

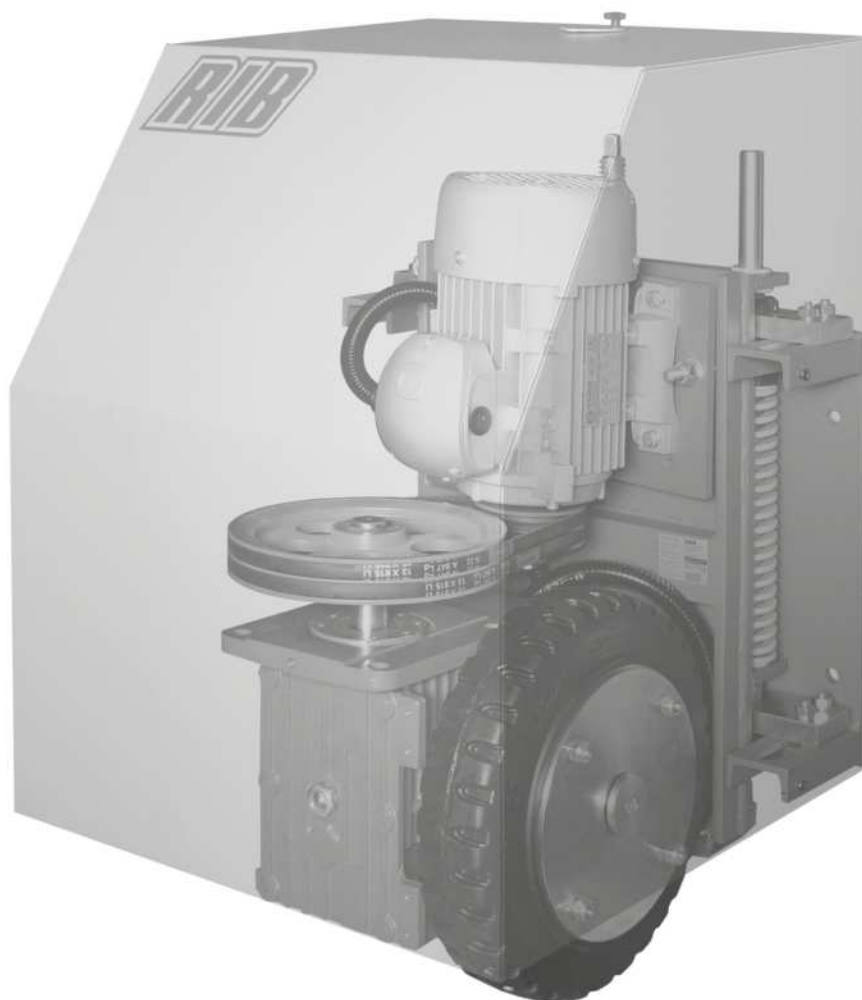


AUTOMATISMI PER CANCELLI
AUTOMATIC ENTRY SYSTEMS



Puertas & Portones Automáticos, S.A. de C.V.
¡Nuestra pasión es la Solución!....

» OPERADOR ELECTROMECHANICO PARA PUERTAS ABATIBLES Y CORREDIZAS TELESCOPICAS INDUSTRIALES MARCA RIB MOD.R-60.



R60

Operator	Power Supply	Max gate weight	Code
R60	400/380V -50/60Hz	12.000 kg / 26.750 lbs	AA22002
R60 ICE			AA22011

The correct operation of the operator is guaranteed only if it is managed by a RIB control panel

MANUAL DE INSTALACION

(229) 288-1552

portonesautomaticos@adsver.com.mx
portonesautomaticos@prodigy.net.mx



RESIDENCIAL



COMERCIAL



INDUSTRIAL



MEMBER
International Door Association



V07.20

(229) 927-5107, 167-8080, 167-8007, 151-7529.



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IMPORTANT SAFETY INSTRUCTIONS FOR THE INSTALLATION

ATTENTION - FOR THE SAFETY OF PEOPLE IT IS IMPORTANT TO FOLLOW ALL THE INSTRUCTIONS

KEEP THESE INSTRUCTIONS WITH CARE

- 1° - If it is not forecast in the electric gearcase, install a switch of magneto thermic type upstream, (omni polar with minimum opening of the contacts of 3 mm) with a check of conformity to the international standards. Such device must be protected against the accidental lockup (for example by installing inside a locked board).
- 2° - For the section and the type of the cables RIB advises to use a cable of H05RN-F type with 1,5 sqmm minimum section and, however, to keep to the IEC 364 and installation standards in force in your country.
- 3° - Positioning of a possible couple of photoelectric cells: the radius of the photoelectric cells must be at a height of no more than 70 cm from the ground and at a distance not superior to 20 cm from the motion plane of the door. Their correct working must be verified at the end of the installation in accordance with the point D.3.2 of the EN 12453
- 4° - To fulfill the limits set by EN 12453, and in case the peak force exceeds the normative limit of 400 N it is necessary to have recourse to the active presence survey on the whole height of the door (up to max 2,5 m) - The photocells, in this case, must be applied in accordance with the point D.4.1 of the EN 12453.

N.B.: The earthing of the system is obligatory.

The data described in this handbook are purely a guide.

RIB reserves the right to change them in any moment.

Carry out the system in the respect of the standards and laws in force.

IMPORTANT SAFETY INSTRUCTIONS FOR THE INSTALLATION

ATTENTION - THE INCORRECT INSTALLATION CAN CAUSE SERIOUS DAMAGES FOLLOW ALL INSTALLATION INSTRUCTIONS

- 1° - This handbook is exclusively addressed to the specialized personnel who knows the constructive criteria and the protection devices against accidents for motorized gates, doors and main doors (follow the standards and the laws in force).
- 2° - The installer will have to issue a handbook to the final user in accordance with the EN 12635.
- 3° - Before proceeding with the installation, the installer must forecast the risks analysis of the final automatized closing and the safety of the identified dangerous points (Following the standards EN 12453).
- 4° - Before installing the motion motor, the installer must verify that the gate is in good mechanical conditions and that it adequately opens and closes.
- 5° - The installer must install the member for the manual release at a height inferior to 1,8 m.
- 6° - The installer will have to remove possible impediments to the motorized motion of the gate (eg. door bolts, sliding bolts, door locks etc.)
- 7° - The installer will permanently have to put the tags warning against the deflection on a very visible point or near possible fixed controls.
- 8° - The wiring harness of the different electric components external to the operator (for example photoelectric cells, flashlights etc.) must be carried out according to the EN 60204-1.
- 9° - The possible assembly of a keyboard for the manual control of the movement must be done by positioning the keyboard so that the person operating it does not find himself in a dangerous position; moreover, the risk of accidental activation of the buttons must be reduced.
- 10° - Keep the automatism controls (push-button panel, remote control etc.) out of the children way. Command device for operating the motor (a switch manually closed) should be placed in area visible from the guided site and far from moving parts. It should be placed at least at 1,5 m height.
- 11° - this appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved
- 12° - children shall not play with the appliance
- 13° - cleaning and user maintenance shall not be made by children without supervision
- 14° - do not allow children to play with fixed controls. Keep remote controls away from children
- 15° - Fixed command devices should be installed in a well visible way.
- 16° - Before carrying out any installation, regulation or maintenance operation of the system, take off the voltage by operating on the special magneto thermic switch connected upstream.
- 17° - At the end of the installation, the installer will have to make sure that the parts of the door do not encumber streets or public sidewalks.

THE RIB COMPANY DOES NOT ACCEPT ANY RESPONSIBILITY for possible damages caused by the non observance during the installation of the safety standards and of the laws in force at present.

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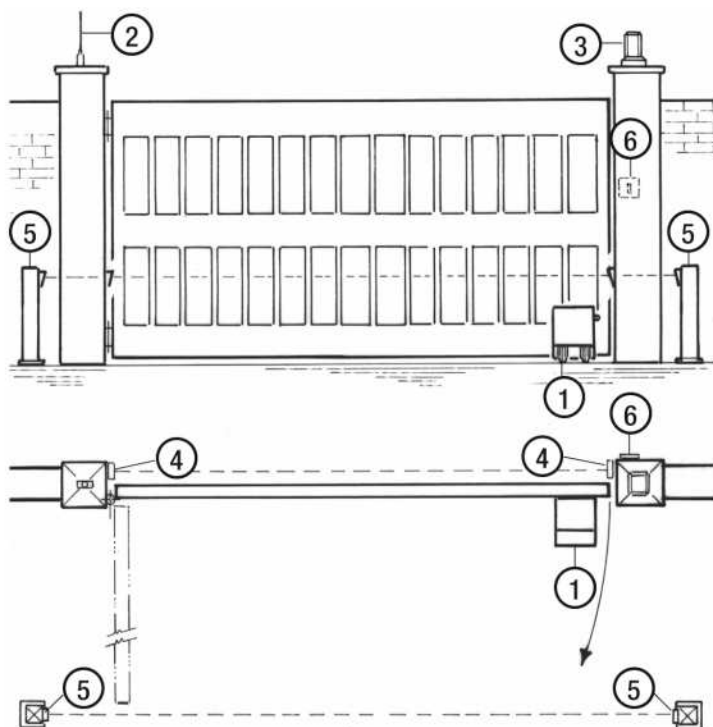


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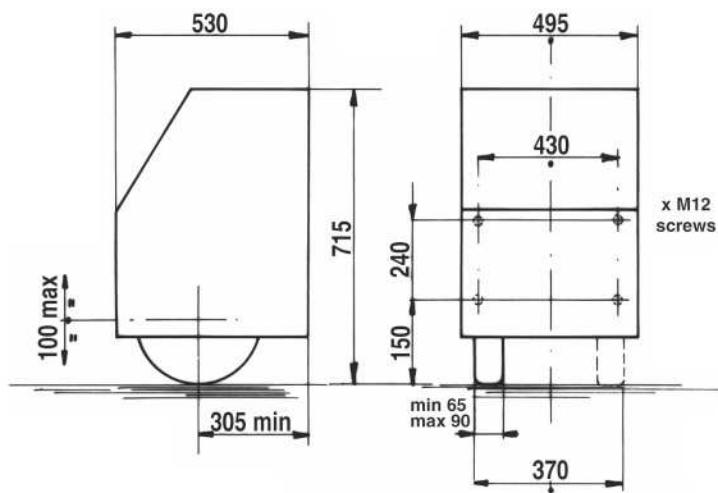
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SYSTEM LAY-OUT



- 1 - R60 operator
- 2 - Radio antenna
- 3 - Blinker
- 4 - Photoelectric cells (external)
- 5 - Photoelectric cells (internal)
- 6 - Key selector



Measurements in mm

TECHNICAL FEATURES

Gearmotor for moving industrial leaf-gates (not opening onto public roads) with maximum weight of 12.000 kg.

The R60 is an irreversible gearmotor with a driving power which can be varied in accordance with the pressure exerted by the drive wheel on the ground.

Drive transmission between motor and gearmotor is by means of V-belts to avoid mechanical damage due to recoil shock transmitted from the gate at travel start, travel end, and during direction change. The drive wheel tolerates approx. 10 cm level difference as the gearmotor unit runs on vertical chromed ways.

Wheel/ground pressure is variable from 150 to 600 kg and is maintained by special adjustable springs.

TECHNICAL DATA		R60
Max. leaf length	m	15
Max. leaf weight	kg	12.000
Average opening time 90°	s	116,5
Max torque	Nm	235
Operating speed	m/s	0,164 (50Hz) - 0,196 (60Hz)
Power supply		400V 3~ 50Hz
Motor capacity	W	1.100
Power absorbed	A	2,7
Power supply		380V 3~ 60Hz
Motor capacity	W	1.200
Power absorbed	A	2,7
Power supply		220V 3~ 60Hz
Motor capacity	W	1.200
Power absorbed	A	4,57
230/50-60 Normative cycles	n°	50 - 100s/2s
Daily cycles suggested	n°	300
Service	%	100
Consecutive cycles guaranteed	n°	300
Lubrication		IP MELLANA 100
Poids du moteur	kg	156
Temperature de travail	°C	-10 ÷ +55
Indice de protection	IP	55

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R60 INSTALLATION

The leaf must be fixed firmly on the hinges to the pillars, must not be flexible during the movement and must move without frictions.

The ground on which the R60 wheel runs must be solid and compact with minimum gradient.

Gate features must be uniformed with the standards and laws in force. The door/gate can be automated only if it is in a good condition and its conditions comply with the EN 12604 norm.

- The door/gate leaf does not have to have a pedestrian opening. In the opposite case it is necessary to take the appropriate steps, in accordance with EN 12453 norm point 6.5.1 (for instance; by preventing the operation of the motor when the pedestrian opening is opened, by installing a safety microswitch connected with the control panel).
- No mechanical stop shall be on top of the gate, since mechanical stops are not safe enough.

Parts to install according to EN 12453 standard

COMMAND TYPE	USE OF THE SHUTTER		
	Skilled persons (out of public area*)	Skilled persons (public area)	Not skilled persons
Hold-to-run operation	A	B	Not possible
Impulsive - in sight (e.g. push-button)	C or E	C or E	C and D, or E
impulsive - out of sight (e.g. remote)	C or E	C and D, or E	C and D, or E
automatic	C and D, or E	C and D, or E	C and D, or E

* a typical example are those doors which do not have access to any public way

A: Hold-to-run operation made by push-button ex: code ACG2013

B: Hold-to-run operation made by key selector ex: code ACG1010

C: Adjustable power of the motor or photocells to respect impact forces as indicated in Annex A

D: Safety strips and/or other additional devices to reduce the probability of contact with the door.

E: Devices installed in such a way that a person can not be touched by the door.

R60 INSTALLATION

The ground must be solid and even, at least over the wheel travel area.

Fix the gearmotor base plate onto the corner of the leaf so that the wheel touches the ground.

Fix base plate by drilling four $\varnothing 10$ mm holes.

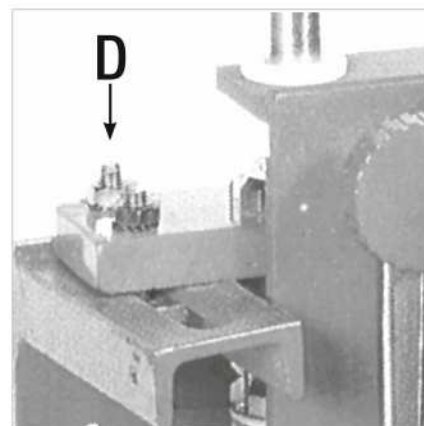
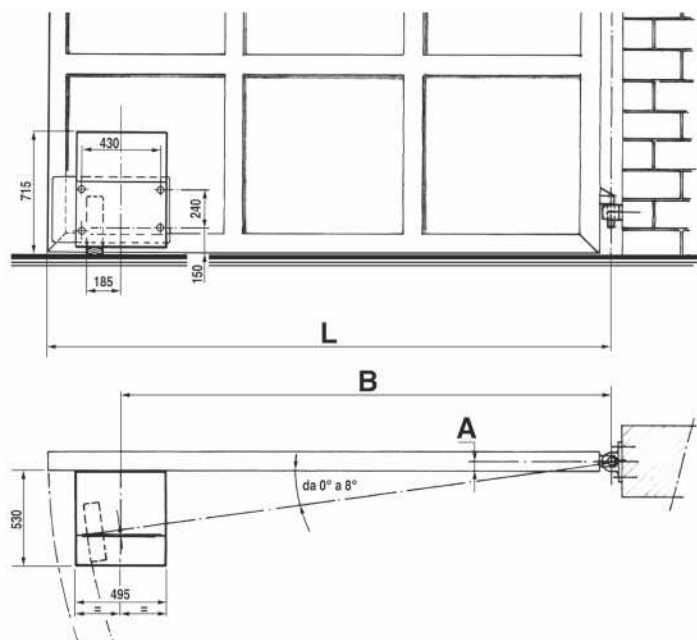
Thread holes with a M12 tap, fit 4 screws and tighten with a no. 19 wrench (pic. 3).

Using the ratchet spanner provided, slide the rod down to the block.

If the wheel slips on the ground, adjust the ring nut for the springs by turning it clockwise to increase wheel/ground pressure.

To avoid excessive wheel wear during movement loosen the nuts (D) with a no. 13 spanner and angle the wheel so that its axis is aligned with the pivot of the door hinge.

Wheel angle may vary from 0° to 8° .



$$B \text{ min} = (0,31 + A) / 0,14 \text{ [m]}$$

$$B = 0,81 \times L \text{ [m]}$$

$$\text{Opening time} = 7,77 \times L \text{ [sec]}$$

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EMERGENCY RELEASE

To be undertaken after disconnecting power supply.

In the case of power failure use the spanner provided and operate the emergency release lever to lift the wheel.

In order to carry out the manual operation of the gate leaf the followings must be checked:

- That the gate is endowed with appropriate handles;
- That these appropriate handles are placed so to avoid safety risks for the operator;
- That the physical effort necessary to move the gate leaf should not be higher than 225 N, for doors/gates for private dwellings, and, 390 N for doors/gates for commercial and industrial sites (values indicated in 5.4.5 of the EN 12453 norm).

A: Maximum stroke 100 mm during movement (holes or uneven ground)

B: Rod

C: Position of rod (B) during installation

D: Position of rod (B) during movement

E: Block

ELECTRICAL SAFETY DEVICES

The installation must be installed according to the current regulations and laws.

We recommend the use of a B2/R2 control panel.

For connections and technical data of accessories refer to the appropriate booklets.

R60 APPLICATION ON MULTIPLE PANEL DOORS

In this case the R60 must be installed on the first leaf and will require two wheels with tyres.

MAINTENANCE

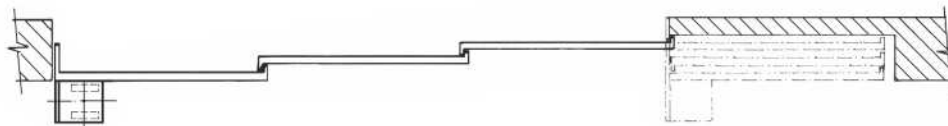
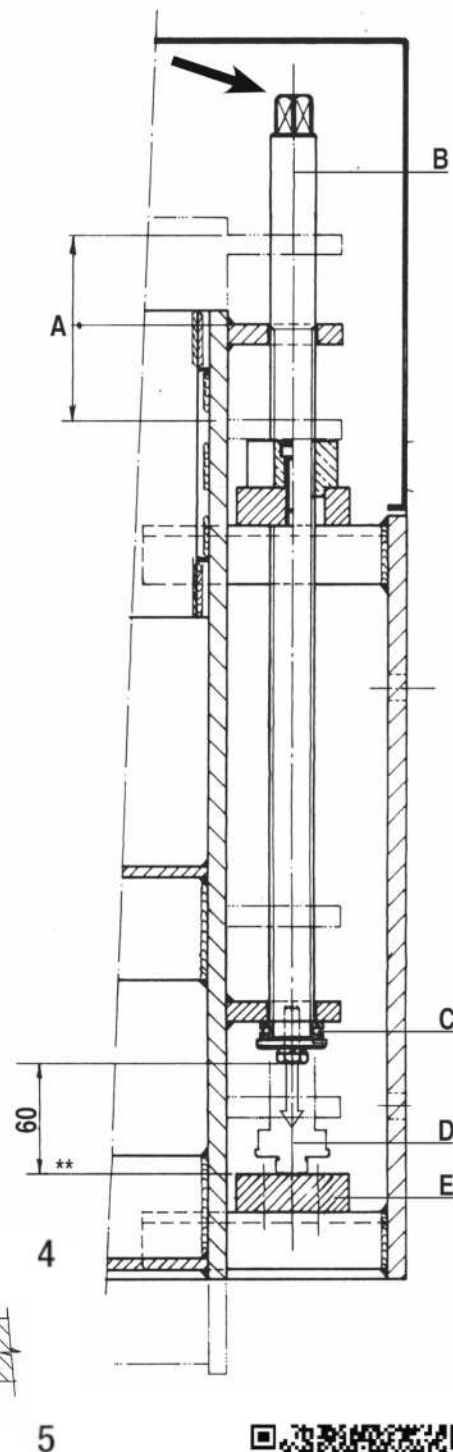
To be undertaken by specialized staff after disconnecting power supply.

Clean the wheel contact surfaces carefully once a week.

Check wheel/ground pressure, V-belt tension, oil level and condition of motor every six months.

The motor should be overhauled every two years and the oil and V-belts replaced.

ALWAYS USE AN OPEN/CLOSE PUSH BUTTON WHICH IS DESIGNED TO PREVENT THE POSSIBILITY OF SIMULTANEOUSLY SENDING THE OPPOSITE COMMAND OF OPENING AND CLOSING AND AVOID SO A DAMAGE TO THE MOTOR.



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ACCESSORIES - For the connections and the technical data of the optional equipments follow the relevant handbooks.

ADDITIONAL WHEEL



code ACG8550

ELECTRIC LOCK



Horizontal lock - right external view - 12Vac
Horizontal lock - left external view - 12Vac
Vertical lock - 12Vac

code ACG8660
code ACG8670
code ACG8650

FIT SYNCRO



FIT SYNCRO PHOTOCELLS for the wall-installation
The range you can set is 10-20 m, 30÷60 ft.
You can fit many couples close together thanks to the synchronising circuit.
Add the **SYNCRO TRANSMITTER**
for more than 2 photocells couples (up to 4).
COUPLE OF BUILT-IN BOXES FOR THE FIT SYNCRO

code ACG8026
code ACG8028
code ACG8051

MECHANICAL BOLT



Mechanical bolt suitable for 2 leaves gate to latch closed the gate to the ground.
code ACG5000

SPARK



In order to make the systems mentioned above give the best performances, you need to install an antenna tuned on the frequency of the radio receiver installed.

N.B. Pay attention to not let the central wire of the cable to come into contact with the external copper sheath, since this would prevent the antenna from working.
Install the antenna vertically and in such a way the remote control can reach it.

SPARK BLINKER WITH IN-BUILT INTERMITTENT CARD
LATERAL SUPPORT
SPARK ANTENNA 433

code ACG7059
code ACG7042
code ACG5452

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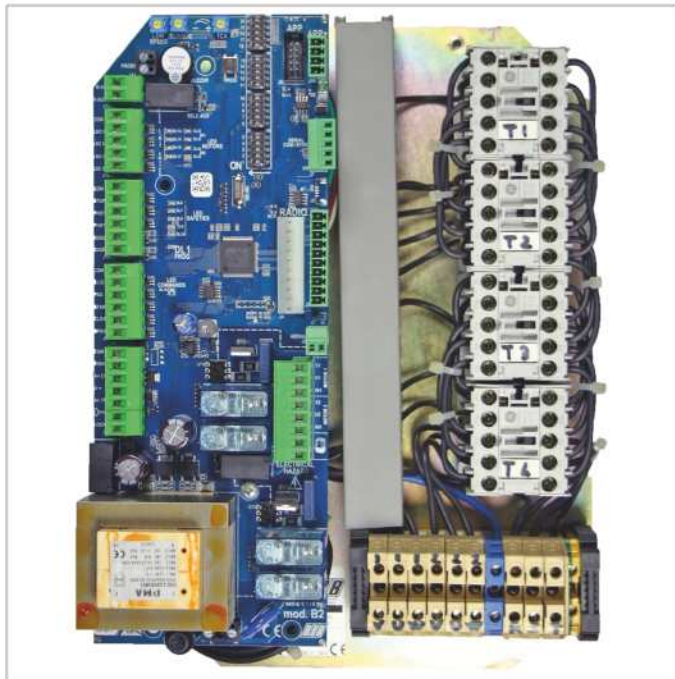


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B2/R2-CRX



RADIO MODULE 433MHZ



code ACG8069

RADIO TRANSMITTER SUN



code ABB2/R2RX



SUN 2CH
SUN CLONE 2CH
SUN-PRO 2CH
SUN-PROX 2CH

code ACG6052
code ACG6056
code ACG6210
code ACG6220

SUN 4CH
SUN CLONE 4CH
SUN-PRO 4CH
SUN-PROX 4CH

code ACG6054
code ACG6058
code ACG6214
code ACG6224



APP8050 APP card
to manage the control panel using
Bluetooth 4.2 transmission



APP8064 Wi-Fi module for APP+
card
to manage the control panel using
the local Wi-Fi network (WLAN)



APP8060 Clock module for APP+
card
to add access control features to
the control panel



APP8054 APP+ card
to manage the control panel using
Bluetooth 4.2 transmission



APP8066 RJ45 module for APP+
card
to manage the control panel using
the local network (LAN)



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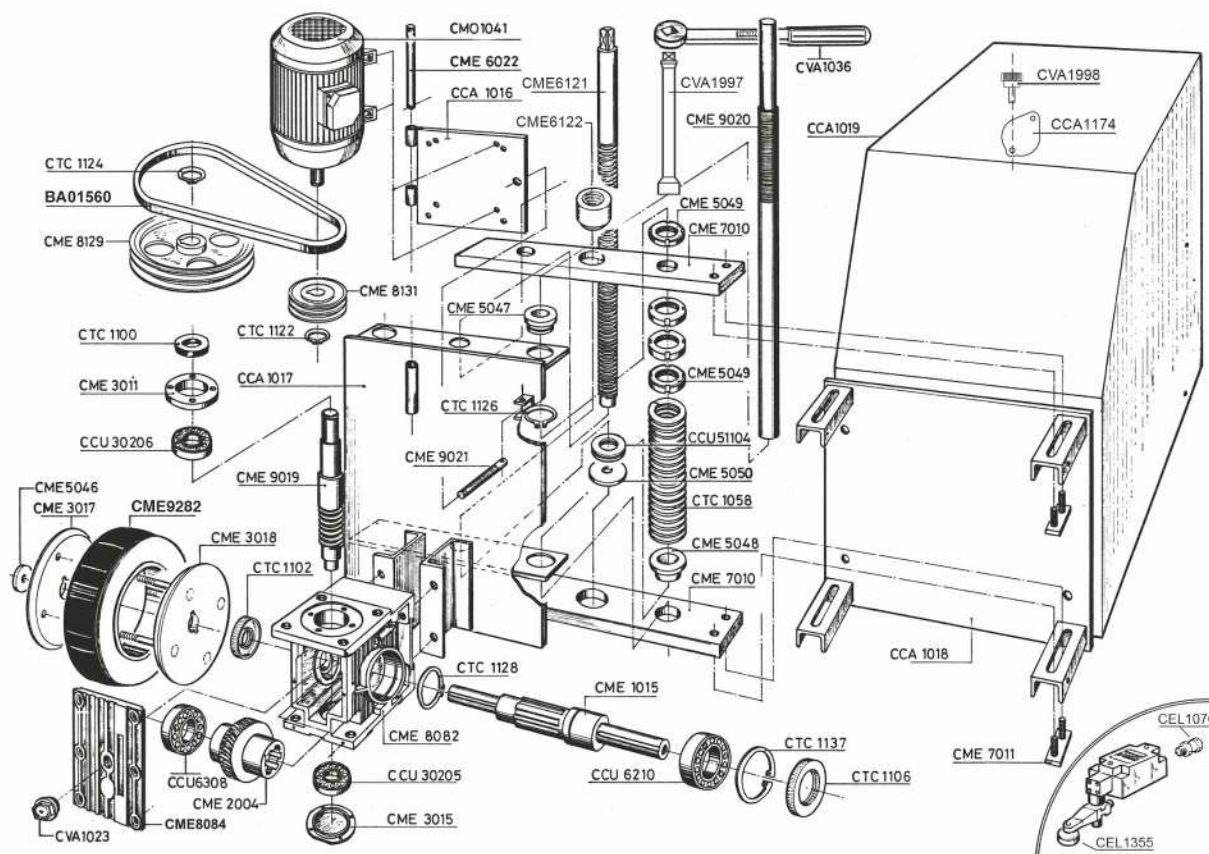
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Codice	Denominazione Particolare	CME3017	Flangia di centraggio ruota	CME9021	Tirante filettato
BA01560	Cinghiolo	CME3018	Flangia di centraggio ruota con vite	CME9282	Ruota gommata
CCA1016	Piastra supporto motore	CME5046	Piattello di fermo	CMO1041	Motore 230-400V 50/60Hz
CCA1017	Intelaiatura mobile	CME5047	Bussola nylon	CTC1058	Molla 27x50x250 tipo SL
CCA1018	Intelaiatura fissa	CME5048	Bussola nylon	CTC1100	Paraolio 30 55 10
CCA1019	Carter protezione	CME5049	Ghiera di bloccaggio	CTC1102	Paraolio 40 80 10
CCA1174	Goccia in lamiera	CME5050	Rondella per madrevite	CTC1106	Paraolio 50 90 10
CCU30205	Cuscinetto 30205	CME6022	Perno cerniera supporto motore	CTC1122	Seeger E24
CCU30206	Cuscinetto 30206	CME6121	Madrevite per sblocco	CTC1124	Seeger E28
CCU51104	Cuscinetto assiale 51104	CME6122	Chiocciola bronzo	CTC1126	Seeger E35
CCU6210	Cuscinetto 6210	CME7010	Timone di orientamento	CTC1128	Seeger E50
CCU6308	Cuscinetto 6308	CME7011	Piastrina di tenuta timone	CTC1137	Seeger I90
CEL1355	Finecorsa	CME8082	Carcassa riduttore Hp4	CVA1023	Tappo livello olio
CEL1076	Pressacavo PG13.5	CME8084	Coperchio riduttore	CVA1036	Chiave a cricca
CME1015	Albero traino	CME8129	Puleggia doppia Ø=210 tipo A	CVA1997	Prolunga chiave "250
CME2004	Corona BZ con mozzo ghisa Z=42	CME8131	Puleggia doppia Øp 90	CVA1998	Volantino zigrinato ZP/22 M6X15
CME3011	Flangetta posteriore	CME9019	Vite senzafile		
CME3015	Flangia coperchio	CME9020	Colonna di guida		



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ENGLISH

WEEE - Information for users

If the crossed-out bin symbol appears on the equipment or packaging, this means the product must not be included with other general waste at the end of its working life.

The user must take the worn product to a sorted waste center, or return it to the retailer when purchasing a new one.

Products for disposal can be consigned free of charge (without any new purchase obligation) to retailers with a sales area of at least 400 m², if they measure less than 25 cm.

An efficient sorted waste collection for the environmentally friendly disposal of the used device, or its subsequent recycling, helps avoid the potential negative effects on the environment and people's health, and encourages the re-use and/or recycling of the construction materials.

Materials must be disposed of in accordance with the regulations in force.

Do not throw away your discarded equipment or used batteries with household waste.

You are responsible for taking all your waste electrical and electronic equipment to a suitable recycling centre.



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