

# High-speed door 640NG CLEAN



The high-speed door 640 CLEAN has been specially developed for environments where high requirements are set for air permeability in under and overpressure rooms, such as cleanrooms for the pharmaceutical industry, processing of chemicals or electronic components.

The door is tested and certified on an air permeability  $<12\text{m}^3 / \text{m}^2\text{h}$  with an overpressure of 50Pa. The side guides, casing for the winding pipe and drive are standard supplied in high quality stainless steel 304.

## Materials

The solid frame of high quality stainless steel AISA441(304) or stainless steel 316 ensures that the High-speed door 640 CLEAN is easy to install.

The door leaf of 1.3 mm polyester fabric is available in 12 standard colours and is standard equipped with a viewing window at eye level over the entire width of the clear size, 500 mm high, starting at approx. 1400 mm from the mounting surface.

<b>Colour</b>	RAL 9010, 1015, 1003, 2004, 3002, 5012, 5002, 6026, 7035, 7037, 7042, 9005
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The door leaf of the High-speed door can optionally be delivered in an insulated door leaf of 3 mm ( $3.9\text{ W/m}^2$ ), 7 mm ( $3.3\text{ W/m}^2$ ) or in FDA (US Food and Drug Administration) certified canvas,  $1700\text{ grams/m}^2$ , 1.7 mm.

The High-speed door 640 CLEAN is standard equipped with a roll-off sensor with a photocell in the side guide as a clear size safety device. From a clear size width of 3000 mm an integrated safety light frame is standard

applied, that monitors the passage at a height of 2500 mm when the door is closed.

Due to the lack of horizontal reinforcement profiles the High-speed door 640 CLEAN standard has a self-repairing door leaf after a crash, across the full clear size height and not just across the part up to the reinforcement profiles, as is often the case with many high-speed doors!

Conform European regulations, the High-speed door 640 CLEAN is standard equipped with a 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.

Optional controls in case of a power failure:

- **Emergency power supply via a battery**  
The emergency power supply via a battery opens the door automatically in case of a power failure. The result can be compared with the use of the manual decoupling, but this automatic system operates without the intervention of human action via a supplied battery. A full-automatic opening of the door leaf in case of a power failure, has the advantage the logistical flows are not disturbed and it provides extra safety, for example, in case of a fire. The emergency battery is integrated in the control box.
- **Emergency opening door leaf**  
Emergency exit in the door leaf, whereby the passage can be used as escape route.

## Dimensions

The dimensions of the High-speed door 640 CLEAN are based on the clear size width and height, both dimensions are used in mm.

Maximum clear size width ..... 4000 mm  
Maximum clear size height..... 4000 mm

## Control

The High-speed door 640 CLEAN is supplied with a 230V or 400V frequency control system (IP65). The speed and position are constantly monitored with a digital encoder. When open the door is held by an electronic brake.

The high-speed door 640 CLEAN is standard equipped with a plastic control box (IP65), which is equipped with a control button for opening or closing, an emergency button and a

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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 door 640 CLEAN. 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 door 640 CLEAN has a CE marking, a quality and safety guarantee. The door complies with all relevant European standards for industrial doors.

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 .....	Stainless steel AISI 441 (304)
Engine power.....	1.5kW
Connection .....	230 V, 400 V, 50/ 60 Hz
Emergency opening .....	Counterweight
Opening speed.....	max 2.5 m/s
Closing speed .....	0,8m/s
Door leaf material.....	1.3 mm polyester
Canvas colour RAL 9010, 1015, 1003, 2004, 3002, 5012, 5002, 6026, 7035, 7037, 7042, 9005	
View panel .....	2 mm PVC
Operating power .....	24 V dc
Protection class.....	IP 65
Sustainability EN 12604.....	1,000,000 cycles
Wind class .....	Class 1

## Options

- Stainless steel 316 construction,
- Door leaf in other RAL colour,
- Additional view panels or 'full-vision' version,
- Reinforced bottom profile for guaranteed closing at higher wind loads,
- Disconnection system with battery for automatic opening in case of power failure,
- Customer-specific logo on door leaf,
- Various door openers,
- Warning lights.