

High-speed door 640NG



The High-speed door 640 is designed for intensive use. The door is extremely suitable in situations where draft protection is necessary, but the frequent coming and going of vehicles requires a door that opens and closes quickly. The High-speed 640 door can be best described as 'the all in one' high-speed door. Due to the superior seal of the door leaf in the side guides the High-speed door has a standard class 4 wind resistant. Therefore the door is extremely suitable for both indoor as outdoor applications.

Materials

The solid frame of galvanised steel, ensures that the High-speed door 640 is easy to install. The limited dimensions of the frame enables installation in places where there is little space available.

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)!

The door leaf of 1.3 mm polyester fabric is available in 13 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.

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

The superior seal makes horizontal reinforcement profiles superfluous so that the door not only opens and closes much more quietly, but the High-speed door

640 is also much more hygienic at the same time and therefore perfectly suited to be used in the nutrition and food industry.

The quick opening and closing minimises the heat and energy loss. The energy loss can still be improved by optionally equipping the High-speed door 640 with an insulated door leaf of 3 mm (3.9 W/m²), 7 mm (3.3 W/m²) or in FDA (US Food and Drug Administration) certified canvas, 1700 grams/m², 1.7 mm.

The High-speed door 640 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 used as a standard, which 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 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 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.
- **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 systems 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.

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Dimensions

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

Maximum clear size width 7000 mm
Maximum clear size height..... 6000 mm

Control

The High-speed door 640 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 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 door 640. 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 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 640 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 door 640 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 2.0 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 54/IP 65
 Sustainability EN 12604..... 1,000,000 cycles
 Wind class..... 3000 x 3000 mm Class 4
 5000 x 5000 mm Class3
 7000 x 5000 mm Class 2
 8000 x 8000 mm Class 1

Options

- Stainless steel AISA 441 (304) or Stainless 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.