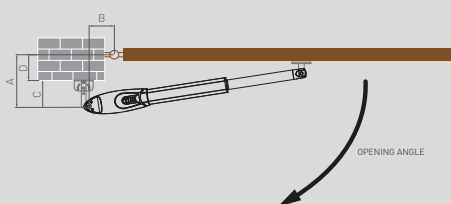
- OPEN 300/OPENEC 300: Maximum weight/ length per gate leaf; 300Kg/3,5m.
- OPENEC 400: Maximum weight/ length per gate leaf; 350Kg/4m.
- 24V DC Electro-mechanical gear motors for residential use

- Worm gear provides durability and silence in motor operation
- Slowdown during the ends of opening and closing phases
- Single-gate or dual-gate installation is optional

## INCLUDING:

- 2 Swing gate motors
- 2 Photocells
- 1 Control Board
- 1 Remote control, 4 channels Rolling-code 433.92 MHz

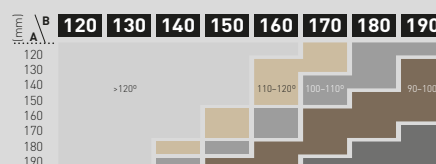
## DIMENSIONS



- "C" value is 139mm.
- "D" can be easily measured from the gate.
- "A" = "C" + "D".
- The value of "B" can be calculated from the value of "A" and the leaves opening angle.

Example: If "A"=160mm with the leaves opening angle of 100 degrees, then the value of "B" is approximate 190mm.

\*\* Please make sure "B" and "A" are similar or the same in value that the leaves can be operated smoothly, also to reduce the burden of the motor.



Quick release device



Metal fixing plate



Copper worm gear



Motor with mechanical release

Gear type

Maximum Absorbed Power

Peak thrust

Nominal thrust

Stroke length

Power supply

Current rating

Maximum gate weight

Maximum gate length

Duty cycle

Working temperature

Dimensions

Weight

### OPEN 300/ OPENEC 300

24 Vdc  
Worm gear  
114 W  
3000 N  
2500 N  
350 mm  
24 Vdc  
2 A  
300 kg per leaf  
3.5 m  
20 %  
-20 °C a + 50 °C  
844x115x106 mm  
6,25 kg

### OPENEC 400

24 Vdc  
Worm gear  
114 W  
3500 N  
3000 N  
350 mm  
24 Vdc  
3 A  
350 kg per leaf  
4 m  
20 %  
-20 °C a + 50 °C  
844x115x106 mm  
6,25 kg



# TRAFFIC BARRIER



LK-BAR60 is the electromechanical barrier from LIKE IT, designed for industrial or residential use, for a road passage up to 6m.

LK-BAR60 is a reference in its sector in terms of power and reliability, and it is equipped with an electronic control of latest generation, to ensure the interrupted management of collective parking lots.

To prevent a power failure, a battery kit can be applied in the LK-BAR60 barrier to give power to the 24Vdc motor. The batteries can be charged directly in the control board of the barrier or by solar panels. In this case it is not necessary to have an external electrical connection.

The materials used guarantee absolute reliability through their lifetime. The electrical control box is easily accessible and fully protected by the lacquered finish box made in galvanized steel. This barrier has a two-way system that allows reversing the direction of operation, and having a very low noise level.

This set of advantages makes this traffic barrier unique in its sector, becoming accessible to any type of assembly.

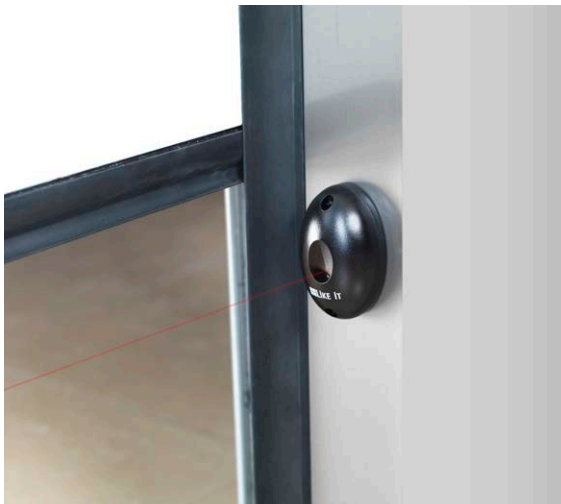
LK-BAR60	
Motor	1400 rpm 4 poles
Power supply	230 VAC / 24 VDC
Absorbed Power	80 W
Current rating	3.33 A
Protection level	IP 44
Insulation class	F
Duty cycle	80 %
Working temperature	-20 °C a +50 °C
Weight	49 kg
Opening time	3 a 6 s
Mechanical limit switch	✓
Obstacle detection	✓
Automatic closure	✓
Deceleration	✓
Gear lubrication	Continuous
Maximum torque	250 N.m.
Spindle length	max. 6 m
Control board	DC
Power supply	230 VAC
Power without torque	6W
Accessories power supply	12 VDC 5 W max.
Maximum torque	80 W
Remote control frequency	433.92 MHz
Automatic closing time	1 - 99 s
Working temperature	-10 °C a +60 °C

# ACCESSORIES



## DIGIWIRELESS

The selectors LIKE IT offers the DIGIWIRELESS, a digital wireless key selector with Rolling code 433.92 MHz technology that is easily fixed on a wall for a regular utilization.



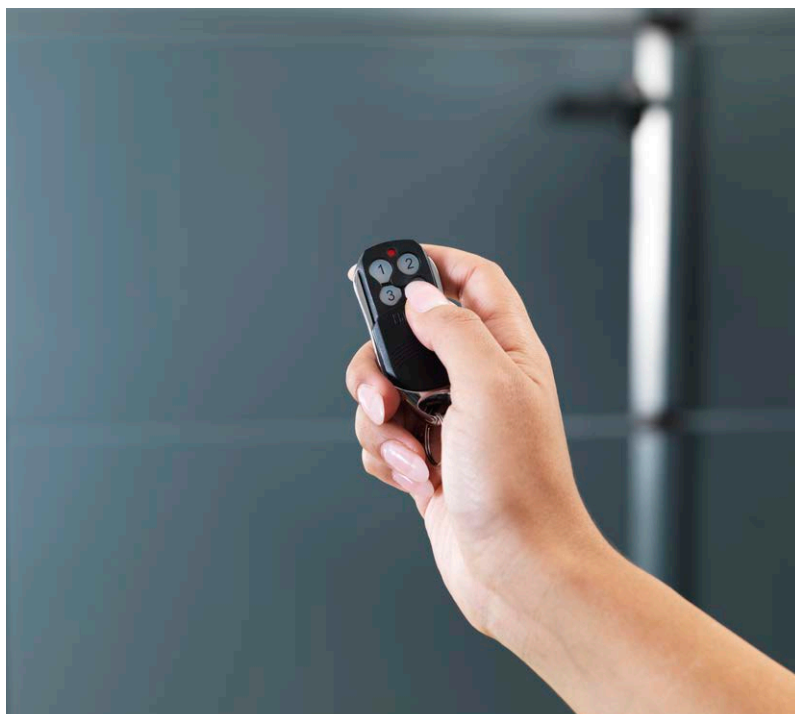
## VIS

The VIS photocell is an optical sensor with transmitter and receiver that work by infrared signal to detect the presence of obstacles, which function is to stop and reverse the door movement before it collide with a person or object in the area of operation.



## FLASHING LIGHT

The beacon light is another component that Flexidoor provides as an option to be applied on its doors. Installing this component enables the signalization of the movements of our doors, functioning whenever they are closing or opening. As an alarm, it is undoubtedly a very efficient safety system allowing the pedestrian to easily check whether the door is in operation, avoiding possible accidents.



## FAST4

The new line of remote controls FAST4 are the perfect combination of factors like aesthetics, functionality and design, which added the elegance and versatility needed every day. The protective plastic, very resistant, ensures a perfect and lasting life.

### FAST4

Number of Channels	4
Encoding type	rolling-code
Transmission frequency	433,92MHz
Irradiated power	1mw
Encoding	64 bit
Maximum temperature	55°C
Capacity of signal	150-200m



## EXT2

The external receiver EXT2 have 2-channel rolling-code 433.92 MHz with 999 codes memory with plug-in for multiple applications.



## WIRELESSBAND

Wireless pedestrian safety kit for automatic doors.



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