

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

Ø20mm 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

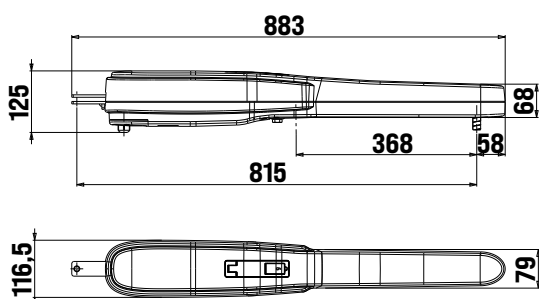


AD14050B	KIT KING EVO
AD14094	KIT KING EVO 24V with B2 24V-CRX (with adjustable impact sensor)

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 length	m	4		
Max. leaf weight	kg	400		
Max. stroke	mm	368*		
Average opening time 90°	s	20÷25		16÷21
Max thrust	N	2570		1150
Power supply	V	230		24
Power absorbed	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.

ACCESSORIES FOR KING EVO



ABB2050 B2-CRX
pc board (for 1 or 2 KING EVO)
with thrust regulator and radio
receiver 433MHz. With box IP55.
See pages 133 and 143



ABB2070 B2 24V-CRX
pc board (for 1 or 2 KING EVO 24V)
with adjustable impact sensor
and radio receiver 433MHz.
With box IP55.
See pages 133 and 143



ACG4773 BATTERIES CHARGER
for B2 24V - It manages 2
batteries ACG9515 (or up to 12 Ah
each) and can be connected to
STECA SOLSUM 10.10F solar charge
controller with 1 solar panel of 24V
100 W (or 2 by 12V 50 W connected
in series)



ACG9515 BATTERY
2,2Ah 12V (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 IP54** for Ø20
flexible conduits for electric cable
(KING EVO standard has cover with
cable gland)



Adjustable column bracket

standard with the operator



Leaf bracket

standard with the operator



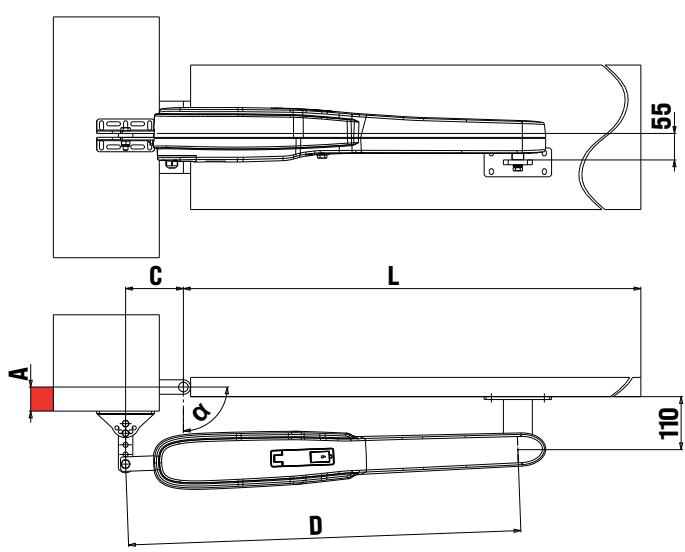
**KING EVO / KING - Leaf bracket
adapter**

standard with the operator



**ATI/AXI/AXO CAME Column
bracket Adapter**

standard with the operator



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

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 108

starting from

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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 20mm 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.

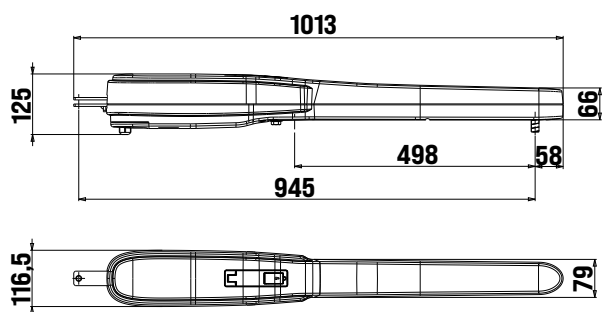
FOR SWING GATES WITH EACH LEAF UP TO 5 m LONG AND WEIGHING UP TO 500 kg

AA14070	KING EVO L
AA14075	KING EVO L ICE with temperature sensor
AA14092	KING EVO L 24V for intensive use

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.

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



Dimensions in mm

36 x



TECHNICAL DATA		KING EVO L	KING EVO L ICE	KING EVO L 24V
Max. leaf length	m		5	
Max. leaf weight	kg		500	
Max. stroke	mm		498*	
Average opening time 90°	s	26÷33		24÷29
Max thrust	N	2570		1150
Power supply	V	230		24
Power absorbed	A	1,13		2,8
Actuator weight	kg	13,3		12,3
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.		20/26s		100/24s

* 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 433MHz. With box IP55. See pages 133 and 143



ABB2070 B2 24V-CRX
pc board (for 1 or 2 KING EVO L 24V) with adjustable impact sensor and radio receiver 433MHz. With box IP55. See pages 133 and 143



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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 STECA SOLSUM 10.10F solar charge controller with 1 solar panel of 24V 100 W (or 2 by 12V 50 W connected in series)



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



ACG8093 COVER WITH REVOLVING CABLE GLAND DEVICE IP54 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

standard with the operator



Leaf bracket

standard with the operator



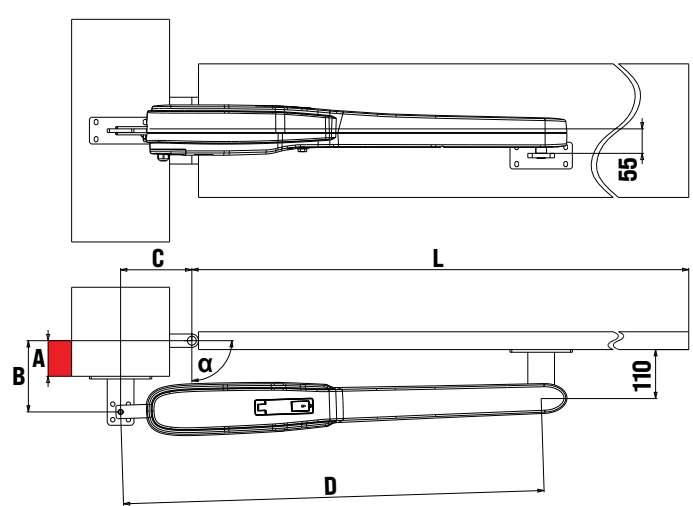
KING EVO L / KING L - Leaf bracket adapter

standard with the operator



ATI/AXI/AXO CAME Column bracket Adapter

standard 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)