

EFAFLEX 
safe high-speed doors

S Series



*High-speed spiral door Essential.
Your portal to the premier league!*

The cost-effective high-speed spiral door.



Save energy costs effectively with the EFA-SST®

The EFA-SST® is the most cost-effective solution for a regularly frequented building due to its outstanding thermal insulation. The inside temperature remains constant with no unwanted heat or cold penetrating the building. From the Premium to the Essential design, the opening and closing speed of the door ensures energy losses are kept to the lowest possible levels.



Designed for a long life

The EFA-SST® generation always fulfils the highest expectations, even in constant use. The EFA-SST® is extremely stable and weather-proof. As well as outstanding thermal and acoustic insulation, it has an above-average resilience against the wind. "Indestructibly", EFAFLEX high-speed spiral doors complete up to 250,000 load cycles per year without any great need for maintenance. You can rely on EFA-SST® to live a long life!

All the rubber seals between the EFA-THERM® laths are fitted using the intricate "clip" technique. Even if one or more laths are missing, the EFA-SST® can still be operated.

Technical Data:

Series S

| | | EFA-SST® | | | | | | | | | |
|---|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | PREMIUM | | | | | | | ECO | | ESSENTIAL |
| | | L | S | ÜS | XL | XXL | ISO-60 | ACS-DS | L | S | |
| Application | Interior door | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Lock-up door | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Wind load maximum* | According to DIN EN 12424 class | 2-4 | 2-4 | 2-4 | 0-2 | 2-4 | 2-4 | 0 | 2-4 | 2-4 | 2-4 |
| Operating forces/safe opening | According to DIN EN 13241 | fulfilled | fulfilled | fulfilled | fulfilled | fulfilled | fulfilled | fulfilled | fulfilled | fulfilled | fulfilled |
| Resistance against water ingress* | According to DIN EN 13241 class | 3 | 3 | 3 | 3 | 1 | 3 | 0 | 3 | 3 | 2 |
| Air permeability* | According to DIN EN 13241 class | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 0 |
| Direct airborne sound insulation R _w * in dB accounting to DIN EN 717-1 | | 24 | 25 | 26 | 26 | 26 | 25 | 22 | 24 | 25 | 20 |
| U value maximum* | in W/m ² K accounting to DIN EN 13241 | 1.52 | 0.91 | 0.66 | 0.66 | 0.54 | 0.80 | - | 1.52 | 0.91 | 1.67 |
| Door size (in mm) | Width B max. | 4,500 | 6,000 | 8,000 | 10,000 | 10,000 | 6,000 | 4,000 | 4,500 | 6,000 | 4,500 |
| | Height H max. | 5,000 | 6,000 | 8,000 | 6,600 | 12,000 | 6,000 | 5,000 | 5,000 | 6,000 | 5,000 |
| Maximum door blade speed* | in m/s | 2.5 | 1.5 | 1.2 | 1.0 | 0.5 | 2.5 | 2.5 | 1.5 | 1.2 | 0.5 |
| Average speed, ca.* | Opening in m/s | 2.0 | 1.2 | 1.0 | 0.8 | 0.5 | 2.0 | 2.0 | 1.0 | 0.9 | 0.5 |
| | Closing in m/s | - | - | - | - | - | 0.75 | - | 0.6 | 0.6 | 0.5 |
| | Closing in m/s, with EFA-TLG® door light-line grid | 1.0 | 1.0 | 0.8 | 0.4 | 0.3 | 1.0 | 1.0 | - | - | - |
| Door blade guidance | Round Spiral | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Oval Spiral | ● | ● | - | - | - | - | - | ● | ● | - |
| | Low-header | - | - | - | - | - | - | - | ● | ● | - |
| Steel design | Galvanized sheet steel frame | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Stainless steel | ○ | ○ | - | - | - | ○ | ○ | ○ | ○ | - |
| | Powder coated in RAL colours | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Door blade | EFA-THERM® laths, double-walled, insulated/painted | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | EFA-THERM® laths with double-walled transparent laths | - | - | ○ | ○ | - | - | - | - | - | - |
| | EFA-ISO-CLEAR double-walled, thermally separated/anodized | ○ | ○ | - | - | ○ | ○ | ○ | ○ | ○ | ○ |
| | EFA-CLEAR® single-walled/anodized | ○ | ○ | - | - | - | - | ○ | ○ | ○ | ○ |
| | Ventilation laths | ○ | ○ | - | - | - | - | ○ | ○ | ○ | ○ |
| | Colour according to RAL (without window panel) | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Fire class | Building Material class DIN 4102 | B2 | B2 | B2 | B2 | B2 | B2 | B2 | B2 | B2 | B2 |
| Weight balancing by | | Spring | Spring | Spring | Spring | Spring | Spring | Spring | Spring | Spring | Spring |
| Designed for approx ... Load cycles per year | | 250,000 | 250,000 | 250,000 | 150,000 | 100,000 | 250,000 | 250,000 | 200,000 | 200,000 | 100,000 |
| Collision protection | Active Crash System EFA-ACS®/EFA-EAS® | -/- | -/- | -/- | -/- | -/- | -/- | ●/- | -/- | -/- | - |
| Drive | Electric motor with frequency converter | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Control | EFA-TRONIC® | ● | ● | ○ | ○ | ○ | ● | ● | ● | ● | ○ |
| | Frequency converter | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | EFA-TRONIC® PROFESSIONAL | ○ | ○ | ● | ● | ● | ○ | ○ | ○ | ○ | ○ |
| | Main switch and foil keypad FUZ2-EF | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ |
| 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) | 16 A(K) | 16 A(K) | 16 A(K) | 16 A(K) | 16 A(K) |
| Manual locking | | ● | ● | ● | ● | ● | ○ | - | ○ | ○ | ○ |
| Emergency opening | Automatic after manual activation | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Safety Device | EFA-TLG® door light-line grid in door closing line | ● | ● | ● | ● | ● | ● | ● | ○ | ○ | - |
| | Contact edge | ○ | ○ | - | - | - | ○ | - | ● | ● | ● |
| | Light barrier | - | - | - | - | - | ○ | - | ○ | ○ | ○ |
| | Approach area monitoring | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Safety system including activator | EFA-SCAN® frame/bollard | ○/○ | ○/○ | ○/○ | ○/○ | ○/○ | ○/○ | ○/○ | ○/○ | ○/○ | - |
| Activators | Connection of all common activators possible | ● | ● | ● | ● | ○/○ | ● | ● | ● | ● | ● |

● Standard, ○ Upon request, - Not available, *Depending on door blade, door blade guidance and door size, we reserve the right to make technical alterations!

EFA-SST® Essential

A glance at the advantages of the EFA-SST® Essential high-speed-spiral door:

- Very good acoustic and thermal insulation
- Comes as standard with EFA-THERM® laths
- Maximum speed of up to 0.5 m/s
- Wind resistance class 2 – 4
- Up to 100,000 load cycles per year
- Suitable for external and internal applications
- Automated emergency opening after manual activation
- Double-walled vision laths, ventilation laths and door locking are also available
- 10 year availability guarantee for replacement parts

With the EFA-SST® Essential high-speed spiral door, the switch-over from conventional door systems to the premium products of EFAFLEX is even easier.

Efficient and economical, this robust spiral door fulfils the consistently high quality standards of EFAFLEX and allows a particularly attractive purchase price due to its basic equipment.

Reliable and rapid

The ingenious building principle of EFAFLEX spirals permits a compact structure of the door system. This homogeneous structure guarantees very good mechanical properties combined with a sufficiently high speed.

Through the contactless winding of the door blade, any scratching to the surfaces is prevented. The optional vision laths remain transparent, even during intensive use.



EFA-THERM® makes the difference

The door blade consists of EFA-THERM® laths, which are connected using a hinge chain. By rolling down the low-maintenance rollers in the door blade guide, there is very little noise, no wear-and-tear develops on the door blade itself, leading to a long-lasting life for the door.

The weight counterbalance of the door blade is created by a countertraction device. The control springs are taut when the door is closed and relaxed when it is open. In emergency situations, the automated emergency opening of the door can be activated manually, even when the power is off. A security advantage with EFAFLEX spiral doors.

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Technological advancement. Pioneering design.

EFAFLEX® is a registered and legally protected trademark.

Subject to technical changes. Some diagrams depict special features.

Overall design:

www.creativconcept.de 09121

For more than 40 years, EFAFLEX has developed and designed reliable and highly-efficient high-speed doors. With innovative technology and pioneering solutions for special requests, EFAFLEX continually provides the market with new stimuli. This leadership role through superior technology, the best quality and a maximum degree of security is part of EFAFLEX's identity. More than 1,000 employees guarantee competent consultation and excellent service. Worldwide and always near you.

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