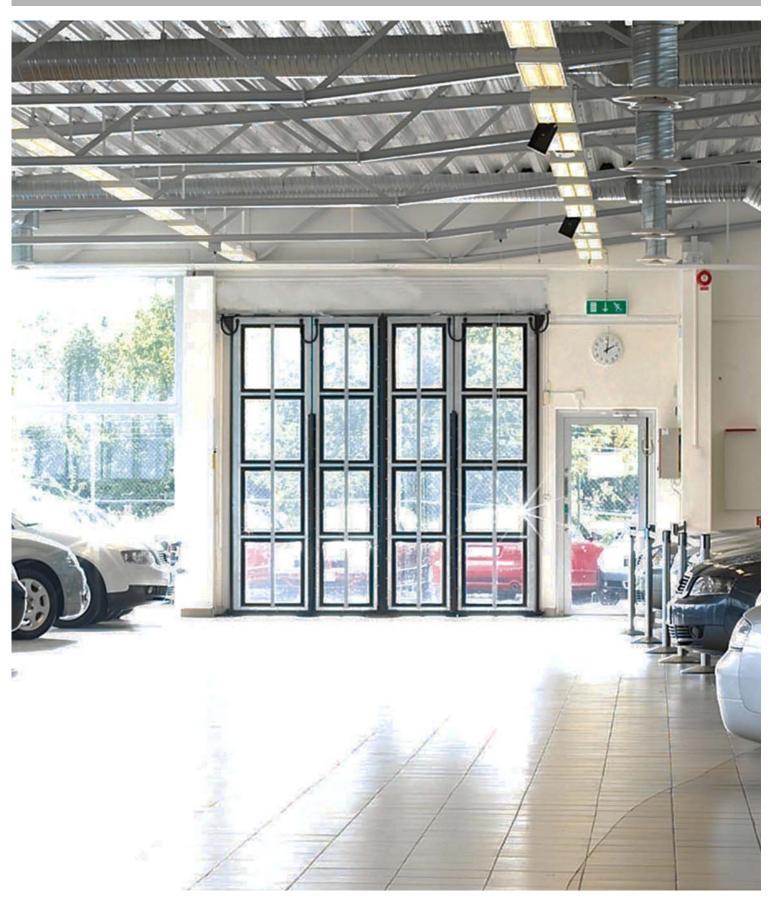
Product datasheet Folding door Crawford FD2050F

ASSA ABLOY

ASSA ABLOY Entrance Systems

Γhe global leader in door opening solutions



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Technical facts

Features

Max size: (W x H)*	7590 mm x 6000 mm		
Frame thickness:	50 mm		
Frame material:	Aluminium		
Filling:	Windows or insulated sandwich infills		
Colour outside and inside:	Standard: Anodised alumiunium Optional: Painted		
Windows:	Options: DAD, DAS, SA3; DSD, DSS, SS3, SH4		
Infills:	Options: FA, FS, FA1, FA2		
Passdoor:	Optional: built in door leaf, built in fixed section, leaf as passdoor		
Electrical operation:	Manual operation, Electrical operation Automated operation, Access control, Safety functions		

^{*} Other sizes are available on request

Performance

Life time expectations:	Door: 300.000 door cycles/20 years (with the recommended yearly service check)
Wind load, EN12424	Class 2 **
Thermal transmittance, EN12428	3,75 W/(m².K) *** 4,45 W/(m².K) ****
Water penetration, EN12425	Class 3
Air permeability, EN12426	Class 2

- ** Higher wind load classification on request
- Door configuration 4000 mm x 4000 mm, 2+22 rows window type DAD/DAS4 rows infills
- **** Door configuration 4000 mm x 4000 mm, 2+2 2 rows window type SH4 4 rows infills

Contents

Cop	yrigh	t and Disclaimer Notice	2
Tec	hnical	l facts	3
Con	itents		4
1.	Des	scription	6
	1.1	General	
	1.1	1.1.1 Standard	
		1.1.2 Options	
	1.2	Door leaves	
		1.2.1 Construction	
		1.2.2 Material	
		1.2.3 Colours	
		1.2.4 Seals	
		1.2.5 Windows	
		1.2.6 Infills	
		1.2.7 Passdoor	
		1.2.8 Fixed sections	
	1.3	Manually operated door	
		1.3.1 Handle	
		1.3.2 Locks	
	1.4	Electrically operated door	13
		1.4.1 Electrical operation	
		1.4.2 CDM9 FD Operating system	
		1.4.3 Access and automation	
		1.4.4 Monitoring systems	
2.	Spe	cifications	17
	2.1	Disconsistant	1=
	2.1	Dimensions	
		2.1.1 Daylight width and daylight height	
		2.1.2 Section sizes	
	2.2	Configurations	
	2.2	Passdoor	
	2.5	2.3.1 Passdoor in doorleaf	
		2.3.2 Doorleaf as a passdoor	
	2.4	Door operation	
	2.7	2.4.1 Selection guidelines for operation type	
		2.4.2 950 door control system functions	
		2.4.3 950 door control system - Selection guidelines for automation	
3.	CEN	l Performance	
	3.1	Lifetime expectation	
	3.2	Resistance to windload	
	3.3	Resistance to water penetration	23
	3.4	Air permeability	
	3.5	Thermal transmittance	
	3.6	Operating forces and safe openings	23

4.	Buil	lding and space requirements	24
	4.1	Building preparations	24
		4.1.1 Installation preparations	24
	4.2	Space requirements	24
		4.2.1 Dimension terminology	25
		4.2.2 Space requirements manual doors	25
		4.2.3 Space requirements electrically operated doors	26
		4.2.4 Depth	26
5.	Serv	vice	27
Inde	-χ		28

Description

1.1 General

The Crawford FD2050F folding door is one of the most stable folding doors on the market. It is a folding door suitable for use in premises with high daylight admission demands, or buildings used for product exposure such as showrooms. The highly adaptable design makes it possible to install this door in almost every type of building.

The door slides (folds) to the left, right, or in both directions if it is in two parts.

The door is made of aluminium profiles, filled with sandwich infills or acrylic/glass windows. The high daylight admission makes this door the ideal choice for working environments that require maximum lighting. The door can be installed on either the inside or the outside of the exterior wall. A wide range of options is available to suit the appearance of the existing building.

The Crawford FD2050F folding door has been designed to meet all operational and safety requirements in the European Directives and the standards issued by the European Standardization Committee, CEN.



The Crawford FD2050F folding door has 5 primary parts:

- 1) Door leaf
- 2) Seals
- 3) Track
- 4) Transmission system (electrically operated door)
- 5) Operating system (electrically operated door)

1.1.1 Standard

Although every Crawford door is custom built, the Crawford FD2050F folding door is supplied with the following specifications as standard:

Door leaf:	Aluminium frames with infills or windows
Operation:	Manual: Auto lock in open position Electrical: 950 door control system
Locks:	Cremone lock inside (manual operation)
Colours:	Anodised aluminium
Number of door leaves:	Max. 3 door leaves per side.
Safety:	Side cover

1.1.2 Options

Crawford provides a wide range of options and accessories to customise the Crawford FD2050F folding door to any customer's needs.

Passdoor:	Built in door leaf Built in fixed section Entire leaf as passdoor
Windows:	DAS: Double glazed "scratch resistant" Acrylic, Single sealed, 2 x 2,8 mm DAD: Double glazed "scratch resistant" Acrylic, Double sealed, 2 x 2,8 mm SA3: Single pane of "scratch resistant" Acrylic, 2,8 mm DSS: Double glazed Acrylic, Single sealed, 2 x 2,8 mm DSD: Double glazed Acrylic, Double sealed, 2 x 2,8 mm SS3: Single pane of Acrylic, 2,8 mm SH4: Single pane of Hardened, 4 mm
Infills:	FA: Mill finished stucco aluminium sheet outside and inside FA1: Mill finished stucco aluminium sheet outside, smooth aluminium inside. FA2: Smooth 1 mm anodised aluminium sheets, outside and inside. FS: Smooth steel sheets, RAL-9006 outside and inside.
Locks:	Assa lock box Euro lock box Kaba lock box Abloy lock box
Operation:	Delivered with or prepared for: Key locks system Automated operation, safety functions.

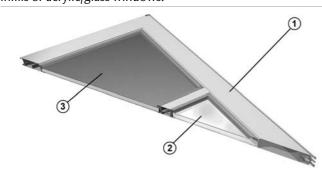
1.2 Door leaves

1.2.1 Construction

The Crawford FD2050F folding door comprises vertical door leaves, connected together with hinges. Rollers are installed on the top left and right of each door leaf. The rollers run in the top track to enable opening and closing of the door.

1.2.2 Material

The door is made of aluminium profiles, filled with sandwich infills or acrylic/glass windows.



- 1) Anodised aluminium frame
- 2) Window
- 3) Infill

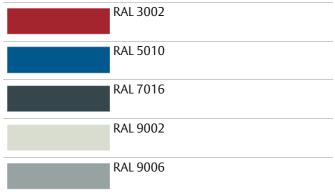
1.2.3 Colours

1.2.3.1 Standard colours

As a standard, the frames and infills are delivered in anodised aluminium.

1.2.3.2 Optional colours

Optionally the frames and infills are available in 5 pre-coated colours.



Also available:

- Factory painting, all RAL colours, including metallic colours
- Factory painting, acc. to colour sample
- Powder coating (excl. metallic colours) on request

1.2.4 Seals

The door is equipped with well designed seals on all sides that gives the door its excellent sealing abilities.

1.2.4.1 Top seal

Installed on the frame at the top of the wall, the top seal provides continuous pressure on the top of the door leaves when the door is closed, ensuring maximum sealing.



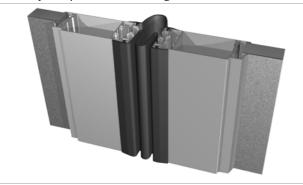
1.2.4.2 Bottom seal

Installed on the bottom edge of each door leaf, the bottom seal provides continuous pressure on the floor, ensuring maximum sealing.



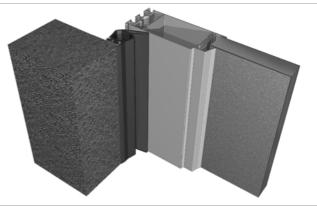
1.2.4.3 Seal between door leaves

Installed between each pair of door leaves. The flexible rubber material permits maximum movement of the door assembly and permanent sealing between the door leaves.



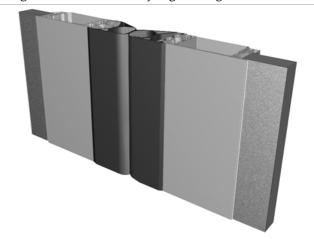
1.2.4.4 Side seal

Installed between the outer door leaves and the wall. The flexible rubber material permits maximum movement of the door assembly and provides permanent sealing between the door leaves and the walls.



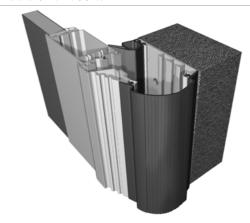
1.2.4.5 Safety edge seal

Installed on the edge of the two centre door leaves, the safety edge seal provides continuous pressure when the door is closed, ensuring maximum sealing. On electrical doors the sealing has a function as safety edge sealing.



1.2.4.6 Side cover

In combination with an installation frame the side cover works as a cover of and a protection from the frame hinges. Standard on all doors.



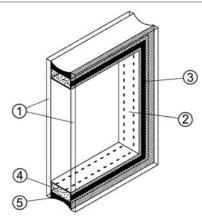
1.2.5 Windows

The frame construction allows windows in all door leaves. The light opening depends on the dimensions of the door leaf. Other materials than described below are available on request.

1.2.5.1 DAD / DSD

DAD: Double glazed "scratch resistant" Acrylic (SAN with coating), Double sealed

DSD: Double glazed Acrylic (SAN), Double sealed

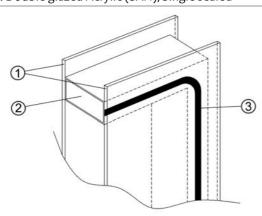


- 1) 2,8 mm SAN acrylic sheet (with or without coating)
- 2) Aluminium distance frame
- 3) Butyl sealing
- 4) Absorbing siccative
- 5) Silicone sealing

1.2.5.2 DAS / DSS

DAS: Double glazed "scratch resistant" Acrylic (SAN with coating), Single sealed

DSS: Double glazed Acrylic (SAN), Single sealed



- 1) 2,8 mm SAN acrylic sheet (with or without coating)
- 2) Aluminium distance frame
- 3) Butyl sealing

1.2.5.3 SA3 | SS3 | SH4



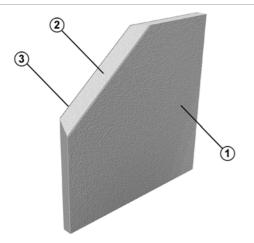
- SA3: Single pane of "scratch resistant" Acrylic (SAN with coating) 2,8 mm
- SS3:Single pane of Acrylic (SAN) 2,8 mm
- SH4: Single hardened glass 4 mm

1.2.6 Infills

The frame construction allows infills in all door leaves. Other materials than described below are available on request.

1.2.6.1 FA

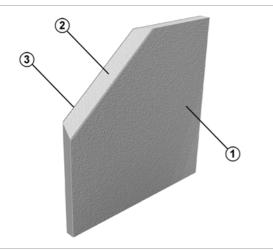
Mill finished stucco aluminium sheet outside and inside.



- 1) Stucco aluminium
- 2) Polystyrene foam
- 3) Stucco aluminium

1.2.6.2 FA1

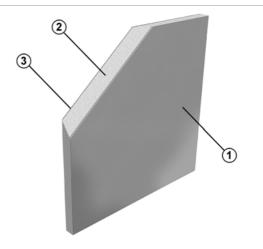
Mill finished stucco aluminium sheet outside, smooth aluminium inside.



- 1) Stucco aluminium
- 2) Polystyrene foam
- 3) Smooth aluminium

1.2.6.3 FA2

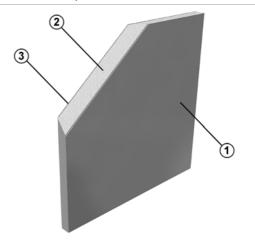
Smooth 1 mm anodised aluminium sheets, outside and inside.



- 1) Smooth aluminium 1mm, anodised
- 2) Polystyrene foam
- 3) Smooth aluminium 1mm, anodised

1.2.6.4 FS

Smooth steel sheets, RAL-9006 outside and inside.



- 1) Smooth steel sheet, pre coated
- 2) Polystyrene foam
- 3) Smooth steel sheet, pre coated

1.2.7 Passdoor

For easy access the Crawford FD2050F folding door can be delivered with a passdoor. The passdoor can either be build in a door leaf or in a fixed section. It is also possible to have a door leaf as passdoor in cases where the door has a single leaf or an uneven numbers of leafs on one side.

1.2.7.1 Passdoor in doorleaf

The passdoor is designed with a handle that ensures easy opening and closing of the passdoor. The passdoor is not designed to be an emergency exit, as it has a threshold.



Features:

- Always opening outwards, min. 90 degrees opening
- Hinged left or right
- Seals in passdoor frame reduce air permeability.
- Integrated passdoor switch if electrically operated
- All commonly used cylinder locks are available: Euro, Kaba, Abloy, Assa.

1.2.7.2 Door leaf as a passdoor

The passdoor does not have a threshold and is delivered with a cremone lock as standard. The cremone handle ensures easy opening and closing of the passdoor. All commonly used cylinder locks are also available on request.



Features:

- No threshold
- Opening direction depends on installation side
- Only manually operated doors
- Cremone lock as standard
- All commonly used cylinder locks are available on request: Euro, Kaba, Abloy, Assa
- Max. recommended door height (DLH): Max. 4 m

1.2.8 Fixed sections

Fixed sections can advantageously fill space around new doors that are smaller than the wall opening. Fixed sections are available in top and side sections. Fixed sections are supplied in the same color and construction as the door leaf. A fixed section can be provided with a passdoor for two reasons: Safety and energy cost reduction.

- Safety: Putting a separate passdoor in a fixed section next to the industrial door separates pedestrian and vehicle traffic
- Energy cost reduction: The opening space for frequent pedestrian traffic is minimized.



1.3 Manually operated door

The Crawford FD2050F folding door can be opened and closed by hand, using a solid, easy to grip handle and a cremone lock.

1.3.1 Handle

For manual operation the Crawford FD2050F folding door is supplied with a solid, easy to grip handle, installed in combination with an auto lock. The auto lock secures the door in the open position and must be released to close the door.



1.3.2 Locks

1.3.2.1 Cremone lock

The standard cremone lock has an inside handle and can lock the door without the use of a key. Optionally an outside cremone handle can be installed on the cremone lock.



1.3.2.2 Cylinder lock

For extra security a cylinder can be installed in combination with the cremone lock.

1.4 Electrically operated door

1.4.1 Electrical operation

The Crawford FD2050F folding door with a configuration 2+0, 0+2 or 2+2 can be supplied or upgraded with an electrical operating system. The system consists of a mechanical transmission unit with an electrical operator and a control unit. Electrical operation gives access to the full program of Access and Automation functions, that can fulfill many operational needs related to traffic type and frequency, door weight, and temperature control.

1.4.2 CDM9 FD Operating system

The CDM9 FD operating system is a combination of the CDM9 FD Operator and a 950 door control system.

1.4.2.1 CDM9 Operator

The CDM9 FD Operator is an electric motor that drives the door via a mechanical transmission unit. It can be retrofitted to an existing Crawford FD2050F folding door if the door is configured for electrical operation. The CDM9 FD Operator is installed directly on the mechanical transmission unit and does not require any special wall reinforcement. The transmission unit is built from anti-corrosive parts to ensure a long life, even in a humid environment.



Key features:

- Smooth and silent
- Soft start and stop
- Life time: 300.000 door cycles.

1.4.2.2 950 door control system Door control system

The standard 950 door control system is fully prepared for one or more physical upgrades from the entire range of automation systems. An automation system allows door operation by sensors or remote control.

This control unit contains a 3-digit diagnostics display that allows efficient troubleshooting and displays the number of door cycles completed. Together with the service indicator, this extra feature allows advanced maintenance planning for users where the door is an essential element of internal logistics.

Additional functions such as magnetic loop, photocells, radar and radio are available.



1.4.3 Access and automation

Crawford offers a wide range of functions that allows advanced opening and safety control.



1.4.3.1 Basic control functions

Interlocking

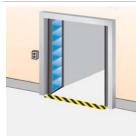


Developed for climate control or safety; If door A is open, door B cannot be opened. If door B is open, door A cannot be opened. An interlocked door can remember an open-command, if selected via a micro switch.

Circuit card Installed in control unit.

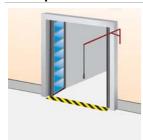
1.4.3.2 External control functions

External push button box



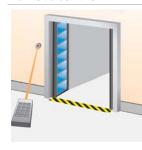
An extra control box is installed outside the building or inside close to the door if the main control unit needs to be installed away from the door opening. Installed on the inside or outside wall beside the door.

Pull-rope switch



A pull-rope switch above the door opening can be operated from e.g. a forklift truck. Pulling the rope opens a closed door or closes an opened door. Installed on the inside construction above 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.

1.4.3.3 Automatic control functions

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. Adjustable micro switches in control unit.

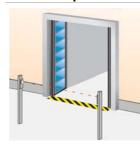
Magnetic loop



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 floor.

Photocell open door



A set of photocells on pillars, on each side of the door. When a person or vehicle passes between the photocells, the beam is interrupted and the door opens. Photocells installed on pillars, away from the door.

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.

1.4.3.4 Safety functions

Safety edge



As a standard, all doors that have the impulse-open function or any form of automated closing, are equipped with a safety edge. The pneumatic sensor in the safety edge seal detects any obstruction between a closing door and reverses the door.

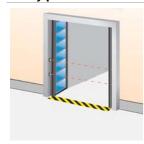
Installed in the safety edge seal.

Safety photocells 1-channel



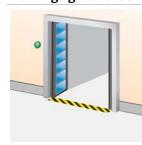
A set of a photocell transmitter and receiver is installed in the door opening. If the photocell beam is interrupted during closing, the door will stop in less than 30mm and reverse to the fully open position. Installed in the door opening.

Safety photocells 2-channel



Two sets of photocell transmitter and receiver 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 - Green



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

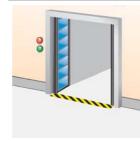
Installed on the inside and/or outside wall beside the door.

Warning lights - Red



Two red warning lights giving information on the current door behaviour. Flashing light before or during door movement. Optional: Continuous light before and during door movement. Installed on the inside and outside wall beside the door.

Traffic lights - Red & Green



If traffic through a door needs to be directed; two red and two green traffic lights can be installed to indicate traffic direction. From the side where a vehicle is first detected to approach the door, the green traffic light comes on. The opposing side shows a red traffic light. Traffic from this direction must give way to the other. Usually installed in e.g. parking garages. Installed on the inside and outside wall beside the door.

1.4.3.5 Additional functions

UPS battery backup



When mains failure cannot be permitted or an increased risk of mains failure is predicted, the UPS battery backup system can be installed to store enough energy for 10 door cycles. Installed on the inside wall beside the door.

Relay box



A sealed connection box makes it possible to safely connect external high-voltage equipment.

1.4.4 Monitoring systems

As an option on all our products, a Crawford Monitoring System can be installed. This system helps to ensure efficiency and security in daily operations. All doors or docking stations are connected to the Monitoring System's server, which gives the opportunity to supervise, monitor and report a wide variety of aspects in a facility.



1.4.4.1 Saving energy

A monitoring system reduces energy costs and contributes to a better environment. Energy is lost every time a door is open. If a door is open when no truck is at the bay, even more energy is lost.

A Crawford Monitoring System automatically ensures that no door will open unless there is a truck at the bay and even set it to close when there an activity is delayed.

1.4.4.2 Security enhancement

Closing and locking doors is an obvious daily routine. However, checking this manually can be time consuming in a busy facility.

A Crawford Monitoring System can automatically ensure that all doors are closed and locked when they need to be. It can also activate all doors and locks from its remote location, and give a real-time overview of the building's situation.

1.4.4.3 Dock management

A good way to increase throughput and thereby efficiency at a logistics facility is to reduce the time of having no truck – or the wrong truck – at a loading bay.

A Crawford Monitoring System makes visible – in real-time – which bays are occupied or free, and for how long. It makes it possible to reserve bays for docking activities and to inform drivers via SMS. Since it incorporates information from cameras and other inputs (RFID, card readers, etc.), the system stays updated in real-time.

1.4.4.4 Facility management

The Crawford Monitoring System gives a real-time service status for all your door and docking equipment. If an error code occurs, the Crawford service organisation is automatically notified, and will respond quickly. Other maintenance information can easily be integrated, further reducing the overall costs.

2. Specifications

2.1 Dimensions

2.1.1 Daylight width and daylight height

The standard Crawford FD2050F folding door is delivered in the following size range:

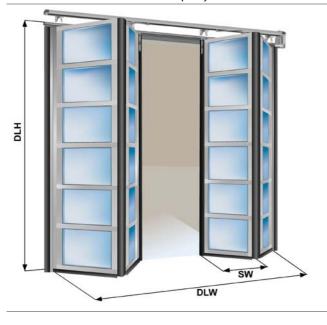
Standard door sizes Daylight width (DLW) Daylight height (DLH) Min.: 1020 mm 2000 mm Max.: 7590 mm 6000 mm

Other sizes available on request.

2.1.2 Section sizes

Leaf width (SW):	553 - 1253 mm*
Thickness:	50 mm

^{*}The total width of the door is equally divided over the leaves.



2.1.3 Windows and infills

Daylight height:	No. of windows / infills per leaf:
2000 - 2312 mm	3
2313 - 3009 mm	4
3010 - 3706 mm	5
3707 - 4403 mm	6
4404 - 5000 mm	7

2.2 Configurations

Configuration	Dimensions (DLW)	Manual door	Electric door	Door assembly
0+2	1068 mm - 2460 mm	•		
1+2	1658 mm - 3750 mm	•		
1+3	2221 mm - 5020 mm	•		
2+0	1068 mm - 2460 mm	•	•	
2+1	1658 mm - 3750 mm	•		
2+2	2300 mm - 5020 mm	•		
2+3	2830 mm - 6320 mm	•		
3+1	2221 mm - 5020 mm	•		
3+2	2830 mm - 6320 mm	•		
3+3	3393 mm - 7590 mm	•		

Available

 $^{^{}st}$ Other configurations available on request

2.3 Passdoor

2.3.1 Passdoor in doorleaf

Passdoor size limitations

	Min width	Max width	Min height	Max height
Door leaf	835 mm	1253 mm	-	-
Passdoor	596 mm	1013 mm	2000 mm	2600 mm
Specificati	ons			
Lock:		Depends on market		
Treshold he	eight:	189 mm incl. bottom seal		
This passdo	or is only availa	able in the second door leaf from the	wall.	
	_			
	<u></u>			
		l		

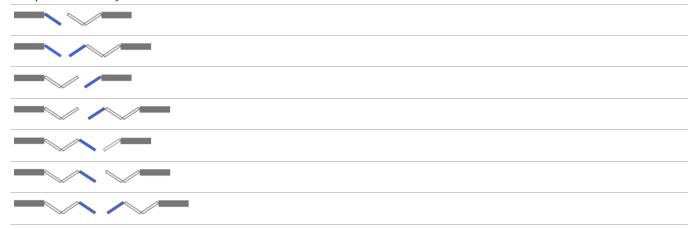
Doorleaf as a passdoor 2.3.2

Daccd	loor	ciza	lim	itations	
Passo	IOOF	SIZE	иm	urarions	

Minimum height	2000 mm
Maximum daylight height	3300 mm
Max. recommended door height (DLH)	Max. 4 m.
Specifications	

Treshold height:	None		
Handle/lock	Standard: Cremone lock Optional: Lock with roller latch		
Lock	Depends on market		

This passdoor is only available as the first or third door leaf from the wall.



2.4 Door operation

2.4.1 Selection guidelines for operation type

Door size m ²	Openings / day			
	1-5/day	5-10/day	10-15/day	>25/day
0 – 10	□ / ■	□ / ■	I	= / =
10 – 20	□ / ■		I	= / =
> 20 - 42			= / =	= / =
>42*				

☐ Manual operation

Functions

■ Electrical operation

Automated operation

2.4.2 950 door control system functions

950 FD

	ASSA ABLOY	

Open (by impulse)			
Stop			
Close (by impulse)	•		
Safety edge			
Open function	•		
One button function			
Display (diagnostics)	•		
Service indicator			

2.4.3 950 door control system - Selection guidelines for automation

The "Automation D-kits" are packages of common combinations. These kits can also be supplemented by "additions to D-kits".

Automation D-kits	D1	D2	D3	D4	D5	D6	D7
Interlocking							
Magnetic loop							
Traffic lights - Green + Red					•	•	
Warning lights - Red							
Additions to D-kits							
Warning lights - Green							
Relay box							
Radar							

Standard

Option / Available

The following options can be individually selected to add functionality to the control unit.

Functions optional	950 FD
	The state of the s
Complete kits	
Automation D-kits	
Basic control functions	
Interlocking	
External control functions	
External push-button box	
Pull-rope switch	
Remote control open/stop/close	
Remote control 1-button function	
Automatic control function	ons
Automatic closing	
Photocell open door	
Safety functions	
Safety photocells 1-2	
Additional functions	
UPS Battery backup	
Relay box	

Standard

□ Option / Available

3. CEN Performance

3.1 Lifetime expectation

300.000 door cycles or 20 years (in a normal industrial environment and with the recommended yearly service check)

3.2 Resistance to windload

EN12424	Manually operated door	Electrically operated door
DLW 7590 mm x DLH 6000 mm	Class 2	-
DLW 3500 mm x DLH 3000 mm	Class 3	Class 4

3.3 Resistance to water penetration

EN12425	Without passdoor
Test result	Class 3

3.4 Air permeability

EN12426	Without passdoor
Test result	Class 2

3.5 Thermal transmittance

EN12428	Double Acrylic	Single Acrylic and Single Hardened
Thermal transmittance	3,75 W/m ² K*	4,45 W/m²K*

^{*} These values are calculated values for a complete, installed door of 4000 x 4000 mm and must be confirmed by an official test.

3.6 Operating forces and safe openings

	•	_	
EN12453 & EN12604	Crushing force N	Crushing force N	Crushing force N
Opening gap mm	200 mm from lateral border right from outside	In the middle of the door opening	200 mm from lateral border left from outside
50 N	passed	passed	passed
300 N	passed	passed	passed

The crushing force is the force needed for the safety edge to be activated. The maximum force allowed, according to EN12453 safety in use of power operated doors, is 400 N within a period of time of 0.75 s.

CEN Performance 23

4. Building and space requirements

Building preparations 4.1

4.1.1 Installation preparations

The Crawford FD2050F folding door is shipped in parts and installed on-site. All necessary installation material is included. For every building type Crawford offers specific installation kits to install the door in the building facade.



- 1) Steel
- 2) Wood
- 3) Brick & Concrete

4.1.2 **Electrical preparations**

The manually operated door needs no electrical supply.

For an electrically operated door, the following environment criteria and electrical supplies are required for the operator to function properly:

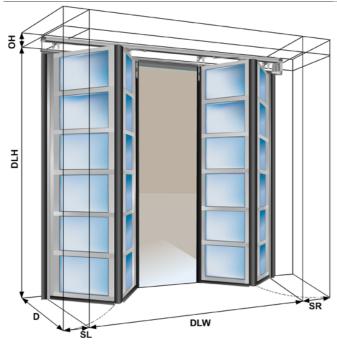
Tunction property.	
	CDM9 FD
Voltage supply:	230V AC 1-phase 50/60Hz
(+/- 10%)	
Power supply:	0,5 kW
Degree of protection:	IP55, excl. connector IP 44
Max. allowed total weight of door leaves:	750 kg
Working temperature range:	-20 °C to +60 °C*
Operating factor:	ED = 30%
•	S3 10 min. intermittent
Installation preparations:	-

^{*)} Normal opening speed in temperatures down to -8°C. In the temperature range -8 °C to -20 °C the opening speed is reduced during the first cycle in a two-hour period to prolong the operator's lifetime. An optional heating element is available for a working range down to -30 °C

4.2 Space requirements

4.2.1 Dimension terminology

	<u></u>	
DLW	Daylight Width	The width of the clear opening.
DLH	= Daylight Height	The height of the clear opening.
ОН	= Headroom	The space required above the daylight height.
SL	= Side space Left	The space required beside the daylight width.
SR	= Side space Right	The space required beside the daylight width.
D	= Depth	The space required to move the door leaves.
SW	= Section / leaf width	The width of a single door leaf.



4.2.2 Space requirements manual doors

Configuration			
	SL	SR	ОН
0+2	150	185	150
2+2	185	185	150
2+0	185	150	150

^{*} Dimensions in mm.

4.2.3 Space requirements electrically operated doors

No plastic cover on operator*									
Configuration	Operator position left			Operator position right			Operator position center		
	SL	SR	ОН	SL	SR	ОН	SL	SR	ОН
0+2	155	300	235	150	500	235	N.A.	N.A.	N.A.
2+2	440	300	235	300	500	235	300	300	375
2+0	440	85	235	300	215	235	N.A.	N.A.	N.A.

^{*} Dimensions in mm.

With plastic cover on operator*

Configuration	Operator position left			Operator position right			Operator position center		
	SL	SR	ОН	SL	SR	ОН	SL	SR	ОН
0+2	175	300	270	150	525	270	N.A.	N.A.	N.A.
2+2	460	300	270	300	525	270	300	300	395
2+0	460	150	270	300	240	270	N.A.	N.A.	N.A.

^{*} Dimensions in mm.

4.2.4 Depth

The minimal required depth is the width of a door leaf (SW 553-1253mm) + 180 mm

5. Service

Preventive Maintenance Program and Modernization Services

As your entrances are part of your business flow, there's every reason to keep them working well. ASSA ABLOY Entrance Systems offers you a maintenance and modernization expertise to rely on. Our Maintenance Programs and Modernization Services are backed by a extensive expertise for all types of industrial door and docking systems, independent of brand. At your disposal is a team of dedicated expert technicians, proven through decades of maintenance, service and satisfied customers.

Preventive Maintenance Programs

Minimizing lost time, lost energy and unexpected hassle is our team's constant objective. Our service organization can support you 24/7 in maintaining all industrial door and docking systems, independent of brand. If you want to be one step ahead of break-downs, explore our portfolio of Pro-Active Care plans. Naturally, we also offer entrance upgrades to suit your specific wishes and business needs.

Pro-Active Care - Maintenance plans to fit your business

Regular maintenance can extend the lifetime of your equipment and help prevent unexpected problems. Our technician arrives on-site equipped with the knowledge and tools to service all automatic entrances, independent of brand.

• Pro-Active Bronze

The base on which all Pro-Active Plans are built provides the security of knowing that your equipment is regularly inspected and certified for safety, as well as performing optimally. It includes a number of planned on-site visits depending on your needs. Any unplanned service calls required during the term of the contract (including labor, travel and parts) are billed at special Pro-Active Care prices.

Pro-Active Silver

This plan provides all the benefits of Pro-Active Bronze with the added advantage of labor and travel being included for service calls during regular business hours. The only additional charge would be for any parts that may be needed throughout the term of the contract.

• Pro-Active Gold

This plan provides the ultimate protection for your automatic entrance investment. It includes all the benefits of Pro-Active Silver, plus replacement of any parts required during an unplanned repair or planned maintenance visit. Pro-Active Gold is an excellent way to budget your automatic door expenses annually.

• Pro-Active Tailor-Flex

Our most flexible maintenance and service offering. The Pro-Active Care plan is designed by you, our customer. The plan allows you to balance your maintenance expenses against your real-world budget and presents the option to add or delete a number of maintenance elements to suit your budget goals, while meeting your overall performance and safety needs.

Modernization

Your entrances are a long-term investment, from which you always want the best. Products develop over time, so do regulations and your business. Let us help you increase energy savings and meet today's standards. We provide advice and modernization kits for outdated installations, ensuring your investment meet requirements and performs optimally for many more years to come.

Re-Active Service		Pro-Active	Care		
	0	0	0	0	Other customized requests such as Response Time, Performance InfoPack and Advanced User Training
	0	0	•	0	Replacement of worn parts according to preventive Consumable Exchange Program
	0	0	•	0	Replacement of spare parts on breakdown
	0	•	•	0	Travel and labor for additional call-out visits
	•	•	•	•	Preventive maintenance visits 1-4 times per year
	•	•	•	•	Travel and labor for preventive maintenance visits
	•	•	•	•	Response time and priority on call-outs <24h
	•	•	•	•	Preventive planned maintenance that meets the most demanding standards in the market
•	•	•	•	•	Safety and quality checks according to applicable regulations and norms. Documentation of test results provided
• •	•	•	•	•	Documentation of equipment status, assessment and service provided, all generated on site
• •	•	•	•	•	Highly trained professional technicians with extensive knowledge, state-of-the-art tools and the right spare parts*
• •	•	•	•	•	Dedicated Professional Customer Care Hotline
Corrective SafetyCheck	Pro-Active Bronze	Pro-Active I Silver	Pro-Active Gold	Pro-Active Tailor Flex	= Included as standard = Available at special prices

*Well-stocked service vehicles with genuine and new spare parts

Service 27

Index

Numerics	Е	Р
950 door control system - Selection	Electrical operation13	Passdoor11, 19
guidelines for automation21	Electrical preparations24	Passdoor in doorleaf11, 19
950 door control system Door control	Electrically operated door13	Performance3
system13	External control functions14	Photocell open door14
950 door control system functions 21	External push button box14	Pull-rope switch14
A	F	R
Access and automation13	FA10	Radar14
Additional functions15	FA110	Relay box15
Air permeability23	FA210	Remote control14
Automatic closing14	Facility management16	Resistance to water penetration23
Automatic control functions14	, 0	•
В	Features3	Resistance to windload23
В	Fixed sections11	S
Basic control functions14	FS10	SA3 / SS3 / SH49
Bottom seal8	G	Safety edge15
Building and space requirements 24	General6	
Building preparations24	Generalb	Safety edge seal8
	Н	Safety functions15
С	Handle12	Safety photocells 1-channel
CDM9 FD Operating system13	Папите12	Safety photocells 2-channel15
CDM9 Operator13	I	Saving energy16
CEN Performance23	Infills10	Seal between door leaves8
Colours7		Seals8
Configurations18	Installation preparations24	Section sizes17
Construction7	Interlocking14	Security enhancement16
Copyright and Disclaimer Notice2	L	Selection guidelines for operation type
Cremone lock12	Lifetime expectation23	21
Cylinder lock12	Locks12	Service27
Cymruci lock12	LOCKS12	Side cover8
D	M	Side seal8
DAD / DSD9	Magnetic loop14	Space requirements25
DAS / DSS9	Manually operated door12	Space requirements electrically
Daylight width and daylight height 17		operated doors26
Depth26	Material7	Space requirements manual doors 25
Description6	Monitoring systems16	Specifications17
Dimension terminology25	0	Standard6
Dimensions17	Operating forces and safe enemings 22	Standard colours7
Dock management16	Operating forces and safe openings 23 Optional colours	T
· ·	·	T 1 1 1 1 1
Door leaf as a passdoor11	Options6	Technical facts3
Door leaves7		Thermal transmittance23
Door operation21		Top seal8
Doorleaf as a passdoor20		Traffic lights - Red & Green15

Product datasheet Folding door Crawford FD2050F

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U

UPS battery backup15	,
W	
Warning lights - Green15)
Warning lights - Red15	,
Windows)
Windows and infills18	,

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