

Traffic

high-speed fold-up door
with modular sections



Sturdy, dependable and modular...the ideal solution for medium and large entrances

Fast-moving, functional and reliable doors are what is needed in industrial and commercial contexts. Traffic high-speed fold-up doors, are versatile and solid, ensuring long-lasting reliability.

The modular structure of the curtains, assembled and joined by anodized aluminium extrusions, provides for a wide range of polyester sections available in a variety of colours.

Wide, full-width window panels ensure a safer traffic and allow more light in.

Their fast and easy replacement, in case of accidental tearing, will save money and time.

The alternating metal tubular structures there inserted ensure Traffic high wind-resistance.

Motorization, control and safety systems, and modular counterweight balancing systems are housed in the crosspiece and in the vertical uprights of the exclusive, integrated structure, engineered to withstand atmospheric agents.

Traffic doors are the ideal solution for external entrances and effectively operate in any situation, even when strong winds are blowing, in rooms with high depression conditions or in areas with high volume traffic.

Sturdy and dependable, traffic is the intelligent door for medium and large entrances.

Functional and cost-effective

Versatile, with modular panels.

Traffic is composed of a flexible curtain with modular sections inserted in rugged, metal tubular structures.

Curtain modularity allows for various arrangement either to suit different applications, or replace possible tearing or damage due to accidental crashes.

Traffic shows great versatility in that it can be realized by joining flexible, blind sections with one or more wide transparent PVC ones. Curtains are available in their standard versions as well as in their strengthened one, according to different wind-resistance requirements.

Easy and quick installation

The crosspiece, mounted over the sturdy uprights, makes the installation of the door easier. All transmission mechanisms are housed and shielded there.

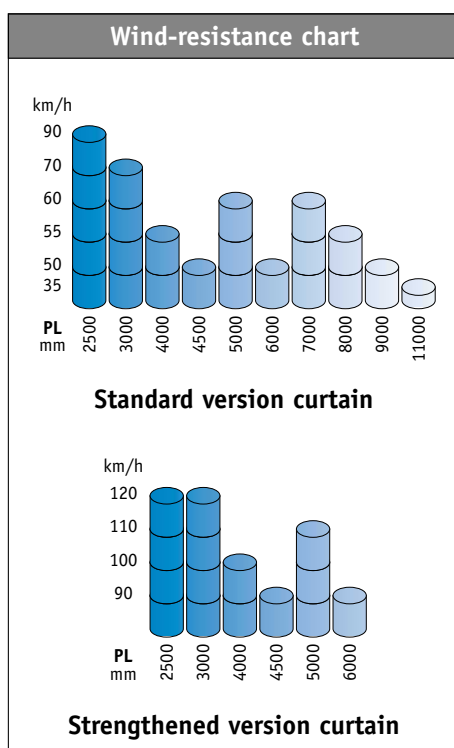
Quick polarized wiring ensures quick and accurate electric connections.

High safety and reliability

Traffic sturdy, integrated structure can withstand extremely heavy workloads.

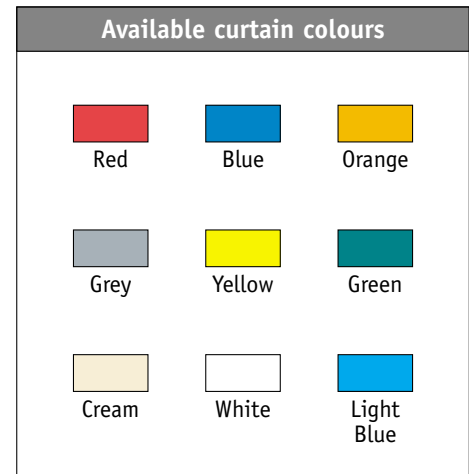
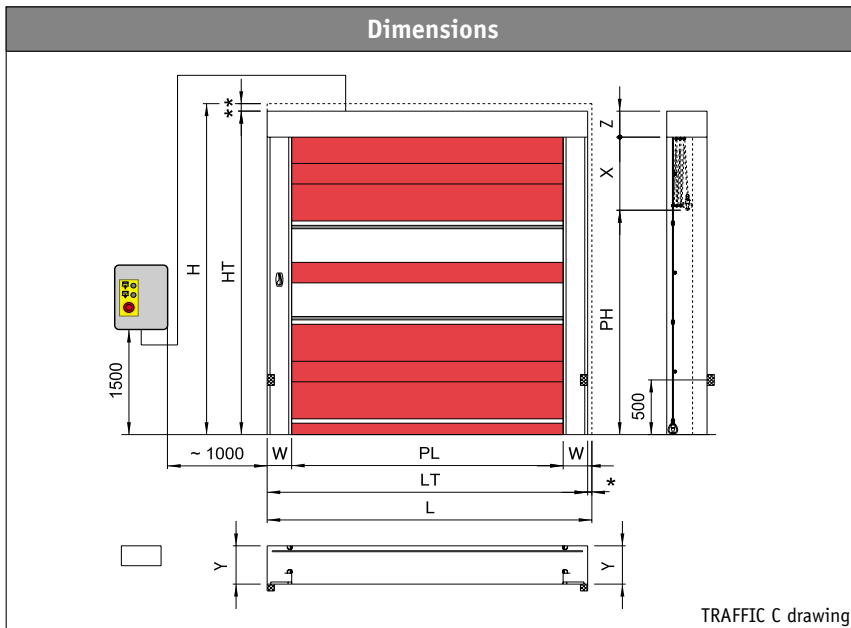
Its infra-red **photocells**, located on the uprights, ensure high safety standards.

On the **safety edge**, a self-controlled photocell device or a pressure-switch, electropneumatic system can be installed to activate the immediate reverse of the curtain movement in case of contact with an obstacle. It is provided in aluminium extrusion with a rubber ledge and this is the standard version also suitable for all other DITEC doors.



The modular **counterweight balancing system** with strong traction belts, enables the motor to work with minimum working stress. Moreover, the counterweights ensure the curtain safety hold back.

The **emergency lock release**, available on both sides of the door, provides for semi-automatic re-opening of the curtain by releasing the counterweight system.



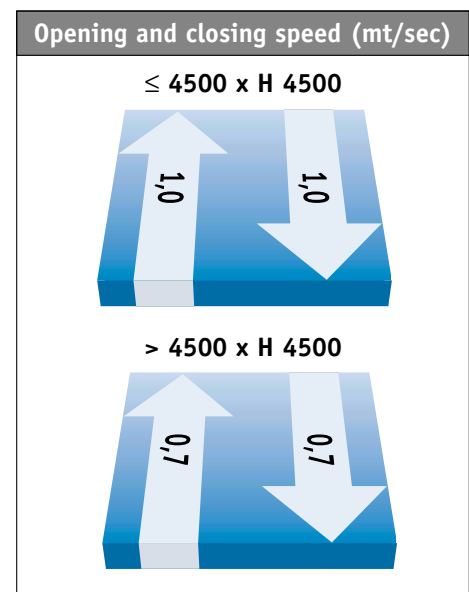
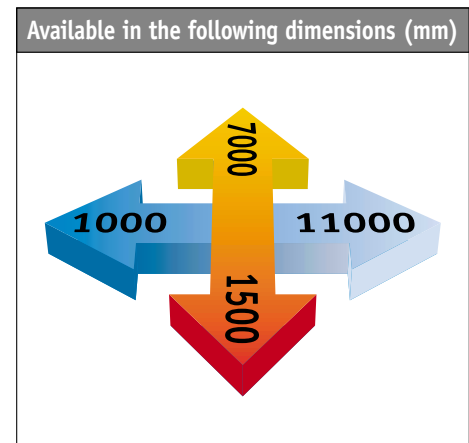
▶ Technical specifications

	Traffic C	Traffic CM
Max. clear way	6000 x H5500 mm	11000 x H7000 mm
Min. clear way	1000 x H1500 mm	1500 x H2710 mm
Standard power supply	400 V, 50/60 Hz	400 V, 50/60 Hz
Current	4 A	6 A*
Accessories power supply	24V DC	24V DC
Number of gearmotors	1	1*
Power	0.9 kW	1.5 kW
Self-test control panel	external	external
Opening/closing/emergency stop button station	//	//
Partial opening	//	//
Control panel protection degree	IP 55	IP 55
Opening/closing speed	up to 4500 x H4500: 1.0 mt/sec over 4500 x H4500: 0.7 mt/sec	0.7 mt/sec
Blind sections fabric	polyester	polyester
Weight	650 gr/square mt	650 gr/square mt
Indicatory thickness	0.6 mm	0.6 mm
Self-extinguishing rate	class 2	class 2
Transparent window panels fabric	PVC	PVC
Thickness	2 mm	1 mm
Self-extinguishing rate	DIN 4102	DIN 4102
Balancing	modular counterweights	modular counterweights
Tensioning	gravitational	gravitational
Wind resistance	see charts	see charts
Operation temperature	-5 / +50°C	-5 / +50°C
Emergency re-opening	semi-automatic	semi-automatic

* When doors have PL over 7000mm and PH over 4500 mm two gearmotors are applied, consequent current and power are 9 A and 3kW

Available optional	Traffic C
APS – antipanic system	//
Perimeter sealing brushes	//
Emergency additional lock release system	//
Crosspiece lower cover	//

Version	TRAFFIC C		TRAFFIC CM		
	PH	W	Y	Z	X
	≤4500	≤5500	≤4500	≤6000	7000
	170	170	220	220	220
	280	280	380	380	380
	190	190	200	200	200
	700	750	600	750	850



Sturdy and long-lasting

Traffic sturdy and solid metal structure in galvanized steel is available in a variety of standard RAL colours or in satin finish AISI 304 stainless steel (dim. Up to 4500 x H 4500 mm).

The **flexible curtain**, in special class 2 self-extinguishing polyester fabric, is available in a variety of colours. It ensures effective protection against cold, heat, dust, noise and high resistance to wind pressure (standard version withstand wind pressure up to 90 km/h, strengthened version up to 120 km/h).

Intelligent

Traffic control panel with microprocessor technology is in compliance with IEC regulations and can manage the automation system and safety devices. It is fitted to work with more advanced control systems and it is provided with self-test function for safety systems.

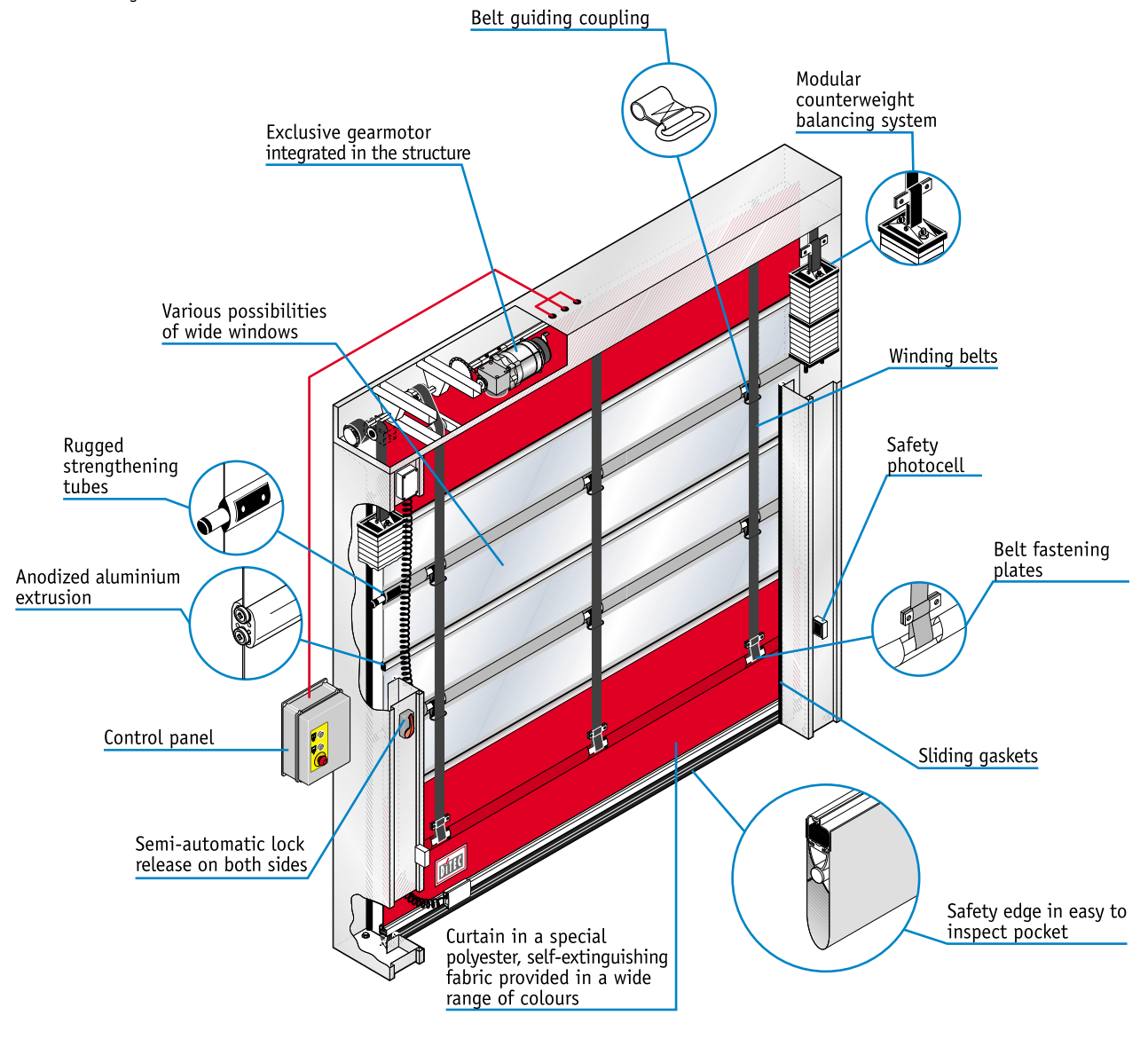
Perimeter brushes (optional) improve door tightness and resistance to atmospheric agents.

Traffic CM

Traffic CM is a reliable and solid door, suitable for very large outside entrances. It features high sturdiness and wind resistance. The version provided is with a monobloc curtain and transparent window panels for visibility.



TRAFFIC C drawing





Specification summary

Traffic – high-speed fold-up door with modular interchangeable sections and counterweights consists in:

Galvanized steel, self-supporting, solid metal structure, integrated and easy to inspect, with built-in gearmotor – brake – limit switches – lock release, all in one single and exclusive module using three-phase 400 V power supply.

Opening/closing speed 1 mt/sec (0.7 mt/sec up to PL 4500 mm).

Control panel, with microprocessor technology, self-test function and adjustable timing; opening/closing control push-button station with emergency stop button.

Semi-automatic lock release with safety function for fast and easy emergency re-opening of the door through the modular counterweight balancing system.

Infra-red safety photocells fitted with special outside galvanized metal housing.

Flexible curtain with all-width interchangeable modular sections in a special polyester fabric and/or transparent PVC.

It alternates all-width anodized-aluminium extrusion profiles, containing interchangeable flexible sections, and strong wind resistant galvanized-steel tubular structures, inserted in special all-width pockets.

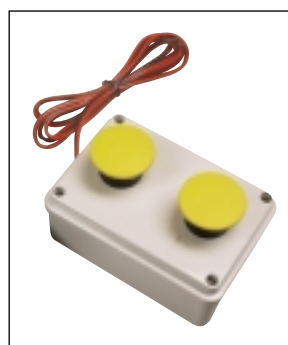
Quick reverse safety edge with rubber ledge.

Optional versions in satin finish AISI 304 stainless steel or baked-on epoxide powder coating provided in a variety of RAL colours.

The flexible monobloc curtain is used only for Traffic CM version.

Safety and control accessories

- ▶ Radar with remote controlled adjustment
- ▶ Magnetic loop detector
- ▶ Radio frequency transmitters and buttons
- ▶ Palm transmitter
- ▶ APS – automatic antipanic system
- ▶ Infra-red photocells
- ▶ Semi-automatic lock release
- ▶ Flashing light
- ▶ Traffic light
- ▶ Pneumatic and electric buttons

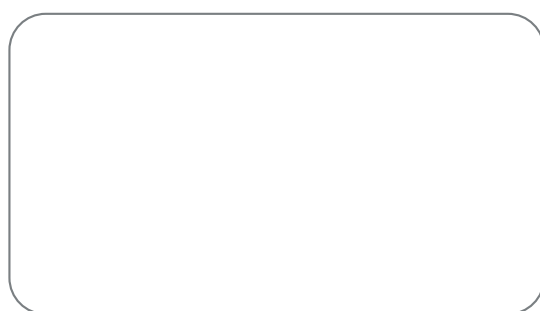


Regulations

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

DITEC actuators are designed and built in compliance with the safety requirements defined in the Machinery Directive (98/37/CE), Electromagnetic Compatibility Directive (89/336/CEE) and Low-Voltage Directive (73/23/CEE).

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 technical manuals, available on the website www.ditec.it



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