



The High-speed folding door 650 is a fast folding door designed for large industrial passages with intensive use and resistant to high wind pressure. The maximum dimensions of the High-speed folding door 650 are 20.000 x 10.000 mm (wxh).

The High-speed folding door 650 is constructed from a 0.9 mm polyester fabric door leaf and is fitted with horizontal steel pipes and is therefore resistant to high wind pressure. Standard Class 1 and optionally resistant to wind class 2 and even 3.

#### Materials

The solid, self-supporting guides of galvanised steel ensure that the High-speed folding door 650 is easy to install. The guides are equipped with a belt between which the door leaf moves, which tapers at the bottom and realises a good seal.

As standard, the door has a casing for the winding pipe and drive in galvanized or enamelled steel. Optional, this is also available, just as the guides, in stainless steel AISI 441 (304) or 316.

The door leaf of 0.9 mm polyester fabric is available in 13 standard colours and is standard equipped with two rows of viewing windows (1200 x 300 mm) with rounded or straight corners at eye level.

<b>Colour</b>	RAL 9010, 1015, 1003, 2004, 3002, 6026, 5012, 5002, 7037, 7042, 7035, 9006 or 9005
<b>Fire resistance</b>	Self-extinguishing class 2 (DIN 4102)

The energy loss can still be improved by optionally equipping the High-speed folding door 650 with an insulated door leaf of 3 mm (3.9 W/m<sup>2</sup>) or 7 mm (3.3 W/m<sup>2</sup>).

The High-speed folding door 650 is standard equipped with a clear size safety device via a photocell in the side guide. Optional, an additional safety light frame can be used, which monitors the passage at a height of 2500 mm when the door is closed.

Conform European regulations the High-speed folding door 650 is standard equipped with an emergency hand crank to manually open the door in case of a power failure. This complies with European regulations, but this is a time-consuming operation.

Optional controls in case of a power failure:

#### - Counterweight installation

Counterweight in the side guide, which can be unlocked via a handle on the side guide. This releases the brake of the drive, the counterweight moves down and automatically opens the door leaf partially.

#### Dimensions

The dimensions of the High-speed folding door 650 is based on the clear size width and height, both dimensions are used in mm.

*Maximum clear size width .....20,000 mm*  
*Maximum clear size height..... 10,000 mm*

#### Control

The High-speed folding door 650 is supplied with two 230V or 400V drives, both left as right. Optional, the drive can be designed as a front engine, whereby only the width of the side guides take up space. When open the door is held by an electronic brake.

The High-speed folding door 650 is standard equipped with a plastic control box (IP65) or grey enamelled steel control box (IP54). Both are equipped with a control button for opening or closing, an emergency button and a main power switch. Optional the control box can be made from high quality stainless steel (IP65), or the control box can be equipped with an integrated emergency power supply.

There are many options available for opening and closing the High-speed folding door 650. Examples are a movement and/or presence detector, a pull cord, a remote control, an induction loop, infrared sensors or push buttons. With this extensive package of options a suitable solution can be found for every situation.

#### **Safety provisions**

The High-speed folding door 650 has a CE marking, a quality and safety guarantee. The door complies with all relevant European standards for industrial doors.

#### **Application**

The High-speed door 650 is suitable for situations where vehicles and/or persons frequently come and go and this requires a compact high-speed door which is designed for intensive use. By using the High-speed folding door 650 a balance is created between logistical movements and draft protection, resulting in an improvement of the working conditions, more constant temperatures and significant savings in energy costs.

For customer-specific solutions, there is a wide choice of finishes, controls and options that increase user-friendliness, improve the safety and enable the integration with other products or systems at the loading/unloading station.

#### **Technical specifications**

Standard ..... CE  
Construction ..... Steel galvanised or enamelled in colour  
Engine power..... 0,75-1,5kW  
Connection ..... 230 V, 400 V, 50/ 60 Hz  
Emergency opening .... Standard emergency hand crank  
Opening speed..... max 1.0 m/s  
Closing speed..... 0.8m/s  
Door leaf material.....0.9 mm polyester  
Canvas colour RAL 9010, 1015, 1003, 2004, 3002, 6026, 5012, 5002, 7037, 7042, 7035, 9006 or 9005  
View window.....2 mm PVC  
Operating power .....24 V dc  
Protection class ..... IP 54/IP 65  
Sustainability EN 12604..... 1.000.000 cycles  
Wind class ..... Class 1, optional class 2 or 3

#### **Options**

- Stainless steel AISA 441 (304) or Stainless 316 construction,
- Door leaf in other RAL colour,
- Disconnection system with battery for automatic opening in case of power failure,
- Customer-specific logo on door leaf,
- Various door openers,
- Warning lights.