

High speed spiral door, Type „EFA-SST® Therm Eco“

Manufacturing, delivery and installation of:

EFAFLEX offers the high-speed spiral door type “**EFA-SST® Therm Eco**”, designed for demanding industrial continuous operation. This door combines top-notch performance with outstanding durability.

The **door system** consists of galvanized, self-supporting steel frames with a spiral door leaf reception. A dual-sided synchronous shaft ensures even force distribution. Precision ball-bearing rollers provide exact, smooth and quiet guidance of the hinge bands. A spring mechanism certified according to DIN EN 12064 balances the weight of the door leaf, allowing manual opening in case of a power failure.

The **door leaf** consists of double-walled, thermally separated **EFA-THERM®** laths with a two-layer coating in white aluminum (similar to RAL 9006).

The innovative **spiral body** of the door is designed so that the laths of the door leaf pass each other completely contact-free. This guarantees wear-free and quiet operation.

The **door drive** is powered by a high-performance high-frequency geared brake motor. Inductive proximity switches continuously and precisely detect the door positions, with the end positions determined electronically. Electromechanical limit switches are not permitted.

Opening Speed	:	up to approx. 1,3 m/sec.
Max. door leaf speed	:	up to approx. 1,5 m/sec. (depending on door size)
Closing speed:		up to approx. 1,0 m/sec.

The **EFA-TRONIC®** control system with integrated frequency converter is housed in a plastic control cabinet (protection class IP 65). Connection to the power supply is made with 230V or 400V at 50 Hz (provided by the customer).

The integrated TÜV-approved door line light grid (**EFA-TLG®**) ensures maximum safety. It is integrated into the side frames and creates a dense infrared light grid up to a height of 2,5 m. Obstacles are detected without contact, and the automatic closing movement is immediately stopped.

Regulation according to DIN EN 13241-1 are fulfilled;
Resistance to wind load according to DIN EN 12424 up to class 4
Resistance to water penetration according to DIN EN 12425 class 3
Air permeability according to DIN EN 12426 Klasse 3
Airborne sound insulation according to DIN EN ISO 7171 up to 24 dB(A)
Thermal insulation according to DIN EN 12428 up to 1,4 W/m²K
(Values depend on door size and equipment)

for clear height

Width = mm x Height = mm

Manufacturer's certificate:

EFAFLEX Tor- und Sicherheitssysteme GmbH & Co. KG
www.efaflex.com

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