**Attention: The technical specification of the stacking doors HT150 depends on a large number of factors of influence. Before establishing a tender we recommend a technical consultation with our product specialists in order to determine the best possible product specification for each application.**

**Tender specification fibreglass stacking door SPACELITE® HT150**

Fabrication, supply and installation of a stacking door as specified below, with spring-less drive, thermally insulated, light-transmitting door panels and a vertical stacking of the open door panels in a cassette behind the lintel. Doors with non-translucent panels, with torsion or tension springs for weight compensation or with protruding hinges or dangling cables are not considered as equivalent in this tender. The door must be conceived for an annual performance of 30 000 opening cylces.

**Product quality** and features of the door have to be tested and certified in accordance with standard EN 13241-1. The door meets following minimum requirements:

**Air permeability** (EN 12426): Class 2.

**Resistance to wind load** (EN12424): Class 2 to class 4 (depending on the door width)

**Resistance to water penetration** (EN 12425): Class 2

**Door frame:** solid aluminium tracks, mill-finished (option: RAL colour coated or anodised according to DIN 17611). For shearing protection closed on three sides, with easily detachable track covers. Cables protected in a cable duct.

**Steel cassette:** Galvanised, with drive unit on the right side, option: on the left side. Fixed at the lintel, without suspension from the ceiling.

**Door panels** made of translucent twin-wall fibreglass panels, colour shade »Brilliant« (option: »Emerald-Green« or »Sapphire-Blue«. Light transmission (depending on door type, colour and thermal insulation): up to 55%. Thermal transmittance value Up of the twin-wall fibreglass panels (Standard) 1.3 W/m2K. Option: Improved Up –value up to 0.83 W/m2K.

Frame profiles in aluminium mill-finished. Option: RAL colour coated or anodised according to DIN 17611.

Panel dimensions depth 150 mm, height approx. 1000 mm

Option: integrated oval window.

**Electric drive:** motor with thermal overheating protection and break, protection class IP 54 (Option: IP 65). Mechanical overload protection, avoiding damages caused by obstruction of the door movement. Opening and closing speed: approx. 10 cm/s.

**Emergency operation:** mechanically via hoist chain.

**Supply voltage:** 3/N/PE 400V 50 Hz, protected with circuit breaker C10A.

**Control:** Control system, protection class IP 54 (option: IP 65). Front panel with switch Up-Stop-Down for operation and all-pole separating main switch. Standard: Operation in self-holding circuit. Option automatic operation: door can be opened and closed in self-holding circuit. Connections for additional accessories are available. The function of output-relays is adjustable, e.g. for potential free indication door open / closed, for the connection of additional electric devices such as signal indicators or other accessories. Indication of operating status or malfunction by numerical code.

Option: variable opening height (Stop-X) can be activated by a selector switch.

**Accessories for control and safety:**

Options:

Key switch

Mushroom switch

Pull switch

Radio control receiver

Infrared light sensor

Radar motion sensor

Protection sensor laser

Protection sensor Infrared

Induction loop detector

Infrared light barrier

Photo eye with reflector (passage surveillance)

Light curtain (passage surveillance)

Traffic lights

Flash lights

Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Safety:** Anti-drop device with type examination test, integrated in the vertical guide tracks.

**Option Safety edge control**: In self-holding circuit via an opto-electronic sensor in accordance with the latest regulations for power-operated windows, doors and gates. Option: automatic closing with adjustable open time, with selection switch, in connection with a supervision of the closing area.

**Door sealing**: rubber seals between the individual door panels, between tracks and door panels with brush profiles, towards lintel and reveal with rubber seal lips, towards the floor with a rubber-profile. Profiles made of EPDM.

**Fixture:** behind the reveal withsolid, galvanised mounting brackets.

**Operation Manual** according to standard EN 82079-1.

**Delivery** to site and professional installation must be supplied. The electrical mains connection must be provided by the principal.

Quantity: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Clear Opening Width (mm): \_\_\_\_\_\_\_\_\_\_

Clear Opening Height (mm): \_\_\_\_\_\_\_\_\_\_

*(Notice: max. door width 15.0 m, max door height 6.0 m)*

**Manufacturer notification:**

Butzbach GmbH Industrietore

www.butzbach.com