



Data Sheet
High Performance Door
RapidRoll® 300 Plus

Economical door for a wide variety of interior applications

Separate work areas, control environmental conditions and reduce noise.

Standard integrated balancing system.

Manual or optional automatic egress up to 1,8 m enables the door to be opened during power outages.



The next generation in
intelligent door control systems
by Albany Door Systems

INTERIOR ● EXTERIOR ○
PROCESS ○ SERVICE ○

High Performance Door RapidRoll® 300 Plus



ADVANTAGES OF ALBANY RAPIDROLL® 300 Plus

- 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 for a manual or automatic egress.

APPLICATION

- As and 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 allows for easy cleaning (stainless steel option is also available)
- In distribution and warehouse applications

DESIGN

Self supporting side frames are made of galvanised steel (optional stainless steel is available). Top roll is made of aluminum with ball bearings at both shafts.

DOOR CURTAIN

The RapidRoll® 300 Plus door curtain is made of clear PVC material with blue 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 RapidRoll® 300 remarkable wind resistance.

KNOCK-OUT CAPABILITY

The RapidRoll® 300 can be equipped with a knock-out capability. 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.

DRIVE UNIT

The drive unit is a gear motor with open circuit brake, and can be positioned on the right or left side of the door.

CONTROL SYSTEM

The door comes standard with an ACS 50 contactor control system. The optional MCC^{VectorControl} system is Albany's new, highly flexible frequency converter control system.

EGRESS (Option)

- 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 width / height ratio the door opens completely or partly (up to approx. 1.8 m)

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.

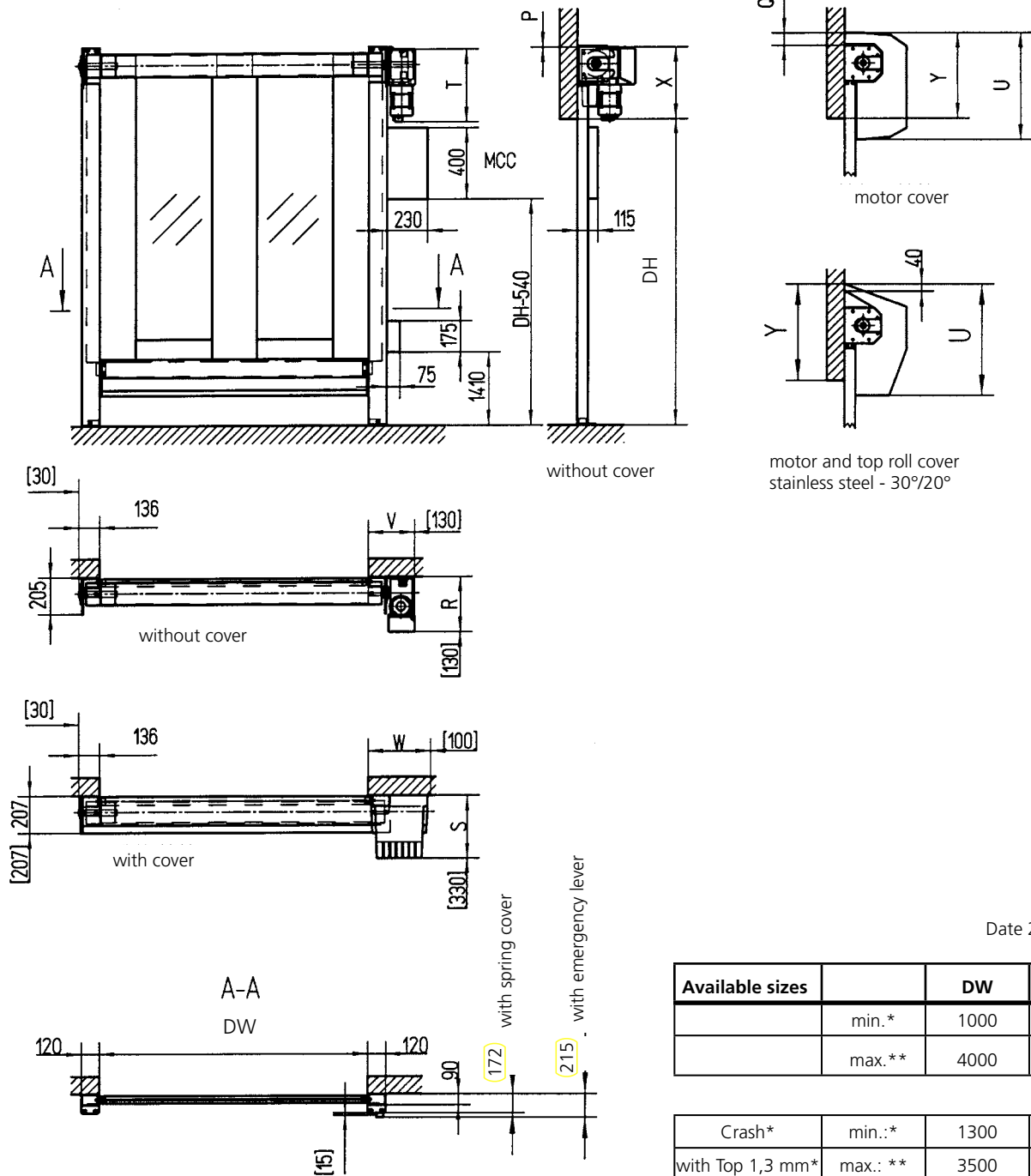
INDICATION OF RISK

The security of the door is designed for normal use and for vehicles in an industrial environment corresponding to the 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 an Albany Door Systems sales engineer.

Technical Data		
Interior door	suitable	
Exterior door	partially suitable	
Wind resistance	class 1- EN 12424	
Door dimension (mm)	For details please note general drawing!	
DW min. / max.	1000 / 4000 mm	
DH min. / max.	1000 / 4200 mm	
Opening direction	vertical	
Surface (alternatively)		
Side frames, steel galvanised	•	
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 blue/black	•	
RollTex® Plus*	•	
RollTex® Original*	•	
NomaTex® **	•	
* optional with windows	•	
** optional with vision panels	•	
Wind tabs	✓	
Curtain tension	•	
Counterbalance	✓	
Drive unit	electrical	
Control systems		
ACS 50	✓	
MCC ^{VectorControl}	•	
Safety		
Electrical safety contact edge	✓	
Door line photocall	✓	
Light curtain (integrated)	•	
Fall down protection	✓ by tension springs	
Knock-out capability	•	
Manual activation	✓ with bowden lever	
Second bowden lever	•	
Automatic egress	•	
Speed (m/s)	ACS 50	MCC^{VectorControl}
Open/close up to max. / m/s	1,2/1,2	2,2/0,9
Fuse protection	6,3 A	12 A
Control voltage	24 V DC	24 V DC
Protection	IP 55	IP 55
Motor power / kW	0,75 kW	0,75 kW
3L(N)/PE/220/230/380/400/415V;50 Hz	✓ ²⁾	
3L(N)/PE/380/400/415/440/480V;50/60Hz		✓ ³⁾
Potential free contacts max. 250 V	✓	•
Traffic light function		
Without direction detection	✓	✓ 24 V DC
With direction detection	—	✓ 24 V DC
Flashing alarm light	✓	✓ 24 V DC
Error message	✓ 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⁾ Transformer necessary for 440/480/500V ³⁾ Transformer necessary for 220/230/500V



Date 2006-10-10

Available sizes		DW	DH
	min.*	1000	1000
	max.**	4000	4200

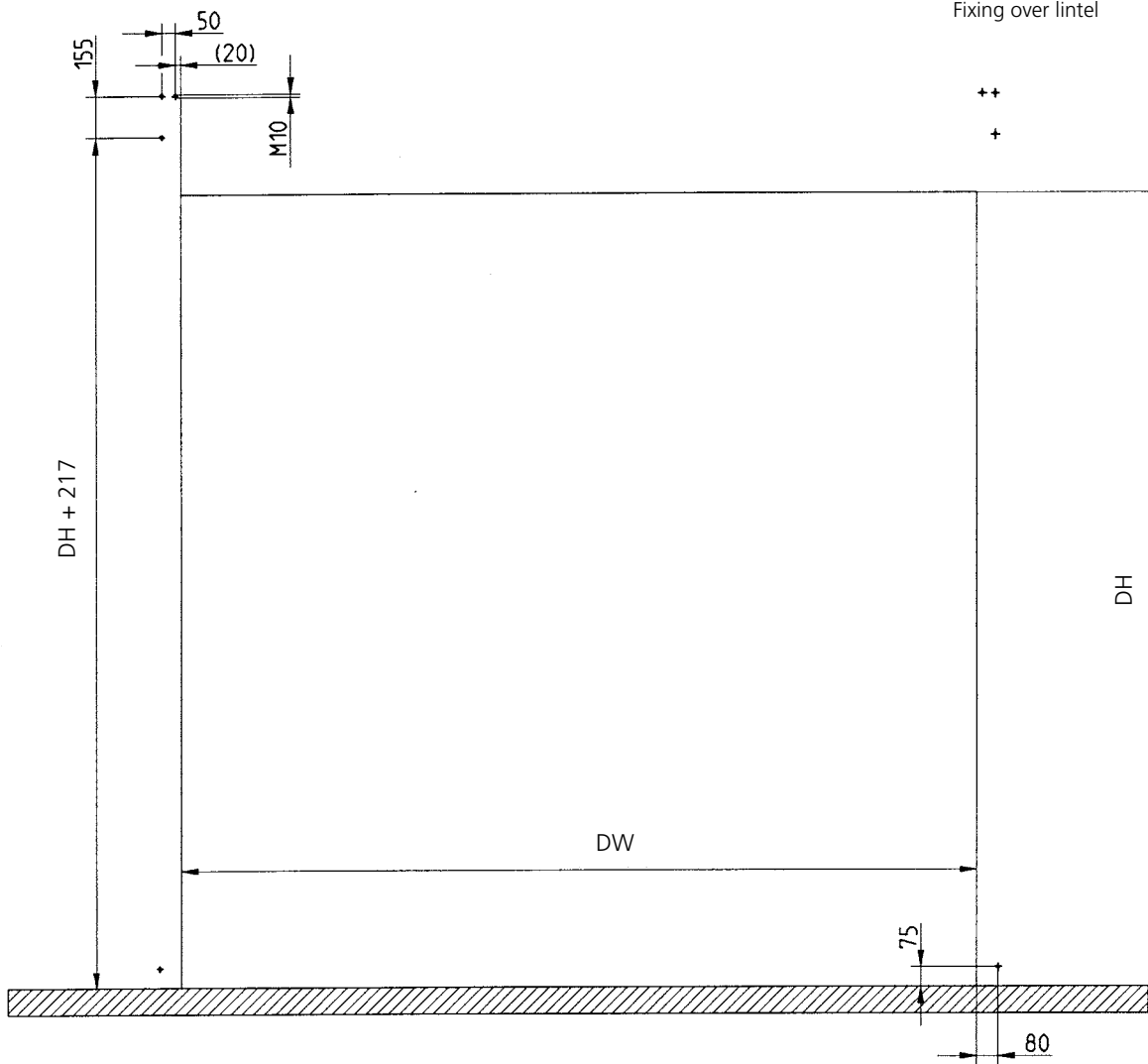
Crash*	min.:*	1300	1000
with Top 1,3 mm*	max.:**	3500	3500

Without motor cover	
	ACS 50/MCC ^{VectorControl}
X	443
V	285
R	315
T	500
P	45

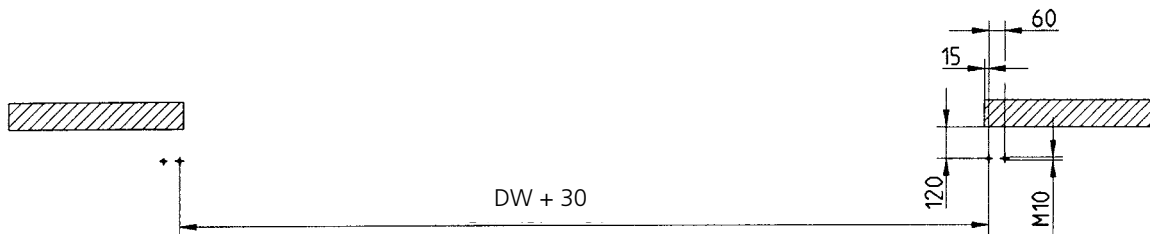
With motor cover				
	Plastic	Plastic with MCC ^{VectorControl} at side frame	30° ACS 50	30° with MCC ^{VectorControl} at side frame
Y	485	485	525	525
W	335	415	335	360
S	350	350	350	350
U	615	615	625	625
Q	80	80	125	125

Control Unit		ACS 50	MCC ^{VectorControl}
Opening speed	max.(m/s)	1,2	2,2
Closing speed	max.(m/s)	1,2	0,9
Dimensions WxHxD	mm	300x400x210	220x380x100

Fixing over lintel



Fixing to floor



MOTOR POSITION

Available left or right hand side.

MOTOR COVER¹⁾

Motor cover is not a standard door feature. Optional motor cover is available in plastic or stainless steel.

CONTROL BOX

The door comes standard with an ACS 50 contactor control system. The optional MCC^{VectorControl} system is Albany's new frequency converter control system.

SAFETY FEATURES

The door has an electrical safety contact edge. Standard in-line photocell prevents the door from closing when an object is in the doorway. Optional integrated light curtain is available for doors 1865 mm high.



TOP ROLL COVER¹⁾

Top roll cover is not a standard door feature. Optional top roll cover is available in galvanised steel or stainless steel.

SIDE FRAME

Side frames are available in galvanised steel or stainless steel.

DOOR CURTAIN

Standard door is made of clear PVC with blue/red reinforcement stripes. Optional door curtain includes RollTex® or NomaTex® curtain with/without windows or vision panels or PVC with silicon free reinforcement stripes.

BOTTOM PROFILE

Depending on door configuration the bottom profile is constructed with aluminum or stainless steel.

KNOCK-OUT CAPABILITY

The RapidRoll® 300 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 coily cable.

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.

Notes:

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



Products shown may include additional options.



Integrated cable chain (only available without knock-out capability).



Manual or automatic egress opens the door up to 1.8 m in the event of a power failure.



Motor cover is available in plastic grey RAL 7040 or stainless steel.



Optional integrated light curtain is available.



Products shown may include additional options.

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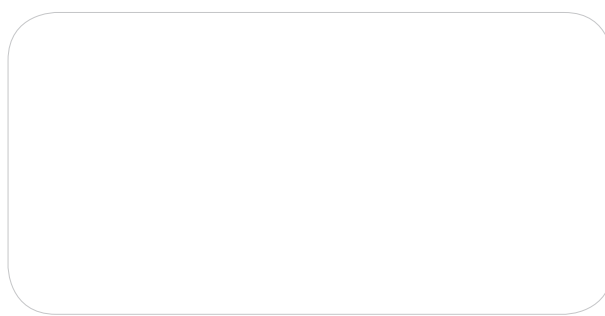
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