

M-Fab

For swing gates with leaves up to 3 m, underground installation

Even more reliable and resistant



Waterproof, with IP67 protection rating

Externally chamfered FAB BOX

Irreversible electromechanical gear motor, also available in 24 Vdc versions with magnetic encoder.

3 types of electromechanical gear motors M-Fab.

Foundation boxes externally chamfered, Fab Box, with mechanical stop on opening:

- **in stainless steel** (MFABBOXI), ideal for use in extreme conditions;
- **with the cataphoresis paint finish** (MFABBOX), highly resistant to corrosion.

Reliable and resistant: motors made up of solid internal parts in metal. New IP67 waterproof die cast aluminium.

Total freedom of choice: release from inside and outside, two key-operated models or freely compatible lever version and easily activated with just one hand.

Simple to use: mechanical stop system on closure. Standard opening max. 110°, optional opening 360°.

Totally compatible with the previous Metro series.

Recommended control units: Moonclever MC800 for MFAB3000 and MFAB3000L; Moonclever MC824H for MFAB3024.

24 Vdc version with magnetic encoder.

Perfect for intensive use, compatible with the control unit Moonclever MC824H:

- simple programming, by means of a single key;
- automatic memorization of limit switches on opening and closing with self-learning function;
- automatic fault diagnostics;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;
- operation in event of power failure by means of optional rechargeable batteries (PS324);
- provision for connection of latest generation resistive sensitive edges.

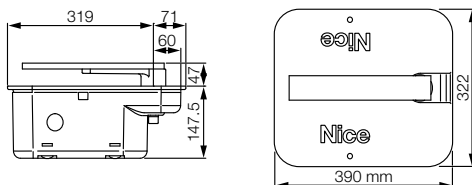
Nice **BiDirectional products** indicate the status of the automations and confirm correct reception of the command.

Discover the complete range of BiDirectional products on page 176.

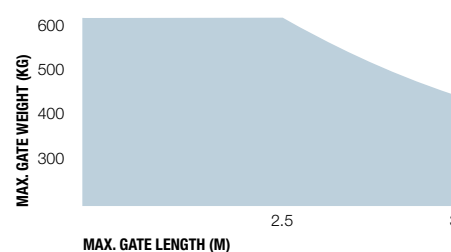
Yubii is the new Nice ecosystem that connects all the automations in the home.

Discover all the benefits of the Yubii system on page 168.

DIMENSIONS



UTILISATION LIMITS



The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side. Use in windy areas 230 Vac models.

COMMON ACCESSORIES



CORE

Nice Wi-Fi-Radio Gateway.

Pc./Pack 1



IBT4N

Interface for connecting the O-View programming unit.

Pc./Pack 1



BIDI-ZWAVE

Plug-in communication interface between Z-Wave™ gateways and Nice motors.

Pc./Pack 1



IT4WIFI

Smart Wi-fi interface to manage gates and garage doors by smart phone (*).

Pc./Pack 1



PS324

24 V battery with integrated battery charger.

Pc./Pack 1



MEA2

Key unlock system.

Pc./Pack 1



MEA3

Lever-type key unlock system to use when system is installed on surfaces such as sand or earth.

Pc./Pack 1



MEA5

Lever-type unlock key.

Pc./Pack 4



MEA6

Limit switch bracket, for installations where box embedding in concrete is not possible.

Pc./Pack 4



MEA1

Accessory for opening up to 360° for gates max. 2.5 m in length.

Pc./Pack 4



PLA10

Vertical 12 V electric lock.

Pc./Pack 1



PLA11

Horizontal 12 V electric lock.

Pc./Pack 1

TS

Signboard.

Pc./Pack 1



SOLEMYO KIT

The solar power to automate gates, garage doors or barrier gates. See page 229.

* Not compatible with the Solemyo kit and PS324

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
MFAB3024	Irreversible, 24 Vdc, with magnetic encoder, complete with connecting lever and mechanical stop for the closing manoeuvre	18
MFAB3000	Irreversible, 230 Vac, increased speed, grease lubrication, complete with connecting lever and mechanical stop for the closing manoeuvre	18
MFAB3000L	Irreversible, 230 Vac, cruising speed, grease lubrication, complete with connecting lever and mechanical stop for the closing manoeuvre	18

Code	Description	Pack/Pallet
MFABBOXI	Externally chamfered foundation box in stainless steel with mechanical stop on opening	20
MFABBOX	Externally chamfered foundation box with cathaphoresis finish with mechanical stop on opening	20

Note: key release mechanism, freely compatible with selection of models MEA2 and MEA3 motor.

Code	MFAB3024	MFAB3000	MFAB3000L
ELECTRICAL DATA			
Power supply (Vac 50 Hz)*	-	-	230
Power supply (Vdc)	24	-	-
Absorption (A)	5	1,2	1,3
Power (W)	120	250	300
PERFORMANCE DATA			
Speed (rpm)	1,4	1,14	0,8
Torque (Nm)	250	300	250
Work cycle (cycles/hour)**	76	30	20
DIMENSIONAL AND GENERAL DATA			
Protection level (IP)	-	67	-
Working temp. (°C Min/Max)	-	-20 ÷ +50	-
Dimensions (mm)	-	390x322x194.5 h	-
Weight (kg)	-	11	-

* 60 Hz version available on request. **The indicated value has to be halved if the opening is up to 180°.

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

Code	control unit/receiver								transmitter							photocells							flashing light							
	MC200 / Built-in*	MC800 / OXLR	DXIBD / OXLR	DPRO500 / OXLR	DPRO924 / OXLR	MC424L / Built-in*	MC824H / OXLR	MC824HR / OXLR	DXIBD / OXLR	ERA INTI	ERA ONE	ERA ONE BD	ERA ONE LR	ERA FLOR	NICEWAY	EPS	EPM	EPL	EP5B	EPMB	EPLB	EPMOV	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT	
MFAB3024																														
MFAB3000																														
MFAB3000L																														

* Radio receiver incompatible with Opera system