



High-speed door HSD-I

Example of tender text:

High-speed door HSD-I = width : 4,250 mm, height : 4,000 mm. Curtain made of fabric-reinforced PES 1 mm thick, standard colour RAL 2004 pure orange. Fabric-reinforced roller shutter door curtain in extremely robust and tear-resistant design including two viewing panels (1200 x 500 mm each) made of transparent PVC from approx. 1500 mm above Upper edge of finished floor (UEFF). Special zip fasteners attached to the side of the curtain ensure a high level of tightness and thus save valuable energy. The lower end is formed by an end pocket. This ensures blade tension and optimum floor sealing. The high-performance springs attached to the aluminium guide rails ensure optimum curtain tension. In the event of a crack, the curtain jumps out of the guide rails, retracts automatically and is back in the guide rails the next time the door is operated. (Assemble and specify as required. Please refer to the technical data below for the relevant information. Status 01.10.2024)

Technical Data

Product	HSD-I Internal door with wind load class (WLK) 1	Drive	Plug-in drive with electromagnetic brake, 400 volts, protection class IP 54, 45-60 cycles (Open/Close) per hour (depending on height), integrated safety catch device, digital limit switch, emergency opening via manual emergency crank. <ul style="list-style-type: none"> It is characterised by its robust and low-maintenance design With digital limit switch (absolute encoder) as standard Self-adjusting motor brake The motor can be mounted on the left or right Emergency operation via emergency hand crank or emergency hand chain
Curtain	Fabric-reinforced, approx. 1.0 mm thick curtain made of PES in an extremely durable and tear-resistant design. The curtain is guided in the guide profile without mechanical parts that are susceptible to wear. Special zip fasteners attached to the side of the curtain ensure a high level of impermeability.	Crash system	Crash protection: In the event of a crash, the door curtain jumps out of the guide rails and is automatically rethreaded when the door is raised. The next time the door is lowered, the zip is once again correctly positioned in the guide rails. Safety devices: <ul style="list-style-type: none"> The worm gear motor is equipped with a safety gear and a motor brake as standard. To protect people and material, the doors are secured with a light grid integrated into the guide rails. The safety guidelines in accordance with ASR A1.7 for power-operated doors are fulfilled. Tested safety of the operating forces and safe opening in accordance with DIN EN 13241-1 are guaranteed.
Viewing windows	One or two transparent PVC viewing windows are arranged in the curtain. These can be arranged horizontally (1200 x 500) or vertically (500 x 1200 mm).		
Size range	maximum door size 4,600 x 4,600 mm		
Standard colors	based on: <ul style="list-style-type: none"> RAL 1018 Zinc Yellow RAL 2004 Pure Orange RAL 3002 Carmine Red RAL 5010 Gentian Blue RAL 7038 Agate Grey 		
Opening- / Closing approx.	HSD-I = Opening app. 1,5 - 2,0 m/sec. (depending on size) / Closing = app. 0,8 m/sec		
Construction	Self-supporting side guide rails (2-piece) made of high-quality aluminum (E6/EV1), with an integrated light grid. The covers of the guide rails can be removed for easy servicing. Laterally mounted high-performance springs ensure optimum leaf tension, optimised crash behaviour and good absorption of wind loads.		
Control Unit	Door control – CS 320 FU with plastic housing approximately (W x H x D) app. : 245 x 445 x 190 mm. FI control unit mounted in specially developed plastic housing IP 65, mains connection cable with 230 V Schuko plug and 3-way keypad (OPEN-EMERGENCY/OFF-CLOSE) on the housing cover. 3 potential-free contacts. Adjustable hold-open time from 0 - 600 sec. Status displays via LCD (plain text). External controls are possible.		

▪ **Wind load**

Classification according to EN 12424 Class: 1



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TECHNICAL DATA

Door width up to 4600 mm

S	= lintel height	500 / 520*
FS	= guide rail width	110
LS	= space required on the storage side	110 / 270**
AS	= space requirement on operator side	190** / 260***
ET	= installation depth	340 / 370****

Clearances:

- * with drive and or shaft panelling
- ** with weight compensation
- *** with drive cover or crank or chain
- **** with drive cover

All dimensions in millimetres (mm)

