



AUTOMATIC ENTRANCE SPECIALISTS

Sector
Roll-up doors with
interchangeable panels



Automatic industrial doors

CE

Sector

A perfect combination of functionality and performance

Entrances subject to heavy and continuous traffic require quick operating doors of compact design suitable for intensive use.

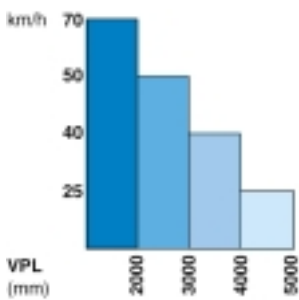
In addition to these characteristics, Sector quick roller doors feature an integral design in which the actuator, controls, safety devices and balancing systems are all built into one.

In addition to being very economical, Sector doors are structurally highly flexible with transparent or coloured interchangeable panels. This means that in case of accidental impact, the damaged panel can be easily replaced.

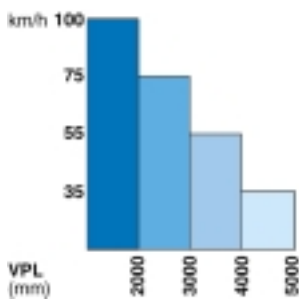
Sector doors feature the following characteristics:

- a **compact metal structure** built out of galvanized steel which may be powder coated in a wide range of standardized RAL colours or, alternatively, out of AISI 304 stainless steel with a fine satin finish;
- **space-saving** dimensions, especially in height, so as to facilitate installation even in restricted areas;
- a **self-supporting box** incorporating all drive mechanisms for easy door mounting on appropriate jamba;s;
- a metal-section **safety hip** which may be fitted with a pressure switch system or a self-controlled photo-cell device, featuring a special design for a good seal;
- an **automatic panic device** (optional) which, thanks to the action of counterweights, permits manual opening of the door in case of power failure;
- extra **wind resistance** of the standard door thanks to a number of reinforced panel bearing sections.

Wind resistance graphs



Sector with standard panels



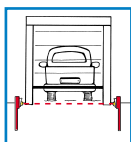
Sector with reinforced panels



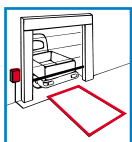
Control and safety systems



Flashing light



Infrared photocells



Magnetic coil detector



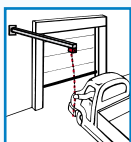
Radar



Radio-frequency transmitters and pushbuttons



Electric and pneumatic pushbuttons



Electric chain-mounted overhead pushbuttons



Traffic lights

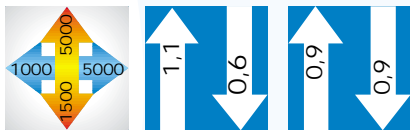
Sector

Maximum structural versatility is the hallmark of these rapid doors. According to requirements, flexible curtain panels can be combined with partially or wholly see-through ones so as to enhance visibility and safety.

Sector doors feature:

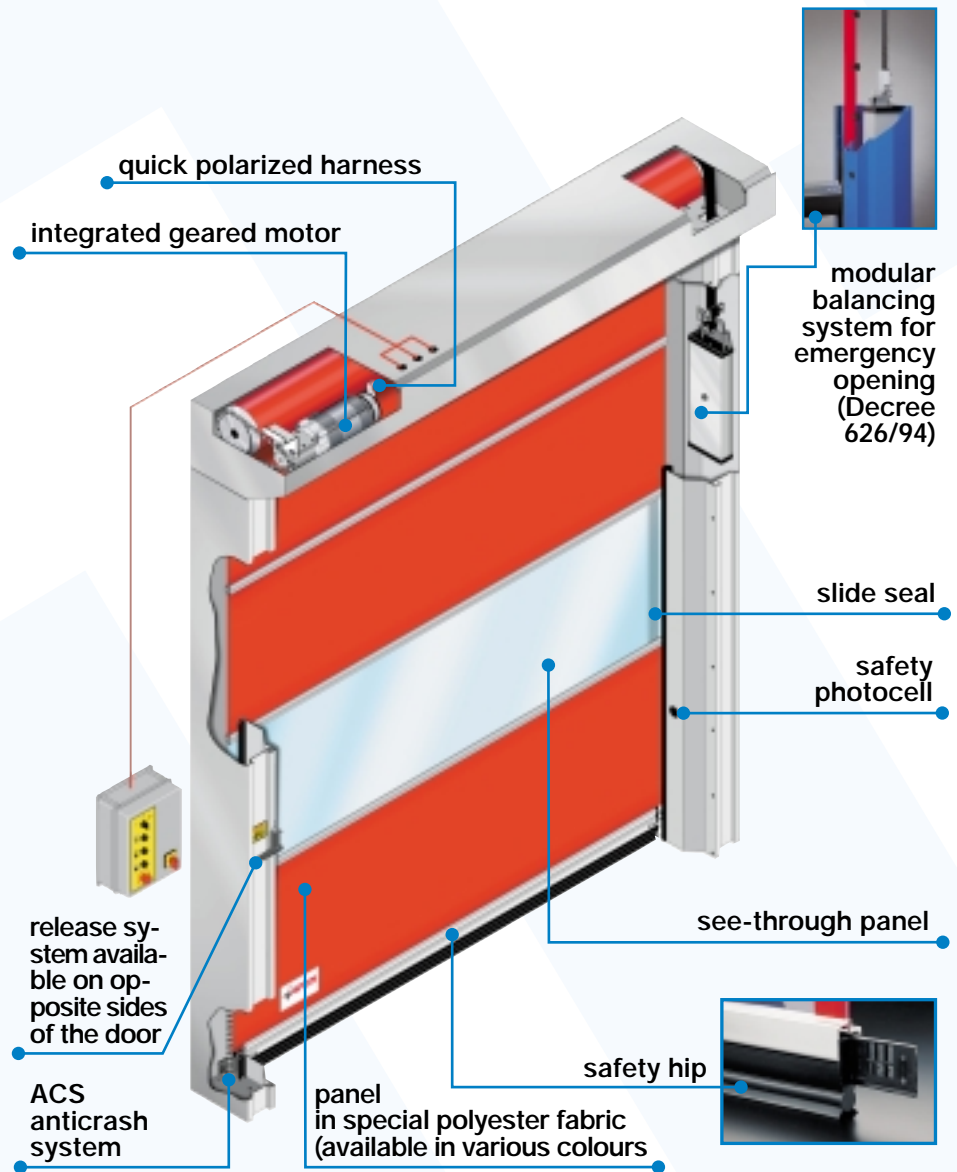
- **modular panels;**
- a reliable **modular counterweight balancing system** with sturdy traction belts for minimum motor-working load. The counterweights also ensure against **accidental door dropping** (as prescribed by Decree No. 626/94);
- a **safety edge** for immediate reversal of door movement with an **ACS anticrash system** fitted along the edge which, through special skid switch preset breaking load, prevent door and edge being damaged in case of accidental impact;
- an **outside control board built to IEC standards**, with self-test function and with the most advanced operating logic;
- an **emergency release**, available on both sides of the door, for disengaging the counterweight balancing system so as to permit manual re-opening of the door;
- **quick polarized wiring** for quick and correct electrical connections;
- a **three-phase actuator** for intensive use comprising motor, reduction gear, brake, limit switch and release in a single integrated module;
- a **dc motor** (optional) complete with batteries affording a number of advantages such as operating continuity in case of power failure, last opening/closing manoeuvre or emergency release as well as adjustable speed with acceleration and deceleration ramps.

Modular panels permits to vary door make-up as required and to replace worn or damaged panels.

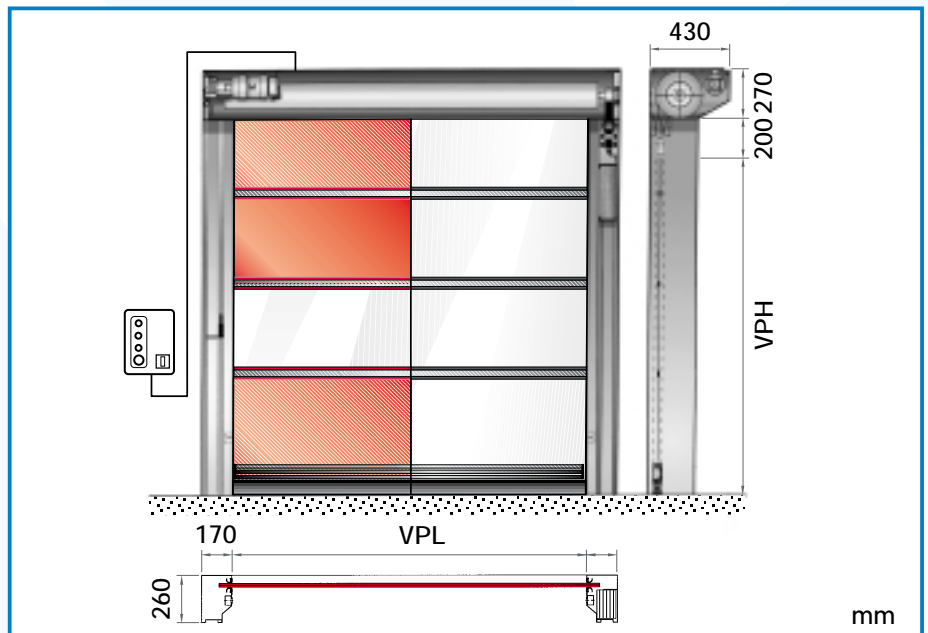
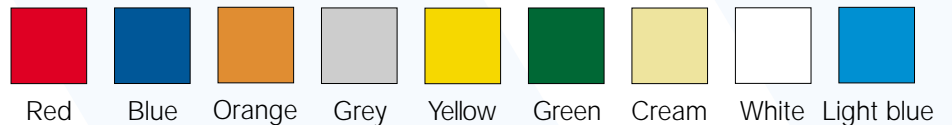


Standard dimensions (mm)

Opening and closing speed (m/sec)



Panels may come in the following colours:



Technical Features

Motor	Sector T1	Sector T1A	Sector H
max. passageway	5000 x H5000 mm	5000 x H5000 mm	5000 x H5000 mm
min. passageway	1000 x H1500 mm	1000 x H1500 mm	1000 x H1500 mm
standard power supply voltage	400 V, 50/60 Hz	400 V, 50/60 Hz	230 V, 50/60 Hz
power input	3 A	3 A	4 A
auxiliary control power voltage	24 V CC	24 V CC	24 V CC
motor rating	0,9 kW	0,9 kW	0,8 kW
control board with autotest	external	external	external
pushbutton panel (open/close/emergency stop)	✓	✓	✓
control board protection class	IP 55	IP 55	IP 55
max. opening speed	0.9 m/s	0.9 m/s	1.1 m/s
closing speed	0.9 m/s	0.9 m/s	0.6 m/s
blind or windowed panel material	polyester	polyester	polyester
blind or windowed panel thickness	0.6 mm	0.6 mm	0.6 mm
polyester self-extinguishing class	class 2	classe 2	classe 2
see-through or windowed panel material	pvc	pvc	pvc
see-through or windowed panel thickness	2 mm	2 mm	2 mm
see-through panel self-extinguishing grade	DIN 4102	DIN 4102	DIN 4102
counterbalancing system	modular counterweights	modular counterweights	modular counterweights
tensioning system	gravitational	gravitational	gravitational
wind resistance	see graph	see graph	see graph
operating temperature	-5 to + 50 °C	-5 to + 50 °C	-5 to + 50 °C
emergency re-opening	semiautomatic	semiautomatic	semiautomatic/automatic
automatic panic device	—	✓	with batteries
ACS anti-crash system	✓	✓	✓
box coating	✓	✓	✓
safety hip with internal wiring	✓	✓	✓

Note: Motors: standard **T1** (400Vac, three-phase, 1 speed); **T1A** with panic device (400Vac, three-phase, 1 speed); **H** with batteries (230Vac, dc motor, 2 speeds)

Options	Sector	Sector INOX
Release handle on the second side	✓	✓
Key-selector on the pushbutton panel	✓	✓
Logic interlock for double door	✓	✓
24V Flashing light	✓	✓
Additional photocell built into the jambs	✓	✓

Reference Standards

All DITEC automation systems are CE-listed and designed and built in compliance with applicable safety requirements as set out in Machinery Directive 89/392/CEE, Electromagnetic Compatibility Directive 89/336/CEE and Low-Tension Directive 73/23/CEE.

DITEC S.p.A. reserves the right to make any modifications it deems fit and opportune for product improvement without prior notice.

DITEC S.p.A.

Via Mons. Banfi, 3
21042 Caronno P.Ia (VA) Italy
Tel. 02/963911 - Fax 02/9650314
www.ditec.it

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