

High performance door Albany RR300 Plus Stainless Steel

ASSA ABLOY

ASSA ABLOY Entrance Systems

The global leader in
door opening solutions



Albany RR300 Plus Stainless Steel

DOOR MATERIAL

The Door (side frames and top roll cover) are made of stainless steel.

DOOR CURTAIN

As standard the door is equipped with a transparent PVC curtain with blue reinforcement stripes. As option the reinforcement stripes are available in the RAL colours red (RAL 3002), orange (RAL 2011), grey (RAL 7035), yellow (RAL 1021), beige (RAL 1014), green (RAL 6018) and white (RAL 9016). Curtains with silicone-free reinforcement stripes are also available.



ALTERNATIVE CURTAINS

In case of a higher demand more durable curtains made of RollTex® with or without window in the colours orange (RAL 2009), blue (RAL 5002) or grey (RAL 7001) as well as Norma Tex® with stripes in grey (RAL 7045) are available.



ACTUATORS

Individual applications can include additional safety devices. Actuators such as infrared, radar detectors, push buttons, vehicle detector loops or radio transmitters can be added to the control system. Please contact us for additional information for your specific needs.

KNOCK-OUT CAPABILITY

The door can be equipped with a knock-out capability option. In the event of a collision the bottom profile breaks-away, causing a sensor to stop the door. The door can be easily reset by hand. Doors with knock-out capability option include coiled cable.



SAFETY FEATURES

The door has an electrical safety contact edge. A standard in-line photocell prevents the door from closing when an object is in the doorway. An optional integrated light curtain is available for doors with a minimum height of 1975 mm. The light curtain is not available in combination with a knock-out capability.





TOP ROLL COVER ¹⁾

The top roll cover is not a standard door feature.
Delivery of the Escape and rescue routes version includes a top roll cover
Optional the top roll cover is available in stainless steel.

MOTOR COVER ¹⁾

A motor cover is not a standard door feature.
An optional motor cover is available in plastic RAL 7040 or stainless steel.



MOTOR

Gear motor, available left or right hand side.

CONTROL BOX

As standard the door is made of a relay control system MCS-R.
According to the operation conditions optional a contactor control system ACS 50 and a frequency converter control system MCS-FC and MCC are available. With the basic control system MCS-R and MCS-FS a convenient operation with high flexibility, fast start-up and easy handling of the door is allowed. The powerful MCC frequency converter control system with Torque Vectoring of the drive unit, connected to the wide range of functions, enables nearly an unlimited use of the door. The MCC guarantees a soft start, optimal increase in speed, maximum speeds and a long service life of the door.

Figure shows MCC control system.



ESCAPE AND RESCUE ROUTES

The Albany RR300 Plus Stainless Steel can be amended to a high performance door for escape and rescue routes to a max of 4000 x 4000 mm by adding special equipment.



Monitoring devices such as a radar motion control, automatic self opening and a regular test run are features for this door type.

BOTTOM PROFILE / FLEX EDGE

As standard the bottom edge is made of aluminum. Optionally a bottom edge made of stainless steel is available.

One further option is our Flex Edge Version (flexible bottom profile without aluminum extrusion and coiled cable).



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ADVANTAGES OF ALBANY RR300 PLUS STAINLESS STEEL

- Space saving design enables installation into door openings with restricted space.
- Door curtain is constructed with transparent PVC and reinforcement stripes. Chemical and puncture resistant RollTex® fabric is available for more demanding applications (optional).
- Integrated balancing systems allows self opening.

APPLICATION

- As an interior door to separate work areas
- For climate control and energy conservation
- In protected exterior applications
- In applications with strict hygiene requirements, the PVC curtain is easy to clean
- In distribution and warehouse applications

DESIGN

Self supporting side frames and top roll covers are made of stainless steel.

DOOR CURTAIN

The door curtain is made of clear PVC material with reinforced vertical stripes (optional colors are available). RollTex® fabric is available for applications needing a more durable curtain material. The door curtain is equipped with special wind tabs that travel in the side frame guides and gives the Albany RR300 Plus remarkable wind resistance.

SELF OPENING

- Manual activation: the door can be opened by manually releasing the brake on the balancing system.
- Automatic activation (option): the door opens automatically in the event of a power outage. Depending on the size the door opens completely or partly.

In both cases the springs of the balancing system are released and the door opens to a maximum height of max. 2.0 m (depending on the size).

SAFETY FEATURES

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

INDICATION OF RISK

The safety of the door is designed for normal use and for vehicles in an industrial environment corresponding to the harmonised CE-Guidelines. In consideration of the on site situation – especially in case of pedestrian use – additional safety measures, such as additional actuators may be required. In addition, special environmental conditions may impact the choice of door type. For more information or to schedule an on-site inspection, please contact our sales engineer.

TECHNICAL DATA

Interior door	suitable
Exterior door	partially suitable
Wind resistance	class 1 (EN 12424)
Door dimension (mm)	Standard with MCS-R Optional with ACS 50
(DW min./max.)	1000 / 4000 mm
(DH min./max.)	1000 / 4200 mm
Door dimension (mm)	Optional with MCS-FC Optional with MCC
(DW min./max.)	1000 / 5000 mm
(DH min./max.)	1000 / 5000 mm
Opening direction	vertical

Surface	
Side frames, stainless steel	✓
Bottom profile, aluminium anodised	✓
Bottom profile, stainless steel	•
Top roll	aluminium anodised
Covers (option)	
Top roll cover	• ¹⁾
Motor cover	• ¹⁾

Door curtain (alternatively)	
PVC with blue/red reinforcement stripes	✓
PVC with coloured reinforcement stripes	•
PVC with silicon free reinforcement stripes	•
RollTex® Plus*	•
RollTex® Original*	•
NomaTex® */**	•
* optional with windows	•
** optional with vision panels	•
Wind tabs	✓
Curtain tension	•
Counterbalance	✓

Safety	
Electrical safety contact edge	✓
Door line photocell	✓
light curtain (integrated)	• ²⁾
Fall down protection	✓ by tension springs
Knock-out capability	•
Manual activation	✓ with bowden lever
Automatic egress	•

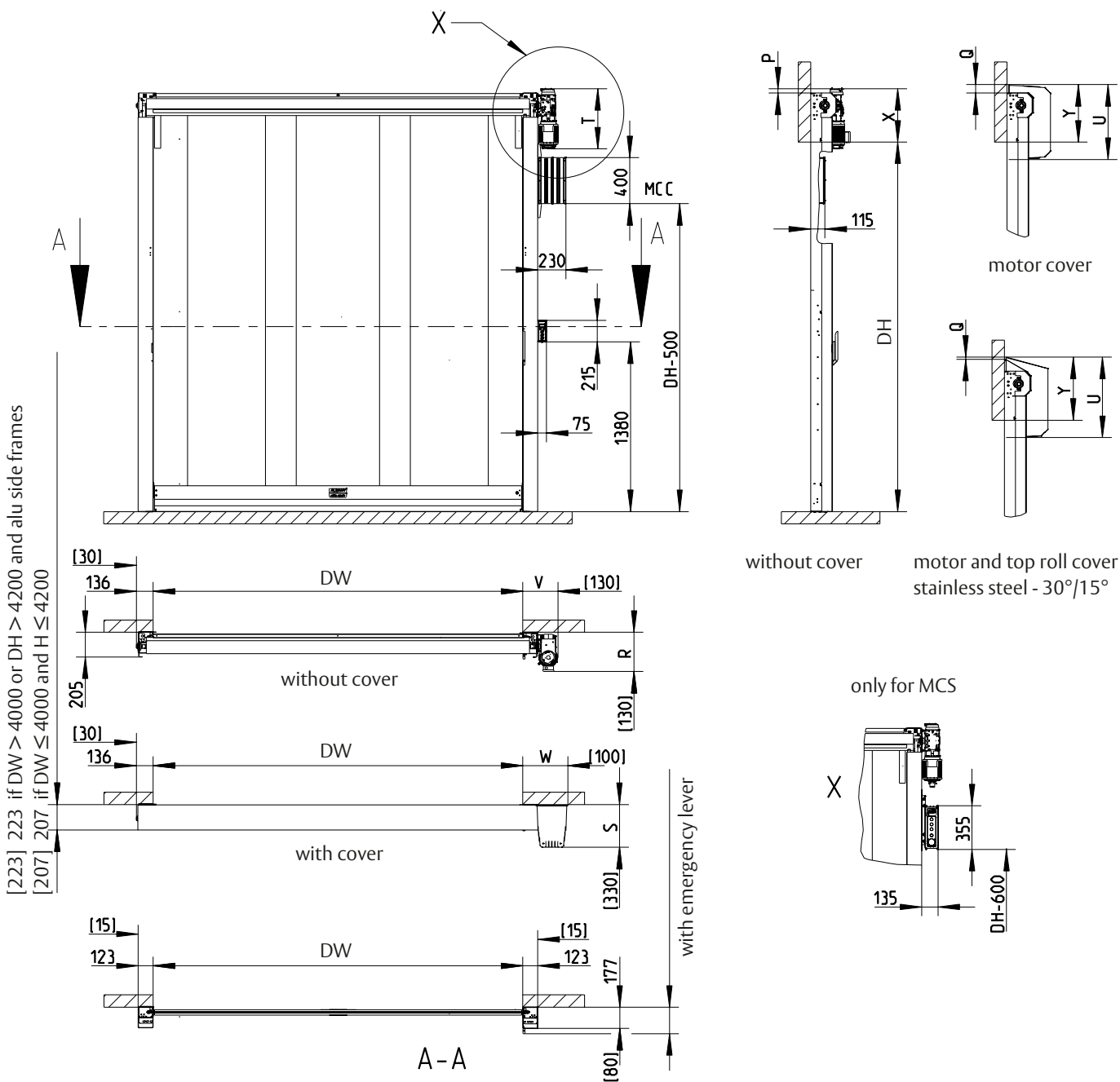
Control Unit	Albany MCS-R	Albany MCS-FC	Albany ACS 50	Albany MCC
Standard/Option	✓	•	•	•
Speed (m/s) Open/close to max.	1,2/1,2	1,5/0,8	1,2/1,2	2,2/0,9
Max. allowed cycle times (1/min.)	0,5	1	1	3
Protection	IP 54	IP 54	IP 55	IP 55
Motor power	0,65 kW	0,75 kW	0,75 kW	0,75 kW
Power supply	3/(N)/PE AC: 400V 50Hz	1/N/PE AC: 230V 50/60Hz	3/(N)/PE AC: 220/230/380/400/415V 50Hz	3/(N)/PE AC: 380/400/415V/440/480V 50/60Hz
Power supply with additional transformer	-	-	3/(N)/PE AC: 440/480/500V 50Hz	3/(N)/PE AC: 220/230/500V 50/60Hz
Fuse protection by customer	10 – 16A C-characteristic ³	16A C-characteristic ³	16A C-characteristic ³	10 – 16A B or C-characteristic ³
Potential free contacts max. 250 V	✓	✓	✓	•
Traffic light function without direction detection	✓	✓	✓	✓
Traffic light function with direction detection	•	•	-	✓
Flashing alarm light	✓	✓	✓	✓
Error message	plain text	plain text	LED	plain text

- Option ✓ Standard – not possible

¹⁾ For doors of height ≤ 2500 mm the use of top roll and motor cover is required according to standard EN 13241-1.

²⁾ Not in combination with knock-out capability. ³⁾ or comparable

General drawing Albany RR300 Plus Stainless Steel



With motorcover			
	Plastic	Steel	Stainless steel
Y	470	465	515
W	366	362	362
S	340	340	340
U	610	600	650
Q	70	65	18(30°), 115(0°)

Without motorcover		
	Albany ACS 50/Albany MCC/Albany MCS-FC	MCS-R
X	443	400
V	285	245
R	315, if DW ≤ 4000 and H ≤ 4200	240
R	325, if DW > 4000 or H > 4200 and Alu side frames	240
T	500	415
P	45	0

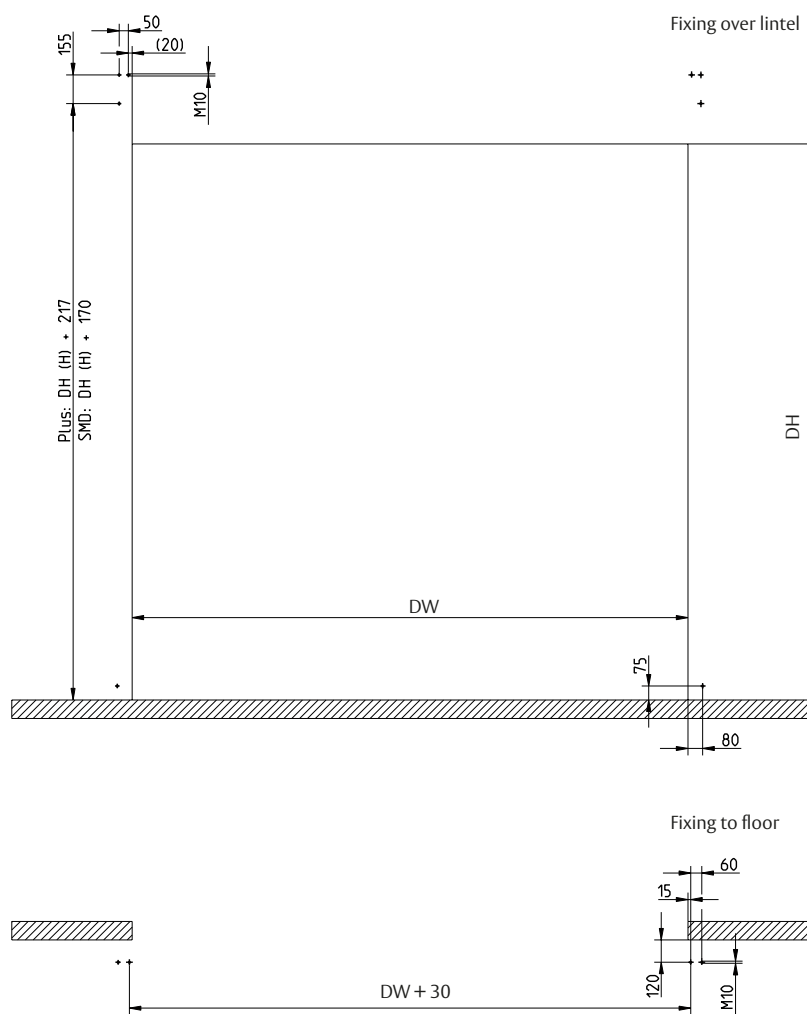
Available sizes		DW	DH
	min.*	1000	1000
	max.**	5000	5000
Crash	min.	1300	1000
**with Top 1,3 mm	max.: **	3500	3500
**with option sealed	max.: **	3000	3000
** with Albany ACS 50	max.: **	4000	4200
** with Flex Edge	max.: **	4000	4200

Control Unit					
		Albany ACS 50	Albany MCC	Albany MCS-FC	Albany MCS-R
Dimensions W × H × D	mm	300 × 400 × 210	220 × 380 × 100	215 × 345 × 140	215 × 345 × 140
Dimensions frequency converter W × H × D	mm			106 × 355 × 106	

ASSA ABLOY Entrance Systems is a leading supplier of entrance automation solutions for efficient flow of goods and people. With our globally recognized product brands Besam, Crawford, Megadoor and Albany, we offer products and services dedicated to satisfying end-user needs for safe, secure, convenient and sustainable operations.

ASSA ABLOY Entrance Systems is a division within ASSA ABLOY.

Fixing plan Albany RR300 Plus Stainless Steel



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