



Flash

High-speed roll-up door



Flash series

Functional, reliable and safe. More light inside.

Flash high-speed doors are efficient and safe and thanks to their big transparent curtains allow more light in.

Rugged and compact, also in stainless galvanized steel

Its compact, metal structure is available also in galvanized steel, satin finish AISI 304 stainless steel or in painted galvanized steel choosing from a variety of RAL colours.

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. As an exclusive DITEC characteristic, the transom incorporates and protects all motor and transmission gears.

Attractive exterior intelligent details

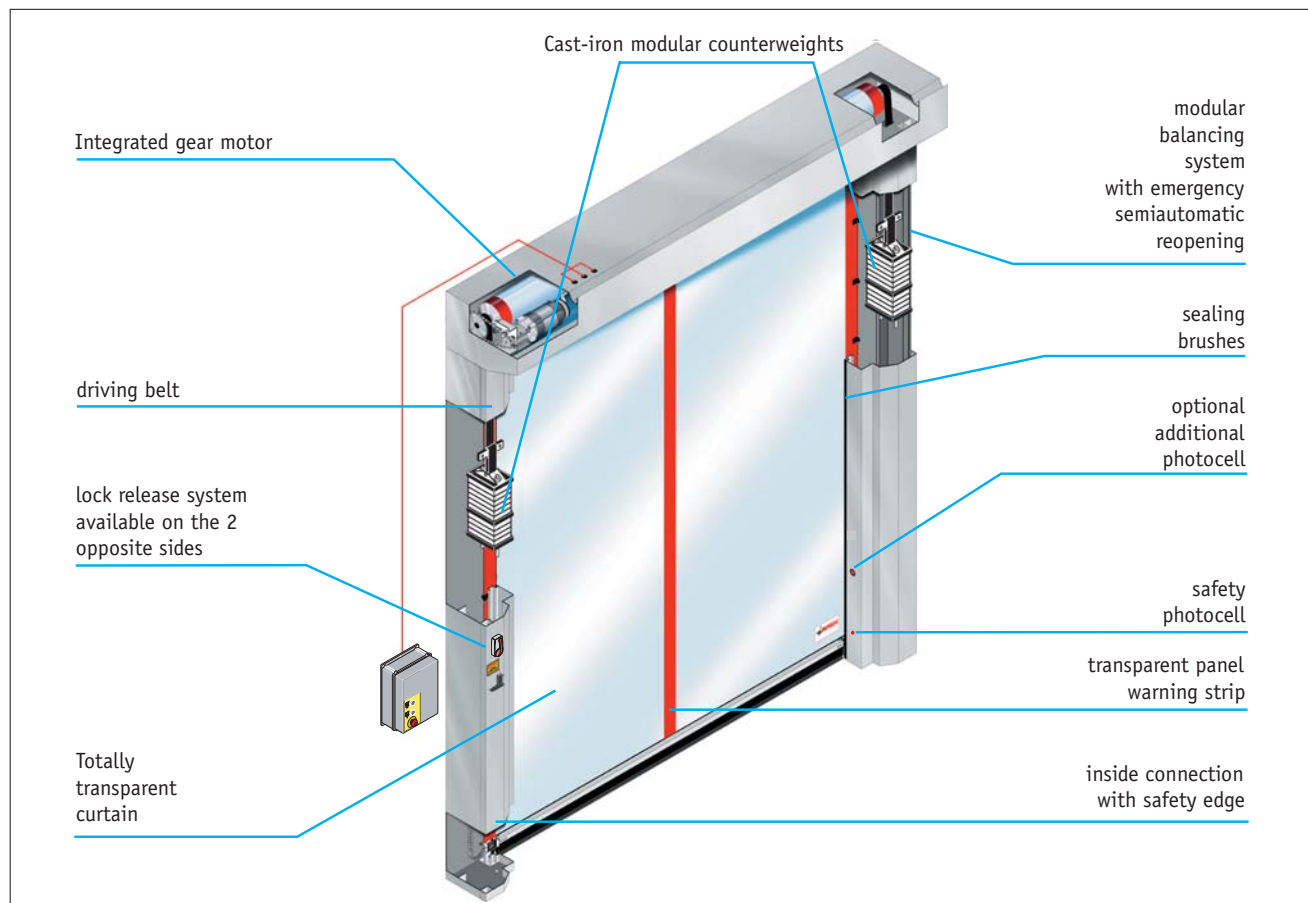
Its jut-free metal structure gives the door a captivating clean style. A couple of sealing brushes, applied onto the side uprights, prevent any outside material, dust or water sprays from getting in.

Electric connection between safety edge and electric control panel is protected by a special cable-holding chain, inside the vertical uprights.

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 of gear motor with brake, limit switch and lock release, integrated in an exclusive module (exclusive and original DITEC characteristic). Flash doors are provided with safety edge with ACS (Anti-crash System), which protects the curtain and the edge from accidental crashes, by reversing direction in the event of obstacle detection.



Flash CS

Functional and multi-purpose

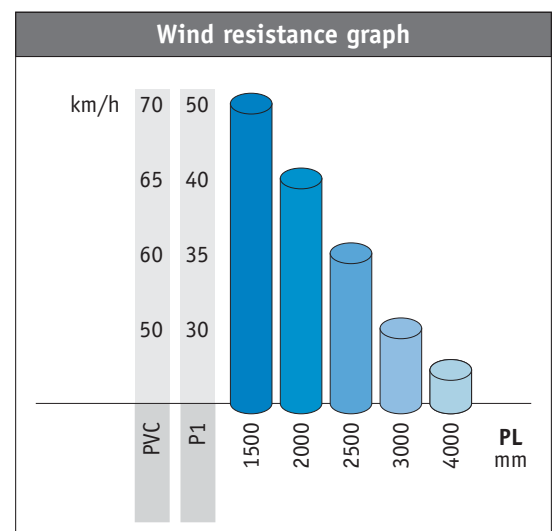
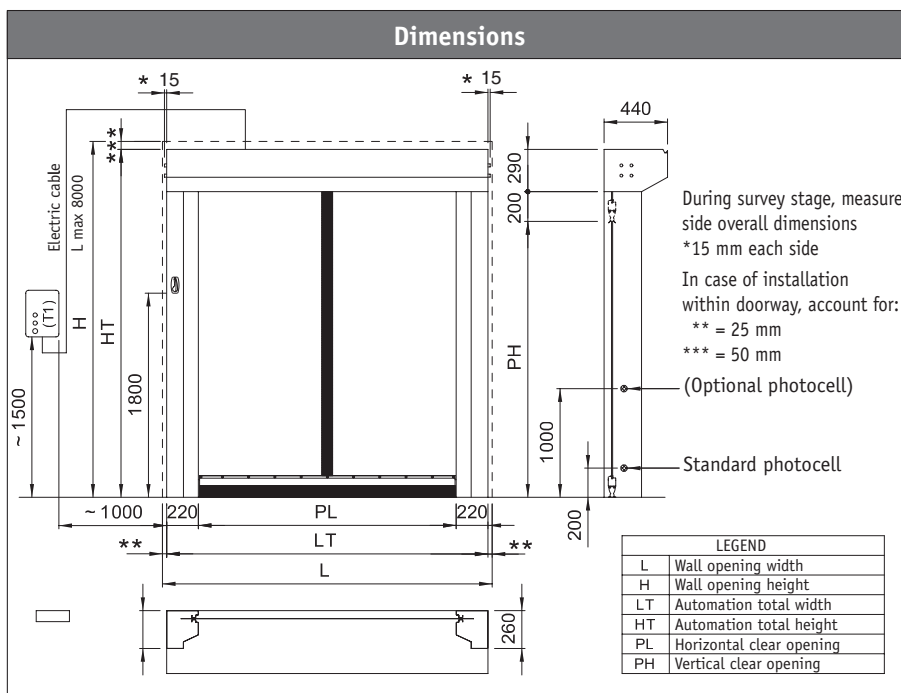
Flash CS technical features are exactly the same as those of the C version, with the exception of the curtain, which can be provided in PVC or polyester, and of the electronic control panel, which is built in the metal structure (T2, T2Y).

Technical features of the curtain

- ▶ Curtain-holding side sliding shoes fixed on special strengthening edges.
- ▶ Max. wind resistance: 70 km/h.
- ▶ Flexible curtain in (DIN 4102) self-extinguishing material:
 - P1: class 2 polyester with 1 window panel;
 - PVC: fully transparent, PVC panel with central, red, polyester warning strip.

Main technical features

- ▶ Structure in (T1, T2) galvanized steel or (T1Y, T2Y) 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, available in the following versions:
 - T1, T1Y opening/closing speed at 0.9 m/s – external electronic control panel;
 - T2, T2Y opening speed 1.4 m/s - closing speed at 0.7 m/s – electronic control panel inside transom.
- ▶ IP 55 electronic control panel, with open-close-emergency stop button station, positioned on the left vertical upright in T2, T2Y versions); self-test function.
- ▶ Modular counterweight balancing system.
- ▶ Emergency lock release semiautomatic mechanism.
- ▶ Safety edge in aluminium extrusion anodized with ACS Anti-crash System available in the following versions:
 - CPA electropneumatic with pressure switch;
 - CFA electronic with self-controlled photocell.



Flash C

High seal and reliability

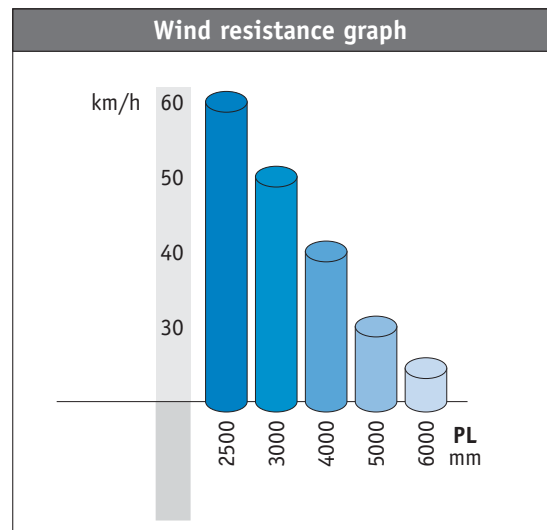
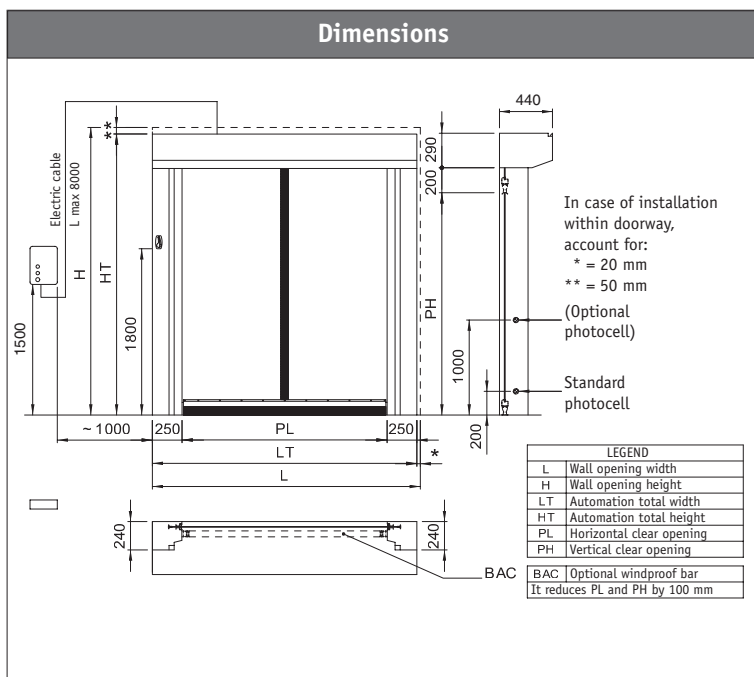
Flash C is a highly professional and reliable door which perfectly fits any industrial or commercial context. This model is provided with a high-resistance, long-lasting, self-extinguishing, flexible and totally transparent PVC curtain, with a vertical, transparency-warning, red strip placed in the middle. It effectively protects inside rooms from cold, heat, dust, humidity and noise (DIN 52210).

Technical features of the curtain

- ▶ Curtain-holding side sliding shoes fixed on special strengthening edges.
- ▶ Max. wind resistance: 60 km/h (see graph).
- ▶ Flexible curtain in (DIN 4102) self-extinguishing material:
 - PVC: fully transparent, PVC panel with central, red, polyester warning strip (double with PL > 4200 mm);
 - MIX: grey PVC skirting and transparent upper part.

Main technical features

- ▶ Metal structure in (T2, T2M) galvanized steel or (T2Y, T2MY) satin-finish AISI 304 stainless steel, which integrates driving unit, fast wiring, sealing brushes and safety photocells.
- ▶ RAL, additional charge for epoxide powder coating with smooth finish.
- ▶ 400 V three-phase motor for heavy duty, available in the following versions:
 - T2, T2Y opening speed at 1.0 m/s – closing speed at 0.5 m/s;
 - T2M, T2MY opening speed 1.4 m/s – closing speed at 0.7 m/s.
- ▶ IP55 electronic control panel, positioned inside the transom.
- ▶ Emergency stop/open/close push-button-station positioned inside the left vertical upright.
- ▶ Modular counterweight balancing system.
- ▶ Emergency reopening semiautomatic mechanism.
- ▶ Safety edge in aluminium extrusion anodized with ACS Anti-crash System available in the following versions:
 - CPA electropneumatic with pressure switch;
 - CFA electronic with self-controlled photocell.



▶ Technical specifications

	FLASH CS	FLASH C
Power supply	400 V three-phase 50/60 Hz	400 V three-phase 50/60 Hz (for T2, T2M versions)
Insulation rate	Class 1	Class 1
Current	3 A (for T1-T1Y version) 4 A (for T2-T2Y version)	4 A (for T2 version) 5 A (for T2M version)
Power	900 W (for T1-T1Y version) 700 W and 1500 W (for T2-T2Y version)	700 W and 1500 W (for T2 version) 450 W and 600 W (for T2M version)
Scale	1:6 reduction gear - 1:2.4 drive (for T1-T1Y) 1:6 reduction gear - 1:2.8 drive (for T2-T2Y)	1:6 reduction gear - 1:4 drive (for T2 version) 1:5,4 reduction gear - 1:3.33 drive (for T2M versions)
Opening speed	0,9 m/s (for T1-T1Y version) 1,4 m/s (for T2-T2Y version)	1,0 m/s (for T2 version) 1,4 m/s (for T2M version)
Closing speed	0,9 m/s (for T1-T1Y version) 0,7 m/s (for T2-T2Y version)	0,5 m/s (for T2 version) 0,7 m/s (for T2M version)
Doorway PL x PH	Min. = 1000x1700, max. = 4000x4000 (for PVC curtains) Min. = 1000x1700, max. = 3000x3500 (for P1 curtains) (see pricelist for dimensions)	Min. = 1000x1500, max. = 5000x5000 (see pricelist for dimensions)
Type of balancing	Cast iron, modular counterweights	Galvanized sheet modular counterweights
Type of curtain	A) Transparent PVC panels with central, red, warning strip B) P1 polyester fabric with central window in transparent PVC	Transparent PVC with central, red, warning strip, available in the following versions: grey PVC mix, three, or blind
Curtain thickness	A) Transparent PVC = 3mm B) P1 polyester fabric = 0.75 mm PVC window = 1 mm	Transparent and grey PVC = 3 mm
Self-extinguishing class	A) Transparent PVC = DIN 4102 B) P1 polyester fabric = class 2 PVC window = DIN 4102	Transparent and grey PVC = DIN 4102
Safety edge	CPA type: electropneumatic with pressure switch, CFA type: electronic with self-controlled photocell	CPA type: electropneumatic with pressure switch CFA type: electronic with self-controlled photocell
Manual lock release	By cord to start hold-to-run function	By cord to start hold-to-run function
DITEC duty class	5 (very heavy)	5 (very heavy)
Wind resistance	See pricelist graph	See pricelist graph
Automation operating temperature	-20°C ÷ +55°C	-20°C ÷ +55°C
Curtain operating temperature	-5°C ÷ +50°C	-5°C ÷ +50°C
Protection degree	IP 54	IP 54
Control panel	Electronic	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



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



RMM



TEL 2



BIX LP2



BIX LP2P

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



LAB 9CS



LAMP H



XEL 2



APS



INVERTER



DITEC S.p.A.
Via Mons. Banfi, 3 - 21042 Caronno Pertusella (VA) - ITALY
Tel. +39 02 963911 - Fax +39 02 9650314
www.ditec.it - ditec@ditecva.com



ISO 9001
Cert. n° 0957/1

DITEC BELGIUM
DITEC DEUTSCHLAND
DITEC FRANCE
DITEC SVIZZERA
DITEC AMERICA

LOKEREN
OBERURSEL
PALAISEAU
BALERNA
ORLANDO-FLORIDA-USA

Tel. +32 9 3560051
Tel. +49 6171914150
Tel. +33 1 64532860
Tel. +41 91 6463339
Tel. +1 407 8880699

Fax +32 9 3560052
Fax +49 61719141555
Fax +33 1 64532861
Fax +41 91 6466127
Fax +1 407 8882237

www.ditecbelgium.be
www.ditec-germany.de
www.ditec.fr
www.ditecswiss.ch
www.ditecamerica.com