

High-performance door Albany RR500

ASSA ABLOY

ASSA ABLOY Entrance Systems

The global leader in
door opening solutions





PUSH-PULL TECHNOLOGY

Door curtain with lateral zipper teeth moved using the top roll.

SELF-REPAIRING KNOCK-OUT CAPABILITY

Automatically reset after a crash with the zip closure system. Avoids high repair costs and loss in production.

FLEXIBLE EDGING PROFILE

Bottom profile made of flexible PVC material. Less risk of injury from collision.

High-performance door **Albany RR500**

Advantages of the door

- Robust high-performance door that can be used inside and outside
- Space-saving design due to small side frames
- Curtain with zipper closure along the entire length of the side frames, which ensures a high sealing and resistance against the wind
- Flexible bottom profile, less risk of injury from collision
- Automatically reset after a crash, avoiding high repair costs and a loss in production
- Also for intensive operations with high wind pressure
- Various door curtains available depending for different application
- Fast opening and closing due to modern drive technology and frequency converter control system MCC
- Effective protection against dust, dirt, draught and moisture penetration

Door design

SIDE FRAME

The side frames are made of galvanized steel with cover panels made of anodized aluminum. In the side frame is the guide rail for intake of the curtain (zipper closure). The side frame on the opposite of the drive unit is bigger – Space requirements for the weight to support the top roll.

DOOR CURTAIN

As standard the door is equipped with a transparent PVC curtain with vertical reinforcement fabric stripes. NomaTex fabric is available for applications needing a more durable curtain material with form stability. NomaTex can be equipped with vision panels. See the technical data overview for individual options.

MOTOR

Slip-on gear motor with catching device. The motor can be positioned either on the right or on the left hand side.

CONTROL UNIT

MCC frequency converter control system. This guarantees a soft start, optimal acceleration, maximum speeds and a long lifetime for the door. The control unit has a foil key and graphical display. Comprehensive diagnoses and error codes are available on the display.

KNOCK-OUT CAPABILITY

Due to the curtain guide in the side frame using a zip closure system and the flexible bottom profile, there is no damage from a collision. Should a collision occur, the curtain is automatically reset into the side frame.

FLEXIBLE BOTTOM PROFILE

The door has a flexible bottom profile. This ensures that collisions do not create a great deal of damage.

SAFETY FEATURES

The door is equipped with an electrical self-testing safety edge inside the flexible bottom profile. It is connected wireless to the control unit. A door line photocell is also installed in the side frames. In the event of a power failure, the door can be opened via a hand crank. A hand chain is optional available (not with motor cover).


CE-GUIDELINES AND PRODUCT STANDARDS

The door is designed according to the Workplace Directive of the UVV regulations and the harmonized CE Guidelines including EN 13241-1.

INDICATION OF RISK

In consideration of the situation on site - especially in case of use by pedestrians - additional safety installations, like additional actuators may be required. In addition, special environmental conditions may have impact on the right choice of doortype. In case of any doubt, please contact our sales engineer to receive consulting on site.

Technical data Albany RR500

TECHNICAL DATA		
Model	Albany RR500	
Application	Exterior door / Interior door	
Wind resistance EN 12424	Class 4 / Class 3 if DW > 6000 mm	
Temperature range	-10°C - +40°C	
Sound pressure level	70 dB A	
Door dimensions (mm) (DW min./max.) (DH min./max.)	1500 / 8000 2300 / 5500	
max. area	44 m ²	
Speed (m/s)		
Open/Close max. (m/s)	1,0 / 0,5	
Material		
Side frame	Aluminum anodized	
Bottom profile	Flexible PVC	
Winding shaft	Steel	
Driving shaft	Stainless steel	
Top roll cover ¹⁾	Aluminum anodized up to DW = 5800 mm	
Motor cover	Steel, powder coated RAL 9006	
Canopy, wall mounted	Aluminum anodized (required height of lintel 1060 mm)	
Safety features		
Electrical self-testing safety edge	✓	
Door line photocell in the side frames	✓	
Fall down protection	Within gear motor	
Knock-out capability	✓	
Emergency opening	✓ Crank handle	
Chainhoist	•	
Drive unit / control system		
Drive unit	elektrisch	
Motor power	0,75 KW	
Control voltage	24 V DC	
Protection	IP 55	
Control system	MCC (mounted on the wall)	
Display	Plain text	
Additional opening height	✓	
Potential free contacts	✓	
Fuse protection	10 - 16 A	
UL-Version 	•	
Network connection		
3/(N)/PE 380 / 400 / 415 / 440 / 460 / 480V, 50/60 Hz		
3/(N)/PE also available with transformer: 220 V, 230 V, 500 V		
1/N/PE: 220 V, 230 V, speed reduced 25%		
UL-Version 3/(N) PE 220/230/460/480V 60 Hz	✓	
Door curtain	PVC with colored reinforcement stripes (Color code according to RAL color card)	NomaTex® (Color code according to RAL color card)
Windows	-	-
Vision panels	-	•
Wind taps	✓	✓
Blue	✓ 5002	• 5005
Red	• 3002	• 3000
Orange	• 2011	• 2009
Grey	• 7035	• 7038
Yellow	• 1021	• 1023
Green	• 6018	
Beige	• 1014	
White	• 9016	



Pull/Push Technology

The door curtain with zipper teeth on both sides is moved up and down via a top roll.



The side frames

made of steel with aluminum cover. The guide rails to mount the curtain with the lateral zipper teeth along the entire length are located in the side frame. This ensures a tight seal and resistance against the wind.



Zipper closure

The teeth of the zipper are picked up by the lateral guide rails, hereby creating a closed unit.



The Albany RR500 is a reliable, tightly sealed high-performance door for interior and exterior application. It can close openings of up to 8000 x 5500 mm. The door is designed for industrial applications where long product life, tight seals and minimal maintenance costs are important. The door even works in areas with high wind pressure.

The flexible bottom profile minimizes damage. In the event of a collision the flexible bottom profile is pulled out of the side guide rails, thereby removing the zipper above the door. The curtain threads itself back in automatically the next time the door is opened. The door is ready for use again. This helps to avoid repairs and loss in production.

The robust and durable fabric curtain NomaTex is made of 2 layers of fabric material and 2 layers of PVC material. Due to its high weight of 2.400 g/m² and a thickness of 2 mm, NomaTex has excellent tenacity and durability. The material is dimensionally stable and offers high wind and weather resistance.

What are the advantages of a high-performance door?

- A high-performance door can improve the energy efficiency and performance of any building, reduces energy loss.
- Increases the overall U-value of a building when installed at busy entrances that require a high number of open and close cycles per day.
- The doors only open and close for each individual unit of traffic through the opening - doors are not left open during processes such as loading and unloading.
- This improves climatic conditions in the interior spaces and therefore the work environment.
- It also ensures a safe and efficient flow of vehicles, goods and people.

Form stability (NomaTex)



Max. transparency (PVC material)

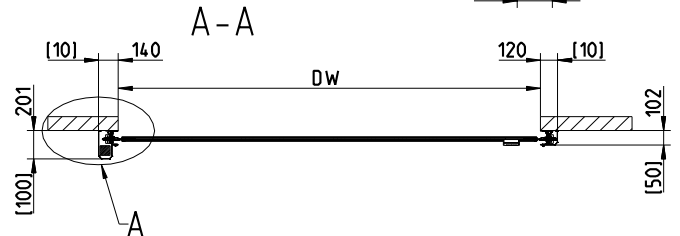
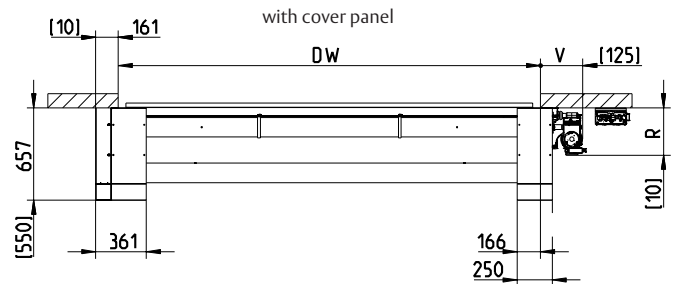
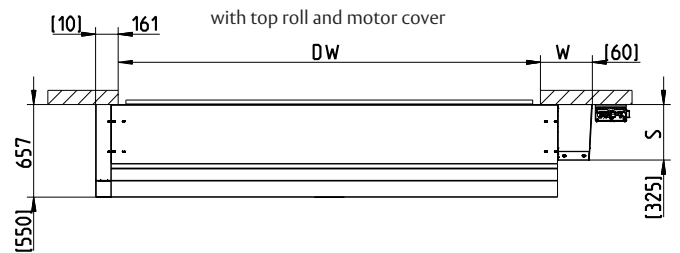
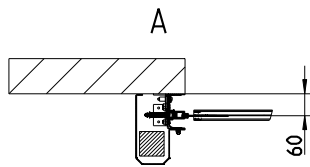
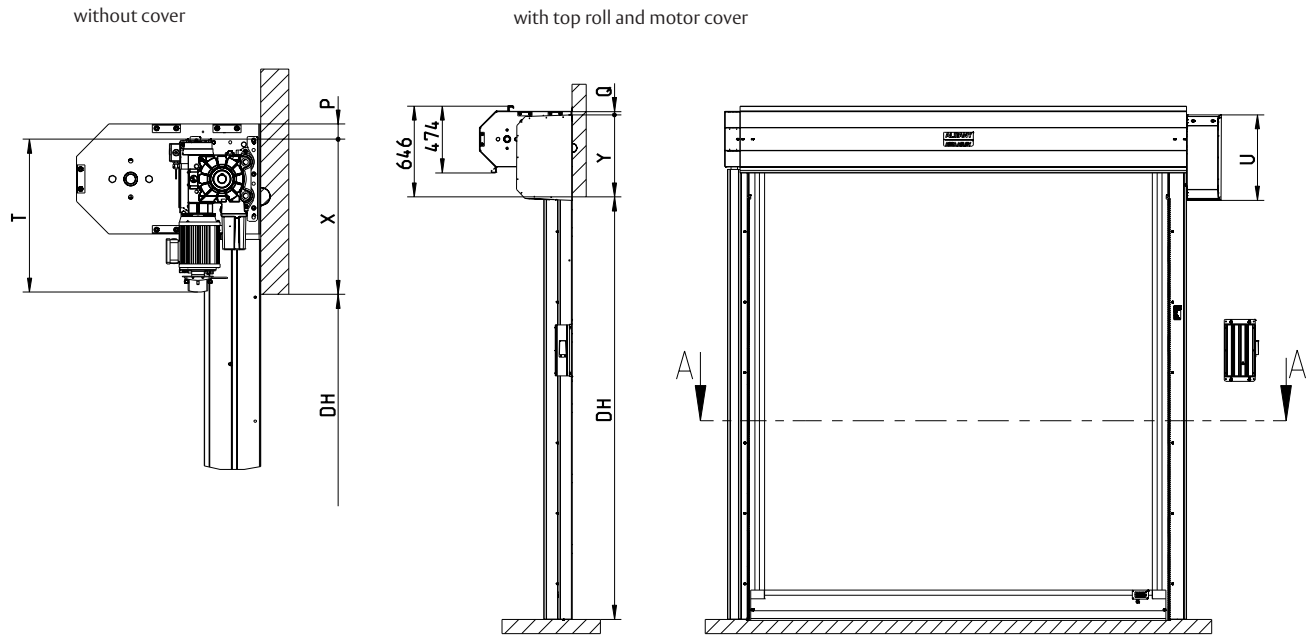


Durable high quality curtain (NomaTex)



Motor cover / Top roll cover

General drawing Albany RR500



without motor cover		with motor cover	
			steel
X	551	Y	583
V	301	W	367
R	337	S	394
T	543	U	607
P	54	Q	22

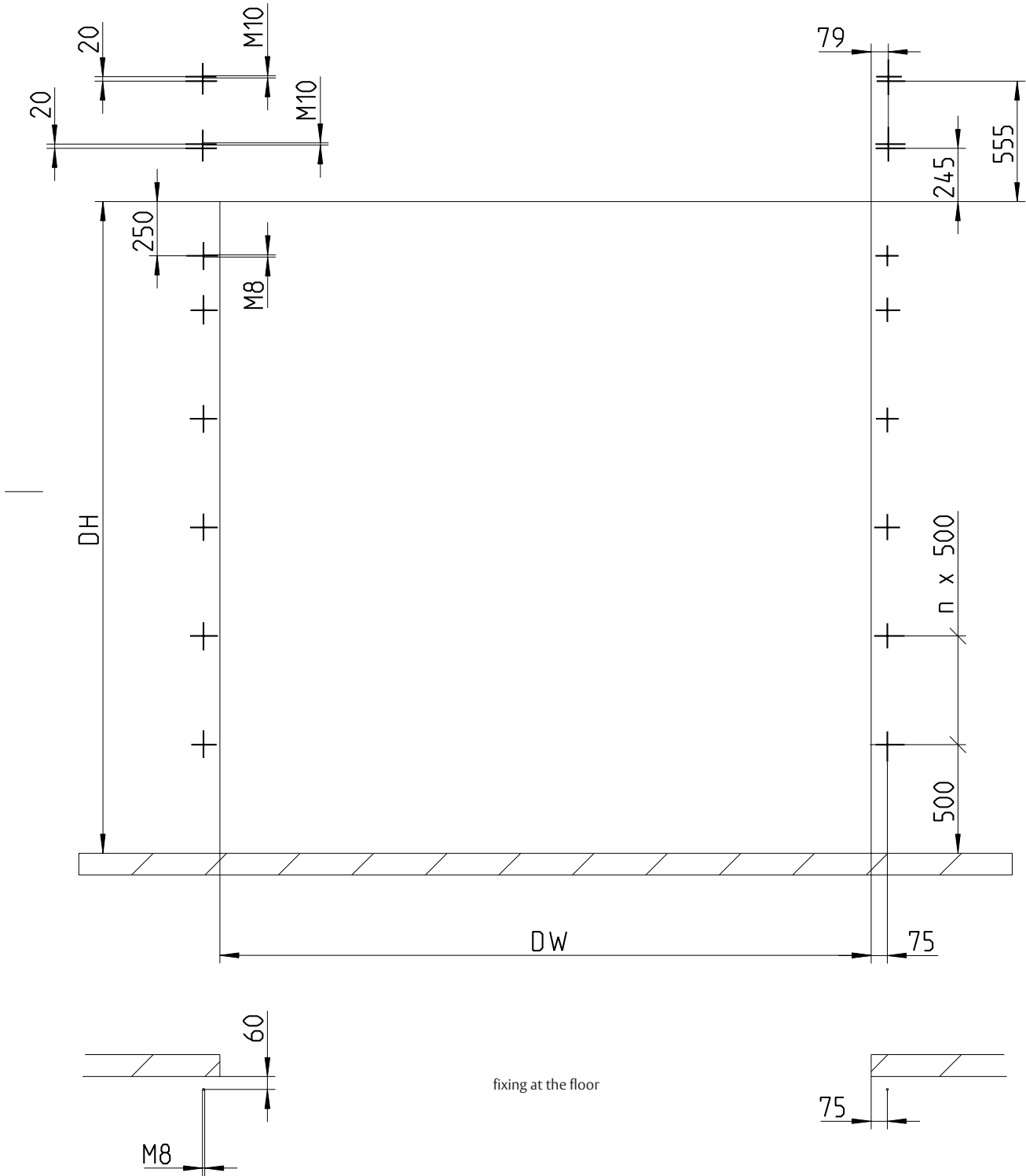
Control unit		
		MCC
Dimensions W x H x D	mm	220 x 380 x 100

Available sizes		
	DW (W)	DH (H)
min. (mm)	1500	2300
max. (mm)	8000	5500

[] = Space needed for installation

9300R0019/a

Fixing Plan Albany RR500



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ASSA ABLOY Entrance Systems is a division within ASSA ABLOY.

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ASSA ABLOY Entrance Systems

info.aaes@assaabloy.com
assaabloyentrance.com

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