

Airport industry

Smooth cargo handling and efficient operations





Airport industry

Airport facilities around the world are facing increased usage, and pressure to deliver improved passenger safety. From first arrival, through to take off there are a stream of processes, procedures, and safety checks, each of which need to coordinate to reduce the risk of costly delays. Meticulous planning is vital to avoid queues and back logs.

EFAFLEX have developed a portfolio of high-speed doors that can help across any airport facility. Designed bespoke for areas including baggage handling, catering zones, and emergency services they all can help to reduce energy usage, improve user safety, enhance security, and minimise costly downtime. Designed to insulate against noise, they are robust, reliable, and sufficiently durable to withstand wind loads up to 220 km/h.



Individual solutions for the airport industry.



High-speed turbo door EFA-STT®

Page 7



High-speed spiral door EFA-SST®

Page 6



High-speed spiral door EFA-SST® TK-100

Page 9



High-speed spiral door EFA-SST® ISO-60

Page 8



For more information about our
solutions for the airport industry visit:
www.efaflex.com/airport

YOUR ADVANTAGES AT A GLANCE:

- Industry-specific door solutions for effective airport security and logistics
- Opening at speeds up to 3.0 m/s and closing up to 1.0 m/s
- Crystal clear laths for increased daylight and improved user safety as an option
- Optional thermal insulation door leaf
- Extremely fast and quiet operation due to spiral construction
- Top safety devices



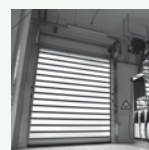
High-speed roll-up door **EFA-SRT® MHT Compact**

Page 11



High-speed spiral door **EFA-SST®**

Page 6



High-speed spiral door **EFA-SST® EX**

Page 10



**EFA-SST®
AT A GLANCE:**

- Max. heat insulation with EFA-THERM® laths
- Opening speed up to 2.5 m/s
- Closing speed up to 1.0 m/s
- Highest wind load capacity
- Top safety devices
- Up to 250,000 operating cycles p.a.
- Also available in low-header design
- Standard sizes of up to w=10,000 mm, h=12,000 mm

Spiral door technology in perfection.

EFA-SST®

The EFA-SST® high-speed spiral door represents a modern generation of industrial doors: perfect insulation, energy-efficient functionality, state-of-the-art technology. During the technical redesign, particular attention was paid to improving the physical properties of the door leaf as well as optimising the functionality, thus once again raising the standard of EFAFLEX industrial doors.

The transparent turbo door.

EFA-STT®

Thanks to laths made of crystal-clear acrylic glass, the door leaf of the EFA-STT® is over 70 percent transparent – this makes it a unique high-speed door worldwide: robust and yet almost completely see-through. The ability to see through the door offers advantages where two-way traffic occurs: Accidents are prevented and smooth transport operations are guaranteed.

EFA-STT® AT A GLANCE:

- The door leaf consists at 70% of crystal clear acrylic glass
- Opening speed up to 3.0 m/s
- Closing speed up to 1.0 m/s
- Highest wind load capacity
- Top safety devices
- Up to 200,000 operating cycles p.a.
- Also available in low-header design
- Standard sizes of up to w=8,000 mm, h=7,800 mm



EFA-SST® ISO-60
AT A GLANCE:

- Max. heat insulation with EFA-THERM® laths
- U value up to 0.8 W/m²K
- 60 mm thick door leaf
- Opening speed up to 2.5 m/s
- Closing speed up to 1.0 m/s
- Up to 250,000 operating cycles p.a.
- Standard sizes up to w=6,000 mm, h=6,000 mm

The lock-up door for thermo-regulated zones.

EFA-SST® ISO-60

Doors in cooled spaces must withstand extremely high loads. Top quality and perfect workmanship are paramount for ensuring that all components are absolutely resistant to cold and humidity. EFA-SST® ISO 60 is the ideal closing door for frequent openings with high requirements for insulation, as is the case in cooling rooms. The EFA-SST® ISO-60 combines two EFAFLEX door technologies into one innovative solution: the spiral and highly insulating laths. In addition, high-quality seals prevent air and temperature exchange. The combination of these components makes the EFA-SST® ISO-60 a supremely insulated door.





The specialist door for minus degrees. **EFA-SST® TK-100**

The EFA-SST® TK-100 high-speed spiral door is the first true single-door solution for freezer areas. In addition to the highest opening and closing speeds, it achieves the best insulation values for spiral doors and thus represents a high-quality solution for every deep-freeze room.

EFA-SST® TK-100 AT A GLANCE:

- Optimal single door solution
- Air permeability class 5 according to DIN EN 12426
- Frames and laths thermally separated
- Almost hermetically sealed
- Opening speed up to 2.0 m/s
- Closing speed up to 0.5 m/s
- U value up to 0.62 W/m²K
- Up to 200,000 operating cycles p.a.
- Standard sizes of up to w=4,500 mm, h=6,000 mm



EFA-SST® EX AT A GLANCE:

- For use in explosion Protection Zones 1 and 2, optionally on request in EX Protection Zones 21 and 22
- Highest wind load capacity
- Suitable for external and internal applications
- Opening speed up to 1.0 m/s
- Closing speed up to 0.5 m/s
- Up to 200,000 operating cycles p.a.
- Standard sizes up to w=4,000 mm, h=5,000 mm

The hall door for potential- ly explosive atmospheres.

EFA-SST® EX

The EFA-SST® EX is designed for both outdoor and indoor use in potentially explosive atmospheres. In addition to high opening and closing speeds, it particularly impresses with a solid door leaf with high wind resistance and optimal sealing. The door leaf consists of double-walled aluminium laths that be combined with transparent laths.

It is also possible to have the door leaf composed entirely of transparent laths. Due to the no-contact support of the laths in the spiral and the associated wear-free movement, their transparency is guaranteed for many years.



The customised plant solution.

EFA-SRT® MHT Compact

Capable of up to 500,000 load changes per year, the innovative EFA-SRT® MHT Compact performs the highest number of openings and closings on the market. The door also impresses with its compact design with control integrated into the frames and a self-supporting construction. This allows it to be flexibly integrated and customised into complex systems, such as baggage handling at airports.

EFA-SRT® MHT COMPACT AT A GLANCE:

- Door system for industrial and commercial purposes in materials handling technology
- Control system completely integrated in construction
- Self-supporting frames due to floor fixation
- 3 cycles per minute
- Opening speed up to 1.5 m/s
- Up to 500,000 load changes p.a.
- Standard sizes up to
w=1,600 mm, h=1,600 mm

Technical details

High-speed spiral doors

		Premium				
	Size	L	S	ÜS	XL	XXL
Application	Interior door	●	●	●	●	●
	Lock-up doors	●	●	●	●	●
Wind load max.*	According to DIN EN 12424 class	2 – 4	2 – 4	2 – 4	0 – 2	2 – 4
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled	erfüllt	fulfilled
Resistance against water ingress*	According to DIN EN 13241 class	3	3	3	3	1
Air permeability*	According to DIN EN 13241 class	3	3	3	3	3
Direct airborne sound insulation R_{w} *	in dB according to DIN EN 717-1	24	25	26	26	26
U value maximum*	in W/m ² K according to DIN EN 13241	1.52	0.91	0.66	0.66	0.54
Door size (in mm)	Width W max.	4,500	6,000	8,000	10,000	10,000
	Height H max.	5,000	6,000	8,000	6,600	12,000
Maximum door leaf speed*	in m/s	2.5	1.5	1.2	1.0	0.5
Guide of door leaf	Round Spiral	●	●	●	●	●
	Oval Spiral	●	●	–	–	–
	Low-header	–	–	–	–	–
Steel design	Galvanized sheet steel frame	●	●	●	●	●
	Stainless steel	○	○	–	–	–
	Powder coated in RAL colours	○	○	○	○	○
Door leaf	EFA-THERM® laths insulated/painted	●	●	●	●	●
	EFA-CLEAR® Vision laths double-walled, thermally separated	○	○	○	○	○
	EFA-CLEAR® Vision laths single-walled	○	○	–	–	–
	EFA-VENT® Ventilation laths	○	○	–	–	–
	EFA-ALUX® Aluminium laths	–	–	–	–	–
	Colour according to RAL (without vision panel)	○	○	○	○	○
Fire class	Building Material class DIN 4102	B2	B2	B2	B2	B2
Weight balancing by		Spring	Spring	Spring	Spring	Spring
Designed for approx ... operating cycles per year		250,000	250,000	250,000	150,000	100,000
Drive	Electric motor	●	●	●	●	●
Control	EFA-TRONIC®	●	●	–	–	○
	EFA-TRONIC® Light	–	–	–	–	–
	EFA-TRONIC® Professional	○	○	●	●	●
	Main switch and foil keypad	●	●	●	●	●
Lead	Electricity connection 230 V/50 Hz	●	●	●	●	–
	Electricity connection 400 V/50 Hz	○	○	○	○	●
	Circuit breaker	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)
Manual locking		●	●	●	●	●
Emergency operation	Automatic after manual activation	●	●	●	●	●
Safety Devices	EFA-TLG® door light grid in door closing line	●	●	●	●	●
	Contact edge	○	○	–	–	–
	Light barrier	○	○	–	–	–
	Approach area monitoring	○	○	○	○	○
	Light grid, external	○	○	○	○	○
Safety system including activator	EFA-SCAN® frame/bollard	○/○	○/○	○/○	○/○	○/○
	EFA-3D-SCAN	○	○	○	○	○

● Standard, ○ upon request, – Not available, npd = No Performance Determined

*Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

S Series

EFA-SST®								
ECO		Basic	Essential	Classic				
L	S	L	L	L	S	ÜS	L-N	S-N
● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●
2 – 4	2 – 4	2 – 4	2 – 4	2 – 4	4	2 – 4	2 – 4	4
fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled
3	3	3	2	0	0	0	npd	npd
3	3	3	0	2	2	2	npd	npd
24	25	24	20	23	25	25	23	25
1.52	0.91	1.52	1.67	5.8	5.6	5.6	5.8	5.7
4,500 5,000	6,000 6,000	4,500 5,000	4,500 5,000	4,000 5,000	6,000 7,000	8,000 7,000	4,000 4,000	6,000 5,000
1.0	0.9	0.5	0.5	2.0	2.0	1.5	1.5	1.5
● ● ●	● ● ●	● ● –	● – –	● ● –	● ● –	● ● –	– – ●	– – ●
● ○ ○	● ○ ○	● ○ ○	● – ○	● ○ ○	● ○ ○	● ○ ○	● ○ ○	● ○ ○
● ○ ○ ○ – ○	● ○ ○ ○ – ○	● ○ ○ ○ – ○	● ○ ○ ○ – ○	– – ○ ○ ● ○	– – ○ ○ ● ○	– – ○ ○ ● ○	– – ○ ○ ○ ○	– – ○ ○ ○ ○
B2	B2	B2	B2	B2	B2	B2	B2	B2
Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring
200,000	200,000	100,000	100,000	250,000	250,000	250,000	150,000	150,000
● ● – ○ ●	● ● – ○ ●	● ○ ● ○ ●	● ○ ● ○ ○	● ● – ○ ●	● ● – ○ ●	● – – ● ●	● ● – ○ ●	● ● – ○ ●
● ○ 16 A (K)	● ○ 16 A (K)	● – 16 A (K)	● – 16 A (K)	● ○ 16 A (K)	● ○ 16 A (K)	● ○ 16 A (K)	● ○ 16 A (K)	● ○ 16 A (K)
○	○	○	○	○	○	○	○	○
● ○ ● ● ○ ○	● * * * ○ ○	● – ● ● ○ ○	● – ● ● ○ –	● ○ ● ● ○ ○	● * * * ○ ○	● * * * ○ ○	● ○ ● ● ○ ○	● * * * ○ ○
o/o ○	o/o ○	– ○	– ○	–/○ ○	–/○ ○	–/○ ○	○ ○	○ ○

Technical details

High-speed spiral doors

		S Series			
		EFA-STT®			
	Size	L	S	ÜS	L-N
Application	Interior door Lock-up doors	● ●	● ●	● ●	● ●
Wind load max.*	According to DIN EN 12424 class	3 – 4	2 – 4	2 – 4	3 – 4
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled	fulfilled
Resistance against water ingress*	According to DIN EN 13241 class	0	0	0	0
Air permeability*	According to DIN EN 13241 class	2	2	2	0
Direct airborne sound insulation R_w *	in dB according to DIN EN 717-1	20	20	20	20
U value maximum*	in W/m²K according to DIN EN 13241	6.5	6.37	6.28	6.5
Door size (in mm)	Width W max.	4,000	6,000	8,000	4,000
	Height H max.	5,000	6,000	7,800	5,000
Maximum door leaf speed*	in m/s	3.0	2.8	2.0	1.8
Guide of door leaf	Round Spiral	●	●	●	–
	Low-header	–	–	–	●
Steel design	Galvanized sheet steel frame	●	●	●	●
	Stainless steel	○	○	–	○
	Powder coated in RAL colours	○	○	○	○
Door leaf	EFA-CLEAR® Vision laths single-walled	●	●	●	●
	EFA-VENT® Ventilation laths	○	○	○	○
	EFA-ALUX® Aluminium laths	–	–	–	○
	Vision panel single-walled / double-walled	●/–	●/–	●/–	●/–
	Non transparent infill single-walled / doublewalled	○/–	○/–	○/–	○/–
	Colour according to RAL (without vision panel)	○	○	○	○
Fire class	Building Material class DIN 4102	B2	B2	B2	B2
Weight balancing by		Spring	Spring	Spring	Spring
Designed for approx ... operating cycles per year		200,000	200,000	200,000	120,000
Drive	Electric motor	●	●	●	●
Control	EFA-TRONIC®	●	●	–	●
	EFA-TRONIC® Professional	○	○	●	○
	Main switch and foil keypad	●	●	●	●
Lead	Electricity connection 230 V/50 Hz	●	●	●	●
	Circuit breaker	16 A (K)	16 A (K)	16 A (K)	16 A (K)
Manual locking		○	○	○	○
Emergency operation	Automatic after manual activation	●	●	●	●
Safety Devices	EFA-TLG® door light grid in door closing line	○	*	*	○
	Contact edge	●	*	*	●
	Light barrier	●	*	*	●
	Approach area monitoring	○	○	○	○
	Light grid, external	○	○	○	○
Safety system including activator	EFA-SCAN® frame/bollard	○/○	○/○	○/○	○/○
	EFA-3D-SCAN	○	○	○	○

● Standard, ○ upon request, – Not available,

*Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

Technical details

High-speed doors deep-freeze

		S Series				
		Premium		EFA-SST®		
Size		ISO-L-60	ISO-60	TK-100		Inertisation
				Installation on warm side	Installation on cold side	
Application	Interior door	●	●	Lock-up-deep-freeze	Lock-up-deep-freeze	●
	Lock-up doors	●	●	–	–	●
Wind load max.*	According to DIN EN 12424 class	3 – 4	2 – 4	3	3	3
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled
Resistance against water ingress*	According to DIN EN 13241 class	3	3	npd	npd	npd
Air permeability*	According to DIN EN 13241 class	3	3	5	5	5
Direct airborne sound insulation R _w *	in dB according to DIN EN 717-1	25	25	26	26	26
U value maximum*	in W/m²K according to DIN EN 13241	0.93	0.80	0.62	0.62	0.62
Door size (in mm)	Width W max.	4,500	6,000	4,000	4,000	4,500
	Height H max.	4,550	6,000	6,000	6,000	6,000
Maximum door leaf speed*	in m/s	2.5	1.5	2.0	2.0	2.0
Guide of door leaf	Round Spiral	●	●	●	●	●
Steel design	Galvanized sheet steel frame	●	●	●	●	●
	Stainless steel	○	○	○	○	○
	Powder coated in RAL colours	○	○	○	○	○
Door leaf	EFA-THERM® laths insulated / painted	●	●	●	●	●
	EFA-CLEAR® Vision laths double-walled, thermally separated	○	○	–	–	○
	EFA-ALUX® Aluminium laths	–	–	–	–	–
	Colour according to RAL (without vision panel)	○	○	○	○	○
Fire class	Building Material class DIN 4102	B2	B2	B2	B2	B2
Weight balancing by		Spring	Spring	Spring	Spring	Spring
Designed for approx ... operating cycles per year		250,000	250,000	200,000	200,000	200,000
Drive	Electric motor	●	●	●	●	●
Control	EFA-TRONIC®	●	●	–	–	●
	EFA-TRONIC® Light	–	–	–	–	–
	EFA-TRONIC® Professional	○	○	●	●	○
	Main switch and foil keypad	●	●	●	●	●
Lead	Electricity connection 230 V/50 Hz	●	●	–	–	●
	Electricity connection 400 V/50 Hz	○	○	●	●	○
	Circuit breaker	16 A (K)	16 A (K)	25 A (K)	25 A (K)	16 A (K)
Manual locking		●	●	○	○	○
Emergency operation	Automatic after manual activation	●	●	●	●	●
Safety Devices	EFA-TLG® door light grid in door closing line	●	●	●	–	●
	Contact edge	○	○	●	●	○
	Light barrier	○	○	○	●	○
	Approach area monitoring	○	○	○	–	○
	Light grid, external	○	○	○	–	○
Safety system including activator	EFA-SCAN® frame/bollard	○/○	○/○	–	–	–
	EFA-3D-SCAN	○	○	–	–	–

● Standard, ○ upon request, – Not available, npd = No Performance Determined.

* Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

Technical details

High-speed doors explosion protection

		EX Series	
		EFA-SST® EX	EFA-SRT® EX
Application	Interior door Lock-up doors	● ●	● –
ATEX Directive	According to RL 2014/34/EU	Zone 1 & 2	Zone 1 & 2
Wind load max.*	According to DIN EN 12424 class resp. in km/h	2 – 4 –	– 43
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled
Resistance against water ingress*	According to DIN EN 13241 class	0	–
Air permeability*	According to DIN EN 13241 class	2	–
Direct airborne sound insulation R_w *	in dB according to DIN EN 717-1	23	12
U value maximum*	in W/m²K according to DIN EN 13241	5.8	–
Door size (in mm)	Width W max.	4,000	4,000
	Height H max.	5,000	4,000
Guide of door leaf	Round Spiral	●	–
	Oval Spiral	●	–
Steel design	Galvanized sheet steel frame	●	●
	Stainless steel	○	○
	Powder coated in RAL colours	○	○
Door leaf	EFA-CLEAR® Vision laths single-walled	●	–
	EFA-VENT® Ventilation laths	○	–
	EFA-ALUX® Aluminium laths	●	–
	Colour according to RAL (without vision panel)	○	–
	flexible fabric in different colours with/ without vision panel	–	black without vision panel
Fire class	Building Material class DIN 4102	B2	B2
Weight balancing by		Spring	Spring
Designed for approx ... operating cycles per year		200,000	150,000
Drive	Electric motor	●	●
Control	EFA-TRONIC® Professional	●	●
	Main switch and foil keypad	●	●
Lead	Electricity connection 230 V/50 Hz	●	●
	Circuit breaker	16 A (K)	16 A (K)
Manual locking		○	–
Emergency operation	Automatic after manual activation	●	●
Safety Devices	Contact edge	●	●
	Light barrier	●	●

● Standard, ○ upon request, – Not available, * Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

Technical details

High-speed doors intralogistics

		MTL Series	
		EFA-SRT® MTL	EFA-SRT® MHT Compact
Application	Interior door	●	●
Wind load max.*	According to DIN EN 12424 class	0	–
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	–
Air permeability*	According to DIN EN 13241 class	0	–
Direct airborne sound insulation R_w *	in dB according to DIN EN 717-1	12	12
Door size (in mm)	Width W max.	3,000	1,600
	Height H max.	3,000	1,600
Guide of door leaf	Round Spiral	–	–
Steel design	Galvanized sheet steel frame	●	●
	Powder coated in RAL colours	○	○
Door leaf	EFA-CLEAR® Vision laths single-walled	–	–
	EFA-VENT® Ventilation laths	–	–
	EFA-ALUX® Aluminium laths	–	–
	Colour according to RAL (without vision panel)	–	–
	Door curtain made of flexible PVC, transparent with warning stripes in different colours	●	–
	flexible fabric in different colours with/without vision panel	○/○	–/●
Fire class	Building Material class DIN 4102	B2	B2
Weight balancing by		–	–
Designed for approx ... operating cycles per year		250,000	500,000
Drive	Electric motor	●	●
Control	EFA-TRONIC®	○	–
	EFA-TRONIC® Light	●	●
	EFA-TRONIC® Professional	–	–
	Main switch and foil keypad	–/●	–
Lead	Electricity connection 230 V/50 Hz	●	●
	Electricity connection 400 V/50 Hz	○	–
	Circuit breaker	16 A (K)	16 A (K)
Emergency operation	Automatic after manual activation	–	–
	Manual activation	○(*)	–
Safety Devices	EFA-TLG® door light grid in door closing line	○	–
	Contact edge	●	–
	Light barrier	●	–
	Approach area monitoring	○	–
	Light grid, external	○	○
Safety system including activator	EFA-SCAN® frame/bollard	–/○	–/○
	EFA-3D-SCAN	○	○

● Standard, ○ upon request, – Not available, ○(*) Depending on the type of drive,

* Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!





CA

FLUG R. 93

M

EFAFLEX
Tor- und Sicherheitssysteme
GmbH & Co. KG
Fliederstraße 14
84079 Bruckberg / Germany
Telephone +49 8765 82-0
www.efaflex.com
info@efaflex.com

EFAFLEX® is a registered and legally
protected trademark.

Subject to technical changes. Some
diagrams depict special features.

Overall design:

www.creativconcept.de 04 | 2025

EFAFLEX 
safe high-speed doors