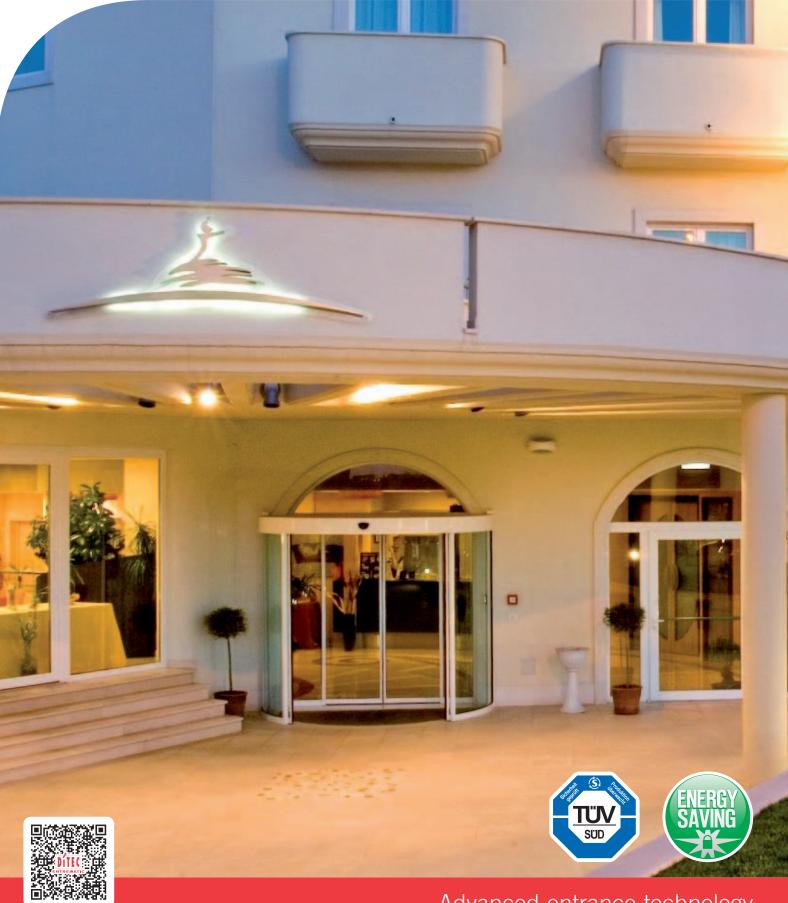
Volo, Onda

ENG

Automation for curved sliding doors





Freedom to create for architects and designers

Designing buildings with high-tech frontages is becoming increasingly widespread. Clearly, automatic doors must meet both quality and aesthetic requirements, to integrate seamlessly into these high-tech structures.

Volo is the new, reduced-height automation from DITEC for curved sliding automatic doors, specially designed to fulfil the latest architectural requirements.

With Volo and Onda, architects and designers can design their own "ad hoc" curved automatic doors that integrate fully and effectively with the existing building.

The models at a glance			
Description	ONDA	VOLO	
Door set type	DITEC PAM 35 Glass wings	DITEC PAM 30	
Set of 1 wing + 1 fixed	YES	NO	
Set of 2 wings only	NO	YES	
Set of 2 wings + 2 fixed	YES	YES	
Method of fixing to the installation space	Excellent perimeter finishing (supplied as standard)	Uprights to be fitted (not supplied)	
Additional reinforcing structure	Not provided	As per table of dimensions	
Ceiling panel	Included	Not provided	
Rainproof roof	Optional	Not provided	
Size limits	See predefined tables of dimensions	Wide range of construction scenarios	
Redundant automation for emergency exits	NO	Optional	





Volo

Quiet and reliable.

Volo boasts reliability, ensured by its proven DITEC electrical and mechanical components, quiet operation, with its toothed drive belt in synthetic material and nylon wheels, and safety, through its microprocessor-based control panel. The automation easily accommodates itself to the passageway area by using all available space. Volo has a complete set of safety, control and monitoring accessories that comply with all current standards.

PLUS -

Automation height: only 10 cm, or 18 cm for larger applications

Distinctive features

- Tried and tested, reliable components, already used on other DITEC automations
- Can be combined with Pam DITEC profiles or any type of wing
- Very quiet operation ensured by the toothed drive belts and nylon wheel rollers that move the wings
- Optional redundant automation
- TÜV certified
- Max automation curve angle 240°



Onda

Created today, designed for tomorrow.

Onda moves through a semicircular curve angle and comprises a load-bearing structure in an closed arch that is easy to install without the need for special supporting structures. It combines beautifully with any kind of generic curved wing, but it can also be supplied as an automation complete with DITEC Pam door sets, with or without safety glass.

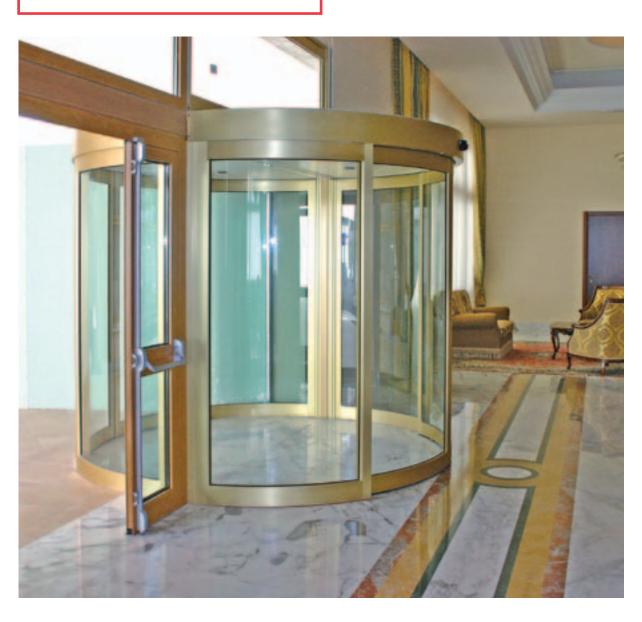
Onda is reliable in use and quick and easy to install, with a full range of high-performance accessories like the new ultrasound security sensors for the passageway area. Its safety features and superior performance ensure continual operation and make it ideally suited to the demands of civil or commercial premises.

PLUS -

Tested for 3 million movements

Distinctive features

- Proven and reliable latest-generation components
- May be used with DITEC Pam profiles or generic wings
- · Version with glass wings available
- Very quiet operation ensured by runners made of special combinations of self-cleaning and self-lubricating materials
- TÜV certified
- Max. automation curve angle 180°
- Automation with closed arch supporting structure, easy to fix to the entrance without the use of supporting structures
- Easy to maintain via the openable hinged ceiling panel and easy-to-reach components
- Optional spotlight kits



Technical features		
	ONDA	VOLO
Description	automation for curved sliding doors	automation for curved sliding doors
Travel control	encoder	encoder
Capacity	200 kg (2 wings)	160 kg (2 wings)
Duty Class	6 - continuous	5 - highly intensive
Intermittent Operation	S3 = 100%	S3 = 100%
Power Supply	230V= 230 V~ / 50-60 Hz	230V= 230 V~ / 50-60 Hz
Input	1 A	1 A
Maximum Opening Speed	1.2 m/s (2 wings)	1.2 m/s (2 wings)
Maximum Closing Speed	0.8 m/s (2 wings)	0.8 m/s (2 wings)
Release for manual opening	with handle	with handle
Operating temperature	-20°C / +55°C (-10°C / +50°C with batteries)	-20°C / +55°C (-10°C / +50°C with batteries)
Degree of protection	IP 20 - IP 24 (with cover)	IP 20 - IP 24 (with cover)
Automation height	190	100 / 180 (with reinforcement)
Standard radius	900 ÷ 2000 mm	900 ÷ 2000 mm
Maximum achievable radius	10 metres	20 metres
Maximum achievable angle	180°	240°
Automation arch	min. 2700 - max. 6000 mm	min. 2000 - max. 6000 mm
PH passage height, standard	2200 mm	2200 mm
PH passage height, maximum	2700 mm	2700 mm
Total door height	2390 - 2890 mm	2300 - 2800 mm (2380 - 2880 mm with reinforcement)
Control panel	EL20A (incorporated)	EL20A (incorporated)

System functions	
Control panel	EL20A
Description	for 1 motor 24 V=
Mains power supply	230V= 230 V~ / 50-60 Hz
Batteries (allowing operation in the event of a power failure)	■ (optional)
Energy saving Energy Saving	reduced consumption during use
Number of motors	1
Motor power supply	24 V= / 10 A
Accessories power supply	24 V= / 0,5 A
Electrolock	24 V= / 1 A
Courtesy light	■ (with MP1)
Encoder speed and deceleration control	
Force adjustment	electronic
ODS - obstacle detection halts or reverses movement if an obstacle is detected	
Speed adjustment, opening	<u>-</u>
Speed adjustment, closing	•
Braking / Deceleration for optimal closing	<u> </u>
Open Command	
Push opening	
Partial Opening Command	•
Close Command	■ (with MP1)
Automatic Timed Closure	•
Stop Safety Device	
Reverse Operation Safety Device	•
Safety Test and safety monitoring function	•



When building the system, only use DITEC accessories and safety devices.

DITEC automations all feature CE marking and are designed and built in compliance with the safety requirements of the Machinery Directive (2006/42/EC), of the Electromagnetic Compatibility Directive (2004/108/EC) and of the Low Voltage Directive (2006/95/EC) and of other Directives, laws, specific standards for special products and situations.

DITEC S.p.A. reserves the right to make changes which may improve the products. DITEC S.p.A. always strives to improve its products. For this reason, the technical details featured in this catalogue are not binding.

The pictures shown in this leaflet were taken with the consent of those concerned or in public locations.

Further information can be found in the Technical Manuals available at the website: www.ditec.it







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