KING EVO

IRREVERSIBLE OPERATOR FOR SWING GATES





- KING EVO operators are available in various versions, for easy and functional use anywhere, from detached dwellings or apartment blocks to large company premises.
- It is made and designed to operate silently and to provide long-term durability. The mechanics, with components lubricated using special synthetic grease, with the Ø20 mm large 4-thread endless screw with a **double helical gear**, **impact-proof**, have been designed to guarantee maximum silence, strength and reliability. Thanks to these special characteristics, KING EVO units can even be fitted on gates of big size.
- KING EVO 24V, with the optional buffer batteries, means that black-outs will pass totally unnoticed. It is possible to do up to **40 cycles** during the black out period. KING EVO 24V can also **work without batteries**.
- Thanks to its oversized mechanics and its 24 V motor, it is ideal for using on gates that undergo heavy duty usage (opening/closing frequently) such as apartment buildings.
- All the versions come with a mechanical limit switch for opening supplied as standard.

FOR SWING GATES WITH EACH LEAF UP TO 4 m LONG AND WEIGHING UP TO 400 Kg

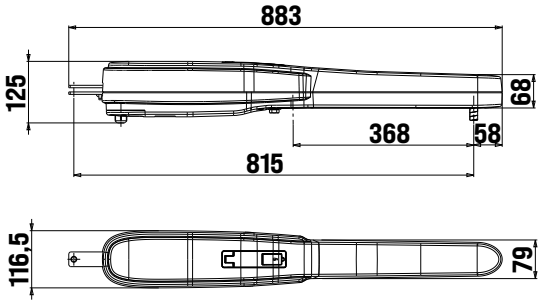
AA14050	KING EVO
AA14060	KING EVO ICE with temperature sensor
AA14090	KING EVO 24V with 24V motor for intensive use

AD14050B	KIT KING EVO
AD14094	KIT KING EVO 24V with B2 24V-CRX (with adjustable impact sensor)

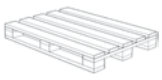
In case the leaf is longer than 2,5 meters an electric lock must be fitted to ensure efficient closing.

ICE is suitable to work at temperatures as low as -30 °C only if it is connected to the B2 control panel. Only a single KING EVO ICE is necessary for every pair of motors installed.

GAR0026	Warranty extension 4 years for KING EVO
GAR0027	Warranty extension 7 years for KING EVO



Dimensions in mm

36 x 

TECHNICAL DATA		KING EVO	KING EVO ICE	KING EVO 24V
Max. leaf lenght	m	4		
Max. leaf weight	Kg	400		
Max. stroke	mm	368*		
Average opening time 90°	s	20÷25		16÷21
Max thrust	N	2.570		1.150
Power supply	V	230		24
Current draw	A	1,13		2,8
Actuator weight	Kg	12,5		11,5
Protection grade	IP	44		
Operating temperature	°C	-10 ÷ +55	-30 ÷ +55	-10 ÷ +55
Daily cycles suggested		150		
Service	%	60		90
Nr of consecutive cycles guar.		30/19s		150/16s

* With incorporated mechanical stopper for opening phase. If the mechanical stopper is used during closing (optional - code ACG4810), the maximum travel is reduced by 40 mm.



ABB2050 B2-CRX
pc board (for 1 or 2 KING EVO) with thrust regulator and radio receiver 433 MHz. With box IP 55.
See pages 163 and 173



ABB2070 B2 24V-CRX
pc board (for 1 or 2 KING EVO 24V) with adjustable impact sensor and radio receiver 433 MHz. With box IP 55.
See pages 163 and 173



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ACG4773 BATTERIES CHARGER
for B2 24V - It manages 2 batteries ACG9515 (or up to 12 Ah each) and can be connected to Smartsolar charge controller MPPT 100 | 20 with a 24V 400W solar panel and 2 100Ah 12,8V LiFePO4 batteries



ACG9515 BATTERY
2,2 Ah 12 Vdc (order 2 pieces for each ACG4773)



ACG4810 STOPPER
mechanical stopper for closing position (to be used when ground stopper not available)



ACG8093 COVER WITH REVOLVING CABLE GLAND DEVICE IP 54 for Ø20 flexible conduits for electric cable (KING EVO standard has cover with cable gland)



Adjustable column bracket

supplied with the operator



Leaf bracket

supplied with the operator



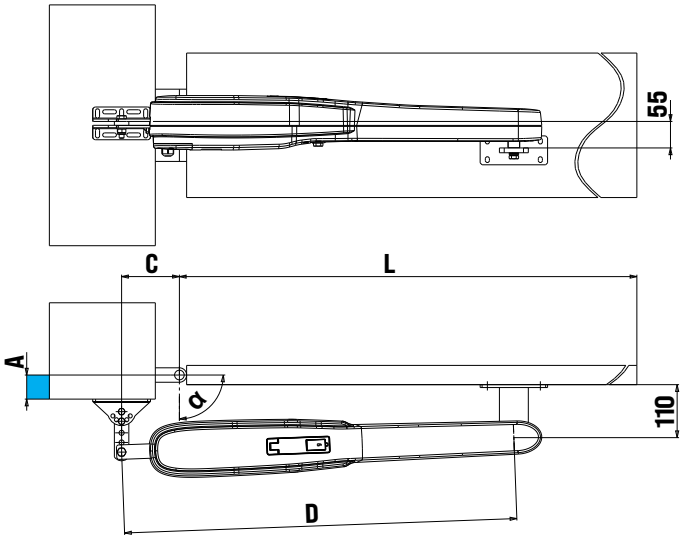
KING EVO / KING - Leaf bracket adapter

supplied with the operator



ATI/AXI/AXO CAME Column bracket Adapter

supplied with the operator



A max	α max	C	D	T max s
0÷20	110°	120	815	24
20÷40				26
40÷60				27
60÷100	105°			29
100÷120				30
120÷140	100°			31

Data about KING EVO installation with 1 mechanical stopper
T = Opening time detected with active slow down

Compatible with CAME ATI 3000 and AXO 3000/4000 brackets (with standard ATI/AXI/AXO CAME adapter)
Compatible with column bracket of CAME AXI 2000 and 2500 (use KING EVO leaf bracket)
Compatible with column bracket of NICE TOONA 4 (use KING EVO leaf bracket)



KIT KING EVO

See page 132

starting from

KING EVO L

IRREVERSIBLE OPERATOR FOR SWING GATES





- KING EVO L operators are available in various versions, for easy and functional use anywhere, from detached dwellings or apartment blocks to large company premises.
- It is made and designed to operate silently and to provide long-term durability. The mechanics, with components lubricated using special synthetic grease, with the 20 mm large 4-thread endless screw with a **double helical gear, impact-proof**, have been designed to guarantee maximum silence, strength and reliability. Thanks to these special characteristics, KING EVO L units can even be fitted on gates of big size.
- KING EVO L 24V, with the optional buffer batteries, means that black-outs will pass totally unnoticed. It is possible to do up to **40 cycles** during the black out period.
- KING EVO L 24V can also **work without batteries**. Thanks to its oversized mechanics and its 24 V motor, it is ideal for using on gates that undergo heavy duty usage (opening/closing frequently) such as apartment buildings.
- All the versions come with a mechanical limit switch for opening supplied as standard.

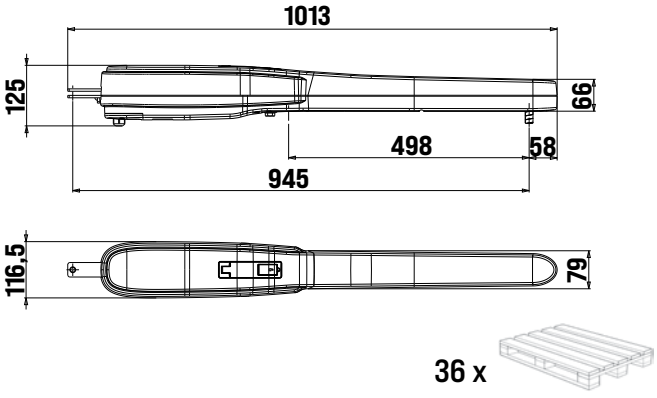
	FOR SWING GATES WITH EACH LEAF UP TO 5 m LONG AND WEIGHING UP TO 500 Kg
AA14070	KING EVO L
AA14075	KING EVO L ICE with temperature sensor
AA14092	KING EVO L 24V for intensive use

	FOR SWING GATES WITH EACH LEAF UP TO 7 m LONG AND WEIGHING UP TO 700 Kg
NEW AA14070S	KING EVO L SUPER

GAR0028	Warranty extension 4 years for KING EVO L
GAR0029	Warranty extension 7 years for KING EVO L

In case the leaf is longer than 2,5 meters an electric lock must be fitted to ensure efficient closing.

ICE is suitable to work at temperatures as low as -30°C only if it is connected to the B2 control panel. Only a single KING EVO L ICE is necessary for every pair of motors installed.



Dimensions in mm

TECHNICAL DATA		KING EVO L	KING EVO L ICE	KING EVO L 24V	KING EVO L SUPER
Max. leaf lenght	m	5			7
Max. leaf weight	Kg	500			700
Max. stroke	mm	498*			
Average opening time 90°	s	26÷33		24÷29	26÷33
Max thrust	N	2.570		1.150	3.950
Power supply	V	230		24	230
Current draw	A	1,13		2,8	1,28
Actuator weight	Kg	13,3		12,3	13,3
Protection grade	IP	44			
Operating temperature	°C	-10 ÷ +55	-30 ÷ +55	-10 ÷ +55	
Daily cycles suggested		150			
Service	%	60		90	60
Nr of consecutive cycles guar.		20/26s		100/24s	18/26s

* With incorporated mechanical stopper for opening phase. If the mechanical stopper is used during closing (optional - code ACG4810), the maximum travel is reduced by 40 mm.

ACCESSORIES FOR KING EVO L



ABB2050 B2-CRX
pc board (for 1 or 2 KING EVO L) with thrust regulator and radio receiver 433 MHz. With box IP 55.
See pages 163 and 173



ABB2070 B2 24V-CRX
pc board (for 1 or 2 KING EVO L 24V) with adjustable impact sensor and radio receiver 433 MHz. With box IP 55.
See pages 163 and 173



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ACG4773 BATTERIES CHARGER for B2 24V - It manages 2 batteries ACG9515 (or up to 12 Ah each) and can be connected to Smartsolar charge controller MPPT 100 | 20 with a 24V 400W solar panel and 2 100Ah 12,8V LiFePO4 batteries





ACG9515 BATTERY
2,2 Ah 12 Vdc (order 2 pieces for each ACG4773)



ACG8093 COVER WITH REVOLVING CABLE GLAND DEVICE IP 54 for Ø20 flexible conduits for electric cable (KING EVO L standard has cover with cable gland)



ACG4810 STOPPER
mechanical stopper for closing position (to be used when ground stopper not available)



Column bracket

supplied with the operator



Leaf bracket

supplied with the operator



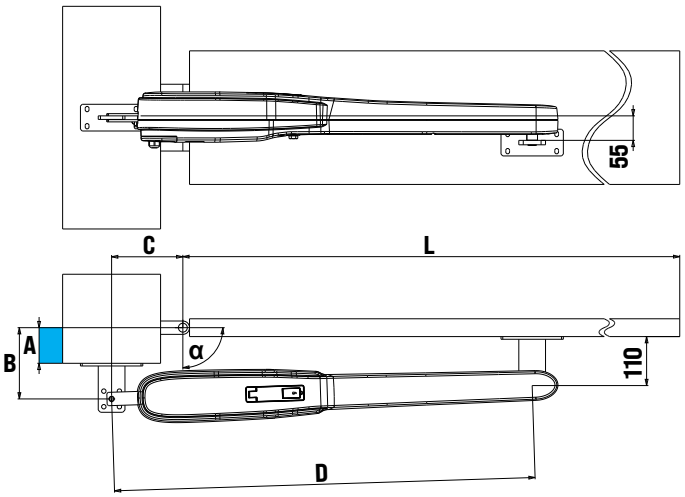
KING EVO L / KING L - Leaf bracket adapter

supplied with the operator



ATI/AXI/AXO CAME Column bracket Adapter

supplied with the operator



A max	α max	B	C	D	T max sec
0	140°	120	240	945	38
0÷100	115°	170	160		33
100÷140	110°	200			35
140÷180	105°	250			38

Data about KING EVO L installation with 1 mechanical stopper
T = Opening time detected with active slow down

Compatible with CAME ATI 5000 brackets (with standard ATI/AXI/AXO CAME adapter)
Compatible with column bracket of NICE TOONA 5 (use KING EVO L leaf bracket)



SET KING EVO L

See page 132

starting from