



sara[®]



Data Sheet
High Performance Door

Sprint 300

The modular door
You define the setup - we build your door

Room and climate partition

Stainless steel version for hygienic demands

Machine protection and materials handling



MCCVectorControl
Next generation of intelligent
door control systems by
sara / Loading Bay Specialists Ltd.

INTERIOR ● ○ EXTERIOR
PROCESS ○ ○ SERVICE

High Performance Door Sprint 300



One product in three styles;

Sprint 300 S constructed from galvanised steel

Sprint 300 A constructed from aluminium

Sprint 300 I constructed from stainless steel

ADVANTAGES OF sara SPRINT 300

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

APPLICATIONS

- 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 barrel cover available in galvanised steel, aluminium or stainless steel

DOOR CURTAIN

- Available in various materials and colours
- Wind tabs enhance wind resistance

KNOCK-OUT CAPABILITY

- Available for doors \geq 1300mm width
- Sensor stops door immediately upon impact
- Reduces damage to the bottom rail
- Easy manual reset

DRIVE UNIT

Hollow shaft gear motor with drop down safety gearbox can be positioned on the right or left side of the door.

CONTROL SYSTEM

Choice of one of the following three systems:

- ACS 25 for Sprint 300 S
- ACS 50 for Sprint 300 S, A, and I
- MCC^{VectorControl} for Sprint 300 S, A and I

MANUAL ACTIVATION

In the event of a power failure the door can be operated manually with a crank .

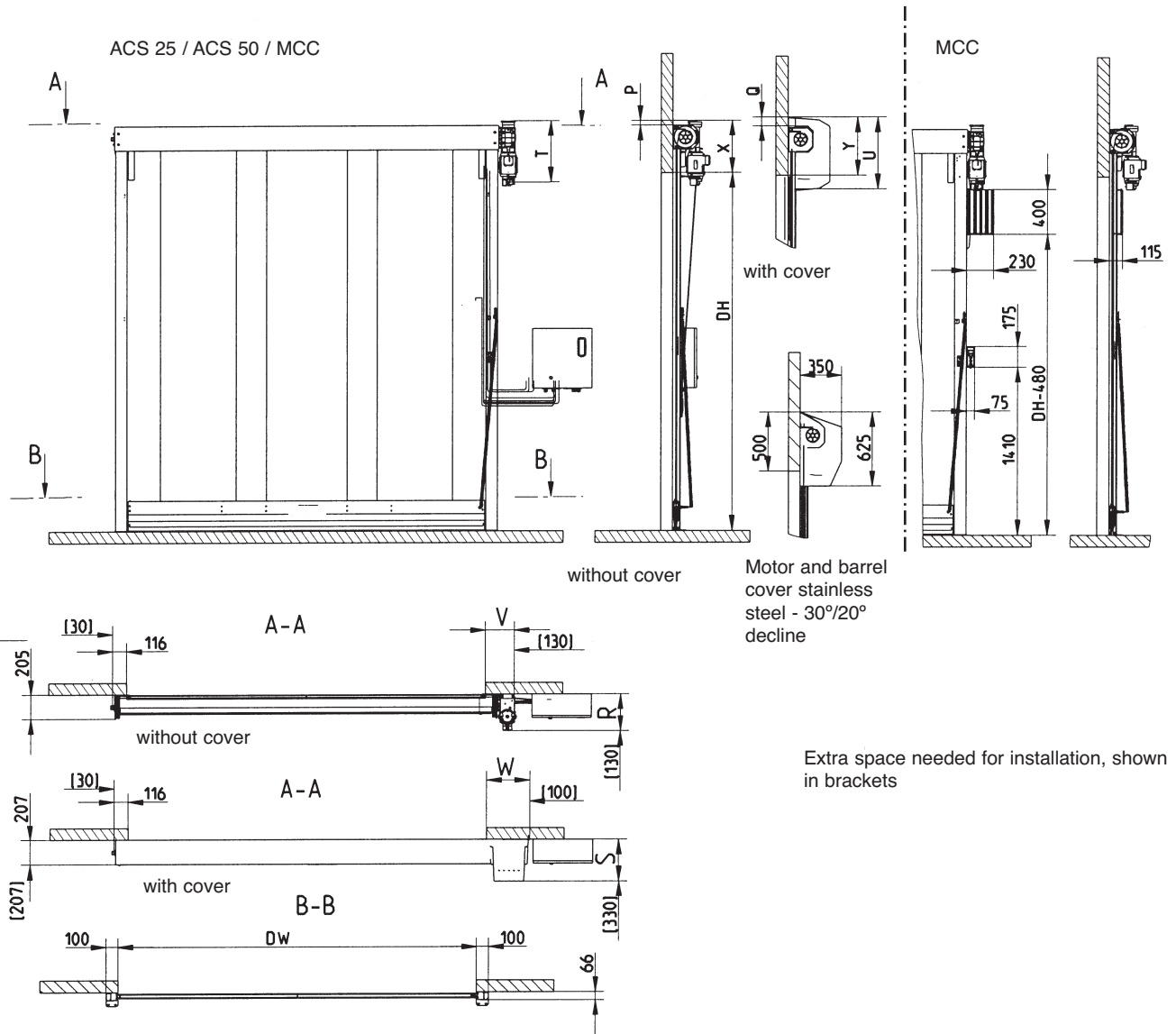
SAFETY FEATURES

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

RISK ASSESSMENT

The security of the door is designed for normal use for vehicles in an industrial environment corresponding to the harmonised CE Guidelines. In consideration of the situation on site, especially in case of use by pedestrians, additionally safety measures, like additional activators may be advisable. In addition, special environmental conditions may have impact on the right choice of door type. In case of any doubt, please contact **sara**.

Technical Data	Sprint 300		
Interior door	suitable		
Exterior door	in protected areas		
Wind resistance	class 1 - EN 12424		
Door dimension (mm)	for details please note general drawing		
DW min. / max.	1000 / 3500mm		
DH min. / max.	1000 / 3500mm		
Opening direction	vertical		
Surface (alternatively)			
Side frame	galvanised steel, stainless steel, aluminium		
Bottom profile	aluminium, stainless steel		
Knock-out capability	● ⁶⁾		
Barrel (alternatively)	aluminium, stainless steel, aluminium with stainless steel shaft		
Covers (alternatively)			
Barrel cover ¹⁾	galvanised steel, stainless steel, aluminium		
Motor cover ¹⁾	plastic, stainless steel, powder coated steel		
Door curtain			
PVC with coloured reinforcement stripes	✓		
PVC with silicon free reinforcement stripes	●		
RollTex® Plus*	●		
RollTex® Original (fine)* ²⁾	●		
NomaTex®** / ** ²⁾	●		
NomaTex® flame retardant ²⁾	●		
Travitop 0,8 max. 3 x 3m**	●		
* optional with windows	●		
** optional with vision panels	●		
Deeper flexible seal	●		
Wind tabs	✓		
Drive unit	electrical		
Chain drive	●		
Safety			
Electric self-testing safety edge	✓		
Door line photocell	✓		
Drop-down protection	✓ (in drive unit)		
Control systems	ACS 25, ACS 50, MCC		
Motor power	0,37 / 0,75 kW		
	ACS 25	ACS 50	MCC^{VectorControl}
Speed			
Open/close up to	0,8/0,8 m/s	0,8/0,8 m/s	2,0/0,8 m/s
Fuse protection - internal	on site 10 A	6,3A	12 A
Control voltage	24 V DC	24 V DC	24 V DC
Protection	IP 55 ³⁾	IP 55	IP 55
3L(N)PE/220/230/380/400/415 V; 50Hz	✓ ⁴⁾	✓ ⁴⁾	
3L(N)PE/380/400/415/440/480 V; 50/60 Hz			✓ ⁵⁾
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	✓ Code	✓ LED	✓ plain text
✓ Standard ● Option — not available			
¹⁾ For doors of height \leq 2500mm the use of barrel and motor cover is required according to standard EN 13241-1.			
²⁾ Not available for ACS 25 ³⁾ with CEE-plug IP 54			
⁴⁾ Transformer necessary for 440/480/500V			
⁵⁾ Transformer necessary for 220/230/500V			
⁶⁾ If knock-out is chosen curly cable is used			

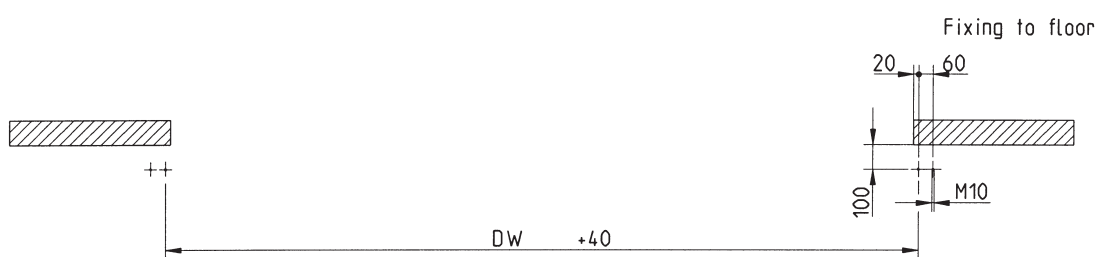
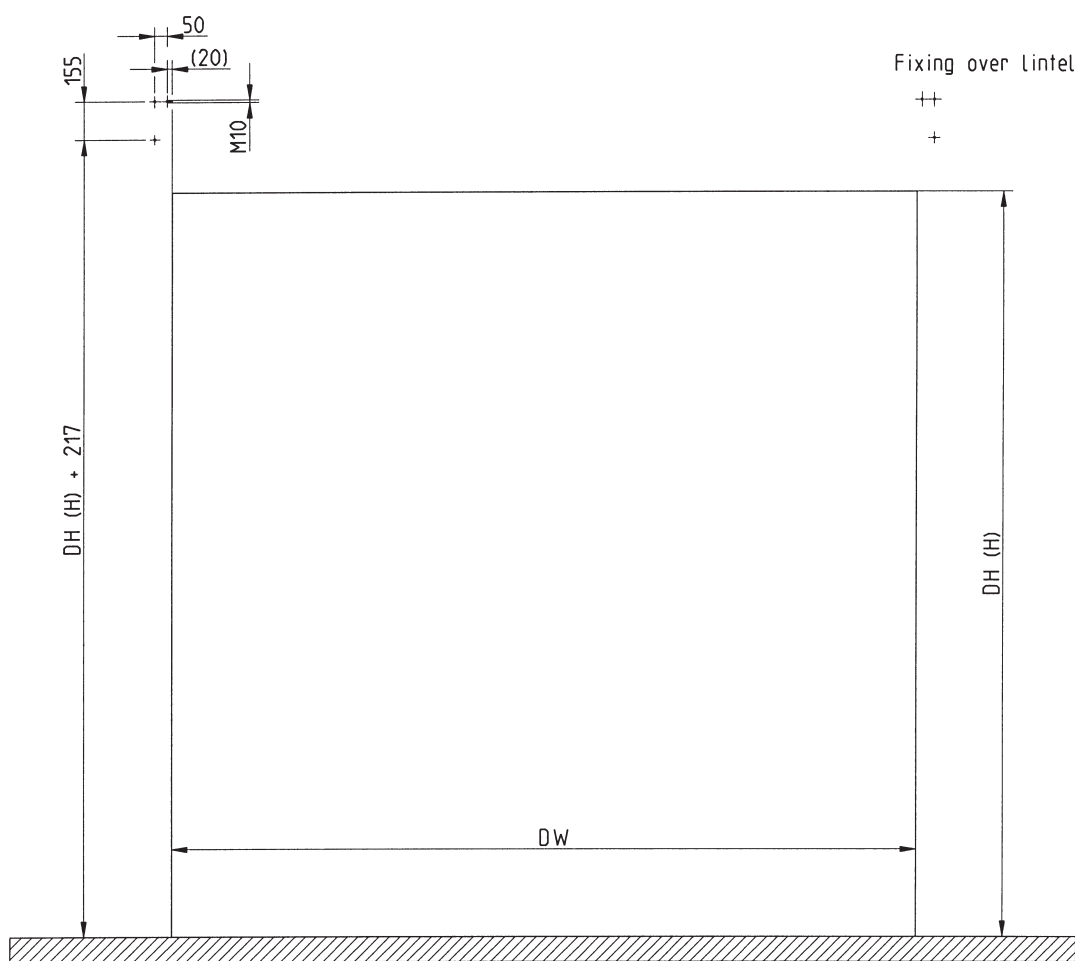


Available sizes		DW	DH
	min.	1000	1000
	max.	3500	3500
Knock-out	min.	1300	1000
Travitop 0,8mm	max.	3000	3000

	Without motor cover		
	ACS 25	ACS 50	MCC
X	400	440	400
V	260	260	260
R	240	310	240
T	415	517	415
P	0	50	0

	With motor cover		
	Plastic	Steel	Stainless Steel
Y	490	490	540
W	350	335	315
S	350	340	350
U	610	645	625
Q	70	64	130

Control unit		ACS 25	ACS 50	MCC
Opening speed	max.(m/s)	0,8	0,8	2,0
Closing speed	max.(m/s)	0,8	0,8	0,8
Dimension WxHxD	mm	190 x 300 x 115	300 x 400 x 210	220 x 380 x 100



MATERIAL

- galvanised steel
- aluminium
- stainless steel

MOTOR POSITION
available left or right hand side

MOTOR COVER¹⁾
Standard; Delivery without motor cover.
Option; Motor cover can be specified.

- plastic (blue or black)
- powder coated steel
- stainless steel

CONTROL BOX

- depending on requirements for opening/closing speed and activators, three different control systems can be chosen: A basic control system ACS 25, ACS 50, to the innovative frequency converter control system MCC^{VectorControl}

KNOCK-OUT CAPABILITY²⁾

- available for doors $\geq 1300\text{mm}$ width
- reduces damage to the bottom rail
- easy manual reset

SAFETY FEATURES

- self testing electrical safety edge
- door line photocell

BOTTOM PROFILE

- aluminium
- stainless steel
- low bottom profile for doors with reduced space requirement over lintel (only alu)

BARREL

- aluminium barrel with galvanised shafts
- options:
 - aluminium barrel with shafts and bearing in stainless steel
 - barrel and shafts made from stainless steel

BARREL COVER¹⁾

- standard door is delivered without barrel cover
- as option, barrel cover can be chosen from:
 - galvanised steel (S)
 - aluminium (A)
 - stainless steel (I)

DOOR CURTAIN CHOICES INCLUDE:

- clear PVC with reinforcement stripes
- Travitop
- RollTex[®]
- NomaTex[®]

COLOURS

- basic colours red and blue
- large variety of other colours on request, depending on choice of door curtain material

WINDOWS

- standard for door curtains made from clear PVC with coloured reinforcement stripes
- options for other types of curtain:
 - NomaTex[®] with windows or vision panel
 - RollTex[®] with windows

ACTIVATORS

Individual applications can include additional safety devices. Activators such as infrared, radar detectors, push buttons, induction loops or radio transmitters can be added to the control system. Please contact **sara**.

Notes:

¹⁾ For doors of height $\leq 2500\text{mm}$ the use of barrel and motor cover is required according to standard EN 13241-1.

²⁾ If knock-out is chosen, curly cable is used for connecting the electric self-testing safety edge.

Products shown may include additional options.



Frequency converter control system MCC^{VectorControl}



Compact dimensions and integrated door design. Easy wiring by pluggable connections.



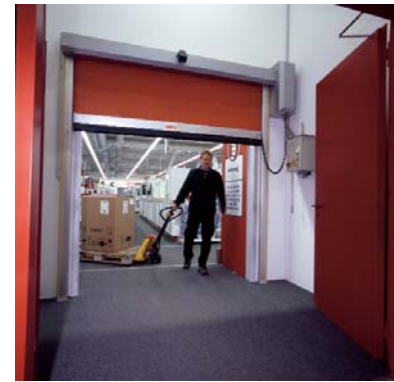
Compact frequency converter control system with vector control technology for smooth operation of the door.



Display unit in a small box placed at the side frame.



Display unit with foil keys and a graphical display offering easy operation and maintenance.



Products shown may include optional accessories.



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All specifications subject to change without notice

