

# TOONA 5 HS

NEW SOLEMYO OPERA BLUEBUS 24V

**For hi-speed automation of swing gates with leaves up to 5 m or 400 kg**, ideal for residential and industrial applications.

24 Vdc, electromechanical gear motor, surface mounted, with magnetic encoder.



**Quick manoeuvres:** 90° opening in about 16\* seconds.

**Reliable:** the magnetic encoder ensures the safeguard of set values over time and precise obstacle detection.

**Silent:** patented layout of internal parts and lead nut in bronze.

**Sturdy:** thanks to the housing, made up of two tough aluminium shells with polyester paint finish; more resistant to atmospheric agents. Internal moving parts completely in steel, light alloys and technopolymers.

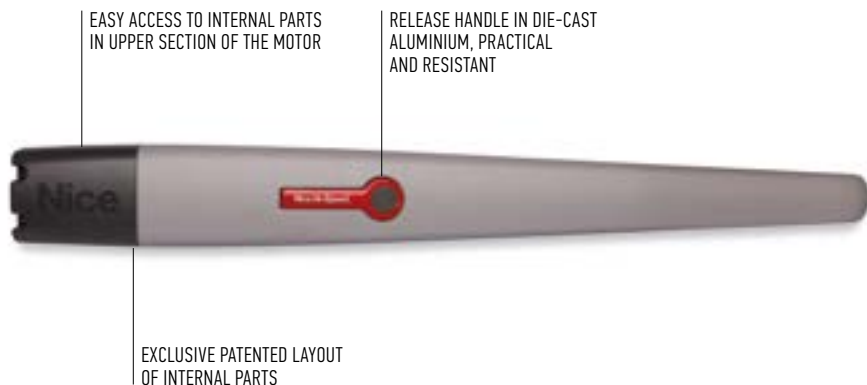
**Generously sized and practical connection compartment:** rapid and easy access from above to internal parts located in the upper section of the motor.

**Simple installation and maintenance:** with built-in capacitor.

**Moonclever control unit 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.

\* Considering standard installation, excluding acceleration and deceleration.

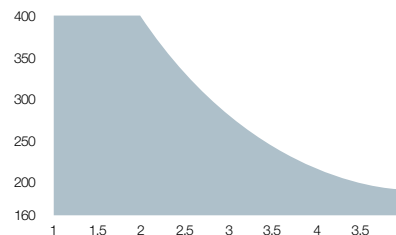


CODE	DESCRIPTION	PACK/PALLET
T05024HS	IRREVERSIBLE, 24 Vdc, FAST, WITH MAGNETIC ENCODER, MECHANICAL STOP ON OPENING AND CLOSING	20

## TECHNICAL SPECIFICATIONS

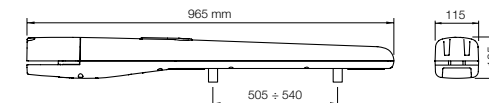
CODE	T05024HS
<b>ELECTRICAL DATA</b>	
POWER SUPPLY (Vdc)	24
ABSORPTION (A)	5
POWER (W)	120
<b>PERFORMANCE DATA</b>	
SPEED (m/s)	>> 0.025 <<
FORCE (N)	1800
WORK CYCLE (CYCLES/HOUR)	95
<b>DIMENSIONAL AND GENERAL DATA</b>	
PROTECTION LEVEL (IP)	44
WORKING TEMP. (°C MIN/MAX)	-20 ÷ +50
DIMENSIONS (mm)	965x115x105 h
WEIGHT (kg)	7.5

## UTILISATION LIMITS



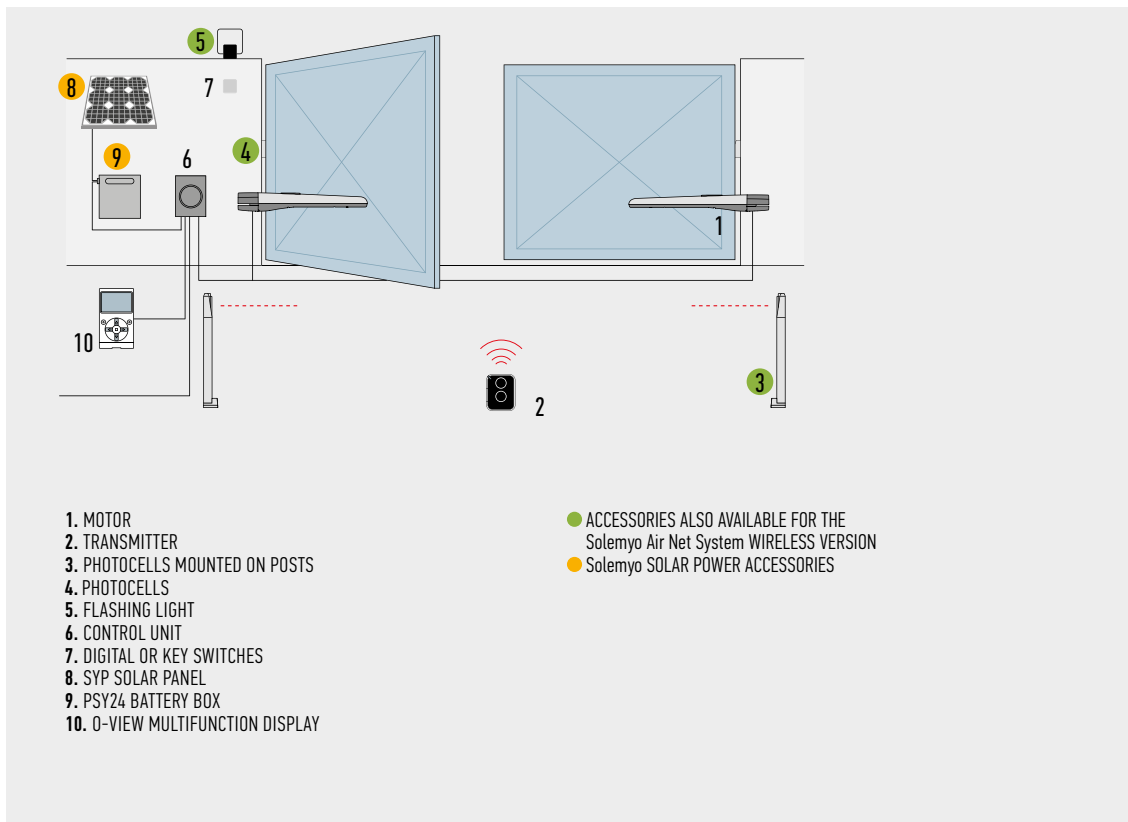
The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side. Use in windy areas 230 Vac models.

## DIMENSIONS



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.

## INSTALLATION DIAGRAM



## COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

CODE	CONTROL UNIT / RECEIVER								TRANSMITTER				PHOTOCELLS								FLASHING LIGHT						
	A01 / Built-in*	A02 / Built-in*	A6F / FLOX12R*	A700F / FLOX12R*	A60 / OXI-SMX1*	A500 / FLOX12R*	A924 / FLOX12R*	MC424L / OXI	MC824H / OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EP5B	EPMB	EPLB	F210	FT210	F210B	FT210B	EL	EL24	ELB	WLT
T05024HS								●	●	●	●	●															

\*Radio receiver incompatible with Opera system

## ACCESSORIES

Total interchangeability with the series Moby: identical positions and fixing brackets



**PLA6**  
 REAR BRACKET  
 250 mm LONG.  
 PC/PACK 1

**PLA8**  
 SCREW-ADJUSTABLE  
 FRONT BRACKET.  
 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

### ACCESSORY

For 24 Vdc version



**TS**  
 SIGNBOARD.  
 PC/PACK 1



**PS324**  
 24 V BATTERY  
 WITH INTEGRATED  
 BATTERY CHARGER.  
 PC/PACK 1



**KIT SOLEMYO**  
 THE SOLAR POWER TO  
 AUTOMATE GATES, GARAGE  
 DOORS OR BARRIER GATES.  
 SEE PAGE 200

FOR SWING GATES  
 SERIE HI-SPEED

FOR SLIDING GATES

BARRIER GATE  
 OPERATOR SYSTEMS

FOR GARAGE  
 AND INDUSTRIAL DOORS

CONTROL SYSTEMS  
 AND ACCESSORIES

COMPATIBILITY TABLE  
 AND ALPHABETICAL INDEX

# TOONA 6 HS

NEW SOLEMYO OPERA BLUEBUS 24V

**For hi-speed automation of swing gates with leaves up to 6 m or 1450 kg.**

24 Vdc electromechanical gear motor, surface mounted, with magnetic encoder.

**The most powerful:**

ideal for industrial applications, designed for intensive use.

**Quick manoeuvres: 90° opening in about 30\* seconds.**

**Reliable:** the magnetic encoder ensures the safeguard of set values over time and precise obstacle detection.

**Silent:** patented layout of internal parts and lead nut in bronze.

**Sturdy:** thanks to the housing, made up of two tough aluminium shells with polyester paint finish; more resistant to atmospheric agents.

Internal moving parts completely in steel, light alloys and technopolymers.

**Generously sized and practical connection compartment:**

rapid and easy access from above to internal parts located in the upper section of the motor.

**Simple installation and maintenance:**

with built-in capacitor.

**Moonclever control unit MC824H:**

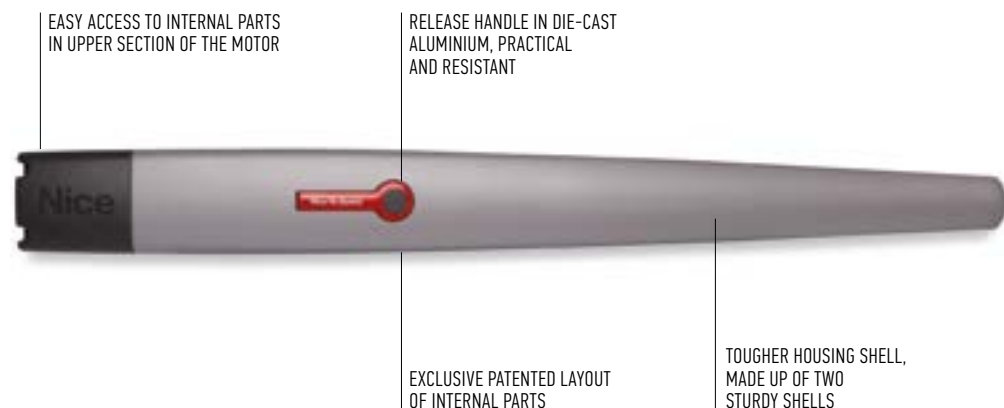
- simple programming, by means of a single key;
- automatic memorization of limit switches on opening and closing with self-learning function;
- automatic fault diagnostics;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;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

\* Considering standard installation, excluding acceleration and deceleration.

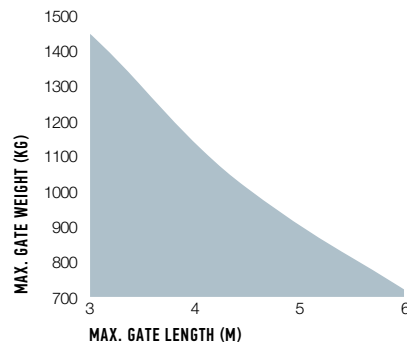
CODE	DESCRIPTION	PACK/PALLET
TO6024HS	IRREVERSIBLE, 24 Vdc, FAST, WITH MAGNETIC ENCODER, MECHANICAL STOP ON OPENING AND CLOSING	20

**TECHNICAL SPECIFICATIONS**

CODE	TO6024HS
<b>ELECTRICAL DATA</b>	
POWER SUPPLY (Vdc)	24
ABSORPTION (A)	5
POWER (W)	120
<b>PERFORMANCE DATA</b>	
SPEED (m/s)	>> 0.016 <<
FORCE (N)	2200
WORK CYCLE (CYCLES/HOUR)	41
<b>DIMENSIONAL AND GENERAL DATA</b>	
PROTECTION LEVEL (IP)	44
WORKING TEMP. (°C MIN/MAX)	-20 ÷ +50
DIMENSIONS (mm)	1200x128x150 h
WEIGHT (kg)	15

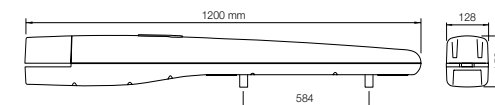


**UTILISATION LIMITS**

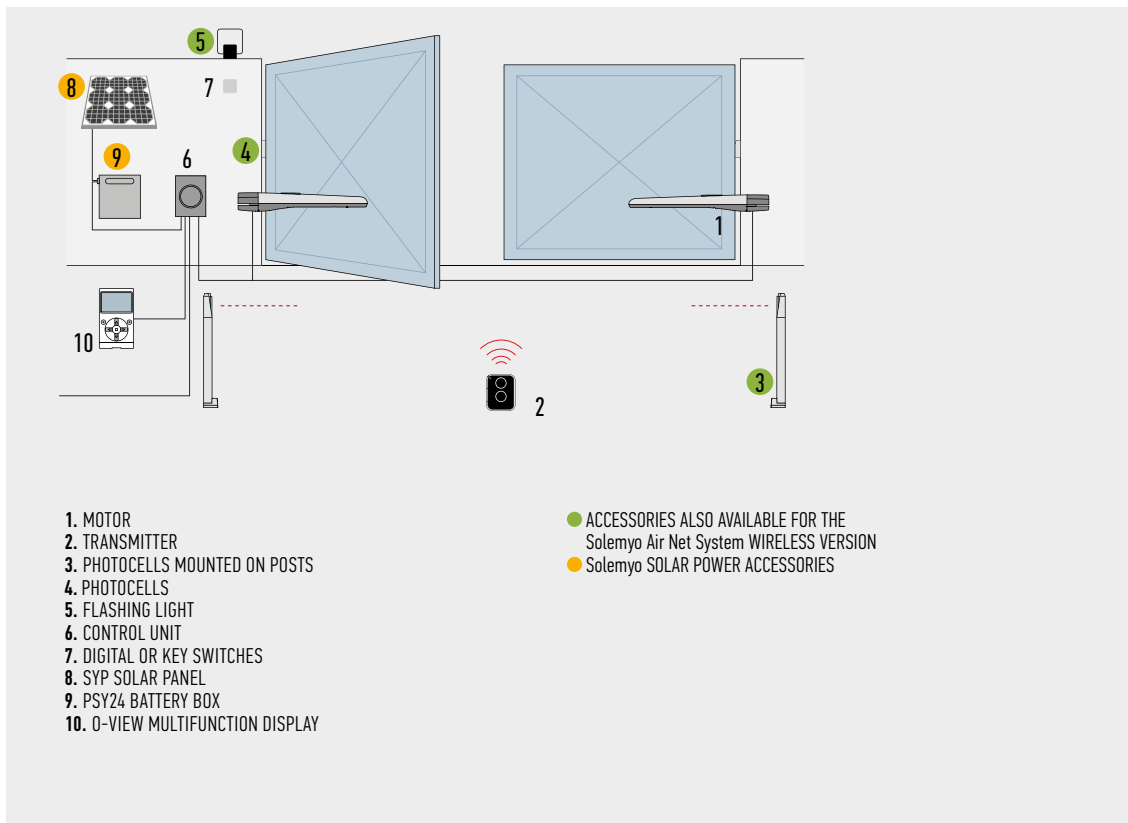


The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side. Use in windy areas 230 Vac models.

**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

CODE	CONTROL UNIT / RECEIVER							TRANSMITTER				PHOTOCELLS							FLASHING LIGHT								
	A01 / Built-in*	A02 / Built-in*	A6F / FLOX12R*	A700F / FLOX12R*	A60 / OXI-SMX1*	A500 / FLOX12R*	A924 / FLOX12R*	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
<b>TO6024HS</b>								●	●	●	●	●	●				●	●	●			●				●	●

\*Radio receiver incompatible with Opera system

## ACCESSORIES



**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



**KIT SOLEMYO**  
THE SOLAR POWER TO AUTOMATE GATES, GARAGE DOORS OR BARRIER GATES. SEE PAGE 200

# WINGO 3524 HS

NEW SOLEMYO OPERA BLUEBUS 24V

**For hi-speed automation of swing gates with leaves up to 3 m or 200 kg, ideal for residential applications.**

24 Vdc electromechanical gear motor, surface mounted, with magnetic encoder.



**Quick manoeuvres:** 90° opening in about 10\* seconds.

**Reliable:** the magnetic encoder ensures the safeguard of set values over time and precise obstacle detection.

**Silent:** patented layout of internal parts, fewer moving parts.

**Easy to install:** after the gear motor has been assembled, all electrical connections are made from above.

**Pre-assembled travel stops** on opening.

## Moonclever control unit MC824H:

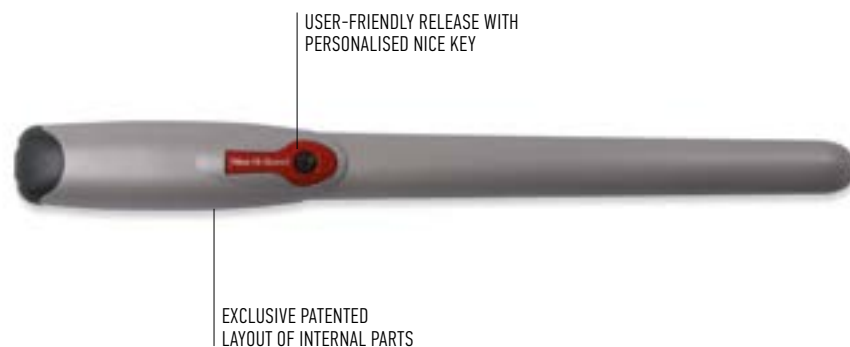
- simple programming, by means of a single key;
- automatic memorization of limit switches on opening and closing with self-learning function;
- automatic fault diagnostics;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;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

\* Considering standard installation, excluding acceleration and deceleration.

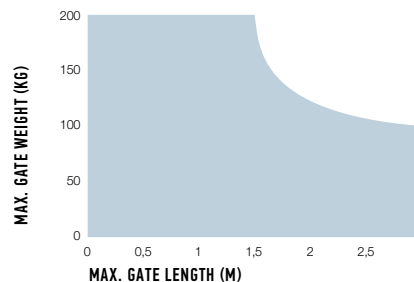
CODE	DESCRIPTION	PACK/PALLET
WG3524HS	IRREVERSIBLE, 24 Vdc, FAST, WITH MAGNETIC ENCODER, MECHANICAL STOP ON OPENING AND CLOSING	20

## TECHNICAL SPECIFICATIONS

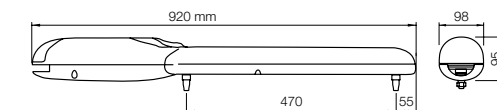
CODE	WG3524HS
<b>ELECTRICAL DATA</b>	
POWER SUPPLY (Vdc)	24
ABSORPTION (A)	5
POWER (W)	120
<b>PERFORMANCE DATA</b>	
SPEED (m/s)	>> 0.04 <<
FORCE (N)	1500
WORK CYCLE (CYCLES/HOUR)	30
<b>DIMENSIONAL AND GENERAL DATA</b>	
PROTECTION LEVEL (IP)	44
WORKING TEMP. (°C MIN/MAX)	-20 ÷ +50
DIMENSIONS (mm)	920x98x95 h
WEIGHT (kg)	6



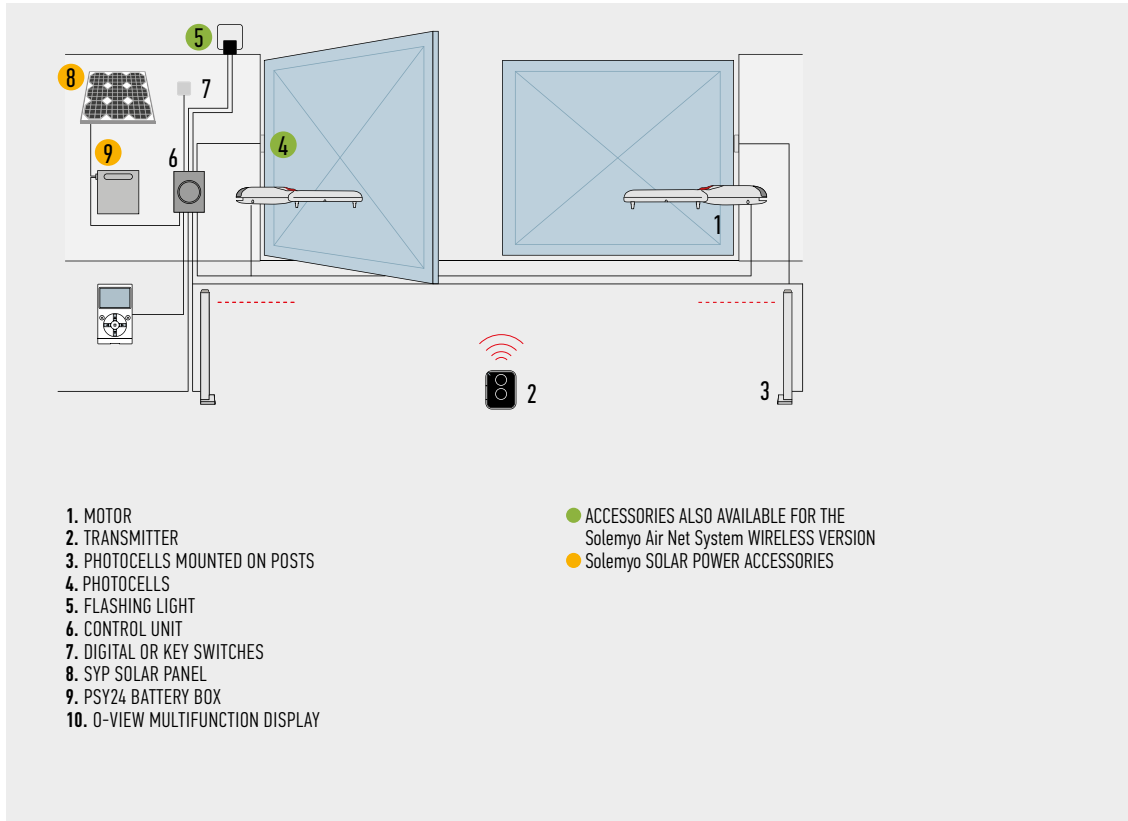
## UTILISATION LIMITS



## DIMENSIONS



## INSTALLATION DIAGRAM



## COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

CODE	CONTROL UNIT / RECEIVER							TRANSMITTER				PHOTOCELLS							FLASHING LIGHT								
	A01 / Built-in*	A02 / Built-in*	A6F / FLOX12R*	A700F / FLOX12R*	A60 / OXI-SMX1*	A500 / FLOX12R*	A924 / FLOX12R*	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
WG3524HS								●		●	●	●	●				●	●	●			●				●	●

\*Radio receiver incompatible with Opera system

## ACCESSORIES



**PS324**  
24 V BATTERY WITH INTEGRATED BATTERY CHARGER.  
ONLY FOR TN2010L.  
PC/PACK 1



**PLA14**  
SCREW-ADJUSTABLE REAR BRACKET.  
PC/PACK 2



**PLA15**  
SCREW-ADJUSTABLE FRONT BRACKET.  
PC/PACK 2



**PLA10**  
VERTICAL 12 V ELECTRIC LOCK.  
PC/PACK 1



**PLA11**  
HORIZONTAL 12 V ELECTRIC LOCK.  
PC/PACK 1



**KIT SOLEMYO**  
THE SOLAR POWER TO AUTOMATE GATES, GARAGE DOORS OR BARRIER GATES.  
SEE PAGE 200

# HYKE HS

NEW SOLEMYO OPERA 24V

**For hi-speed automation of swing gates with leaves up to 3 m or 270 kg**, ideal for residential applications even with large columns. 24 Vdc electromechanical gear motor with articulated arm, surface mounted, with magnetic encoder.

**Ideal for intensive use and quick manoeuvres: 90° opening in about 10\* seconds.**

**Ultra-powerful and reliable:** thanks to the torque of 500 Nm and encoder technology, for millimetric precision and reliability.

**Safe movement** with dual technology obstacle detection.

## Sturdy

thanks to the housing in aluminium with polyester paint finish, resistant to atmospheric agents.

**Two irreversible 24 Vdc versions** with limit switches on opening and closing: with built-in control unit (HK7024) and without control unit (HK7224).

**Practical and quick installation:** the articulated arm is adjustable in length for maximum flexibility.

**Simple and precise limit switch adjustment:** mechanical stops and micrometric adjustment screws.

**No black out:** with the optional batteries (PS124) housed inside the gear motor.

## Built-in control unit (HK7024):

- simple programming via a single key;
- self-learning of opening and closing limit positions;
- automatic fault diagnostics;
- pause time programming;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;
- provision for connection of latest generation sensitive edges.



Adjustable anti-crushing arm

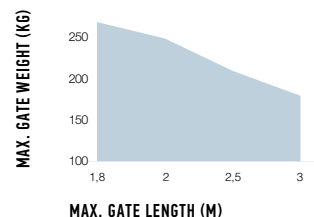
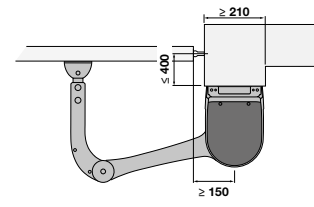


CODE	DESCRIPTION	PACK/PALLET
HK7024HS	IRREVERSIBLE 24 Vdc, FAST, WITH MAGNETIC ENCODER, COMPLETE WITH ARTICULATED ARM AND BUILT-IN CONTROL UNIT	12
HK7224HS	IRREVERSIBLE 24 Vdc, FAST, COMPLETE WITH ARTICULATED ARM WITHOUT CONTROL UNIT	12

## TECHNICAL SPECIFICATIONS

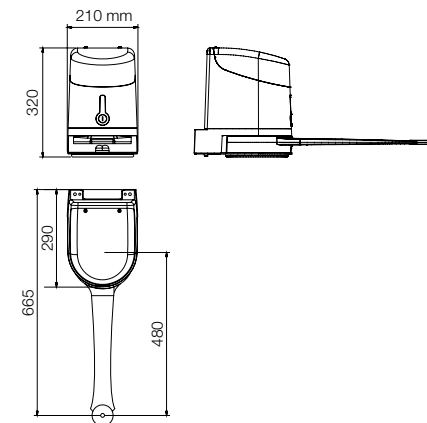
CODE	HK7024HS	HK7224HS
<b>ELECTRICAL DATA</b>		
POWER SUPPLY (Vac 50/60HZ)	230	-
POWER SUPPLY (Vdc)	-	24
ABSORPTION (A)	1.5	6
POWER (W)	300	140
<b>PERFORMANCE DATA</b>		
SPEED (rpm)	>> 2 <<	
TORQUE (Nm)	500	
WORK CYCLE (CYCLES/HOUR)	40	
<b>DIMENSIONAL AND GENERAL DATA</b>		
PROTECTION LEVEL (IP)	54	
WORKING TEMP. (°C MIN/MAX)	-20 ÷ +50	
DIMENSIONS (mm)	290x210x320 h	
WEIGHT (kg)	10.5	9.5

## UTILISATION LIMITS

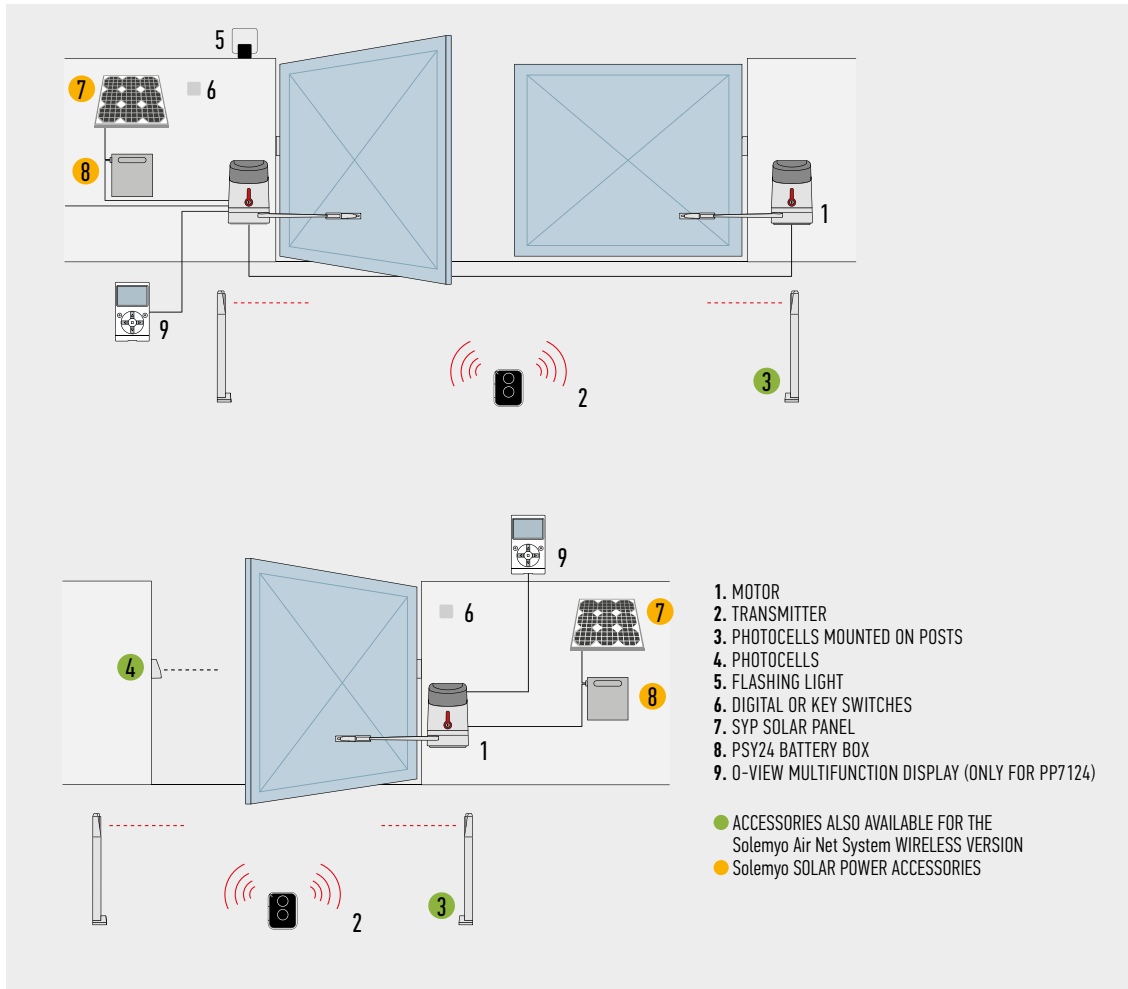


The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side.

## DIMENSIONS



## INSTALLATION DIAGRAM



## COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

CODE	RECEIVER		TRANSMITTER				PHOTOCELLS								FLASHING LIGHT						
	Built-in*	FLOXIZR*	OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	F210	FT210	F210B	FT210B	EL	EL24	ELB	WLT
HK7024HS			●	●	●	●	●				●	●	●			●				●	●

\*Radio receiver incompatible with Opera system

## ACCESSORIES



**HKA2**  
SPARE CONTROL UNIT FOR HK7024HS.



**PS124**  
24 V BATTERY WITH INTEGRATED BATTERY CHARGER.  
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



**KIO**  
KEY-OPERATED SELECTOR SWITCH FOR LOW VOLTAGE CONTACTS, WITH RELEASE MECHANISM FOR METAL CORD.  
PC/PACK 1



**KA1**  
6 m CABLE RELEASE KIT FOR KIO.  
PC/PACK 1



**TS**  
SIGNBOARD.  
PC/PACK 1



**KIT SOLEMYO**  
THE SOLAR POWER TO AUTOMATE GATES, GARAGE DOORS OR BARRIER GATES. SEE PAGE 200

FOR SWING GATES  
SERIE HI-SPEED

FOR SLIDING GATES

BARRIER GATE  
OPERATOR SYSTEMS

FOR GARAGE  
AND INDUSTRIAL DOORS

CONTROL SYSTEMS  
AND ACCESSORIES

COMPATIBILITY TABLE  
AND ALPHABETICAL INDEX



# M-FAB HS

NEW SOLEMYO OPERA BLUEBUS 24V

For hi-speed automation of swing gates with leaves up to 3 m or 300 kg, underground installation, ideal for residential applications. 24 Vdc electromechanical gear motor, with magnetic encoder.

**Ideal for intensive use and quick manoeuvres: 90° opening in about 8 seconds.**

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

- in stainless steel (XFABBOXI), 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.

**Moonclever MC824H control unit:**

- 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.

EVEN MORE RELIABLE AND RESISTENT



WATERPROOF, WITH IP67 PROTECTION RATING

EXTERNALLY CHAMFERED FAB BOX

CODE	DESCRIPTION	PACK/PALLET
MFAB3024HS	IRREVERSIBLE 24 Vdc, FAST, WITH MAGNETIC ENCODER, COMPLETE WITH CONNECTING LEVER AND MECHANICAL STOP FOR THE CLOSING MANOEUVRE	18

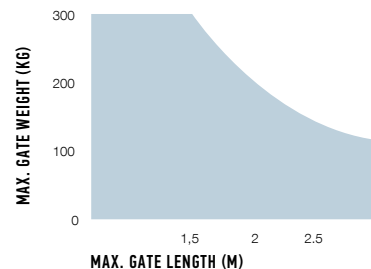
CODE	DESCRIPTION	PACK/PALLET
XFABBOXI	EXTERNALLY CHAMFERED FOUNDATION BOX IN STAINLESS STEEL WITH MECHANICAL STOP ON OPENING	20
MFABBOX	EXTERNALLY CHAMFERED FOUNDATION BOX WITH CATAPHORESIS FINISH WITH MECHANICAL STOP ON OPENING	20

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

## TECHNICAL SPECIFICATIONS

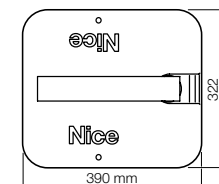
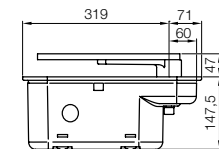
CODE	MFAB3024HS
<b>ELECTRICAL DATA</b>	
POWER SUPPLY (Vdc)	24
ABSORPTION (A)	6
POWER (W)	170
<b>PERFORMANCE DATA</b>	
SPEED (rpm)	>> 2.6 <<
TORQUE (Nm)	180
WORK CYCLE (CYCLES/HOUR)	80
<b>DIMENSIONAL AND GENERAL DATA</b>	
PROTECTION LEVEL (IP)	67
WORKING TEMP. (°C MIN/MAX)	-20 ÷ +50
DIMENSIONS (mm)	390x322x194 h
WEIGHT (kg)	11

## UTILISATION LIMITS

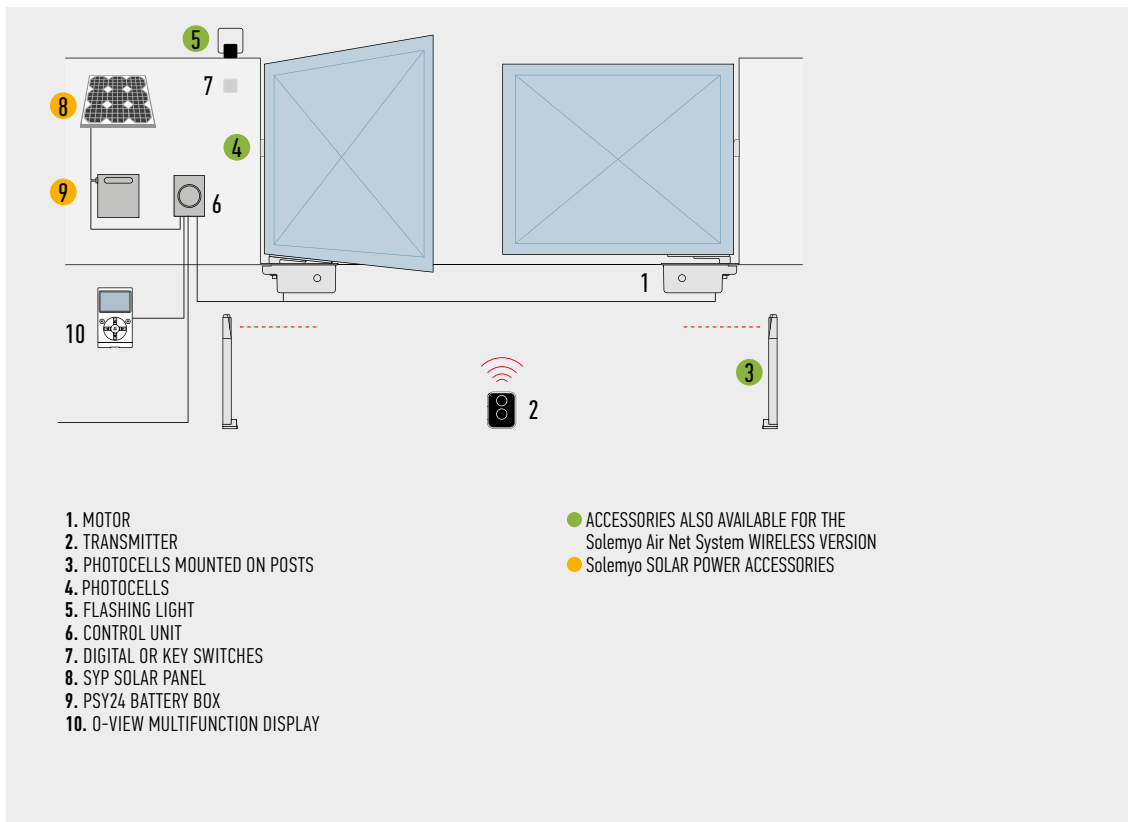


The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side.

## DIMENSIONS



## INSTALLATION DIAGRAM



## COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

CODE	CONTROL UNIT / RECEIVER						TRANSMITTER				PHOTOCELLS							FLASHING LIGHT									
	A01 / Built-in*	A02 / Built-in*	A6F / FLOX12R*	A700F / FLOX12R*	A60 / OX1-SMX1*	A500 / FLOX12R*	A924 / FLOX12R*	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
MFAB3024HS								●		●	●	●	●				●	●	●			●			●	●	●

\*Radio receiver incompatible with Opera system

## ACCESSORIES

**ME2**  
KEY UNLOCK SYSTEM.  
PC/PACK 1

**ME3**  
LEVER-TYPE KEY UNLOCK SYSTEM TO USE WHEN SYSTEM IS INSTALLED ON SURFACES SUCH AS SAND OR EARTH.  
PC/PACK 1

**ME5**  
LEVER-TYPE UNLOCK KEY FOR MEA3.  
PC/PACK 4

**ME6**  
LIMIT SWITCH BRACKET, FOR INSTALLATIONS WHERE BOX EMBEDDING IN CONCRETE IS NOT POSSIBLE.  
PC/PACK 1

**ME1**  
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

**KIT SOLEMYO**  
THE SOLAR POWER TO AUTOMATE GATES, GARAGE DOORS OR BARRIER GATES. SEE PAGE 200

FOR SWING GATES SERIE HI-SPEED  
 FOR SLIDING GATES  
 BARRIER GATE OPERATOR SYSTEMS  
 FOR GARAGE AND INDUSTRIAL DOORS  
 CONTROL SYSTEMS AND ACCESSORIES  
 COMPATIBILITY TABLE AND ALPHABETICAL INDEX

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.