HALO

**ELECTROMECHANICAL GEAR MOTOR
FOR SECTIONAL DOORS**

KEY
AUTOMATION

HALO
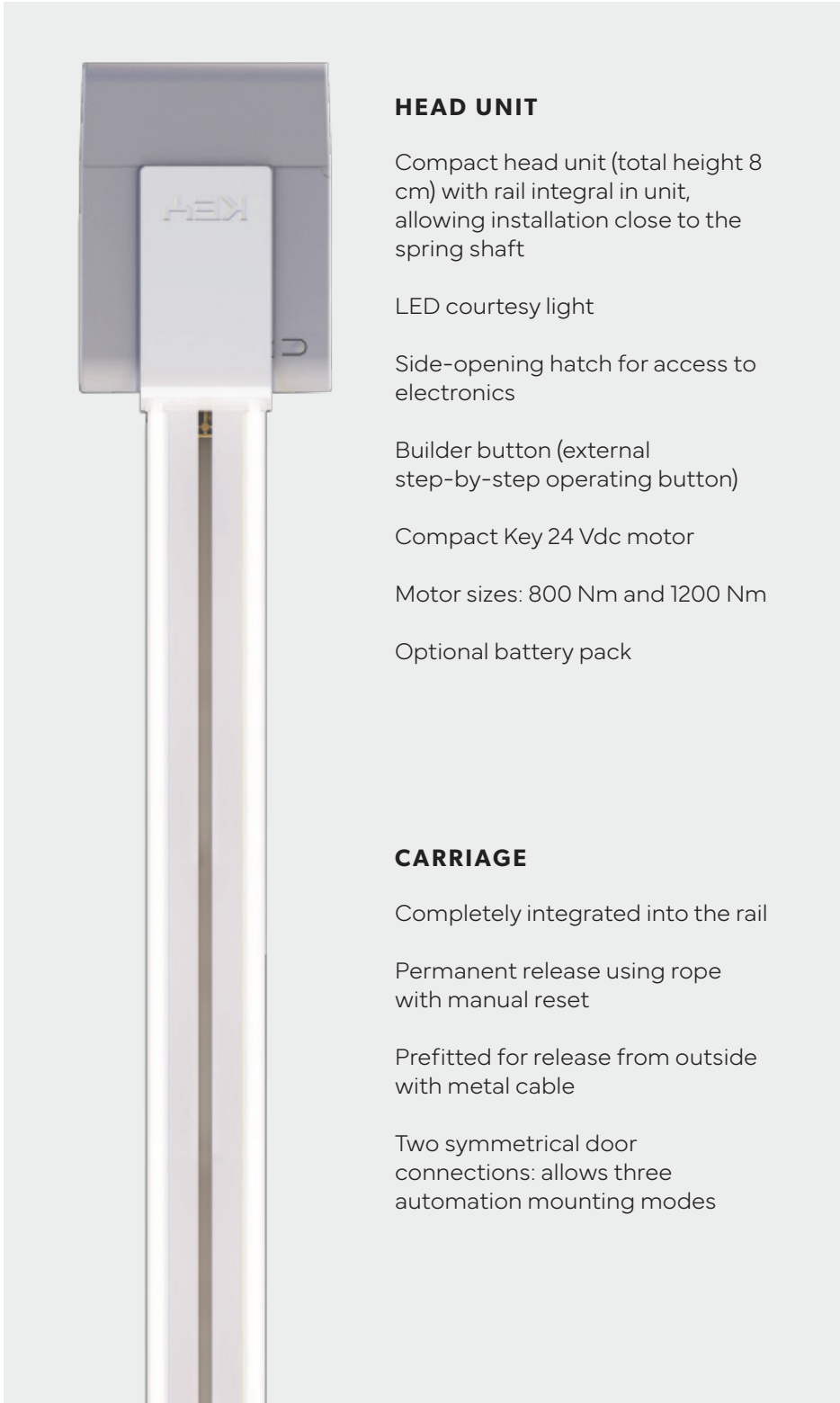
HEAD UNIT

Compact head unit (total height 8 cm) with rail integral in unit, allowing installation close to the spring shaft

LED courtesy light

Side-opening hatch for access to electronics

Builder button (external step-by-step operating button)

Compact Key 24 Vdc motor

Motor sizes: 800 Nm and 1200 Nm
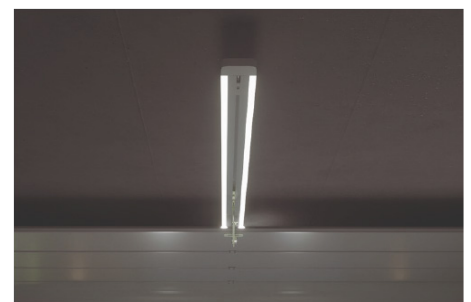
Optional battery pack

CARRIAGE

Completely integrated into the rail

Permanent release using rope with manual reset

Prefitted for release from outside with metal cable

Two symmetrical door connections: allows three automation mounting modes
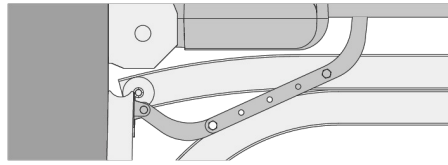

NIGHT LIGHT SYSTEM

Concept that combines the comfort of an automatic gate with the use of LED lighting to illuminate your entrance over night

+ **SAFETY**   Ease the night vision

+ **COMFORT**   Defines the driveway passage during the night

+ **SAVING** Allows lower power consumption
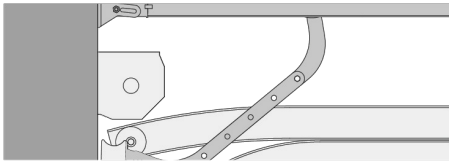
CLASSIC INSTALLATION
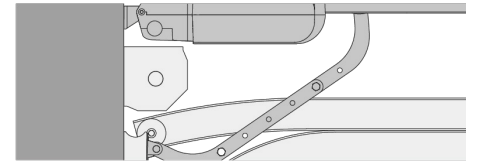
With head in the center of the garage

CROSS BEAM INSTALLATION

All wiring remains on the cross beam

Reinforces the spring shaft for added rigidity

Shorter installation times

Less weight projecting into centre of garage

SPRING SHAFT INSTALLATION

All wiring remains on the cross beam

Shorter installation times

Less weight projecting into centre of garage

MODELS

	CODE	DESCRIPTION
24 V	HA8	For sectional doors up to 11 sqm (with 3 m rail) or 12 sqm (with 4 m rail), a 24 Vdc motor and a control unit with integrated receiver
24 V	HA12	For sectional doors up to 16 sqm (with 3 m rail) or 19 sqm (with 4 m rail), a 24 Vdc motor and a control unit with integrated receiver

RAILS

| CODE	DESCRIPTION
RAL31	Aluminum belt rail with integrated LED lighting, 3090 mm (1x3m) one-piece rail
RAL41	Aluminum belt rail with integrated LED lighting, 4090 mm (1x4m) one-piece rail
RAB3X1P	Steel belt rail, 3100 mm (3x1.03m) 3-pieces rail
RAB2X2P	Steel belt rail, 4100 mm (2x2.05m) 2-pieces rail
RAB31	Steel belt rail, 3100 mm (1x3.1m) one-piece rail
RAB41	Steel belt rail, 4100 mm (1x4.1m) one-piece rail
RAB61	Steel belt rail, 6200 mm (2x3.1m) 2-pieces rail

TECHNICAL DATA

		HA8	HA12
MECHANICAL DATA			
speed	cm/s	15	15
force	N	800	1200
max cycles/hour (1)		20	20
ELECTRICAL DATA			
power supply	Vac	230 (±10%) 50Hz	
flashing	W	3 max	3 max
courtesy light on rail with integrated LEDs	W	-	40 max
accessories power output	mA	100 (24 Vdc not regulated)	
max no. of transmitters that can be stored ROLLING CODE		90	90
GENERIC DATA			
degree of protection	IP	20	20
dimensions (L x D x H):	mm	330 - 235 - 84	
weight	kg	6,5	6,9
working temperature	°C	-10 + 45	-10 + 45
maximum door size	m²	12	19
maximum door weight	kg	120	200

(1) for 2,4x2m LxH door. Data are subject to smoothness and balance of the door and the type of rail used

DIMENSIONS

330 • 114 • 3065 / 4065
235
H MAX = 84 mm

330 • 70,5 • 3075 / 4075
235
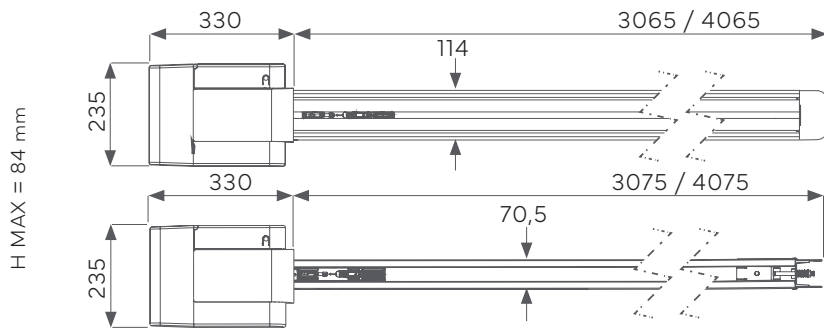
COMPATIBILITY HEAD - RAIL

	HA8	HA12
RAB31	X	X
RAB2X2P	X	X
RAB3X1P	X	X
RAB41	X	X
RAB61		X
RAL31		X
RAL41		X

LIMIT USE

Sectional	Up-and-over slide-away
HA8 with 3 m rail	
S max=11m² - H max = 2,6m	S max=10m² - H max = 3m
HA8 with 4 m rail	
S max=12m² - H max = 3,6m	S max=11m² - H max = 3,4m

Sectional	Up-and-over slide-away
HA12 with 3 m rail	
S max=16m² - H max = 2,6m	S max=16m² - H max = 3m
HA12 with 4 m rail	
S max=19m² - H max = 3,6m	S max=17m² - H max = 3,4m

ACCESSORIES
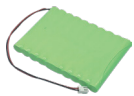
KBPN Kit of 1.3 Ah lead battery and battery charger

PC 1

KBP Kit of 1.3 Ah lead battery and battery charger PC 1

HAL2 Swinging arm for counterweight overhead doors

PC 1

HAL7 Motor support bracket, L=1400 mm. For up and over doors PC 1

HAL1S Kit for external unlock with key and metal cord for insulated overhead doors PC 1

SBLST Kit for external unlock with key and metal cord for uninsulated overhead doors

PC 1

HAL3 Kit supplementary fixing ceiling rail (for steel rail)

PC 1

HAL4 Kit 2 supplementary fixing clamps (for steel rail)

PC 1

HAL5 Kit supplementary fixing ceiling rail (for Led rail)

PC 1

HAL6 Kit for wall support (for Led rail)

PC 1

SBCO External unlocking system. L=3000 mm

PC 1

550CABL045A00 *Special cable for Eclipse flash light RG174 50 Ohm + 4 × 0,50 mm² (100m)

PC 1

520STAF029A00 Fixing clamp

PC 1

TO1U Touch transmitter, 1 channel, rolling code, to be recessed in the door panel PC 1

TO1M Touch transmitter, 1 channels, rolling code

PC 1

TO2M Touch transmitter, 2 channels, rolling code

PC 1

TO2MP Touch transmitter, 2 channels, with motion sensor PC 1

DYL Programming module Cable length 120 cm (only 14A board) PC 1

KUBE PRO Wireless module for programming

PC 1

KUBE Wireless controlling module for end user

PC 1

* it is not recommended to use a connection longer than 4 m to avoid sensible loss of reach

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