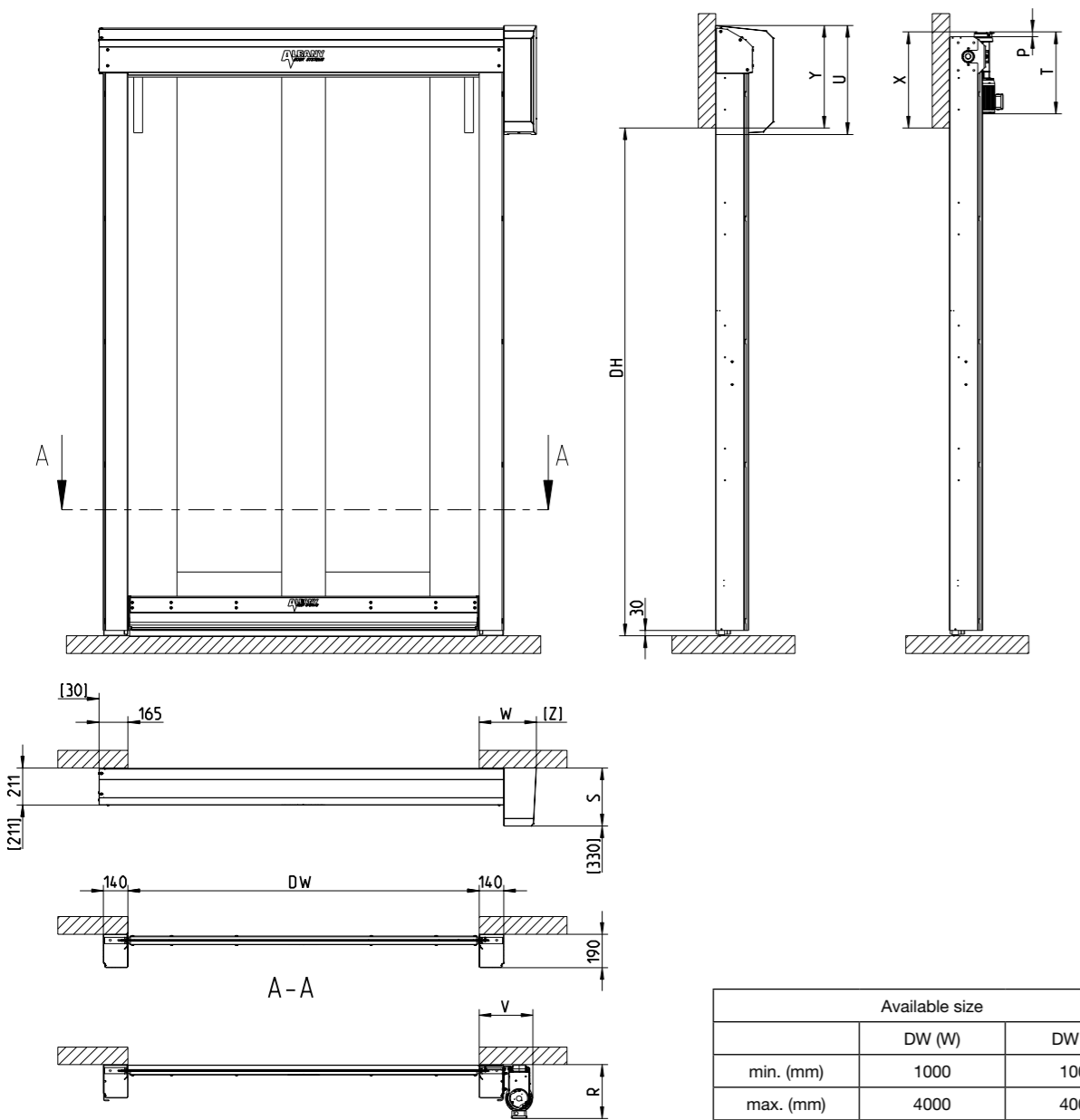


Rapid Food Door: General Drawing



Available size		
	DW (W)	DW (H)
min. (mm)	1000	1000
max. (mm)	4000	4000

Without a motor cover		With a motor cover	
	MCC Vector Control (mm)		Stainless steel (mm)
X	440	Y	470
V	305	W	330
R	315	S	330
T	550	U	620
P	45	Z	110

() = Free assembly space

MCC Vector Control		
Opening speed	max. (m/s)	2.2
Closing speed	max. (m/s)	1.0
Dimensions W x H x D	max. (mm)	500x500x210

Preventative Maintenance Contracts

sara LBS offers 1, 3 and 5 year service contracts to help make sure that your equipment is well maintained throughout its life. Whether you bought your loading bay equipment from sara LBS or elsewhere, our CSCS trained engineers are able to ensure that your loading docks, scissor lifts, dock shelters, high speed doors etc. are maintained to the highest standard.

Contracts include regular servicing of equipment, preventative maintenance to stop a problem before it leads to downtime, and regular site inspections. Many of the UK's leading manufacturers and distributors use sara LBS to maintain their facilities, even if the original equipment isn't sara LBS branded.

sara LBS maintains one of the largest UK service networks for loading bay equipment and has engineers on the road 24/7. Service centres can be found across the UK.



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DATA SHEET



Rapid Food

High Performance Door



The door for the food industry

- Protection against contamination and rises/falls in temperature
- Separation of sterile and non-sterile areas
- Protection against pests



- INTERIOR
- EXTERIOR
- PROCESS
- SERVICE

Rapid Food Door

Particularly suitable for:

- Access to production, washing and storage areas
- Entry/Exit to transport areas
- Protection against contamination and rises/falls in temperature
- Separation of sterile and non-sterile areas
- Protection against pests



DOOR MATERIAL

The entire door (side frame, motor and barrel cover, bottom profile) consists of V2A stainless steel.

DOOR CURTAIN

The door has a curtain of clear PVC with vertical blue fabric stripes. Other versions with fabric reinforcement stripes in a wide variety of RAL colours may be delivered on request. A FDA-tested PVC curtain with white reinforcement stripes is available on request.



MANUAL ACTIVATION

In the event of interruption or a power failure, the door can be opened via an emergency crank handle. As an option, the door can open automatically by pulling the Bowden lever and lifting the door up. The Bowden lever releases the brake and the counterbalance system pulls the door up.

HINGED SIDE FRAMES

The side frames may be opened easily for the cleaning and disinfection of the internal area.



BOTTOM PROFILE

A gutter on the Bottom profile prevents liquids from the curtain from dripping into the clear opening.



SAFETY FEATURES

As standard the door is equipped with an electrical safety contact edge and a door line photocell.

Optional a pre-running safety photocell may be installed instead of an electrical safety contact edge.



MOTOR AND BARREL COVER

As an option the door can be equipped with a stainless steel motor and barrel cover. For cleaning purposes the barrel cover is always hinged.



MOTOR POSITION

The drive unit is a geared brake motor. It is positioned by choice on the right or the left.

FREQUENCY CONVERTER CONTROL

MCC^{VectorControl} technology is applied as a control system. The user interface has a graphical display and comfortable foil keyboard. Extensive diagnostic and troubleshooting messages can be read directly from the display.



OPEN SIDE PROFILE

The side supports are open at the bottom, so that the cleaning water can run off without problems and no debris can remain.



Rapid Food Door



Food processing represents a working environment which places extraordinarily high and specific demands on the operating resources deployed within it. In this way, a high degree of hygiene is required in these areas, which thus requires a high degree of resistance by deployed operating resources to aggressive cleaning materials. Doors in these areas must be easy to clean and disinfect and must be insensitive to cleaning agents, as well as preventing the penetration of dirt. In many areas, doors must be opened rapidly and closed again at all times, e.g. in order to maintain a constant room temperature. The components used, such as side supports and stainless steel panels, door curtains suitable for food with large exposed surfaces and the safety equipment of the doors, ensure trouble-free operation in food and hygienic areas. For these areas, sara has developed the Rapid Food food door. It is distinguished by very good cleanability. The door has been developed taking into account rules and regulations from the area of food processing machinery.

- Advantages of the Rapid Food high-speed roll door**
- Best suited to passages and for closing off hygienic areas in the food processing industry.
 - Execution in stainless steel
 - Fast opening and closing ensure constant temperature
 - Smooth, easily cleaned surface
 - Hinged side frames for easy and thorough cleaning (optional)
 - Integrated cable routing ensures a smooth total surface area
 - Space-saving construction
 - A gutter on the bottom profile prevents liquids from the curtain from dripping into the clear opening.
 - Hinged barrel cover with a slant
 - Curtains FDA-tested (optional)
 - Liquids can completely run off the side frames
 - Tight sealing (mouse proof)
 - Counterbalancing through the stainless steel counterweight (optional)

Door design
The entire door, side frames, barrel and motor cover and the bottom profile are made of V2A stainless steel.

Door curtain
The door has a curtain of clear PVC with vertical blue fabric reinforcement stripes. A wide range of RAL colours of the reinforcement stripes are available on request. As option a FDA-tested PVC curtain with white reinforcement stripes are available

Drive
The drive unit is a geared brake motor. It may be fitted on the right or left.

Control
An MCC^{VectorControl} frequency converter is available as a control.

Manual activation
In the event of interruption or a power failure, the door can be opened via an emergency crank handle. As an option, the door can open automatically by pulling the Bowden lever and lifting the door up. The Bowden lever releases the brake and the counterbalance system pulls the door up.

Safety devices
The door complies with the provisions of the German Workplace Ordinance, the German Accident Prevention Ordinance (UVV), the harmonised CE directives and the EN 13241-1 product standard.

Indication of risk
The door safety devices are designed for the normal use of power-operated doors in accordance with the harmonised CE directives. In addition, aggravated environmental conditions may affect the proper use of doors in food processing industries. In such situations, we recommend that you consult our local sales engineers for expert advice on specific situations.

TECHNICAL DATA

Operational area	Hygienic areas, food processing industries
Wind resistance	Class 1 – EN 12424
Door dimensions (W min./max.) (H min./max.)	1000 / 4000 mm 1000 / 4000 mm
Opening direction	vertical

Surface material V2A stainless steel	
Side frames	✓
Bottom profile	✓
Barrel cover with slant ⁰⁾	•
Motor cover with slant ⁰⁾	•

Door curtain	
PVC with blue/ red reinforcement stripes	✓
PVC with coloured fabric stripes	•
PVC with white reinforcement stripes	•

Control / Drive unit	
Drive unit	electric
Motor power	0.75 kW
Control system	MCC ^{VectorControl}
Adjustable additional opening height	✓
Potential free contacts max. 250 V	•
Fuse protection ¹⁾	10 A ¹⁾
Control voltage	24 V DC
Protection degree	IP 55
3 L/(N)PE 380/400/440/480 V; 50/60 Hz	✓ ²⁾
Open/close speed up to max.	2.2 / 1.0 m/s

Safety	
Electrical safety contact edge	✓
Door line photocell	✓
Pre-running safety photocell	•
Counterbalance system with self-opening by bowden lever	•
Knock-out capability with pre-running safety photocell	•
Manual activation with an emergency crank handle	✓

Notifications	
Traffic light function	•
Error message MCC ^{VectorControl}	✓ plain text

- Option
- ✓ Standard
- ⁰⁾ For doors with a height of ≤ 2.5 m, a barrel and a motor cover is required in order to comply with the requirements of standard EN 13241-1.
- ¹⁾ 10 A preferred, 16 A max.
- ²⁾ Transformer necessary for 220/230/500 V