

# GEA AUTOMATION

## SPECIFICATION SHEET

**Manufacturer:** EFAFLEX

**Function:** Cleanroom high-speed turbo door

**Type:** EFAFLEX STT-CR

**GEA Automation**

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**Info:** The EFA-SRT CR Premium has been developed in cooperation with TÜV to satisfy GMP requirements.

## Overview:

Manufacture, delivery and installation of High-speed turbo door, type "EFA-STT-CR" with electro-mechanical high-performance drive unit for permanent industrial use, preferably in clean rooms with air pressure differences of up to 30 Pa with an air loss of  $< < 100\text{m}^3/\text{hr}$  (size-dependent).



The components of the door system, which are especially hermetically sealed towards one another, mainly consist of:

Self-supporting, lateral steel frames; steel parts generally galvanised, spiral-shaped door leaf guidance and their complete facing (can be folded down for inspection purposes).

The load is transmitted on both sides: For achieving this, a synchronised shaft will be installed. For the exact, smooth and low-noise guidance of the hinge straps ball-bearing precision rolling units are used. A sufficiently dimensioned tension spring mechanism, ensuring the weight balancing of the door leaf according to the standard DIN EN 12604 and a manual opening of the door (e.g. in the case of a power failure) is installed in the door frames.

The door leaf consists of a frame made of anodised aluminium as well as of a middle area which is made of transparent, single-walled acrylic glass. The visible surface of the door leaf must be at least 70%, and optical clarity must be ensured permanently.

This SPIRAL BODY is designed to guide the laths of the door leaf completely without contact and thus without wear and with best possible noise reduction.

The DOOR is driven by a geared motor which has to be developed as high-frequency motor. The positions of the door are permanently detected by means of non-wearing, inductive proximity switches, with the limits being determined electronically. Electro-mechanical limit switches are not permissible here.

<b>Air pressure</b>	30PA
<b>ISO Class</b>	6
<b>Cycles per year</b>	200000
<b>Max width</b>	4000mm
<b>Max Height</b>	5000mm
<b>Finish</b>	Stainless steel/Powder coated to RAL
<b>Max Speed</b>	3m/s
<b>Emergency release</b>	Counterbalanced by springs

## Extras:

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