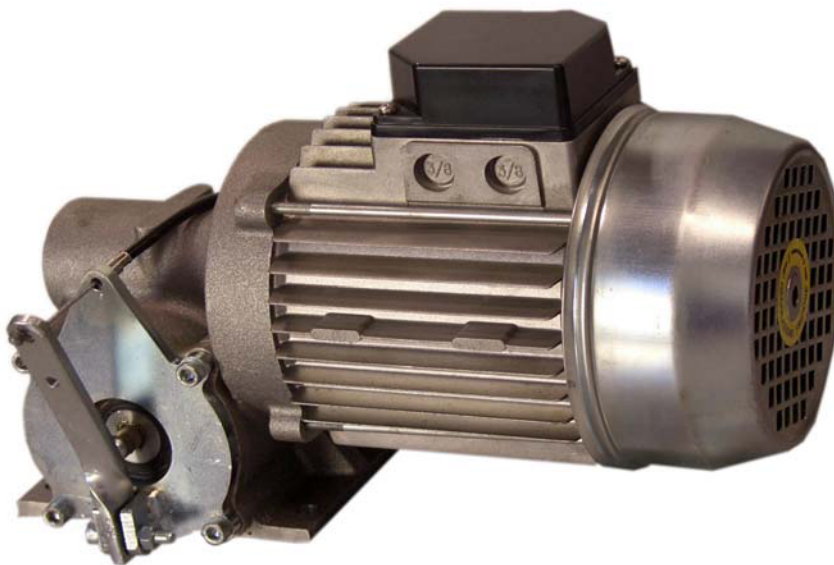


HERCULES

230V GEARMOTOR FOR "BOOK" DOORS AND INDUSTRIAL SECTIONAL DOORS

QK-HC



USE AND MAINTENANCE MANUAL

I N D E X

TECHNICAL FEATURES OF THE GEARMOTOR	11
GENERAL ADVICE	12
USE	12
MAINTENANCE	12
TYPICAL “BOOK” DOOR SYSTEM	13
TYPICAL SECTIONAL DOOR SYSTEM	14
ELECTRICAL CONNECTIONS	14
MAINTENANCE RECORD BOOK	15
DECLARATION OF COMPLIANCE (1)	17
DECLARATION OF COMPLIANCE (2)	18

TECHNICAL FEATURES OF THE GEARMOTOR

TECHNICAL DATA	QK-HC
POWER SUPPLY	230Vac
ABSORBED POWER	600W
ABSORBED CURRENT	3,4A
OPERATING TEMPERATURE	-20°/+70° C
PROTECTION DEGREE	IP 23
WORK CYCLE	15%
MOTOR SPEED	1400 rpm
REDUCTION RATIO	1/30
THERMAL PROTECTION	140°C
CAPACITOR	16µf
MAX GATE WEIGHT	1000 kg
WEIGHT OF THE GEARMOTOR	17 kg

DIMENSIONS	QK-HC
LENGTH	330 mm
WIDTH	180 mm
HEIGHT	200 mm

Small dimension ed high power gearmotor for "book" doors and industrial sectional doors up to 1000 Kg. Vertical pinion reducer, with adjustable mechanical friction, electrical auto-ventilated motor with thermal protection and mechanical unlocking system for manual movement. Available with or without control box.

ADVICE

Quiko Italy Sas is liable only for products it manufactures and commercializes. Once automated, the gate becomes a machine and is therefore subjected to the rules of the "Machinery Directive". It is on the installer to verify its security. **WARNING** : Quiko Italy Sas is not liable for any damages to people, animals or things due to unauthorised modifications, alterations or betterments on its products by third parties.

GENERAL ADVICE

Install a gate's safety system that complies with current regulations. Choose short routes for cables and keep power cables separate from control ones. Please refer to current regulations when setting the gear motor's maximum torque. We advise you to install an outdoor switch, in compliance with European standards on the issue of safety, to turn the electricity off when servicing the gate. Check that each single installed device is efficient and effective. Affix easily readable signs warning about the presence of a motorised gate.

USE

It is absolutely forbidden to use the device for any other purposes. In case of blackout, act on the manual unlocking device and move manually the gate. Remember that this is an automatic device powered by electricity, consequently use with care.

In particular, remember:

- not to touch the device with wet hands and/or wet or bare feet;
- to turn off electricity before opening the control box and/or actuator;
- not to pull the lead to pull the plug out;
- to put the gate in movement only when it is completely visible;
- to keep out of the gate's range of action if it is moving. Wait until it has stopped;
- not to let children or animals play near the gate;
- not to let children use the remote control or other operating devices;
- to carry out routine maintenance;
- in case of failure, to turn off electricity and operate the gate manually only if it is possible and safe. Refrain from touching the gate and call an authorised technician.

MAINTENANCE

Warning: no one but the maintenance man, who must be a specialised technician, must be able to control the automatic gate while it is being serviced. For this reason please turn off electricity, avoiding also electric shocks hazard. If on the contrary electricity must be on for certain checks, remember to check or disable any control device (remote controls, push button panels etc.) except the one used by the service man.

ROUTINE MAINTENANCE

Each of the following operations must be done when needed and in all cases at least every 6 months:

Door:

check the general status of the door

Automation system:

- 1 - Check the proper working of the safety devices;
- 2 - Lubricate (with grease) the unlocking group.

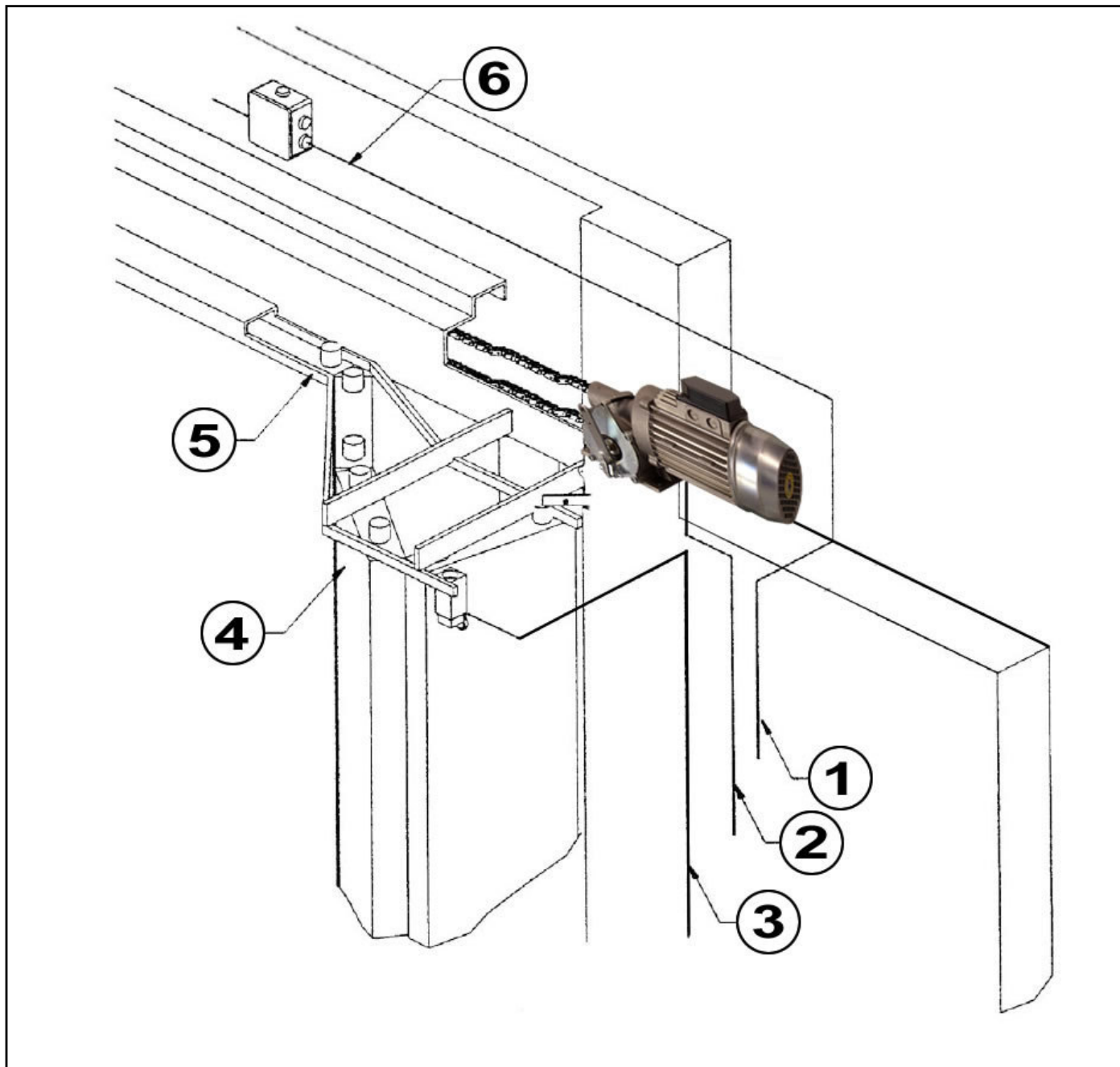
EXTRA-ORDINARY MAINTENANCE

If an unusual maintenance operation is needed on electromechanical parts, it is recommended to remove the part where the damage is located, to allow a factory reparation by specialised technicians.

TYPICAL “BOOK” DOOR SYSTEM

System is composed by a particular plate with derailer standing for both the support of motor and the movement of the “book” door system itself. System is integrated with unlocking mechanism for the manual movement of the door.

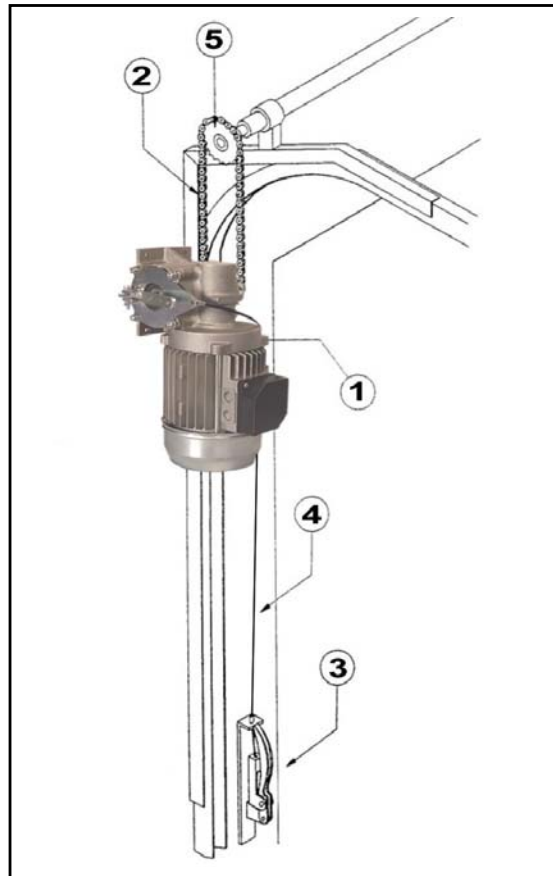
ENGLISH



LEGEND

- 1 – LINE CABLES
- 2 – MOTOR CABLES
- 3 – MICRO CABLES
- 4 – BOOK LEAFS
- 5 – DERAILER
- 6 – POWER SUPPLY

TYPICAL SECTIONAL DOOR SYSTEM



LEGEND

- 1 – GEARM MOTOR
- 2 – TRANSMISSION CHAIN
- 3 – MANUAL UNLOCKING
- 4 – UNCLOCKING CABLE
- 5 – PINION

ELECTRICAL CONNECTIONS

Not to let the power cables pass together with the motor cables. In every case chose the shortest pass for cables. It is recommended to install a general interruptor, out of the use of improper persons, to take power down in case of maintenance or long disuse.

MAINTENANCE RECORD BOOK

This Maintenance Record Book contains technical information as well as a list of installations, maintenance and repairs performed and must be available for possible inspections by authorized bodies.

Technical Assistance:
(Name, address, telephone)

TECHNICAL DATA AND INSTALLATION OF THE MOTORIZED DOOR/GATE

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Customer:	Name, Address, Contact Person
Order Number:	Customer Order Number and Date
Model and Description:	Type of Door/Gate
Size and Weight:	Size of the Passage, Size and Weight of the Door
Serial Number:	Unique Identification Number of the Door/Gate
Location:	Installation Address

LIST OF COMPONENTS INSTALLED

Motor/Activation Group:	Model, Type, Serial Number
Electrical Panel:	Model, Type, Serial Number
Photo-cells:	Model, Type, Serial Number
Safety Devices:	Model, Type, Serial Number
Control Devices:	Model, Type, Serial Number
Radio Devices:	Model, Type, Serial Number
Blinker:	Model, Type, Serial Number
Other:	Model, Type, Serial Number

LIST OF RESIDUAL RISKS AND IMPROPER, FORESEEABLE USE

Notification through signs posted on the product's danger points and/or through written notices to deliver to and explain to the user or the person in charge about the existing risks and the improper, foreseeable use.

MAINTENANCE RECORD BOOK

ENGLISH

Description of the Intervention					
<i>(Check the box corresponding to the intervention carried out. Describe possible residual risks and/or improper, foreseeable use)</i>					
<input type="checkbox"/> Installation	<input type="checkbox"/> Start-up	<input type="checkbox"/> Adjustments	<input type="checkbox"/> Maintenance	<input type="checkbox"/> Repairs	<input type="checkbox"/> Changes
Date: _____ Signature of the Technician: _____ Signature of the Customer: _____					

Description of the Intervention					
<i>(Check the box corresponding to the intervention carried out. Describe possible residual risks and/or improper, foreseeable use)</i>					
<input type="checkbox"/> Installation	<input type="checkbox"/> Start-up	<input type="checkbox"/> Adjustments	<input type="checkbox"/> Maintenance	<input type="checkbox"/> Repairs	<input type="checkbox"/> Changes
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<input type="checkbox"/> Installation	<input type="checkbox"/> Start-up	<input type="checkbox"/> Adjustments	<input type="checkbox"/> Maintenance	<input type="checkbox"/> Repairs	<input type="checkbox"/> Changes
Date: _____ Signature of the Technician: _____ Signature of the Customer: _____					

DECLARATION OF CONFORMITY

(OF THE MANUFACTURER)



Manufacturer: QUIKO ITALY SAS

Via Seccalegno, 19
36040 Sossano (VI)
Italia

hereby declares, under his liability, that the products:
QK-HC

are in compliance with the essential safety requirements of the regulations:

- ✓ Electromagnetic Compatibility Directive2004/108/EC
- ✓ Low Voltage Directive2006/95/EC
- ✓ Machinery Directive2006/42/EC

and their amendments and modifications, and with the regulations set forth by the National Legislative Body of the country in which the machinery is destined for use.

Sossano, 19/10/2011

Managing Director
Luca Borinato



DECLARATION OF CONFORMITY
(OF THE INSTALLER)

The undersigned:

Address:

in charge of the set-up, declares that the product:

Gate type:

Location:

are in compliance with the essential safety requirements of the regulations:

- ✓ Electro magnetic Compatibility Directive2004/108/EC
- ✓ Low Voltage Directive2006/95/EC
- ✓ Machinery Directive2006/42/EC

and also declares that the related and/or specific national technical regulations have been followed:

- ✓ EN 12453/EN 12445 on Industrial, Commercial and Residential Gates and Doors – Safe Use of Motorized Doors – Requirements and Classification – Test Methods;
- ✓ EN 12604/ EN 12605 on Industrial, Commercial and Residential Gates and Doors – Mechanical Aspects – Requirements and Classification – Test Methods;
- ✓ CEI 64/8 Electrical Systems Using Nominal Tension Not Higher Than 1000V a.c. and 1500 V d.c.;
- ✓ EN 13241-1 (Industrial, commercial and garage doors and gates), conformity evaluation (6.3).

Notes:

Place and date:



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