Nice

| BiDi | Yubii | SOLEMYO | OPERA | BLUEBUS | 24V |

Toona HS

For rapid operation of swing gates with leafs of up to 5 m or 400 kg (TO5024HS) **and up to 6 m or 1450 Kg** (TO6024HS)

Ideal for residential and industrial applications.

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

⚡ **Quick manoeuvres**: 90° opening in about 16* seconds with TO5024HS and about 30* seconds with TO6024HS.

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.

Wholly compatible with the Moby series: same dimensions and fixing brackets.

Moonclever MC824H control unit:

- 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);
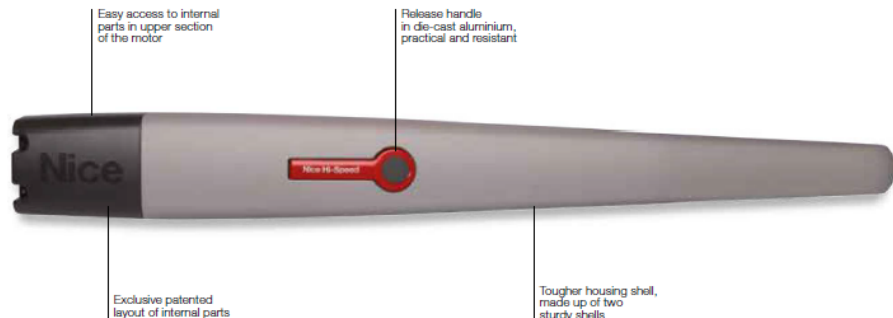- provision for connection of latest generation resistive sensitive edges.

* Considering standard installation, excluding acceleration and deceleration.

Easy access to internal parts in upper section of the motor

Release handle in die-cast aluminium, practical and resistant

Exclusive patented layout of internal parts

Tougher housing shell, made up of two sturdy shells

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.

For swing gates Hi-Speed series

For sliding gates

Barrier gate operator systems

For garage and industrial doors

Control systems and accessories

Compatibility table and alphabetical index

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 smartphone (*).

Pc./Pack 1

PS324
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

TS
Signboard.

Pc./Pack 1

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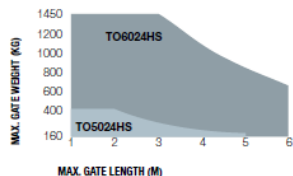
See page 229.

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
TO5024HS	Irreversible, 24 Vdc, fast, with magnetic encoder, mechanical stop on opening and closing	20
TO6024HS	Irreversible, 24 Vdc, fast, with magnetic encoder, mechanical stop on opening and closing	20

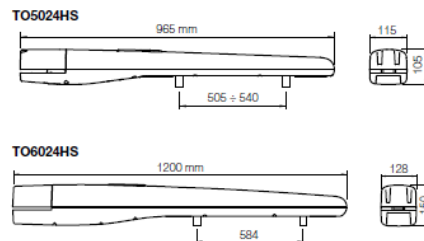| Code	TO5024HS	TO6024HS
ELECTRICAL DATA		
Power supply (Vdc)	24	
Absorption (A)	5	
Power (W)	120	
PERFORMANCE DATA		
Speed (m/s)	>> 0,025 <<	>> 0,016 <<
Force (N)	1800	2200
Work cycle (cycles/hour)	95	41
DIMENSIONAL AND GENERAL DATA		
Protection level (IP)	44	
Working temp. (°C Min/Max)	-20 ÷ +50	
Dimensions (mm)	965x115x105 h	1200x128x150 h
Weight (kg)	7,5	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

TO5024HS

TO6024HS

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

Code	control unit/receiver							transmitter						photocells										flashing light			
	MC200 / Built-in*	MC200 / OXIBD / OXILR	DPRO500 / OXIBD / OXILR	DPRO24 / OXIBD / OXILR	MC424L / Built-in* / OXIBD / OXILR	MC824H / OXIBD / OXILR	MC824HR / OXIBD / OXILR	EBA INTI	EBA ONE	EBA ONE BD	EBA ONELR	EBA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
TO5024HS				•		•		•	•	•	•	•	•				•	•	•	•			•			•	•
TO6024HS					•		•	•	•	•	•	•	•				•	•	•	•		•				•	•

* Radio receiver incompatible with Opera system

* Not compatible with the Solemyo kit and PS324