

Ditec Cubic 6

The invisible automation
For medium and heavy duty

Ideal for architecturally fine gates

Ditec Cubic 6 is an underground automation for swing gates. Unobtrusive on its visible parts, the product allows the gate to open and close without interfering with its look and style. This makes it the ideal solution for fine gates and entrances, such as those fitted to architecturally attractive or historically significant buildings, or for any application where style, look or elegance should be kept unaltered.

Concealed, sturdy and versatile

Practical and simple to operate, the automation consists of a stainless steel or electrically galvanised steel foundation casing fitted below the ground, where the geared motor and all mechanical linkages which operate the gate leaves are housed.

This highly versatile solution which can be customised to individual requirements:

- allows the gate to be opened at a very wide angle, up to 180°;
- combined with Ditec electrical control panels, the automation allows the motor to successfully overcome any initial friction caused by bad weather conditions such as ice;
- can also be used in applications requiring fast access.

Product range

	Cubic 6	Cubic 6H	Cubic 6V	Cubic 6HV
Gear motor	230 V AC	24 V DC	230 V AC	24 V DC
Wing dimension	3.5 m	3.5 m	1.5 m	1.5 m
Duty	residential	block of flats, heavy duty	residential	block of flats, heavy duty
Opening time	18 s/90°	12÷25 s/90°	9 s/90°	6÷13 s/90°

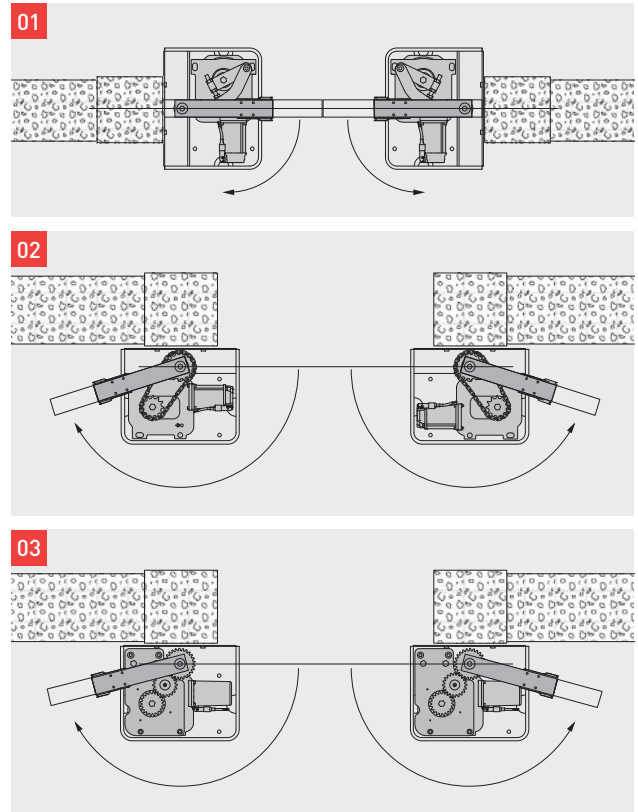


Distinctive features

- The gear motors are housed in a sturdy stainless steel or electrically galvanised steel foundation casing to increase resistance to weathering; the automation is fixed by means of stainless steel screws pre-built in the foundation casing.
- In the 110° angle version **01**, rotation is done by a lever system, whilst in the 180° angle version rotation is done by a chain **02** or a gear lever unit **03**.
- CE mark
- Aesthetically pleasing release system with key and lever which may be operated from both sides
- Works even at low temperatures
- Motor protected by an internal temperature probe
- Supplied with all security, control and monitoring accessories
- Wing support system on hardened steel ball

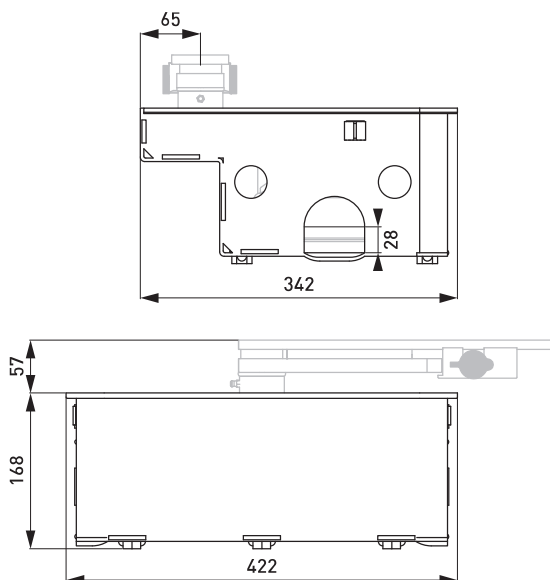
Special accessories

- Internal mechanical stop both for opening and closing operations
- Magnetic limit switches
- Customisable DIN key



Dimensions

Cubic 6



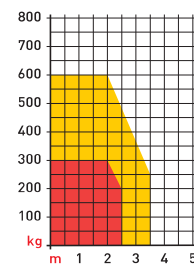
Duty charts

Duty details:

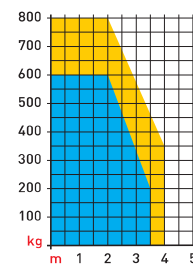
■ Lever system kit

■ Lever system kit with chain

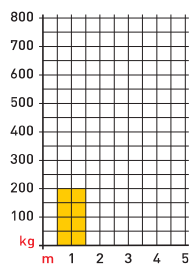
■ Lever system kit with gear



Cubic 6



Cubic 6H

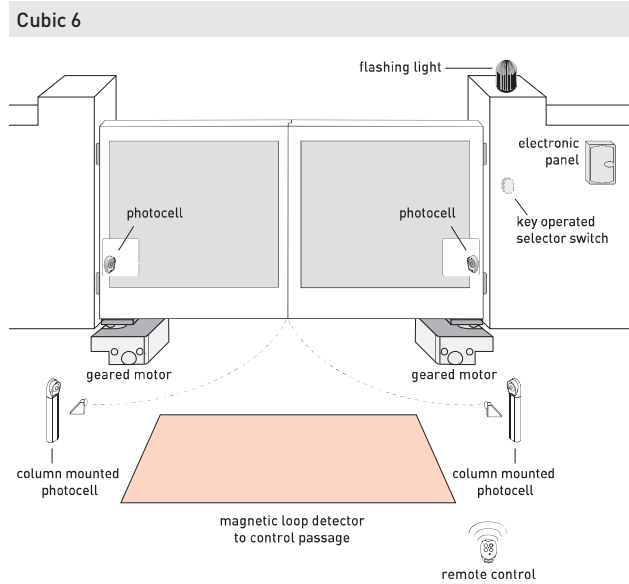


Cubic 6V - 6HV

Ditec Cubic 6

Example installation and technical specifications

Example installation



Technical specifications

Description	Cubic 6	Cubic 6H	Cubic 6V	Cubic 6HV
Electromechanical actuator	irreversible for up to 3.5 m wide wing	irreversible for up to 3.5 m wide wing	irreversible for up to 1.5 m wide wing	irreversible for up to 1.5 m wide wing
Stroke control	magnetic limit switch (optional)	magnetic limit switch (optional)	magnetic limit switch (optional)	magnetic limit switch (optional)
Maximum capacity	600 kg x 2 m 250 kg x 3.5 m	600 kg x 2 m 250 kg x 3.5 m	200 kg x 1.5 m	200 kg x 1.5 m
Duty class	3 - medium duty	4 - heavy duty	3 - medium duty	4 - heavy duty
Intermittent operation	S2 = 15 min S3 = 25%	S2 = 30 min S3 = 50%	S2 = 15 min S3 = 25%	S2 = 30 min S3 = 50%
Power supply	230 V AC / 50 Hz	24 V DC	230 V AC / 50 Hz	24 V DC
Power input	1.5 A	12 A	1.5 A	12 A
Torque	340 Nm	340 Nm	220 Nm	220 Nm
Opening time	18 s/90°	12÷25 s/90°	9 s/90°	6÷13 s/90°
Actuator maximum opening	110° or 180°	110° or 180°	110° or 180°	110° or 180°
Release system for manual opening	key operated	key operated	key operated	key operated
Operating temperature	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)
Protection rating	IP 67	IP 67	IP 67	IP 67
Control panel	E2 LOGICM	VIVA H	E2 LOGIC M	VIVA H