



Volo

Reduced-Height Automation for
Curved Wing Sliding Doors



▶ No limits for architects and designers' creativity

Designing commercial buildings with high-tech frontages is widely becoming more popular. Automatic doors must conform to both quality and aesthetic requirements to seamlessly blend into high-tech buildings. Volo is the new, reduced-height DITEC automation for curved sliding automatic doors, specifically designed to fulfil modern architectural requirements.

With Volo, architects and designers can design "ad hoc" curved automatic doors to fully and effectively integrate the project in the existing building.

The elegance of the curved wing, together with DITEC automation quiet and smooth operation, give the entrance a touch of elegance and quality. Hotels, restaurants, companies and prestigious buildings are the perfect applications for this top quality automation.

▶ Quiet and reliable

Volo automation boasts reliability, ensured by its electro-mechanical components, quiet operation, ensured by its synthetic drive belt and nylon wheels, and safety, ensured by its microprocessor based electronic control panel. The automation easily adjusts to the passageway by using all available space.

Volo is supplied complete with safety, control and monitoring accessories which comply with all current standards.



▶ Distinctive Features

- ▶ Automation height: **only 10 cm or 18 cm for large sizes**
- ▶ Tried and tested, reliable components, already used on other Bis and Ten DITEC automations
- ▶ Can be matched both to Pam 30 DITEC profiles or to any type of wing
- ▶ Very quiet operation ensured by its drive belts and nylon wheel rollers which move the wings
- ▶ Optional redundant automation
- ▶ TÜV certified
- ▶ Max automation curve angle 240°



▶ Technical Specifications

	VOLO
Description	Automation for curved sliding doors
Capacity	160 kg (double wing)
Duty Class	5 - very heavy
Intermittent Operation	S3 = 100%
Power Supply	230 V~ / 50-60 Hz
Input	1 A
Maximum Opening Speed	1.6 m/s (double wing)
Maximum Closing Speed	1.6 m/s (double wing)
Release System for manual opening	✓ Handle
Operating Temperature	-20°C / +55°C (+5°C / +40°C with batteries)
Protection Rating	IP 20 IP 24 (with cover)
Automation Dimensions	300x180xL
Standard Radius	min. 900 - max. 2000 mm
Max Usable Radius	20 m
Max Usable Angle	240°
Automation Arc	min. 2000 - max. 6000 mm
Standard Net Height	2200 mm
Max Net Height	2700 mm















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▶ Functions

CONTROL PANEL	EL16V
Batteries (ensure gate operation in the event of power cuts)	 (optional)
No. of Motors	1
Motor Power Supply	24 V= / 8 A
Accessories Power Supply	24 V= / 0.5 A
Electrically Operated Lock Power Supply	24 V= / 1 A
Encoder (controls speed and deceleration)	
Force Adjustment Control	Electronic
ODS - Obstruction detection system (causes the gate to stop or reverses operation when an obstruction is detected)	
Opening Speed adjustment	
Closing Speed adjustment	
Braking/slowdown control (ensures best approach)	
Open Control	
Partly Open Control	
Close Control	
Automatic Timed Close control	
Stop Safety Device	
Reverse Operation Safety Device	

▶ Standards

The system has been manufactured by using only DITEC manufactured accessories and safety devices.

All DITEC automations are affixed with the CE mark and are designed and manufactured in compliance with the Machinery Directive (98/37/EC), the Electromagnetic Compatibility Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC).

DITEC S.p.A. operates a policy of continuous development and reserves the right to make changes and improvements to their products.

The technical data contained within this document is therefore not binding. Further information can be found in our on-line technical manuals at:
www.ditec.it



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ISO 9001
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