

High performance door Albany RR300

ASSA ABLOY

ASSA ABLOY Entrance Systems

The global leader in
door opening solutions



Albany RR300



- Modular system allows custom configurations
- Fast opening and closing speed saves energy costs
- Space saving construction for almost unlimited possibilities of installation
- Fast and simple installation
- Maintenance-friendly design resulting in minimal service costs

DOOR DESIGN

Type

Albany RR300 S
Albany RR300 I
Albany RR300 Mini

Design

Galvanized Steel
Stainless Steel
Galvanized Steel, Stainless Steel

DOOR CURTAIN

All doors are available with clear PVC door curtain with coloured reinforcement stripes. Alternatively economic door curtain as Travitop, sturdy RollTex® (standard by Mini) or NomaTex® can be delivered.

COLOURS

Basic colours of reinforcement stripes are red or blue.

A large variety of other colours on request such as orange, grey, yellow, beige, green, white.



WINDOWS

For door curtain made from clear PVC with coloured reinforcement stripes big visible areas are available.

Options for other types of curtain vision panels or windows can be delivered.



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

For doors from width ≥ 1300 mm a knock-out capability is available. This allows non-operation times after crash and it can easy manual reset after an impact.

Not applicable in version "Mini" with low bottom profile for reduced installation height.



SAFETY FEATURES

The door has an electrical safety contact edge. A door line photocell also prevents the door closing when objects or people are in the doorway.





TOP ROLL

As Standard aluminium roll with galvanized shafts.

As Option aluminium roll with shafts and bearing in stainless steel or top roll and shafts made from stainless steel.

TOP ROLL COVER

Standard door is delivered without top roll cover

As option top roll cover can be chosen from:

- Galvanized steel
- Stainless Steel
- Stainless Steel with 30° decline

MOTOR COVER

Standard door is delivered without motor cover

As Option, motor cover can be chosen:

- Powder coated steel
- Stainless steel 15° decline
- Plastic grey RAL 7040

not available for hand chain operator



MOTOR

Gear motor with drop down safety gearbox, available left or right hand side. Not necessary in version "Mini" because of the lower door curtain weight.

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-FC 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.



BOTTOM PROFILE / FLEX EDGE

The bottom profile made from aluminium or stainless steel can be chosen. A low bottom profile for doors with reduced space requirement over lintel is available (only for Mini and only aluminium).

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

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APPLICATION

- Interior
- Hygienic environments
- Machine Protection
- Various manufacturing and materials handling applications

DESIGN

The door is based on a modular system that allows custom individual configurations.

VARIOUS DOOR CURTAINS

Depending on the individual application different options of door curtains are available. Clear PVC material or more durable curtain material.

MANUAL ACTIVATION

The door can be operated manually with a crank in the event of a power failure. Alternatively an hand chain operator is available (not available with drive cover).

FLEX EDGE

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

SAFETY FEATURES

The door is designed according to the Workplace Directive of the UVV 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 harmonized 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	Albany RR300 Standard 300 S, 300 I	Albany RR300 Mini
Interior door	suitable	suitable
Exterior door	partially suitable	not suitable
Wind resistance (EN 12424)	class 1	class 0
Door dimension (mm) (DW min./max.) (DH min./max.)	Standard with MCS-R Optional with ACS 50 1000 / 3500 mm 1000 / 3500 mm	Standard with ACS 50 500 / 2000 mm 500 / 3000 mm
Door dimension (mm) (DW min./max.) (DH min./max.)	Optional with MCS-FC 1000 / 3000 mm 1000 / 3500 mm	
Door dimension (mm) (DW min./max.) (DH min./max.)	Optional with MCC 1000 / 4000 mm 1000 / 4200 mm	
Surface (alternatively)		
Side frame, galvanised steel, stainless steel	•	•
Bottom profile	• aluminium, stainless steel	• aluminium
Bottom profile Flex Edge	•	–
Knock-out capability	• / for DW ≥ 1300	–
Covers (alternatively)		
Top roll cover ¹⁾	•	•
Motor cover ¹⁾	•	•
Door curtain (alternatively)		
PVC with coloured reinforcement stripes	✓	•
PVC with silicon free reinforcement stripes	•	•
RollTex® Plus*	•	✓
RollTex® Original (fine)*	•	•
NomaTex® */**	•	•
NomaTex® flame retardent	•	•
Travitop 1,3 mm ** (max. 3500 x 3500 mm)	•	•
* optional with windows	•	•
** optional with vision panels	•	•
Extended flexible seal	•	•
Wind tabs	✓	✓
Safety		
Electrical safety contact edge	✓	✓
Door line photocell	✓	✓
Fall down protection	✓ in drive unit	not required, curtain weight below 20 kg

Control Unit	Albany MCS-R	Albany MCS-FC	Albany ACS 50	Albany MCC
Albany RR300 Standard 300 S, 300 I (Standard/Option)	✓	•	•	•
Albany RR 300 Mini (Standard/Option)	-	-	✓	-
Speed (m/s) Open/close to max.	1,0/1,0	1,25/1,0	1,0/1,0	2,2/1,0
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

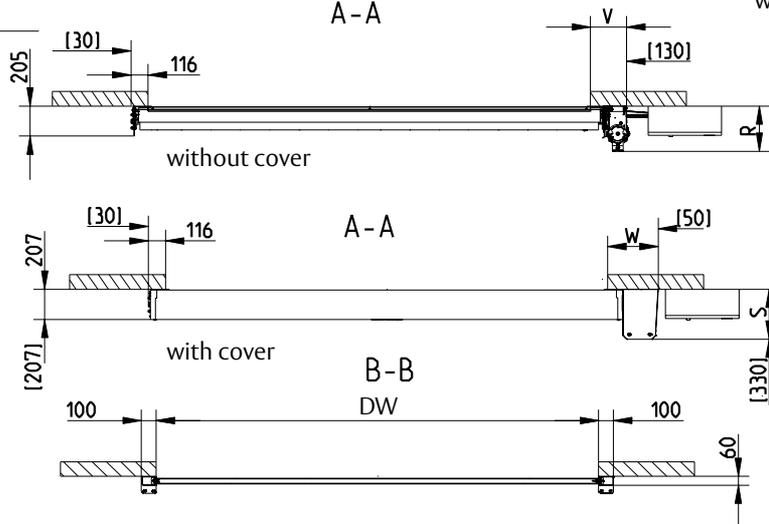
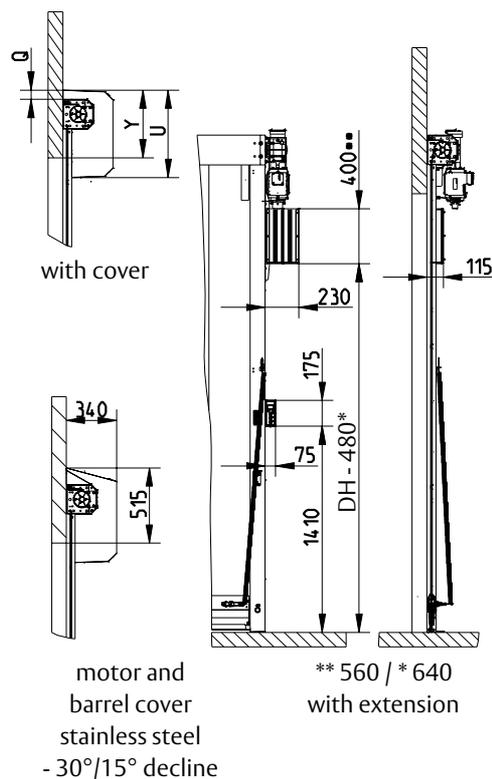
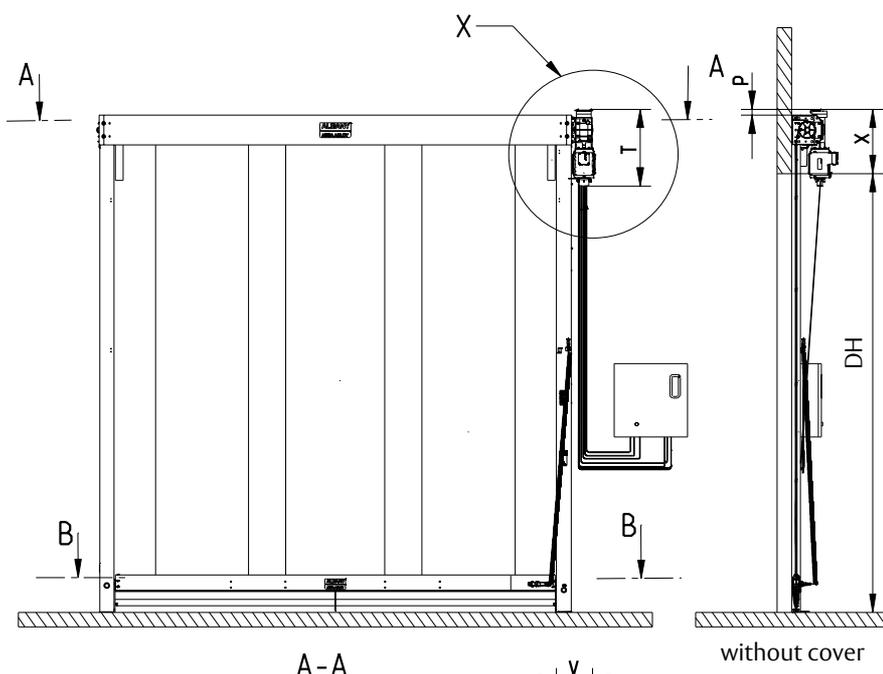
• Option ✓ Standard – not possible

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

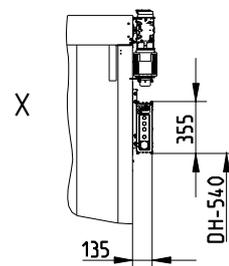
²⁾ Not in combination with knock-out capability. ³⁾ or comparable

General drawing Albany RR300

only for Albany MCC



only for MCS



Without motorcover				
		Standard		Mini
	Albany MCC	Albany ACS 50, without control, MCS-FC	Albany MCS-R	Albany ACS 50, without control
X	440	440	400	353
V	265	265	245	220
R	315	315	240	260
T	550	520	415	323
P	42	42	0	0

With motorcover				
		Standard / Mini		only Mini
		Plastic	Steel	Stainless steel 15°
Y	470	465	515	357
W	346	342	342	235
S	340	340	340	270
U	610	600	650	380
Q	70	65	115	0

Available sizes		DW	DH
Standard	min.*	1000	1000
	max.**	4000	4200
Mini	min.*	500	500
	max.**	2000	3000
*Crash	min.**	1300	1000
** Top 0,8 mm	max.**	3000	3000
** Albany ACS 50, Top 1,3 mm	max.**	3500	3500
** Albany MCS-R	max.**	3500	3500
** Albany MCS-FC	max.**	3500	3500

[] = Space needed for installation

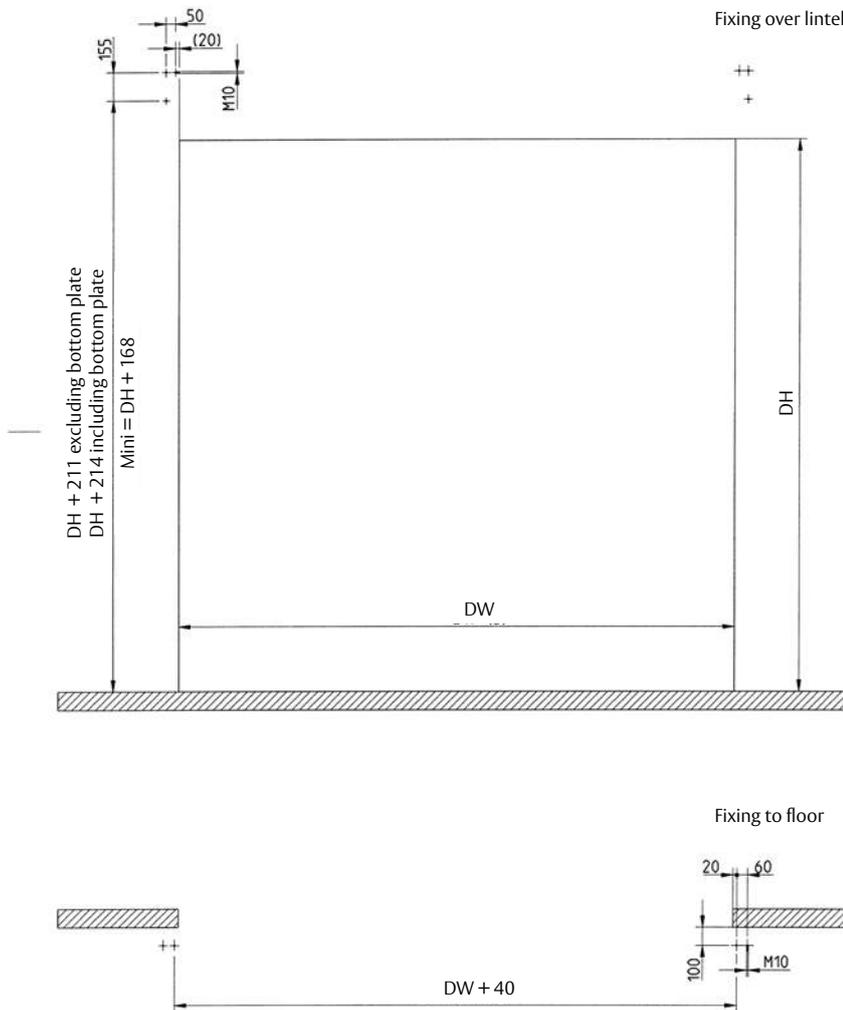
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Date: 24.11.2014

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



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