

# High-speed folding doors

Combining the perfect aesthetics and functionality

F Series



**EFAFLEX**   
safe high-speed doors



ARENA CONTROL

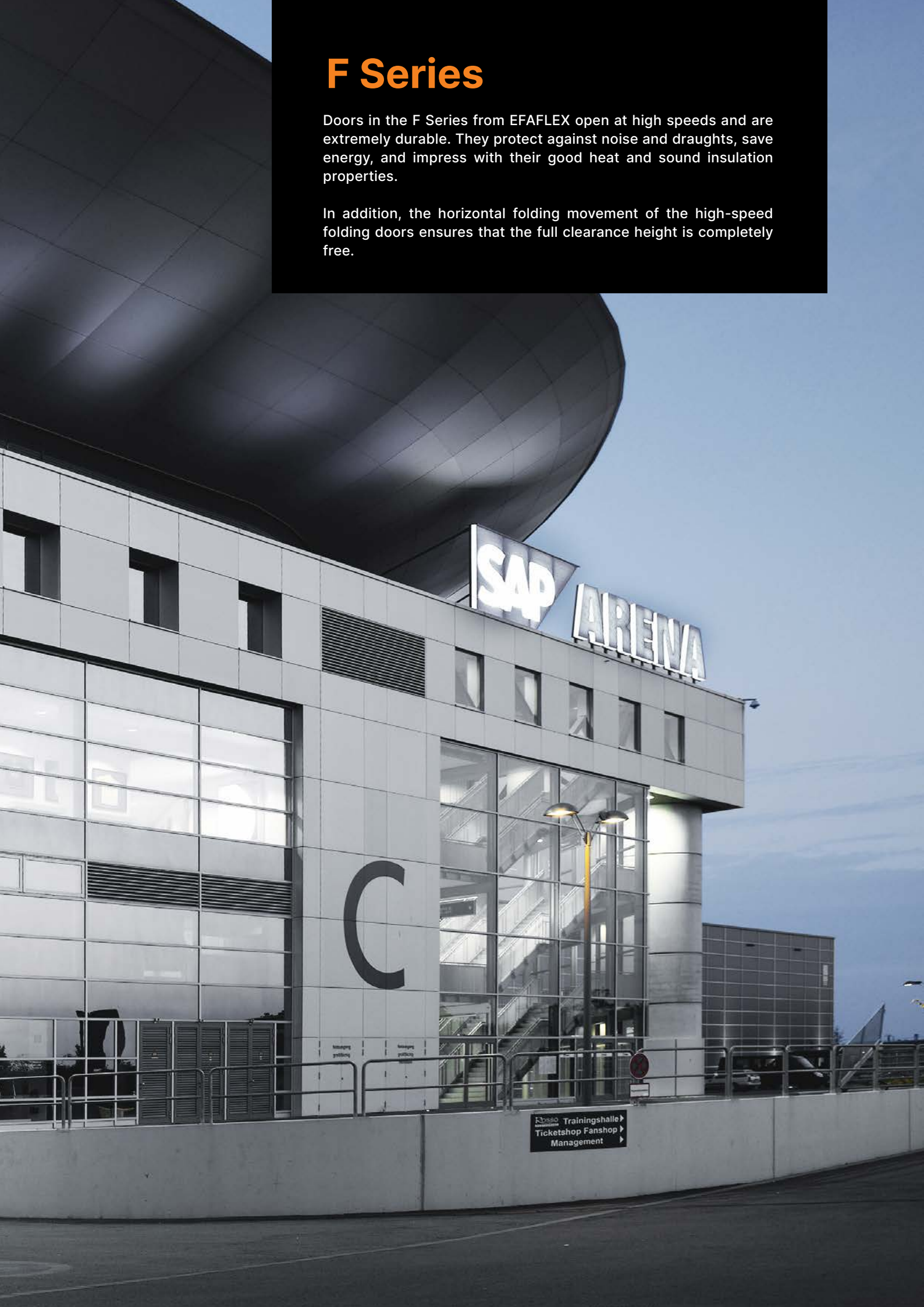
4.0m



# F Series

Doors in the F Series from EFAFLEX open at high speeds and are extremely durable. They protect against noise and draughts, save energy, and impress with their good heat and sound insulation properties.

In addition, the horizontal folding movement of the high-speed folding doors ensures that the full clearance height is completely free.





3/C

# The folding door for outside and inside.

## EFA-SFT®

The EFA-SFT® combines functionality and aesthetics. Due to the modular structure, it is easy to repair and low-maintenance. Particularly large doors are fitted with special floor stoppers, to additionally stabilise the closed wing in the middle area. If necessary, the integration of pedestrian doors is also possible.

### **GALVANISED STEEL & CORROSION-FREE ALUMINIUM**

The EFA-SFT® is made of aluminium and steel, a combination for the highest quality standard. The supporting parts of the EFA-SFT® are made from galvanised steel sheet as standard. The door leaf is made of anodised, corrosion-free aluminium and is fitted with single pane acrylic glass, which lets lots of daylight into the building. Optionally, double glazed insulating glass guarantees you excellent thermal insulation with high-speed fold doors.

### **FULL CLEARANCE WITHOUT DELAY**

The horizontal folding movement of the high-speed fold door ensures that the full clear height is completely clear. Even a EFA-SFT® door several metres wide and tall can achieve speeds of up to 2.5 m/s. In the interior area, this advantage ensures flawless sequences. Outdoors, the high opening and closing speeds effectively help to save energy. In addition, F Series doors are extremely resilient. They protect against noise and drafts, save energy and impress with good heat and sound insulation properties.

### **REMOTE LOCKING**

The EFA-SFT® can be equipped with a comfortable remote locking mechanism. It can be operated from the control box or an external key switch. If necessary, the door can be unlocked from the inside with a lever and opened by hand.

### **EFA-SFT® AT A GLANCE:**

- Fast, robust, economical
- Minimal space requirement
- Excellent price-performance ratio
- Opening speed up to 2.5 m/s
- Closing speed up to 1.0 m/s
- Up to 150,000 operating cycles p.a.
- Standard sizes up to w=5,250 mm, h=7,000 mm



The wings of the high-speed folding doors are connected using a refined cardan joint which disperses any incidental tensions that may arise during opening. This simple but effective method guarantees low maintenance and smooth operations for years to come.




For more information on our high-speed folding doors visit:  
[www.efaflex.com/f-series](http://www.efaflex.com/f-series)







## Customised configuration options.

The extraordinarily heavy-duty curtains can be delivered fully transparent or in different colours.


 RAL 1021  
Colza yellow

 RAL 2008  
Bright red orange

 RAL 3002  
Carmine red


 RAL 5002  
Ultramarine blue

 RAL 6005  
Moss green

 RAL 7016  
Anthracite

 RAL 7035  
Light grey

 RAL 9010  
Pure white

 RAL 9016  
Traffic white

# Technical data

## High-speed folding doors

|   |   | F Series    |             |             |             |
|---|---|-------------|-------------|-------------|-------------|
|   |   | EFA-SFT®    |             |             |             |
|   |   | Double leaf | Single leaf | Double leaf | Single leaf |
| Size                                      |   | L           | L           | S           | S           |
| Application                               | Internal door   | o           | o           | o           | o           |
|   | Closing door  | ●           | ●           | ●           | ●           |
| Wind load, max.*                          | According to DIN EN 12424 in classes                        | 4           | 4           | 3           | 3           |
| Operating forces / secure closing         | According to DIN EN 13241 in classes                        | fulfilled   | fulfilled   | fulfilled   | fulfilled   |
| Resistance against penetrating water*     | According to DIN EN 13241 in classes                        | 0           | 0           | 0           | 0           |
| Air permeability*                         | According to DIN EN 13241 in classes                        | 0           | 0           | 0           | 0           |
| Direct airborne sound insulation $R_w$ *  | in dB according to DIN EN 717-1                             | 21          | 21          | 21          | 21          |
| U-value maximum*                          | in W/m²K according to DIN EN 13241                          | 4.88        | 4.88        | 4.66        | 4.66        |
| Door size (in mm)                         | Width W max.  | 3,750       | 1,750       | 5,250       | 3,000       |
|   | Height H max.   | 3,750       | 3,750       | 7,000       | 7,000       |
| Maximum door leaf speed*                  | in m/s  | 2.0         | 2.5         | 2.0         | 2.5         |
| Steel design                              | Galvanised steel-sheet frame                                | ●           | ●           | ●           | ●           |
|   | Stainless steel   | –           | –           | –           | –           |
|   | Powder-coated in an RAL colour                              | o           | o           | o           | o           |
| Door leaf                                 | Insulated / painted EFA-THERM® lath                         | –           | –           | –           | –           |
|   | Single-walled / double-walled / triple-walled viewing panel | ●/o/–       | ●/o/–       | ●/o/–       | ●/o/–       |
|   | Single-walled / double-walled non-transparent filling       | o/o         | o/o         | o/o         | o/o         |
|   | Colour according to RAL (without viewing panel)             | o           | o           | o           | o           |
|   | Frame structure made of anodised E6 / EV1 aluminium         | o           | o           | o           | o           |
| Fire behaviour                            | DIN 4102 material class                                     | B2          | B2          | B2          | B2          |
| Designed for approx. ... load cycles p.a. |   | 150,000     | 150,000     | 150,000     | 150,000     |
| Drive                                     | Electric motor  | ●           | ●           | ●           | ●           |
| Control                                   | EFA-TRONIC®   | ●           | ●           | ●           | ●           |
|   | EFA-TRONIC® Light   | –           | –           | –           | –           |
|   | EFA-TRONIC® Professional                                    | o           | o           | o           | o           |
|   | Main switch with membrane keyboard                          | ●           | ●           | ●           | ●           |
| Lead                                      | Power supply connection 230 V / 50 Hz                       | ●           | ●           | ●           | ●           |
|   | Circuit breaker   | 16 A (K)    | 16 A (K)    | 16 A (K)    | 16 A (K)    |
| Manual locking mechanism                  |   | o           | o           | o           | o           |
| Emergency operation                       | Manual activation   | ●           | ●           | ●           | ●           |
| Safety devices                            | Safety edge   | ●           | ●           | ●           | ●           |
|   | Light barrier   | ●           | ●           | ●           | ●           |
|   | Approach area monitoring                                    | o           | o           | o           | o           |
|   | External light grid   | o           | o           | o           | o           |
| Safety system incl. pulse generator       | EFA-SCAN® bollard   | o           | o           | o           | o           |

● Standard, o on request, – not deliverable, \* dependent on door leaf, door leaf support and door size, subject to technical changes!

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EFAFLEX® is a registered and legally  
protected trademark.

Subject to technical changes. Some  
diagrams depict special features.

Overall design:

[www.creativconcept.de](http://www.creativconcept.de) 02 | 2024