



AUTOMATIC ENTRANCE SPECIALISTS

Stratos
Fast door with
interchangeable sections



WORLD
FIRST: ALSO IN
ASSEMBLY KIT
PATENTED



Automatic industrial doors

CE

Stratos

A ground-breaking solution, highly flexible, suitable for a range of different applications.

Stratos doors, designed to the latest highly-rational and modular concepts, represent the **biggest technological breakthrough in the field of industrial entrances**. Besides being able to withstand frequent transit, they feature a smart-looking highly-compact and safe integrated structure which protects and houses the motor, the control and safety devices and the counterbalancing system.

Only **Stratos** offers the following features:

- **integrated aluminium structure**
- **minimal overall dimensions**
- **absolute modularity** able to adapt to frame dimensions up to 4x H 4.5 m
- **numerous section variations** which, besides permitting customised colour and transparency matches, also make it possible to replace any section damaged by accidental knocks while passing through the door.

IMPORTANT: The entire door has very small overall dimensions so that it can be installed even where big space problems exist.

The Stratos doors also provide the following features:

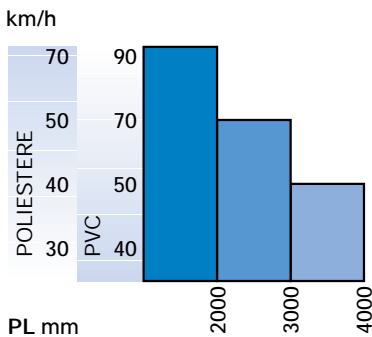
- an **upper drive and balancing unit** positioned on vertical uprights, with optional electro-galvanised steel plating containing, according to the door model: aluminium fabric winding shaft, torsion counterbalancing spring with adequate winding system, an **exclusive** compact tubular gearmotor, rotation stop and release device.
- **two vertical uprights, in anodised aluminium profile sections**, featuring specific seals, natural colour, with very compact dimensions – **100 x 100 mm**
- and easy to inspect, containing cables, cable chain and safety photocells.
- a **sensitive safety cord** fitted on

an aluminium profile, equipped with a special rubber winged profile ensuring perfect retention and immediate reversal of direction of movement in the case of any obstacle being encountered.

- an **emergency cable "deadman" release device** which, in the case of a power break, frees the counterbalancing effect of the spring for as long as the handle is gripped, thereby permitting the partial semiautomatic opening of the fabric.
- **high wind resistance** thanks to the short distance between the section retention profiles.



Wind-resistance graphs

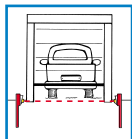


Graph identifies wind-resistance of doors with PVC or polyester sections.

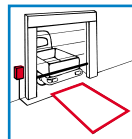
Control and safety systems



Flashing light



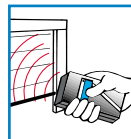
Infrared photocells



Magnetic loop detector



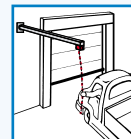
Radar



Pocket and push buttons radio transmitters



Electric and pneumatic push buttons



Chain-operated electrical switches

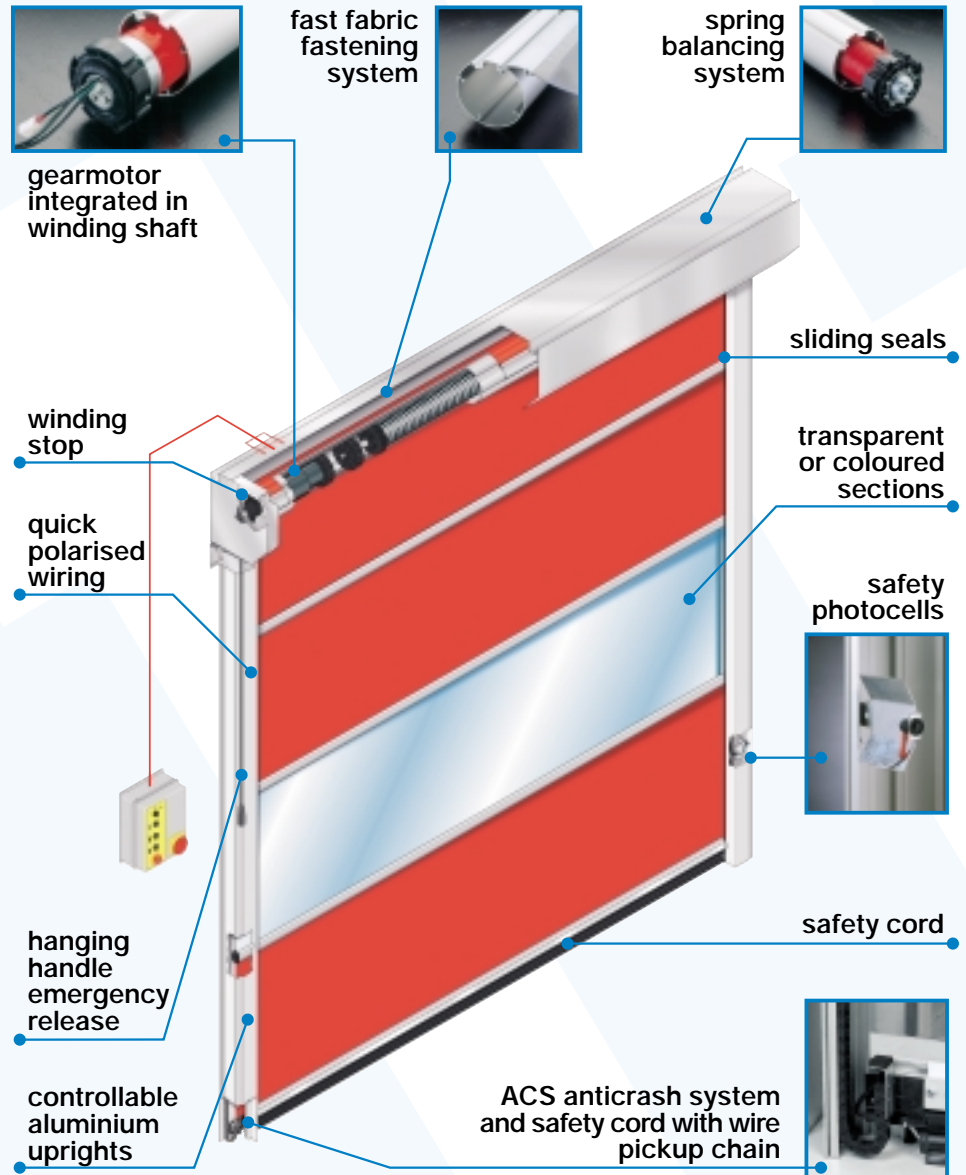


Traffic lights

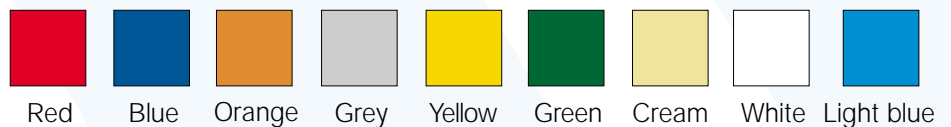
Stratos

The STRATOS door has:

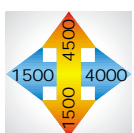
- **modular fabrics sections**, entirely in transparent self extinguishing PVC, or associated with coloured polyester sections.
- a reliable **torsion spring balancing system** that permits minimum load operation and acts as a safety device, preventing the fabric from falling
- **tubular 400V three-phase motor drive**, for heavy-duty service, incorporated in the fabric winding shaft.
- **external control panel**, IEC standard, featuring autotest and state-of-the-art operating logics
- **ACS anticrash system**, fitted at the end of the safety cord. Thanks to special runners, with preset breakage load, this protects the fabric and cord itself from damage in case of accidental knocks.
- **Infra-red ray photocells**, positioned inside the uprights, to ensure maximum safety conditions when passing through the door.
- **quick polarised wiring** to ensure quick fast and correct power connections
- **total installation flexibility**, together with extreme operating safety.



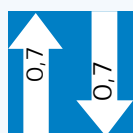
The curtain is available in the following colours:



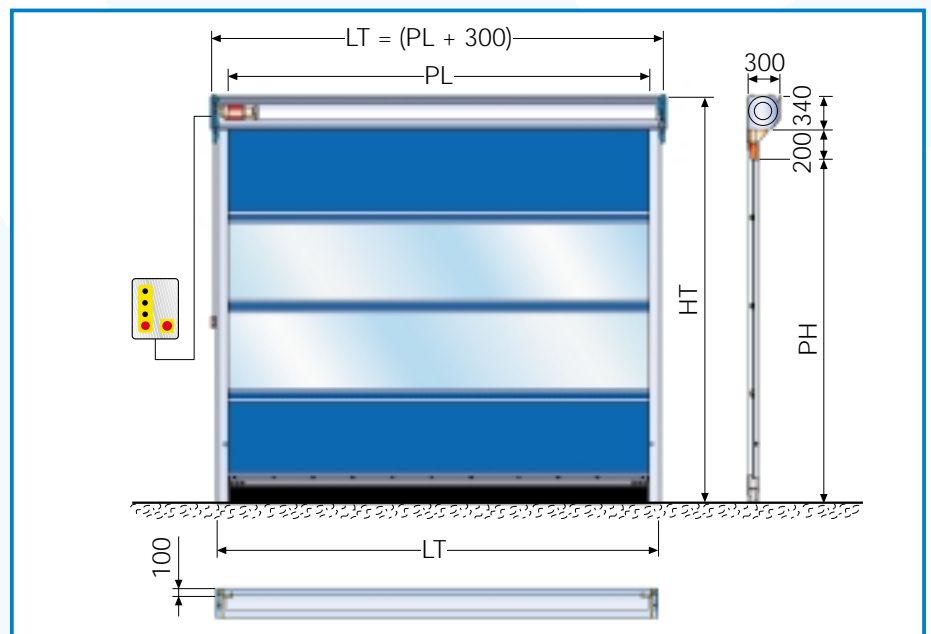
The **modularity of the fabric** allows fitting coloured sections and transparencies in accordance with subsequent needs and easily replacing any worn sections or sections damaged by accidental knocks.



Available dimensions (mm)



Opening -closing speed (m/s)



Technical features

Model:	Stratos
max transit dimensions	4000 x H4500 mm
min transit dimensions	1500 x H1500 mm
standard power voltage	400 V, 50/60 Hz
system absorption	3 A
auxiliary controls power supply	24 V =
number of gearmotors	1
motor power	0,8 kW
control panel with autotest	external
open/close/emergency stop push-button panel	✓
partial opening	✓
panel insulation standard	IP 55
opening and closing speed	0,7 m/s
transparent window material	PVC
transparent window thickness	2 mm
transparent section self-extinguishing standard	DIN 4102
blind section fabric material	polyester
blind section fabric thickness	0,6 mm
blind section self-extinguishing standard	class 2
balancing type	torsion spring°
tensioning type	gravitational
wind resistance	see graph
operating temperature	-5 +50 °C
emergency re-opening	semiautomatic or manual*
anti-crash system	✓
box lining	electro-galvanised steel
safety cord with internal wire	✓
service class	intensive

° depending on model

* with "deadman" release mechanism, with hanging handle or manual crank (depending on model)

Available optionals	Stratos
Logic interlock for bush	✓
Flasher 24 V	✓
Supplementary photocell incorporated in uprights	✓
Manual reopening system by handle	✓

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.

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