M-FAB

SOLEMYO | OPERA | BLUEBUS | 24V | 230V

For swing gates with leaves up to 3 m, underground installation.
Irreversible electromechanical gear motor, also available in 24 Vdc versions with magnetic encoder.

3 types of electromechanical gear motors irreversible **M-Fab**.

2 foundation boxes externally chamfered, Fab Box, with mechanical stop on opening:
- **in stainless steel** (SFAB2024KCEI), 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: Mindy A6F, A60, A700F; for MFAB3024 Moonclever MC824H.

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;
- self-learning of opening and closing limit positions;
- 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.



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 CATAPHORESIS FINISH WITH MECHANICAL STOP ON OPENING	20

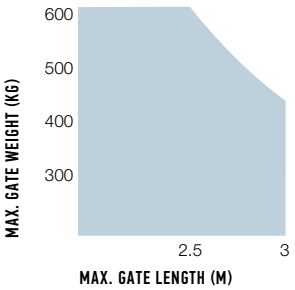
NOTE: key release mechanism, freely compatible with selection of models MEA2 and MEA3 motor.

TECHNICAL SPECIFICATIONS

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		

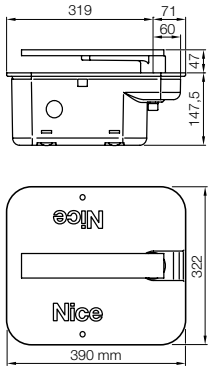
*60 Hz version available on request. **The indicated value has to be halved if the opening is up to 180° - by using the MEA1 accessory.

UTILISATION LIMITS

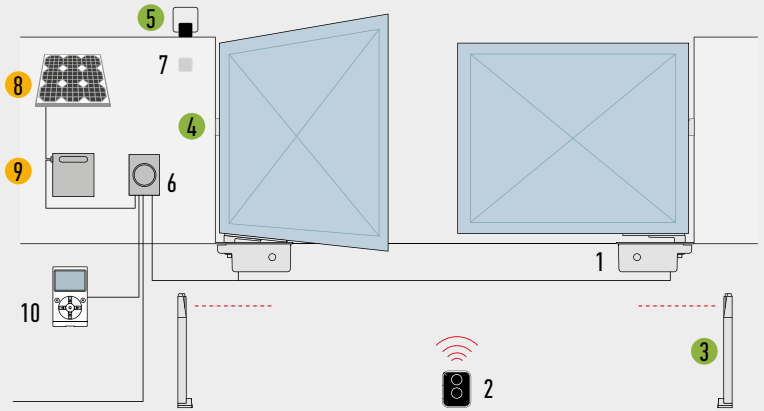


The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side. Use in windy areas 230 Vac models.

DIMENSIONS



INSTALLATION DIAGRAM



1. MOTOR
2. TRANSMITTER
3. PHOTOCELLS MOUNTED ON POSTS
4. PHOTOCELLS
5. FLASHING LIGHT
6. CONTROL UNIT
7. DIGITAL OR KEY SWITCHES
8. SYP SOLAR PANEL
9. PSY24 BATTERY BOX
10. O-VIEW MULTIFUNCTION DISPLAY

● ACCESSORIES ALSO AVAILABLE FOR THE Solemyo Air Net System WIRELESS VERSION
● Solemyo SOLAR POWER ACCESSORIES

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

	CONTROL UNIT / RECEIVER										TRANSMITTER				PHOTOCELLS										FLASHING LIGHT			
CODE	A01 / Built-in*	A02 / Built-in*	A6F / FLOXI2R*	A700F / FLOXI2R*	A60 / OXI-SMXI*	A500 / FLOXI2R*	A924 / FLOXI2R*	MC424L / OXI	MC824H / OXI	MC824HR / OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	F210	FT210	F210B	FT210B	EL	EL24	ELB	WLT
MFAB3024									●		●	●	●	●				●	●	●			●				●	●
MFAB3000			●	●	●						●	●	●	●	●	●	●				●	●			●			
MFAB3000L			●	●	●						●	●	●	●	●	●	●				●	●			●			

*Radio receiver incompatible with Opera system

ACCESSORIES



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 FOR MEA3.

PC/PACK 4



MEA6
LIMIT SWITCH BRACKET, FOR INSTALLATIONS WHERE BOX EMBEDDING IN CONCRETE IS NOT POSSIBLE.

PC/PACK 1



MEA1
ACCESSORY FOR OPENING UP TO 360° FOR GATES MAX. 2.5 m IN LENGTH.

PC/PACK 1



PLA10
VERTICAL 12 V ELECTRIC LOCK.

PC/PACK 1



PLA11
HORIZONTAL 12 V ELECTRIC LOCK .

PC/PACK 1



TS
SIGNBOARD.

PC/PACK 1

ACCESSORY

For 24 Vdc version



PS324
24 V BATTERY WITH INTEGRATED BATTERY CHARGER.

PC/PACK 1



SOLEMYO KIT
THE SOLAR POWER TO AUTOMATE GATES, GARAGE DOORS OR BARRIER GATES.
SEE PAGE 206

Nice recommends customers order products in pallets in order to facilitate storage and delivery, and ensure packs are uniform. The number of packs per single pallet has been specified for this reason. Approximate draft.

L-FAB

SOLEMYO | OPERA | BLUEBUS | 24V | 230V

For swing gates with leaves up to 4 m, underground installation.
Irreversible electromechanical gear motor, also available in 24 Vdc versions with magnetic encoder and mechanical stop.

Foundation boxes with mechanical stop on opening:
- **in stainless steel** (LFABBOX4I), ideal for use in extreme conditions,
- **with cataphoresis paint finish** (LFABBOX4), highly resistant to corrosion.

Maximum freedom of choice: release from inside or outside, two key or lever operated models, freely combinable and easy to operate with just one hand.

Simple installation: built-in mechanical stop system on closure.

Standard opening to 110°, or optional 360°.

Ideal for intensive use, LFAB4024 model is compatible with the control unit Moonclever MC824H, with BlueBUS technology, Solemyo and Opera systems:
- simple programming via a single key;
- self-learning of travel limits on opening and closing;
- self-diagnostics of faults;
- programming of pause time;
- pass door;
- deceleration on opening and closing;
- dual technology obstacle detection;
- operation in the event of a power failure with optional rechargeable batteries (PS324);
- provision for connection of latest generation sensitive edges.

LFAB4000 model is compatible with the control units A6F and A60.

CODE	DESCRIPTION	PACK/PALLET
LFAB4000	IRREVERSIBLE 230 Vac WITH BUILT-IN MECHANICAL STOP ON CLOSING	18
LFAB4024	IRREVERSIBLE 24 Vdc, WITH MAGNETIC ENCODER, WITH MECHANICAL STOP ON CLOSING	18
LFABBOX4	FOUNDATION BOX WITH CATAPHORESIS PAINT FINISH FOR LFAB4000 AND LFAB4024 WITH BUILT-IN MECHANICAL STOP ON OPENING. COMPLETE WITH LEAF COUPLING LEVER	18
LFABBOX4I	STAINLESS STEEL FOUNDATION BOX FOR LFAB4000 AND LFAB4024 WITH BUILT-IN MECHANICAL STOP ON OPENING. COMPLETE WITH LEAF COUPLING LEVER	18

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

TECHNICAL SPECIFICATIONS

CODE	LFAB4024	LFAB4000
ELECTRICAL DATA		
POWER SUPPLY (Vac 50/60 Hz)	-	230
POWER SUPPLY (Vdc)	24	-
ABSORPTION (A)	5	1.5
POWER (W)	120	340
PERFORMANCE DATA		
SPEED (rpm)	1	0.8
TORQUE (Nm)	300	500
WORK CYCLE (CYCLES/HOUR)**	60	20
DIMENSIONAL AND GENERAL DATA		
PROTECTION LEVEL (IP)	67	
WORKING TEMP. (°C MIN/MAX)	-20 ÷ +50	
DIMENSIONS (mm)*	400x325x152 h	
WEIGHT (kg)	12.5	14.3

*With foundation box. **The indicated value has to be halved if the opening is up to 180° - by using the BMA1 accessory.

FOUNDATION BOX	LFABBOX4
WEIGHT (kg)	14.4



ACCESSORY FOR L-FAB

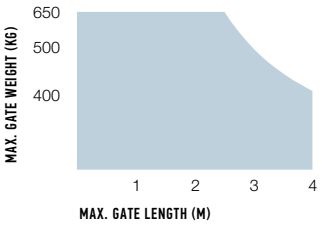
BMA2
ADAPTORS FOR A DUAL MOTOR AUTOMATION, COMPATIBLE WITH THE MAJORITY OF FOUNDATION BOXES ON THE MARKET.

PC/PACK. 4



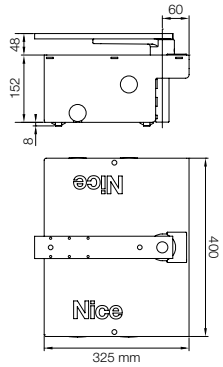
UTILISATION LIMITS

LFAB4000 - LFAB4024

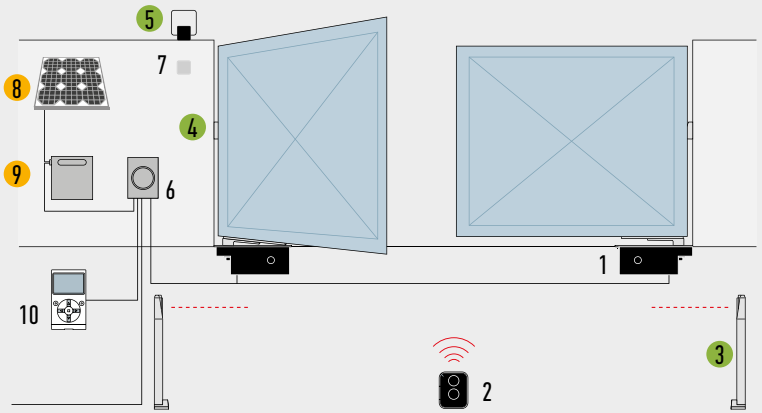


The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side.
Use in windy areas 230 Vac models.

DIMENSIONS



INSTALLATION DIAGRAM



1. MOTOR
2. TRANSMITTER
3. PHOTOCELLS MOUNTED ON POSTS
4. PHOTOCELLS
5. FLASHING LIGHT
6. CONTROL UNIT
7. DIGITAL OR KEY SWITCHES
8. SYP SOLAR PANEL
9. PSY24 BATTERY BOX
10. O-VIEW MULTIFUNCTION DISPLAY

FOR LFAB4024 MODEL:

- ACCESSORIES ALSO AVAILABLE FOR THE Solemyo Air Net System WIRELESS VERSION
- Solemyo SOLAR POWER ACCESSORIES

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

	CONTROL UNIT / RECEIVER										TRANSMITTER				PHOTOCELLS									FLASHING LIGHT			
CODE	A01 / Built-in*	A02 / Built-in*	A6F / FLOXI2R*	A700F / FLOXI2R*	A60 / OXI-SMXI*	A500 / FLOXI2R*	A924 / FLOXI2R*	MC424L / OXI	MC824H / OXI	MC824HR / OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	F210	FT210	F210B	FT210B	EL	EL24	ELB	WLT
LFAB4000			●	●	●						●	●	●	●	●	●	●				●	●			●			
LFAB4024									●		●	●	●	●				●	●	●			●				●	●

*Radio receiver incompatible with Opera system

ACCESSORIES



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 FOR MEA3.

PC/PACK 4



BMA1
ACCESSORY FOR OPENING UP TO 360° FOR GATES MAX. 3.5 m IN LENGTH.

PC/PACK 1



PLA10
VERTICAL 12 V ELECTRIC LOCK (REQUIRED FOR GATES LONGER THAN 3 m).

PC/PACK 1



PLA11
HORIZONTAL 12 V ELECTRIC LOCK (REQUIRED FOR GATES LONGER THAN 3 m).

PC/PACK 1



TS
SIGNBOARD.

PC/PACK 1

ACCESSORY

For 24 Vdc version



PS324
24 V BATTERY WITH INTEGRATED BATTERY CHARGER.

PC/PACK 1



SOLEMYO KIT
THE SOLAR POWER TO AUTOMATE GATES, GARAGE DOORS OR BARRIER GATES.
SEE PAGE 206

Nice recommends customers order products in pallets in order to facilitate storage and delivery, and ensure packs are uniform. The number of packs per single pallet has been specified for this reason. Approximate draft.

BIG-FAB

SOLEMYO | OPERA | BLUEBUS | 24V

For swing gates with leaves up to 5 m, underground installation.
Irreversible electromechanical gear motor, 24 Vdc with magnetic encoder and mechanical stop.

Chamfered foundation boxes with mechanical stop on opening:
- **in stainless steel** (BFABBOXI), ideal for use in extreme conditions,
- **with cataphoresis paint finish** (BFABBOX), highly resistant to corrosion.

Maximum freedom of choice: release from inside or outside, two key or lever operated models, freely combinable and easy to operate with just one hand.

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

Ideal for intensive use, compatible with the control unit Moonclever MC824H:
- simple programming via a single key;
- self-learning of travel limits on opening and closing;
- self-diagnostics of faults;
- programming of pause time;
- pass door;
- deceleration on opening and closing;
- dual technology obstacle detection;
- operation in the event of a power failure with optional rechargeable batteries (PS324);
- provision for connection of latest generation sensitive edges.

CODE	DESCRIPTION	PACK/PALLET
BFAB5024	IRREVERSIBLE, 24 Vdc, WITH MAGNETIC ENCODER, WITH MECHANICAL STOP ON CLOSING	18
BFABBOX	FOUNDATION BOX, WITH CATAPHORESIS PAINT FINISH, WITH BUILT-IN MECHANICAL STOP ON OPENING	18
BFABBOXI	STAINLESS STEEL FOUNDATION BOX, WITH BUILT-IN MECHANICAL STOP ON OPENING	18

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

TECHNICAL SPECIFICATIONS

CODE	BFAB5024
ELECTRICAL DATA	
POWER SUPPLY (Vdc)	24
ABSORPTION (A)	7
POWER (W)	170
PERFORMANCE DATA	
SPEED (rpm)	0.8
TORQUE (Nm)	400
WORK CYCLE (CYCLES/HOUR)**	45
DIMENSIONAL AND GENERAL DATA	
PROTECTION LEVEL (IP)	67
WORKING TEMP. (°C MIN/MAX)	-20 ÷ +50
DIMENSIONS (mm)*	400x325x152 h
WEIGHT (kg)	13.3

*With foundation box. **The indicated value has to be halved if the opening is up to 180° - by using the BMA1 accessory.

FOUNDATION BOX	BFABBOX
WEIGHT (kg)	20.3



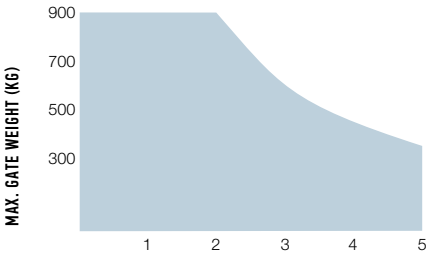
ACCESSORY FOR L-FAB

BMA2
ADAPTORS FOR A DUAL MOTOR AUTOMATION, COMPATIBLE WITH THE MAJORITY OF FOUNDATION BOXES ON THE MARKET.

PC/PACK. 4

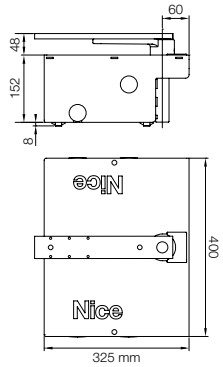


UTILISATION LIMITS

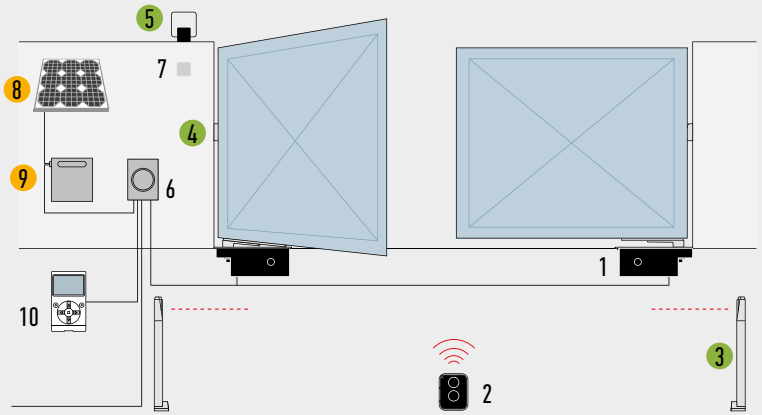


The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side. Use in windy areas 230 Vac models.

DIMENSIONS



INSTALLATION DIAGRAM



1. MOTOR
2. TRANSMITTER
3. PHOTOCELLS MOUNTED ON POSTS
4. PHOTOCELLS
5. FLASHING LIGHT
6. CONTROL UNIT
7. DIGITAL OR KEY SWITCHES
8. SYP SOLAR PANEL
9. PSY24 BATTERY BOX
10. O-VIEW MULTIFUNCTION DISPLAY

● ACCESSORIES ALSO AVAILABLE FOR THE Solemyo Air Net System WIRELESS VERSION
● Solemyo SOLAR POWER ACCESSORIES

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

	CONTROL UNIT / RECEIVER									TRANSMITTER				PHOTOCELLS									FLASHING LIGHT			
CODE	A01 / Built-in*	A02 / Built-in*	A6F / FLOXI2R*	A700F / FLOXI2R*	A60 / OXI-SMXI*	A500 / FLOXI2R*	A924 / FLOXI2R*	MC424L / OXI	MC824H / OXI	MC824HR / OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	F210	FT210	F210B	FT210B	EL	EL24	ELB	WLT
BFAB5024									●		●	●	●	●				●	●	●			●				●	●

*Radio receiver incompatible with Opera system

ACCESSORIES



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 FOR MEA3.

PC/PACK 4



BMA1
ACCESSORY FOR OPENING UP TO 360° FOR GATES MAX. 3.5 m IN LENGTH.

PC/PACK 1



PLA10
VERTICAL 12 V ELECTRIC LOCK (REQUIRED FOR GATES LONGER THAN 3 m).

PC/PACK 1



PLA11
HORIZONTAL 12 V ELECTRIC LOCK (REQUIRED FOR GATES LONGER THAN 3 m).

PC/PACK 1



TS
SIGNBOARD.

PC/PACK 1



PS324
24 V BATTERY WITH INTEGRATED BATTERY CHARGER.

PC/PACK 1



SOLEMYO KIT
THE SOLAR POWER TO AUTOMATE GATES, GARAGE DOORS OR BARRIER GATES.
SEE PAGE 206

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