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	Design
Albany RR300 S	Galvanized Steel
Albany RR300 I	Stainless Steel
Albany RR300 Mini	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 choosen:
• Powder coated steel
• Stainless steel 15° decline
• Plastic grey RAL 7040

MOTOR POSITION

Available left or right hand side.

CONTROL BOX

Depending on requirements for opening/closing speed and actuators, three different control systems can be chosen from a basic control system Albany ACS 25 to Albany ACS 50 and the innovative frequency converter control system Albany MCC.

As Option a frequency converter control system Albany MCC is available. The display unit with foil keys and a graphical display offering easy operation and maintenance is in a small box placed at the side frame or on the wall. (The picture shows the control system Albany MCC).

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).

High performance door Albany RR300

ADVANTAGES OF ALBANY RR300
- Modular system allows custom configurations
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APPLICATION
- Interior
- Hygienic environments
- Machine Protection
- Various manufacturing and materials handling applications

DESIGN
- Flexible modular design
- Custom configured to each application
- Motor cover available in plastic, powder coated steel or stainless steel
- Optional top roll cover available in galvanised steel or stainless steel
- Motor cover available in plastic grey RAL 7040

VARIOUS DOOR CURTAINS
- Available in various materials and colours
  The various options please see the table adjacent.
- Wind tabs enhance wind resistance

KNOCK-OUT CAPABILITY
- Available from 1300 mm width
- Sensor stops door immediately upon impact
- Prevents damage to the bottom beam
- Easily manual reset

DRIVE UNIT
Hollow shaft gear motor with drop down safety gearbox (not 300 Mini), can be positioned on t he right or left side of the door.

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

CONTROL SYSTEM
Depending on requirements three different control systems can be chosen from a basic control system Albany ACS 25 to Albany ACS 50 and the innovative frequency converter control system Albany MCC.

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

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 security 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.

- Option
- ✓ Standard
- – not available

[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 available for ACS 25
[3] 16 A for 220/230V
[4] 10 A preferred, 16 A maximal
[5] Transformer necessary for 440/480/500V
[6] Transformer necessary for 220/230/500V

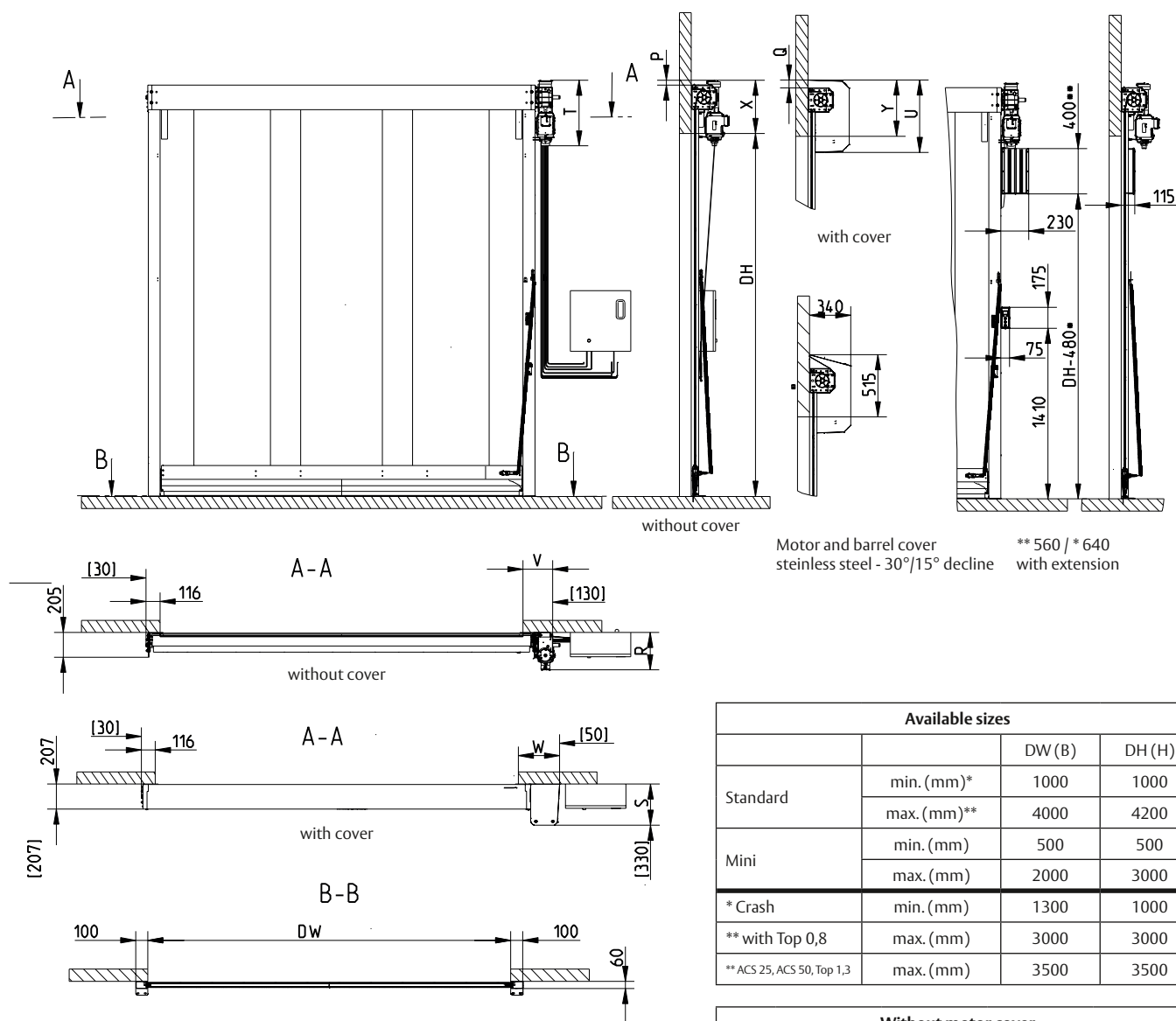| TECHNISCHE DATEN	Albany RR300 Standard 300 S, 300 I	Albany RR300 Mini
Interior door	suitable	suitable
Exterior door	partially suitable	not suitable
Wind resistance (EN 12424)	class 1	class 0
Door dimension (mm) (DW min./max.) (DH min./max.)	1000 / 4000 mm 1000 / 4200 mm max. 3500 x 3500 mm with Albany ACS 25, 50	500 / 2000 mm 500 / 3000 mm
Opening direction	vertical	vertical
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] galvanised steel, stainless steel 30° decline	•	•
Motor cover [1] Stainless steel 15° decline, plastic, powder coated steel excluding emergency hand chain	•	•
Door curtain (alternatively)		
PVC with coloured reinforcement stripes	✓	•
PVC with silicon free reinforcement stripes	•	•
RollTex® Plus*	•	✓
RollTex® Original (fine)* [2]	•	•
NomaTex® */** [2]	•	•
NomaTex® flame retardent [2]	•	•
Travitop 1,3 mm ** (max. 3500 x 3500 mm)	•	•
* optional with windows	•	•
** optional with vision panels	•	•
Extended flexible seal	•	•
Wind tabs	✓	✓
Drive unit	electrical	electrical
Safety		
Electrical safety contact edge	✓	✓
Door line photocell	✓	✓
Fall down protection	✓ in drive unit	not required, curtain weight below 20 kg
Control systems	Albany ACS 25/50, Albany MCC	Albany ACS 50
Motor power	0,37/0,75	0,56

Speed (m/s)	Albany ACS 25	Albany ACS 50	Albany MCC
Open/close up to	0,8/0,8	1,0/1,0	2,0/1,0
Fuse protection	10 A	10 A [3]	10 A [4]
Control voltage	24 V DC	24 V DC	24 V DC
Protection	IP 55	IP 55	IP 55
3L(N)PE/220/230/380/400/415V; 50 Hz	✓ [5]	✓ [5]	
3L(N)PE/380/400/415/440/480V; 50/60 Hz			✓ [6]
Potential free contacts max. 250 V	✓	✓	•

Traffic light function	Albany ACS 25	Albany ACS 50	Albany MCC
Without direction detection	✓	✓	✓ 24 V DC
With direction detection	–	–	✓ 24 V DC
Flashing alarm light	✓	✓	✓ 24 V DC
Error message	✓ Code	✓ LED	✓ plain text

General drawing Albany RR300

only with Albany MCC

with cover

without cover

Motor and barrel cover
steinless steel - 30°/15° decline

** 560 / * 640
with extension

A - A

[30] 116 [130]

without cover

A - A

[30] 116 [50]

with cover

B - B

100 DW 100

Available sizes			DW (B)	DH (H)
Standard		min. (mm)*	1000	1000
		max. (mm)**	4000	4200
Mini		min. (mm)	500	500
		max. (mm)	2000	3000
* Crash		min. (mm)	1300	1000
** with Top 0,8		max. (mm)	3000	3000
** ACS 25, ACS 50, Top 1,3		max. (mm)	3500	3500

Without motor cover				
		Standard		Mini
	Albany MCC	Albany ACS 50, without control	Albany ACS 25	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

Control Unit		Albany ACS 25	Albany ACS 50	Albany MCC
Opening speed	max. (m/s)	0,8	1,0	2,0
Closing speed	max. (m/s)	0,8	1,0	1,0
Electrical cabinette W x H x D	mm	190 x 300 x 115	300 x 400 x 210	220 x 380 x 100

[ ] = Space needed for installation

With motor cover				Only Mini
		Standard / Mini		
	Plastic	Steel	Stainless steel 15°	Steel Albany ACS 50, without control
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

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Fixing plan Albany RR300

Fixing over lintel

50
(20)
155
M10

DH (H) + 211 excluding bottom plate
DH (H) + 214 including bottom plate
Mini = DH (H) + 168

DH (H)

DW (B)

Fixing to floor

20   60

100   M10

DW (B) +40
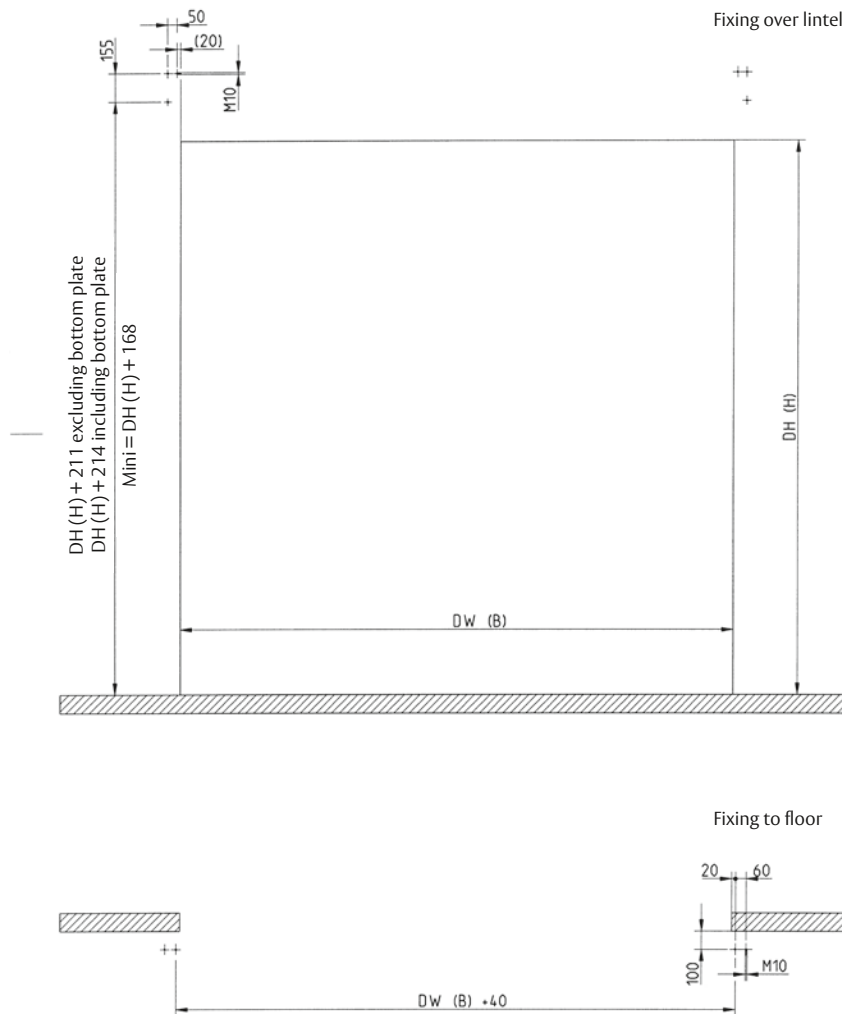
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High Performance Door Solutions

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