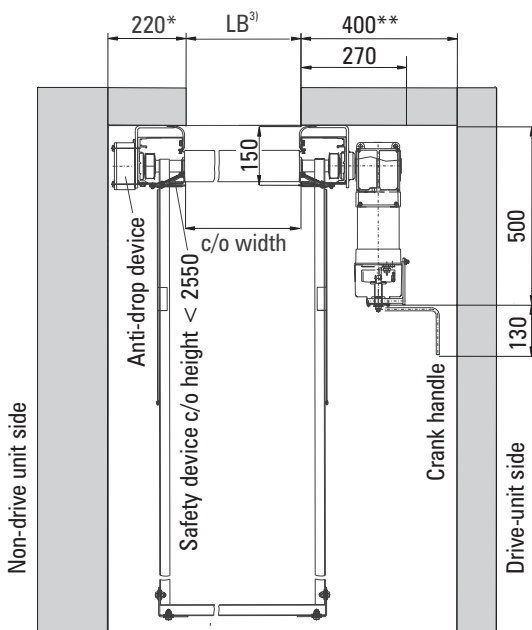
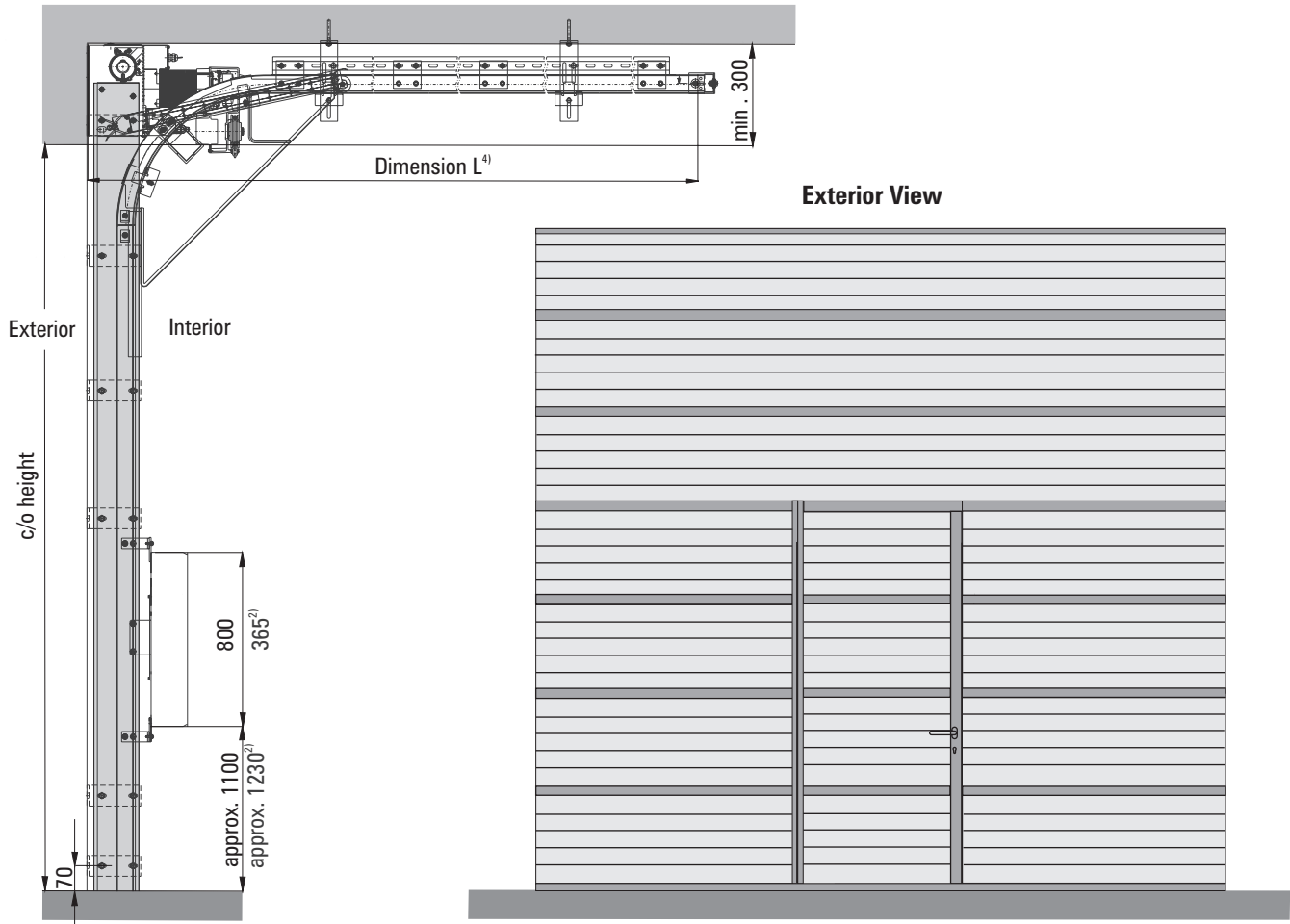


Technical Data Sectional Door SPACELITE® HTU 40 DA¹⁾



Please contact us, if the necessary lintel height is not available. We can offer other technical solutions.

We have detailed technical drawings with the exact installation dimensions for each door type at your disposal.

- *Space requirement tracks, fixing brackets, anti-drop device
- ** Space requirement including maintenance work
- ***Required space for maintenance of anti-drop device

¹⁾ DA = direct drive

²⁾ Control panel for SHT control system

³⁾ LB = Structural opening width

⁴⁾ for lintel height ≥ 691 : $L = \text{c/o height} + 495 - \text{track extension}$
 (track extension = lintel height - 300)
 for lintel height ≤ 690 : $L = \text{c/o height} + 245$

Important for door systems with pass doors!

The c/o width may not exceed the structural opening width (due to the photo eye).

Technical Data

Sectional Door SPACELITE® HTU 40

Mains connection . . . (supplied by contractor) 400 V/ 50 Hz, pre-fuse 10 A via three-phase current automation. For doors with frequency converter: 230 V/ 50 Hz, 16 A, via one-phase current automation. The residual current-operated circuit breaker is designed for both: Residual alternating current and residual pulsating direct current with a residual current ≥ 300 mA!
Note! The operator is responsible for the door inspection according to the VDE 100-610 or IEC 60364-6-61 respectively. For a three-phase current connection a »clockwise rotating field« has to be applied.

Drive unit. 1.22 kW and 2.5 kW, depending on the door size, via electrical drive unit, operating time S3 - 40 % with thermal overload protection, protection class IP 54.

Control system Fully wired microprocessor control (control voltage 24 VDC) is located inside the housing (protection class IP 54). OPEN/ STOP/ DOWN buttons for the door operation and the main switch separating all poles are located on the front of the casing. The control panel is attached at operation height (standard) to the door track. The door can be opened and closed in self-holding circuit either by a push button or via pulse transmitter. Connection clamps and a power supply of 24 VDC to connect a photo eye for passage control, are included. Two output relays can be triggered e.g. for a potential-free indication door open/ door closed and to trigger traffic lights and signal indicators. Operating status and malfunctions are indicated internally via LEDs. The opto-electronical sensor is tested.

Door panels Twin-walled fibreglass-panels of type 40 with aluminium profiles (e.g. anodized acc. to DIN 17611, opt. RAL colour coated) and rubber sealings; upon request double-walled plastic filling (SAN) is available; side profiles incl. guide rollers, joints. The panels are available in the colour shades »Emerald«, optional in »Sapphire« and »Brilliant«. Light transmission: Up to 78 % (dependent on colour and thermal insulation), U-value: 2.5 W/m²K. Possible improvement of the U-value to 1.7 W/m²K. Note: Significant improvement of the U-value can be achieved with polyurethane insertion profiles. Options: Vision elements (vision panels, oval windows) available upon request, pass door.

Pass door (option) . . . Material, rubber sealings, side profiles, colour shades of the door segments equal the door system. Option: Vision panels. Butt hinge: DIN left (standard), opening outwards (view from drive unit location). Prerequisite for door installation: Door width betw. 2500 and 5000 mm, door height min. 2800 mm. Door pos. centrally if vision panels are installed; otherwise min. distance to the door edge = 800 mm; top door lock. Threshold height: Approx. 25 mm.

Guide mechanism . . . Aluminium tracks, solid, mill-finished (optionally RAL colour coated, or anodized according to DIN 17611) with detachable track covers, built-in cable guide and brush profiles; galvanized steel guide rails guided along the ceiling (standard: 90°- deflection, options: Galvanized steel guide rails along the roof and vertical door).

Cassettes Galvanized steel (option: RAL-colour coated), aluminium drive tube, security device against unrolling, drive mechanism via drive belt.

Speed Opening: Approx. 0.25 m/s¹⁾, depending on door type up to 0.6 m/s²⁾, closing: max. 0.25 m/s.

Fast emergency (opt.) e.g. fire brigade doors; max. opening speed: approx. 0.4 m/s (with freq. converter) - concerns type HTU 40 K only.

Dimensions c/o width min. 1.0 m /max. 5.0 m; c/o height: min. 2,0 m / max. 5.0 m (special sizes upon request); c/o width (pass door): 900 mm, c/o height (pass door) standard: 2,100 mm, option: 2,000 mm; c/o height for doors with pass doors at least 2,800 mm; modular size of the door panels and pass door elements: approx. 490 mm.

Door sealing With rubber seals between the individual door panels, between tracks and door panels with brush-and rubber profiles, towards lintel and reveal with rubber seal lips, double rubber-profile towards the floor.

Safety Anti-drop device (security against unrolling) located at the non-drive unit side. Monitoring of the closing movement according to the latest regulations for power-operated windows, doors and gates via an opto-electr. sensor; door systems with pass doors have a signal-leading photo eye. Safeguarding of the carrying element via magnetic sensor.

Emergency operation Mechanical via crank handle, optionally via hoist chain.