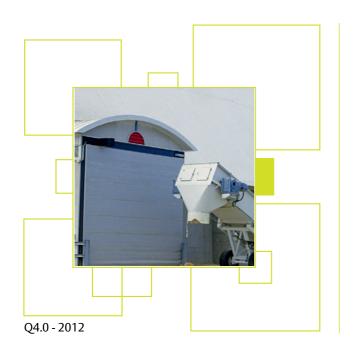
Megadoor S800 Vertical fabric folding door

Product datasheet





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Technical facts

Features

Max size: (W / H)*	8000/12000 mm	
Door leaf thickness:	100 mm	
Fabric types:	Standard: Polyester (coating: plasticised PVC)	
	Options: Arctic, sound reduction, heat resistant, security	
Color:	9 standard RAL colors	
Guide rails material:	Aluminium	
Windows:	Vision panels (800 x 800 mm standard)	
Seals:	Bottom, side and top seal	
Operation:	Standard: Electrical operator	
	Optional: Automated operation, Access control, Safety functions	

^{*} Other sizes may be available on request

Performance

Operating speed:	Normal opening speed: 0.2-0.3 m/sec
	Increased opening speed: 0.4-0.6 m/sec
Wind load resistance*:	0.7-1.6 kPa depending on size
(differential pressure)	(class 3-5, EN 12424)
Wind speed, door in motion:	< 20 m/s
Sound reduction (standard):	15 dB Rw (ISO 717)
Water resistance:	0.11 kPa for closed door
	(class 3, EN 13241)
Air permeability:	12 m ³ /(m ² h) (class 2, EN 13241)
Operating environment temperature range:	-35°C to +70°C

^{*} Higher wind loads on request.



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Description

1.1 General

The Megadoor S800 vertical fabric folding door is especially designed for extreme industrial environments where doors are exposed to moisture, dust and very high or low temperatures, or where the door opening is large.

The unique design and structure offers durability, tightness, energy efficiency, operational reliability and minimum maintenance. Every door is individually designed to meet application requirements, for example wind load.



The Megadoor S800 vertical fabric folding door has 4 primary parts:

- 1) Door leaf
- 2) Guide rails
- 3) Header box
- 4) Operating system

1.1.1 Standard

The Megadoor S800 vertical fabric folding door is supplied with the following specifications as standard:

Door leaf:	Polyester, 1100 dtex with plasticised PVC coating	
Safety: Safety arresters		
	Optical safety edge	
Operation:	n: Operator + control unit	
Colors:	Choice of 9 standard RAL colors	

1.1.2 Options

Megadoor provides a wide range of options and accessories to customise the Megadoor S800 vertical fabric folding door to any customer's needs. For example:

Door leaf:	Arctic, heat resistant, sound reduction and security fabrics	
	Vision panels	
	Clamp strip covers	
Guide rails:	Jambs for protection and insulation	
	Heating cables	
Header box:	Protective cladding	
Colors:	Colors: Optional colors on request	
Operation: Automation		



1.2 Door leaf

1.2.1 Construction

The door leaf is made of two layers of very strong vinyl-coated polyester fabric, separated by aluminium intermediate sections. The aluminium top section is bolted to the header box, the steel and aluminium bottom section is connected to the lifting belt via the safety arresters.

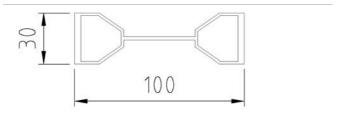
The fabric is attached to both sides of the intermediate sections, top section and bottom section with self-tapping screws through aluminium clamp strips, providing maximum tightness.

Wind load is transferred to the vertical guide rails by the horizontal aluminium sections of the door leaf.



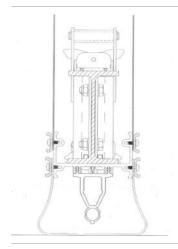
1.2.2 Intermediate section

The intermediate sections give strength to the door leaf and create a buffer between the inside and outside fabric walls. Self-lubricating slide blocks at each end of the intermediate sections run in the guide rails when the door opens and closes.



1.2.3 Bottom section

The bottom section, made of steel and aluminium, is connected to the lifting belt via the safety arresters. The bottom section contains an optical safety edge and a rubber seal on the bottom edge that creates a seal between the door and the floor.



1.2.4 Safety arresters

The safety arresters are connected to each end of the bottom section. The lifting belt is connected to the safety arresters.

The safety arresters have four hooks. The two upper hooks operate as a wind lock when the door is closed. The two lower hooks are the safety hooks and grip the guide rails to stop the door if the lifting belt becomes slack or, in an unlikely event, would break.





1.2.5 Material

Standard Fabric

The standard door-leaf fabric is a single sheet of heavyduty vinyl-coated polyester. The fabric is resistant to mechanical abrasion and sparks generated from mechanical processes such as welding.

The standard fabric is available in 9 standard colors, however other colors are available on request.

Arctic Fabric

The arctic fabric replaces the standard fabric in environments where the temperature can be as low as - 45°C. It is only available in blue (RAL 5010).

Sound-reduction Fabric

The sound-reduction fabric is for use in environments where the transmission of sound through the door must be reduced. It is installed on both sides of the door leaf.

Heat-resistant Fabric

The heat-resistant fabric replaces the standard fabric on the inside of the door leaf when there is a requirement to contain heat and/or chemical hazards. It is available with three different coatings dependant on the environment where it is going to be used.

Security Fabric

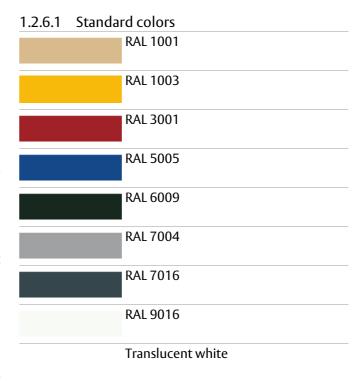
The security fabric is for use in environments where security is important. It is similar to the standard fabric with the addition of galvanized steel wires inside the fabric. It is installed on both sides of the door leaf behind the standard fabric.

Vision Panels

Vision panels (windows) are available for the standard and arctic fabrics to improve light admission and visibility through the door leaf. The vision panels are available in four different sizes.

1.2.6 Colors

The RAL-colors are as close as possible to the official RAL HR collection.



1.2.6.2 Optional colors

Other colors are available on request.

1.2.7 Options

Clamp strip covers

Clamp strip covers are plastic strips that clip onto the clamp strips. They are available in the same standard colors as the fabric.

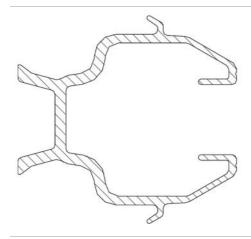
The benefits of the clamp strip covers are:

- Improve the appearance of the door leaf
- Cover the screws
- Protect the door leaf from discoloration in certain environments.

1.3 Guide rails

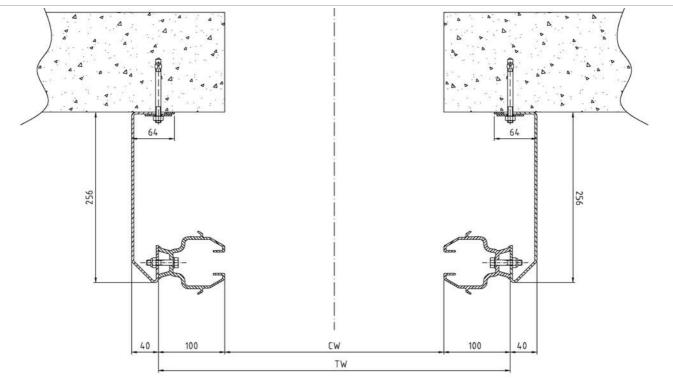
The vertical guide rails are made from extruded aluminium. The lubrication-free slide blocks at each end of the door leaf sections travel through these guide rails.

The guide rails have weather sealing on the inside and outside faces. There is also a space inside the guide rails for the lifting belt of the drive unit and safety arresters.



1.3.1 Jambs

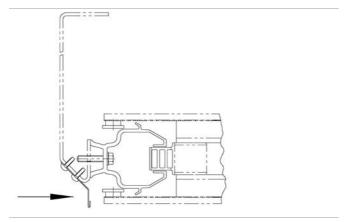
If posts for installing the guide rails are not available, stable jambs can be provided. These jambs can be installed, against a concrete or steel wall structure, in the same way as the guide rails. It is possible to insulate the jambs, but material for the purpose is not included in the delivery. The jambs are made of steel painted black.





1.3.2 Wind deflectors

Used with jambs to avoid strong side winds, pressing sand or snow inside the door leaf.



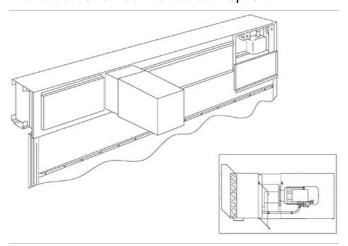
1.4 Header box

The header box contains the gear motor, the belt drum, lifting belts, pulleys and limit switch boxes. It can be installed with the gear motor on the inside or the outside of the building. As standard, the motor side of the header box is enclosed by powder-coated sheet steel covers. Hatches allow access to components that need maintenance.

1.4.1 Header box options

1.4.1.1 Non-motor side covered

If the header box is positioned in the door opening with the gear motor facing inwards, the non-motor side should be fitted with a cover. An inspection can still be done from the motor side, in this case from inside the building. The header box can be insulated as an option.



1.4.1.2 Protective casing for motor

In corrosive or dirty environments, the motor should be fully protected. The protective casing is made of powder-coated sheet steel. The casing has a hatch to facilitate easy access to the motor for emergency operation. The casing is detachable. Existing doors can also be equipped with a protective casing.

1.4.1.3 Stainless steel cladding and motor casing

In corrosive environments, the header box, including the mechanical unit, can be enclosed in stainless steel casing.

1.4.1.4 Cover for limit switch boxes

An optional steel cover for the limit-switch box provides protection from dirt and moisture.

1.4.1.5 Dust proof limit switch boxes

An optional dust-proof limit-switch box (IP64) replaces the standard limit-switch box. This provides full protection from dry particles of any size.

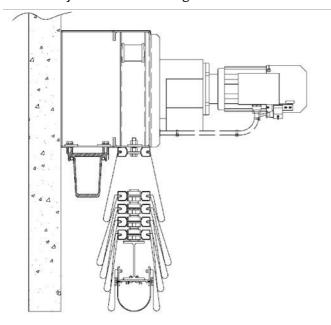


1.4.1.6 Heater in limit switch boxes

In environments with very low and variable temperatures where humidity is high, it is recommended to use heaters to avoid moisture inside the limit-switch boxes.

1.4.2 Self-supporting header box

If there is no suitable installation surface above the door opening, a self-supporting header box can be installed. A supporting beam, installed on the bottom of the header box, transfers the weight of the header box and the door leaf via the jambs to the building.



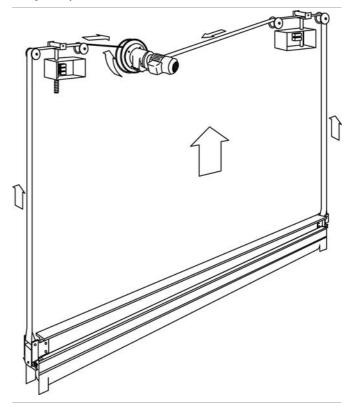
1.5 Operating system

1.5.1 Electrical operation

The Megadoor S800 Vertical fabric folding door is always supplied with an electrical operating system, a control unit near the door and a gear motor in the header box.

The door is opened by an impulse from the UP-button or from an optional device, such as a radar or magnetic loop.

The door is closed by an impulse from the DOWN-button or by an optional device.



1.5.2 Belt system

The belt system consists of one lifting belt that can withstand corrosion, dust and dirt. This belt is connected to the safety arresters at both ends of the bottom section, through the guide rails, up to the belt drum. The belt drum is installed on the output shaft of a braked reduction-geared motor by a keyed joint.

1.5.3 Gear motor

The gear motor is suited for the actual weight of the door leaf. The electric gear motor winds the belt onto a drum.

In the event of a power failure, the door can be manually operated by means of a hand crank connected to the motor. The gear can be removed without disturbing the limit switch adjustment.



1.5.4 Control unit \$800

The door is supplied with a PLC-based control unit installed near the door. The control unit commands the gear motor via push buttons or via external activators, e.g. a mechanical loop or radar.

The UP and DOWN buttons are operated by impulse. The DOWN button can bet set to hold-to-run. The gear motor can be disabled from the control unit for emergency hand-crank operation by switching off the mains.



1.5.4.1 PLC

The control until contains a PLC for the setting of timers, automatic and safety functions. The PLC is programmed and configured before delivery. The menu gives the following information:

- Number of days of operation and number of door openings from the start since the door was last serviced.
- Current settings
- Diagnostics.

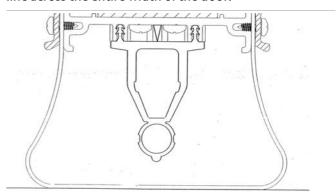
1.5.4.2 Heating element

An optional heating element can be installed in the control unit, to avoid moisture inside the unit at low and variable temperatures and in moist air

1.5.5 Safety edge

The Megadoor S800 Vertical fabric folding door has an optical safety edge on the bottom of the door. If the door hits an obstacle, the IR-beam is interrupted. The door will stop and return to its original position.

The optical beam runs through an enclosed rubber tube. The steel profile in the bottom section ensures a straight line across the entire width of the door.



1.5.6 Access and automation

Megadoor offers a wide range of functions that allow advanced opening and safety control.

1.5.6.1 Basic control functions

Hold-to-run control

If required, the door can be supplied without safety edge, with closing by hold-to-run control as only alternative.

Interlocking



Developed for climate control or safety; if door A is open, door B cannot be opened. If door B is open; door A cannot be opened. Selector switch in control unit.

Reduced opening

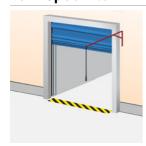


When it is unnecessary or undesirable to fully open a door, an additional timer can be used to open the door to a preprogrammed reduced opening position.

Selector switch in control unit.

1.5.6.2 External control functions

Pull-rope switch



A pull rope switch next to the door opening can be operated from e.g. a forklift truck. Pulling the rope opens a closed door or closes an open door.

Installed on the wall, with bracket.

External push button box



An extra control box is installed outside the building or inside close to the door if the main control unit needs to be installed away from the door opening.

Installed on the inside or outside wall beside the door.

Remote control



A hand-held radio transmitter allows door operation from a vehicle or any position within 50-100 meters from the receiver and aerial at the door. For closing, the door can be provided with a photocell beam.

Receiver installed in control unit, antenna installed on the wall beside the door.

1.5.6.3 Automatic control functions

Magnetic loop



A sensor in the floor detects a metal object (usually forklift trucks, pallet trucks) and opens the door automatically. This is an ideal solution for frequent vehicle traffic.

Installed on the outside, inside or both sides of the door in the ground.

Radar



An infrared sensor above the door detects an object (person, vehicle) within a specified distance from the door and opens the door automatically. This is an ideal solution for frequent vehicle or personal traffic. Often combined with automatic closing.

Installed on the inside or outside wall above the door.



Automatic closing



A programmable timer that closes the door after a specified time, counted from either the fully open position and/or from passing through the photocell beam.

Selector switch in control unit.

Automatic opening and closing



A programmable timer that closes the door after a specified time, counted from either the fully open position and/or from passing the photocell beam. A sensor, e.g. a magnetic loop or a radar, is used for automatic opening.

Selector switch in control box and magnetic loop or radar.

1.5.6.4 Safety functions

Safety photocells 1-channel



A set of a photocell transmitter with reflector or receiver is installed in the door opening. If the photocell beam is interrupted during closing, the door will stop in less than 30mm and reverse to the fully open position.

Installed in the door opening.

Safety photocells 2-channel



Two sets of photocell transmitters with reflectors and receivers are installed in the door opening. If one or both photocell beams are interrupted during closing, the door will stop in less than 30mm and reverse to the fully open position.

Installed in the door opening.

Warning lights - Red



One or two red warning lights indicating that the door is moving or closed; continuous light when the door is closed, flashing light when the door is moving or not fully open.

Installed on the inside and/or outside wall beside the door.

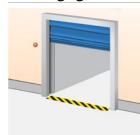
Warning lights - Green



One or two green warning lights indicating the open position of the door by continuous light signal.

Installed on the inside and/or outside wall beside the door.

Warning lights - Orange flashing lights



Flashing light during door movement.

Optional; Flashing lights during an adjustable time period before automatic closing. Automatic closing required.

Installed on the inside and-or outside wall beside the door.

Emergency power switch



An external power switch can be enabled, as a backup system, in case of a power failure.

Supplied with steel casing and power inlet socket.

1.5.6.5 Additional functions

Increased opening speed

The door can be equipped with an optional motor that doubles the opening speed to 0.4 - 0.6 m/s.

2. Specifications

2.1 Clear width and clear height

The standard Megadoor S800 vertical fabric folding door is delivered in the following size range:

Standard door sizes*			
	Clear width	Clear height	
Min.:	1810 mm		
Max.:	8000 mm	12000 mm	

^{*} Other sizes may be available on request

2.2 Performance

Door leaf thickness	100 mm
Normal opening speed	0.2 - 0.3 m/s
Increased opening speed	0.4 - 0.6 m/s
Resistance to wind load/standard differential pressure (higher wind load resistance on request)	0.7-1.6 kPa*class 3-5 depending on door size
Resistance to water penetration	0.11 kPa (class 3)
Thermal transmittance	Depends on door size
Air permeability	12 m³/(m/h), (class 2) acc. to EN13241
Sound reduction	15 dB Rw, acc. to ISO 717

2.3 Environmental tolerance

Heat and cold resistance	-35°C to +70°C
Atmospheric humidity	below dew point
Presence of particles	< 1000 μg/m³ air
Mechanical load, blasting	Not directly aimed.
Differential pressure, closed door	Class 3 (EN12424, temporary 0.7 kPa)
Wind speed, in motion	< 20 m/s
Acidity	Condensate at 5 <ph<9< td=""></ph<9<>
Explosive fumes or dust	No occurrence.

^{*}In the normal version, the door is suited for operation in environments within the limits stated above. If the requirements exceed these limits (e.g. wind load), the door can often be modified on request.

2.4 Surface treatment

Steel components	For corrosion, category 3 according to ISO 12944.2. Higher class on request.	
Other parts	Aluminium, plastic, stainless steel, zinc electroplated steel ($\sim 10\mu$). Fixing elements are zinc electroplated ($\sim 10\mu$).	
	Door leaf screws are corrosion protected with Geomet.	



2.5 Door leaf

2.5.1 Fabric data

2.5.1.1 Standard fabric

2.3.1.1 Standard labric					
Application	Standard				
Use	Standard				
Coating	Plasticized PVC				
Fabric	Polyester, 1100 dtex	Polyester, 1100 dtex			
Weight	700 g/m ²				
Heat- and cold resistance	-35°C to +70°C				
Tensile strength	Warp : 2700N/5 cm a	cc. DIN 53354, EN ISO 142	1		
	Weft : 2500N/5 cm acc. DIN 53354, EN ISO 1421				
Tear resistance	Warp: 370N acc DIN	53363			
	Weft : 320N acc. DIN 53363				
Resistance to light	6 - 8 (on a scale 0-8) acc. BS 1006				
	>7 acc. ISO 105-B02				
UV-stabilized	Yes				
Flame resistant	Yes, acc. SIS 650082,	ASTM E84-94 class A, DIN 4	102 B1		
Mildew resistant	Yes				
Rot resistant	Yes				
Radar reflection	0.3 dB, - 0.1%				
Lacquered	Yes				
Standard colors	• Tan	NCS 2010Y-40R	RAL 1001		
	 Yellow 	NCS S0570-Y20R	RAL 1003		
	Red	NCS 2070-R	RAL 3001		
	 Blue 	NCS S3560-R80B	RAL 5005		
	 Green 	NCS 8010-G10Y	RAL 6009		
	 Grey 	NCS 3500	RAL 7004		
	 Anthracite grey 	NCS 8005-B20G	RAL 7016		
	 White 	NCS 0500	RAL 9016		
	 Translucent whit 	e			
Logotype	Optional				
Vision panels	Optional				

2.5.1.2 Arctic fabric

Environmental temperatures down to -45°C	
Replaces standard fabric	
PVC/PU (mixed)	
Polyester, 1100 dtex	
680 g/m²	
-45°C to +70°C, acc. SFS-EN 1876-1	
Warp : 3000N/5 cm acc. DIN 53354	
Weft : 3000N/5 cm acc. DIN 53354	
Warp : 350N acc DIN 53356	
Weft : 300N acc. DIN 53356	
6 - 8 (on a scale 0-8) acc. BS 1006	
Yes	
Acc. DIN 75200	
Yes	
Yes	
Fabric color blue only, RAL 5010	

2.5.1.3 Sound reduction fabric

Application	Sound reduction	
Use	On both sides of the door behind the standard fabric	
Coating	Plasticized PVC	
Fabric	Polyester, 1100 dtex	
Weight	1850 g/m²	
Sound reduction (incl. standard fabric)	Index Rw23dB*, tested by SP Swedish National Testing and research Institute	
Heat- and cold resistance	-30°C to +70°C, acc. SFS-EN 1876-1	
Tensile strength	Warp : 3000N/5 cm acc. DIN 53354	
	Weft : 2900N/5 cm acc. DIN 53354	
Tear resistance	Warp : 380N acc DIN 53356	
	Weft : 300N acc. DIN 53356	
Flame resistant	Acc. SIS 650082, DIN 4102-B1	

Note! Must always be quoted by Megadoor.

^{*} Weighted apparent sound reduction index acc. ISO 717-1. For more information, ask for SP-report P103341, dated 15 June 2001 'Determination of sound insulation of an industrial door according to SS-EN ISO-140-3:95'.



2.5.1.4	Heat resistant fabric - Silicone coating
2.3.1. 4	Heat resistant labric - Sincone Coatin

Application	 Hot air environment Coating highly resistant to chemicals Dirt and oil repellent Electrical insulation Weatherproof, UV and oxidation resistant 	
Use	Replacing standard fabric	
Designation	Alpha Maritex 3200-2-SS	
Coating	Silicon rubber on both sides	
Fabric	Woven glass fibre EC9-136	
Weight	555 g/m²	
Heat- and cold resistance	Coating -36°C to +260°C	
Tensile strength	Warp : 450N/ cm acc. DIN ISO 4606	
	Weft : 440N/cm acc. DIN ISO 4606	
Flame resistance	Acc. BS 476:Part 7, 1971 Part 6, 1989, M0. BS6853:1987 App. B, IMO resolution A653 (16)	
Approvals	 Lloyds: SVG/F92/110, SAS F970017 Powergen 08/65/242, LUL E 1042 A3 National Power 08/GS/259 	
Comments	 Never combine standard and heat resistant fabric (for example upper part of the door with standard and lower part of the door with heat resistant fabric). Protect the bottom sealing with the fabric as well. When the door is installed against a wall on the cool side, the folding space on the hot side must be increased by at least 100 mm to avoid fabric wear. The motor should be placed on the cool side. A heat radiation shield below the motor may be necessary. All cables must be protected. The clear height should be as large as possible. 	

Note! Must always be quoted by Megadoor.

2.5.1.5 Heat resistant fabric - Aluminium coating

Application	Hot air and high radiation temperatures inside (e.g. foundries). Good heat reflection properties.		
Use	On the inside of the door (never on the outside) replacing standard fabric.		
Designation	332 AL-HT		
Coating	Aluminium pigments on polyurethane adhesive on one side of the fabric.		
Fabric	E-glass EC9-136 (cross twill)		
Weight	490 g/m²		
Heat- and cold resistance	From contact coating +200°C (not continuously)		
Tensile strength	Warp : 800N/cm acc. DIN 53857 T1		
	Weft : 500N/cm acc. DIN 53857 T1		
Comments	 Weft: 500N/cm acc. DIN 53857 T1 Never combine standard and heat resistant fabric (for example upper part of the door with standard and lower part of the door with heat resistant fabric). Protect the bottom sealing with the fabric as well. When the door is installed against a wall on the cool side, the folding space on the hot side must be increased by at least 100 mm to avoid fabric wear. The motor should be placed on the cool side. A heat radiation shield below the motor may be necessary. All cables must be protected. The clear height should be as large as possible. 		

Note! Must always be quoted by Megadoor.



2516	Heat resistant f	ahric - Pol	vureth	ane coating
2.3.1.0	i icat i csistant i	abile - i bi	yurcui	and Coating

Fire barrier	
On the inside of the door (never on the outside) on the outside of the standard fabric.	
W2167 Gp2	
Two sides aluminium grey polyurethane	
0.8 mm	
Woven glass fibre, Atlas 1/8	
690 g/m²	
+450°C	
Warp : 1350N/cm acc. EN ISO 13934-1	
Weft : 1260N/cm acc. EN ISO 13934-1	
Incombustible according to M0 (French standard)	

Note! Must always be quoted by Megadoor.

2.5.1.7 Security fabric

Application	Protection against burglary	
Use	On both sides of the door, behind the standard fabric.	
	Up to approx. 2 metres from floor	
Designation	Protector Classic FR	
Fabric	PVC coated	
Reinforcement	Galvanized steel wires in four directions	
Weight	950 g/m²	
Heat- and cold resistance	-30°C to +70°C	
Flame resistant	M2, acc. NF P92-507 (French standard)	
Comments	Space for fabric folding must be increased by 100 mm on each side of the door, to avoid fabric wear.	

Note! Must always be quoted by Megadoor.

2.5.1.8 Vision panels

Application	Light admission and view through	
Use	Only for standard and arctic fabric	
Standard sizes	Width 800 or 1300 mm, height 800 or 1600 mm	
Material	laston 064, 1 mm	
Weight	1230 g/m ²	
Hardness	77° shore acc. DIN 53505	
Heat- and cold resistance	-30°C to +50°C	
Tear resistance acc. DIN 53455	Along: 21 N/mm ² Crosswise: 20 N/mm ²	





2.6 Operating system

2.6.1 General specifications

Control system	PLC-based			
Protection class, control cabinet	Protection class, control cabinet IP65			
Protection class, limit switches	IP65			
Protection class, motor brake	IP55			
Protection class, push buttons	IP65			
Power supply	3/phase 400V 50Hz *other alternatives available on request			
Control voltage	24V AC			
Fusing	16 A			
Free contacts	6 for control of user functions			
Heat and cold resistance	-35°C to +70°C			
Motor ratings	0.37 - 3.3 kW			

3. CEN Performance

The following tests have been carried out by the Swedish National Testing and Research Institute (SP) in Borås. For more detailed information and values, see SP report: F026760.

3.1 Resistance to windload

Windload resistance* class 3, EN 12424

3.2 Additional tests

Water penetration (closed door)	Class 3 (EN12425)	
Air permeability	Class 2 (EN12426)	



^{*} Higher class on request.



4. Building and space requirements

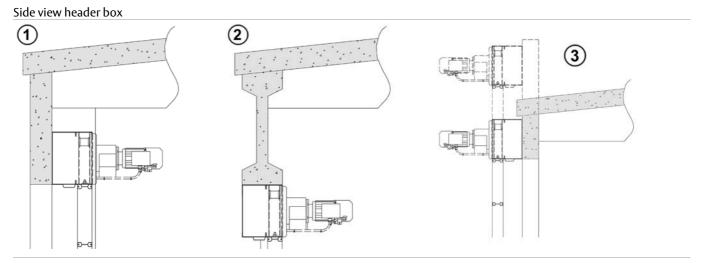
4.1 Building preparations

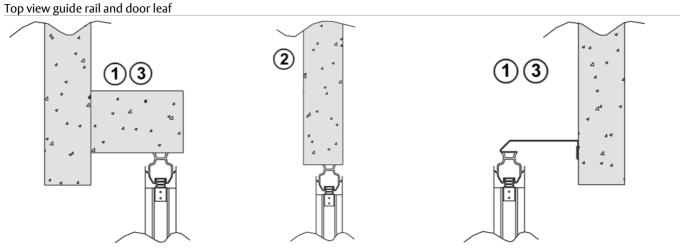
4.1.1 Installation of the header box

4.1.1.1 Basic installation

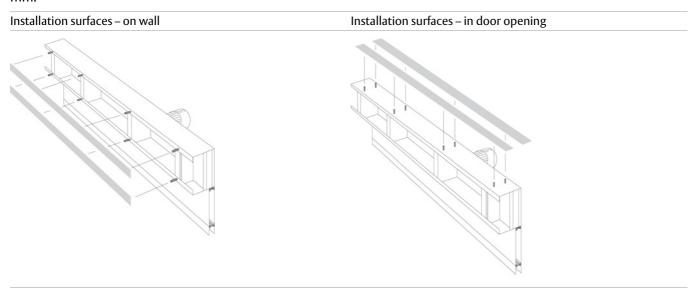
The Megadoor S800 vertical fabric folding door can be installed in three ways:

1. Internal wall mounting	2. Mounting in door opening	3. External wall mounting
Recommended if the size of the door opening permits it.	Excellent alternative for an existing door opening.	Alternative when the inside environment is severe or when there is
	ll The risk of colliding with the guide rail: should be negligible, or a collision shield should be used as protection.	



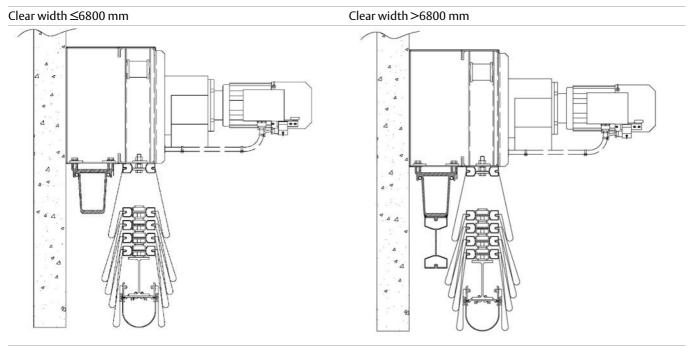


Installation surfaces for the header box must be flat, parallel and deviate maximum 5 mm from a horizontal line. Min. thickness (t) of installation surface: steel 8 mm, concrete 100 mm. Min. width of each installation surface: 100 mm.



4.1.1.2 Self-supporting installation

Megadoor can supply a self-supporting door if there is no suitable mounting surface over the door opening. A supporting beam, installed on the bottom of the header box, transfers the load of the header box via the jambs of the door to the building. The jambs support the beam and secure the guide rails.





4.1.2 Installation of the guide rails

4.1.2.1 Basic installation

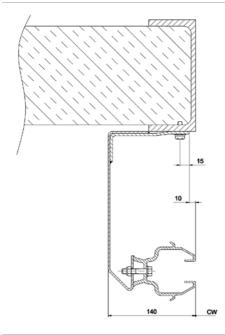
When installing on an existing surface, this surface must be made either from steel or concrete. The installation surfaces must be strong, smooth and parallel and deviate max. 5 mm from the vertical and 2 mm in the inward/outward direction from the vertical.

- Min. thickness of installation surface: steel 6 mm, concrete 90 mm.
- Min. width of installation surface: steel 50 mm, concrete 65 mm.

4.1.2.2 Installation with jambs

When the door is installed on a wall and posts for installation of the guide rails are not available, jambs of a stable design are provided. The jambs are installed in the same way as the guide rails, by screws or plugs with a spacing of about one meter. The jambs can be insulated (option), but this is not included in the standard delivery. The jambs are made of steel painted black.

An extension jamb is available for S800 Vertical fabric folding door, making it possible to connect it to an existing steel construction and still obtain a shielded location for the guide rails.



4.1.3 Installation of the control unit

The location of the control unit is best decided as follows:

Environment	Effect on control unit	Location of control unit
Normal environment	Negligible effect, IP65 protection is sufficient.	Close to the door
Harsh interior environment	When opened for maintenance, dust and moisture may enter	In a safe area
Sustainable temperature difference inside/outside	Condensation when door is opened	Away from the door. Push button unit close to the door
Strongly corrosive environment, no sa location possible	Stainless steel control unit	

Also consider the space requirements of the control unit.

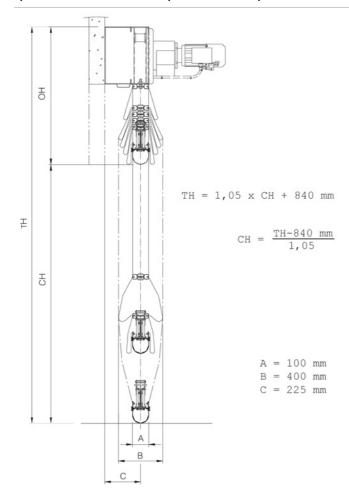


4.2 Space requirements

TH	Total height	Distance between floor and top of header box
CH	Clear height	Distance between floor and bottom of door leaf when door is fully opened
ОН	Over height	Vertical space required above the clear height
TS	Total space requirement	Distance between outer side of jambs
TW	Total width	Distance between the left and right vertical installation surfaces.
CW	Clear width	Clearance distance between the left and the right guide rails.
MD	Motor depth	Depth of the header box + gear motor + extra space for hand crank
Α		Door leaf thickness
В		Minimum free space requited for fabric folding
С		Distance from rear side of header box to guide rail centre

4.2.1 Space requirements for operation

In contrast to other types of doors, the Megadoor S800 vertical fabric folding door requires only limited top and side space. The door leaf is compressed when opened. Even for a large door, the requirements are minimal.



Space requirements for the self-supporting version are the same.





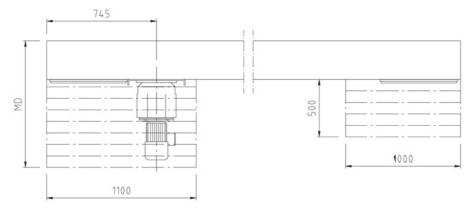
4.2.2 Space requirements for control unit

The following dimensions ($w \times h \times d$) may be of assistance in deciding where to place the control cabinet, possible additional cables or an additional safety switch for the power supply:

Door control	0451
Control unit size (carbon steel or stainless steel)	400 x 500 x 200
Space requirements including brackets	600 x 700 x 220

4.2.3 Space requirements for maintenance

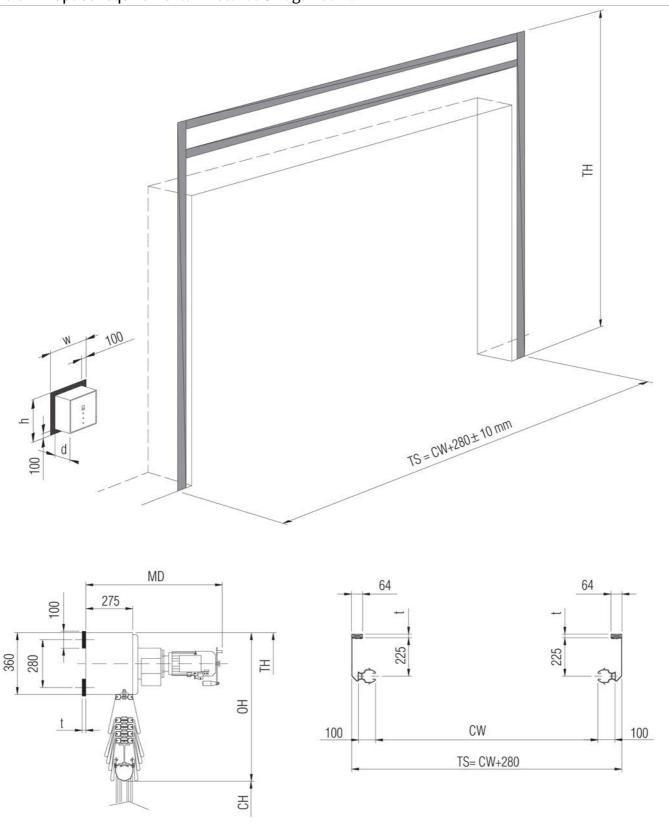
Gear motor Limit switches



- MD = Motor depth. Depending on motor size.
- MD = 750-1100 mm (+200 mm for hand crank).

Note: The motor is standard installed on the left side. Optional installation on the right side is possible

4.2.4 Space requirements - Installation against wall

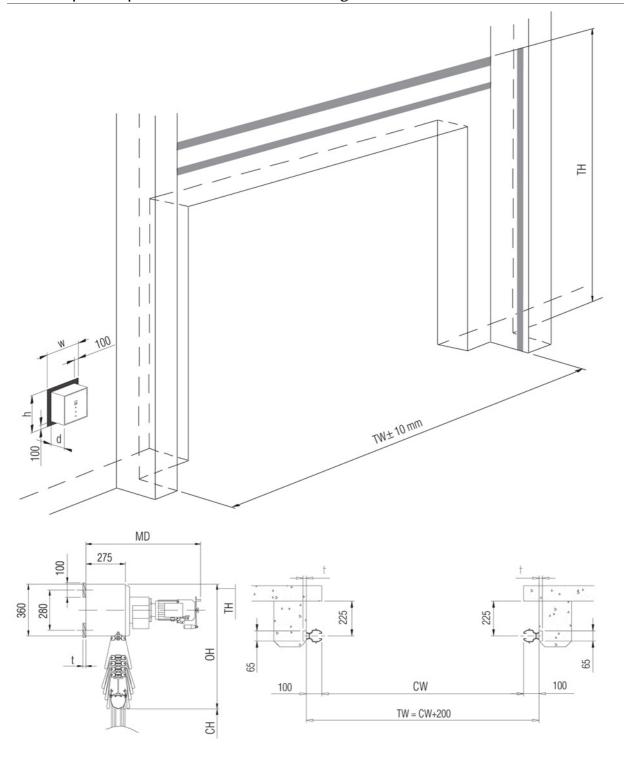


Note: Mounting is possible inside and outside the building.

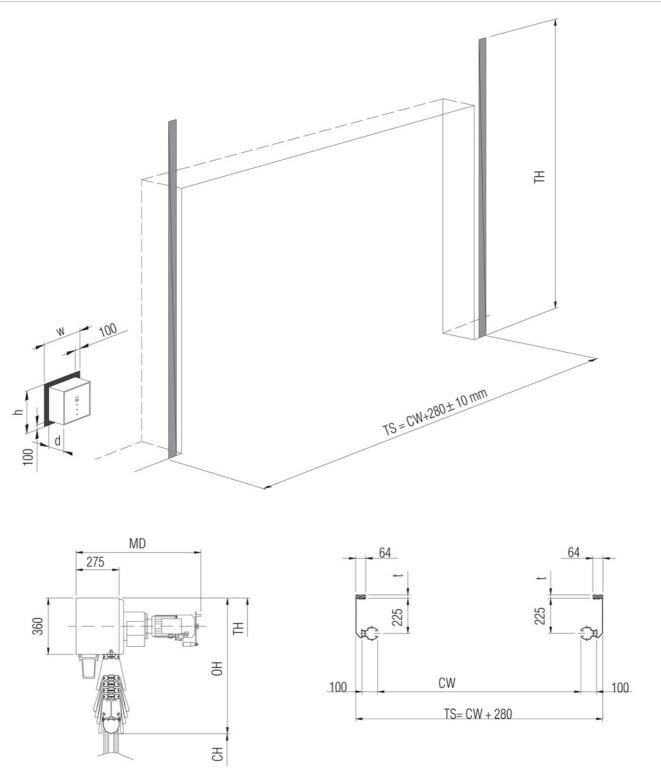




4.2.5 Space requirements S800 - Installation against wall between columns

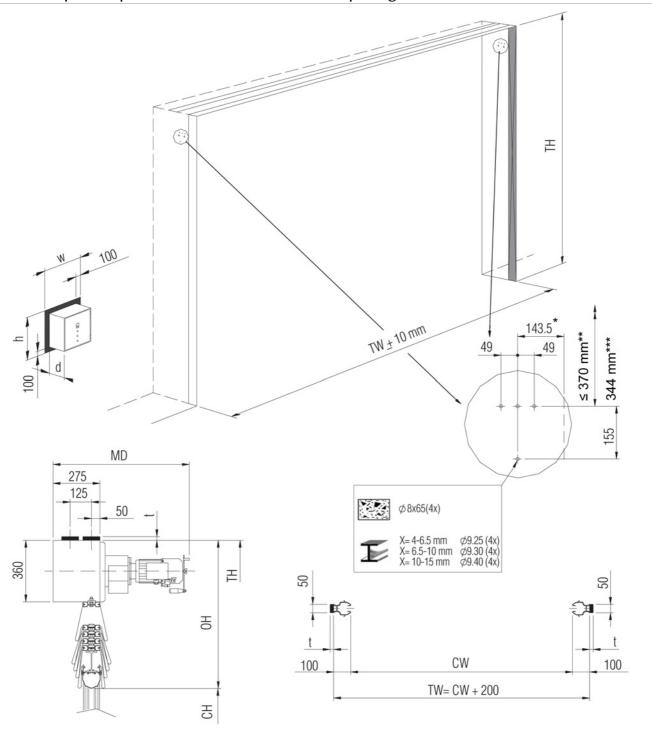


4.2.6 Space requirements - Installation with self-supporting header box





4.2.7 Space requirements - Installation in door opening



The S800 vertical fabric folding door can also be provided with a self-supporting header box. The upper fixing surfaces are then replaced by surfaces for securing brackets.

- * distance to door leaf centre line
- ** minimal clearance
- *** distance to top of header box



5. Service



These keys open doors to better business

Regardless of their function, age or manufacturer, your industrial doors and dock loading systems have an important role in the flow of your business. That's why it makes sense to plan their maintenance long before the need for service occurs.

A Key Customer Service agreement from Crawford is your best assurance of safe and trouble-free door and dock operation. By becoming a key customer, you not only reduce the risk of breakdowns, but also guarantee compliance with local regulations and the new harmonised EU standards. You also ensure that your doors and dock loading systems retain their classifications for wind load, air permeability, water penetration and more.

Four types of Key Customer Service agreement – Green, Yellow, Blue and Red – allow us to tailor our service to your specific needs. Based on the role of your doors and dock loading systems, and the intensity with which you use them, you receive service that provides the perfect balance of economy, safety and security.

Best of all, the maintenance is performed by Crawford's renowned team of service technicians. As a qualified specialist in industrial doors and dock loading systems, we have the knowledge and skills to service any door or dock, regardless of its type, age or manufacturer. With Crawford as a single source for all your door and docking equipment brands, you can easily reduce costs while increasing equipment availability.



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