



Sector

Counterweight balanced and
interchangeable-section, high-speed roll-up door



DITEC

AUTOMATIC
ENTRANCE
SPECIALISTS

Reliable and equipped with modular counterweights

Sector is the most rational and reliable version among interchangeable-section high-speed roll-up doors. Rugged, compact and technologically advanced, it is equipped with a modular counterweight balancing system which enables a high standard of use and safety.

Rugged and compact, also in stainless steel version

Sector comes with a sturdy and compact, galvanized steel (T1 model) or satin-finish AISI 304 stainless steel (T1Y model) self-bearing metal structure, which integrates driving unit, fast wiring and safety photocells.

Self-bearing, easy and quick to install

Its self-bearing transom, positioned on the vertical uprights, enables easy and quick assembly thus resulting in a trouble-free installation. The transom incorporates and protects all transmission gears. Polarized fast wiring ensures correct connections and contribute to making installation quick and simple.

Ideal for space problems

Its compact size, both in terms of height and width, enables trouble-free installation even when there are space problems.

Safe and reliable

Its reliable modular counterweight balancing system, with its sturdy driving belt, allows the motor to work with minimum effort, thus extending the operational lifespan of the automation. Its three-phase motor for heavy duty, is composed by gear motor with brake, limit switch and lock release, integrated in an exclusive module (exclusive and original DITEC characteristic).

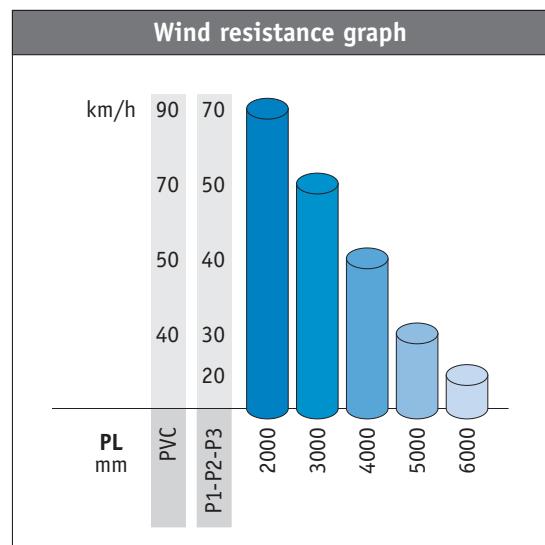
Wide range of safeties

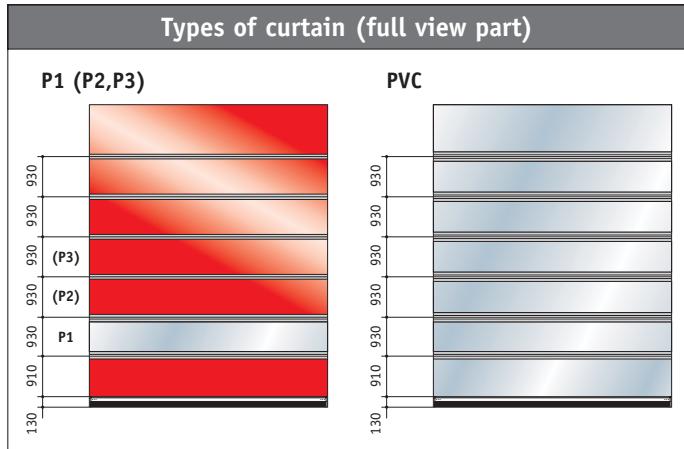
Sector comes with a wide range of safety devices:

- Instant reverse safety edge with rubber border and aluminium extrusion anodized with ACS Anti-crash System in CPA (electropneumatic with pressure switch) versions or CFA (electronic with self-controlled photocell) versions. It protects the curtain from accidental crash damage.
- Emergency reopening mechanism, available on both sides of the door, which by releasing the counterweight system, enables semiautomatic reopening of the curtain.
- Standard safety photocell couple and additional provision for another photocell couple.
- IP 55 external electronic control panel, with open-close push-button station, emergency stop; self-test function.

Functional, intelligent and multi-purpose

Sector offers great structural flexibility thanks to its modular interchangeable system; the curtain can be made up of blind sections, available in a wide choice of colours, and transparent sections, which increase visibility and result in higher safety. Modular sections make provision for various combinations to meet different operational requirements and enable easy and quick replacement in case of damage.



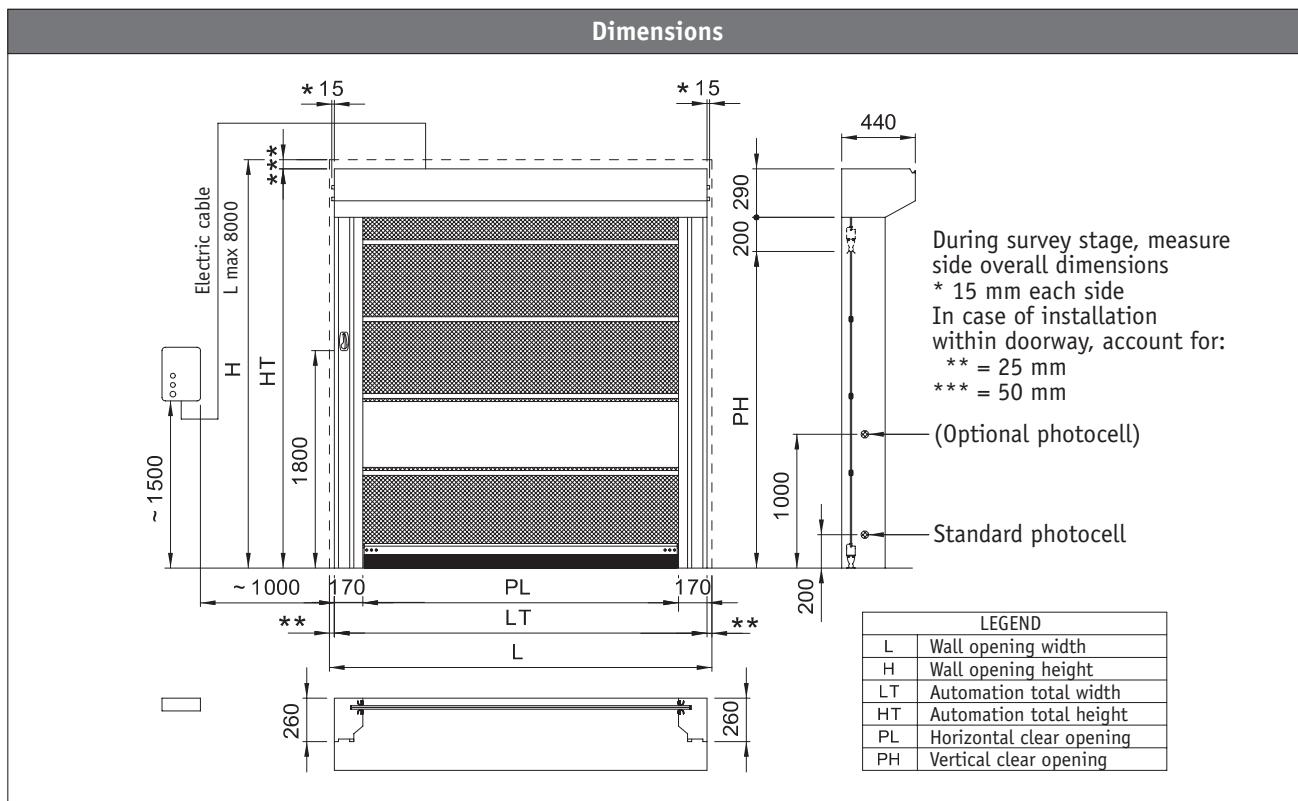


► Main technical features

- Structure in **(T1)** galvanized steel or **(T1Y)** satin-finish AISI 304 stainless steel, which integrates **driving unit, fast wiring and safety photocells**.
- **RAL**, additional charge for epoxide powder coating with smooth finish
- Built-in motor for heavy duty: 400 V three-phase, opening/closing speed at 0.9 m/s
- **IP 55** electronic control panel, with open-close-emergency stop button station; self-test function
- **Modular counterweight** balancing system
- Emergency reopening **semiautomatic** mechanism
- Safety edge with rubber stop and aluminium extrusion anodized with **ACS Anti-crash System** available in the following versions:
 - **CFA** (electropneumatic with pressure switch)
 - **CFA** (electronic with self-controlled photocell)

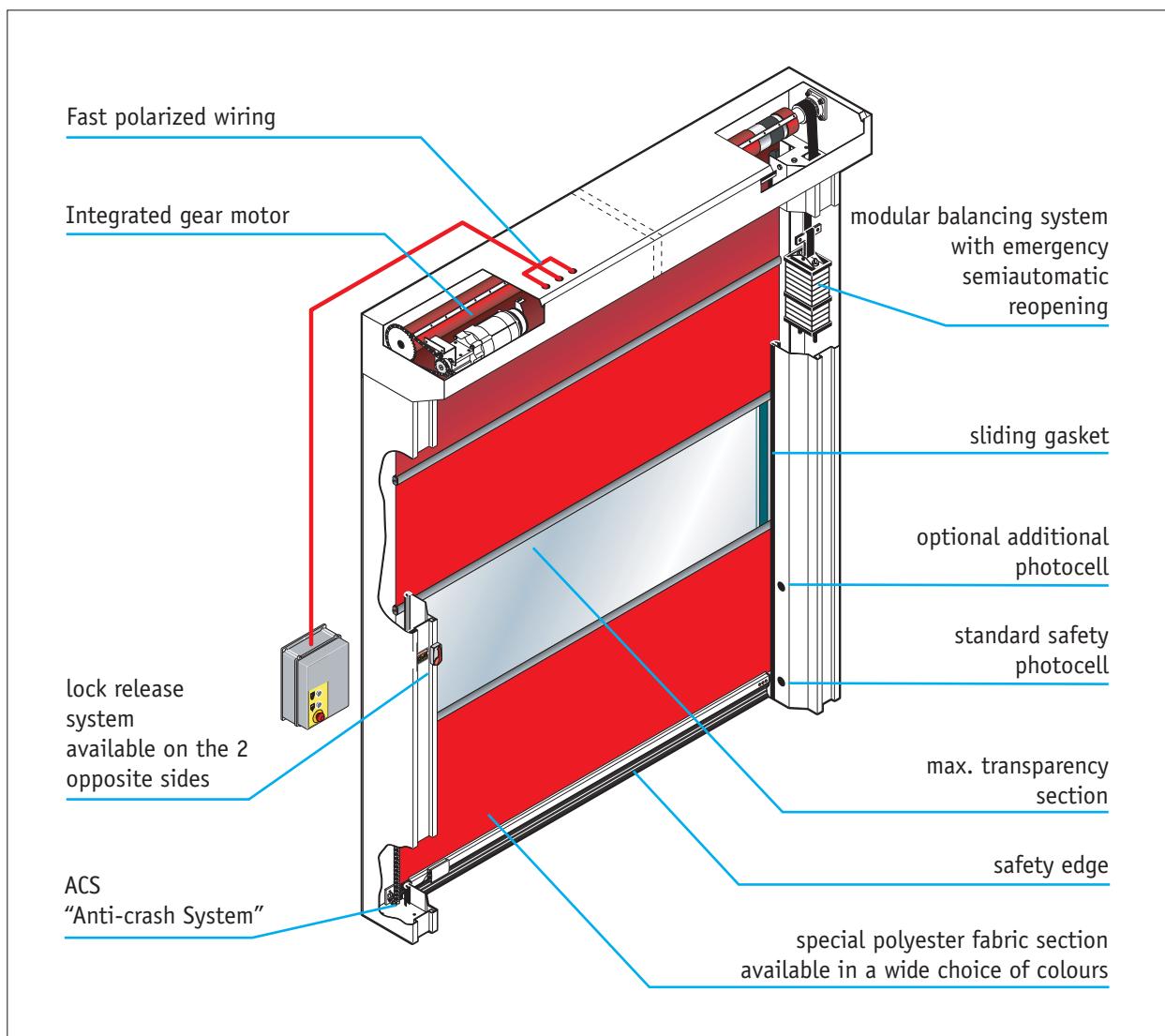
► Technical features of the curtain

- Anodized aluminium bars holding the interchangeable panels
- Max. wind resistance: up to **90 km/h** (see graph)
- Flexible curtain in (DIN 4102) class 2 self-extinguishing material, with a standard distance between centres of 930 mm:
 - **P1** class 2 polyester with 1 window panel
 - **P2** class 2 polyester with 2 window panels
 - **P3** class 2 polyester with 3 window panels
 - **PVC** fully transparent



► SECTOR with special pneumatic actuation

Sector is available also with pneumatic actuation and components. The automation consists of a cylinder which is mechanically linked to the roll-up shaft and is completely controlled by pneumatic logic, which is located inside the post; this means that no power supply is needed. The door comes with standard safety edge with pressure switch (CPN). Automation controls are necessarily pneumatic, but its structural work and its curtain are the same as in the standard version, standard supply of electric parts excluded.

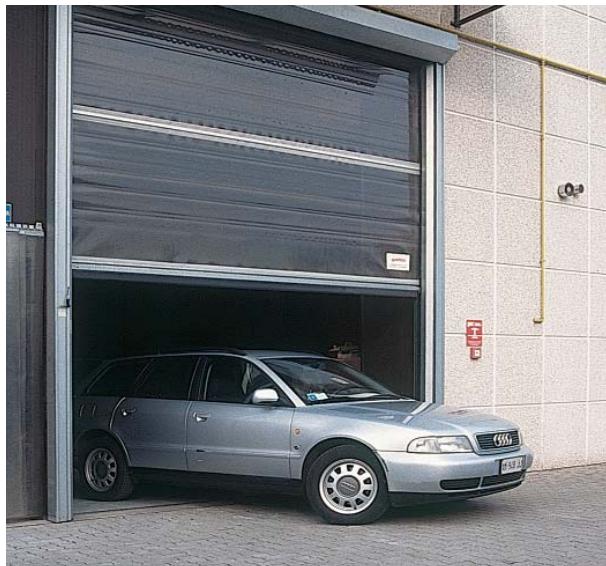


► Technical specifications

Power supply	400 V three-phase 50/60 Hz
Insulation rate	Class 1
Current	3 A
Power	900 W
Scale	1:6 reduction gear - 1:2.4 drive
Opening speed	0,9 m/s
Closing speed	0,9 m/s
Doorway PL x PH	Minimum = 1000x1700 Maximum = 6000x6000 (see curtain limitations in the pricelist)
Type of balancing	Modular counterweights
Type of curtain	Polyester fabric and transparent PVC panels, inserted into aluminium extrusions
Curtain thickness	Polyester fabric = 0.6 mm transparent PVC = 2 mm
Self-extinguishing class	Polyester fabric = class 2 transparent PVC = DIN 4102
Safety edge	CPA type: electropneumatic with pressure switch, CFA type: electronic with self-controlled photocell
Manual lock release	Handle with cord to start hold-to-run function
DITEC duty class	5 (very heavy)
Wind resistance	See graph
Automation operating temperature	-20°C ÷ +55°C
Curtain operating temperature	-5°C ÷ +50°C
Protection degree	IP 54
Control panel	Electronic

► Control panel functions

Model	QE 44E
Power supply	400 V three-phase 50/60 Hz
Motor output	1 - 400 V three-phase 50/60 Hz 8 A
Accessory output	24 V DC 0.5 A
Brake output	24 V DC
Flashing light	24 V DC 30 W
Opening control	
Closing control	
Automatic closing	
Safety stop	
Reverse safety	
Self-test function	
Temperature	-20°C ÷ +55°C
Protection degree	IP 55
Dimensions	230 x 120 x h 320



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Safety and control systems

- **RMM** - Microwave radar with function discrimination: vehicle – pedestrian crossing direction
- **TEL 2** - Remote control for RMM radar adjustment
- **BIX LP2** - Self-learning, two-channel mini radio remote control
- **BIX LP2P** - 433 MHz, two-channel, push-button remote control
- **LAB 9CS**
- **LAMP H** - 24 V flashing beacon
- **XEL 2** - Infra-red photocell for outdoor installation, general use
- **APS** - Automatic anti-panic system
- **INVERTER** - Electronic control panel with speed adjustment

Regulations

Use only DITEC accessories and safety devices for automation system installation.

DITEC actuators are CE-marked. They are designed and built in compliance with the safety requirements defined in the Machinery Directive (98/37/EC), Electromagnetic Compatibility Directive (89/336/EEC) and Low-Voltage Directive (73/23/EEC). DITEC S.p.A. reserves the right to make any changes whatsoever in order to upgrade its products.

Ditec products are constantly improved. As a consequence, technical data as listed in this leaflet are not to be considered binding. Further information can be found in our technical manuals, available on the website www.ditec.it



RMM



TEL 2



BIX LP2



BIX LP2P



LAB 9CS



LAMP H



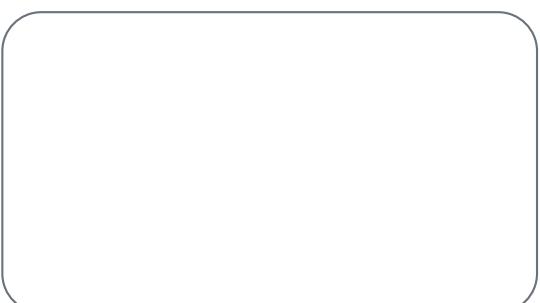
XEL 2



APS



INVERTER



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