



Technical Specification / Data Sheet

Product: LBS Alpha Sectional Doors

Supplier

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Application

A modern design door that unifies excellent thermal insulation and sound absorbing qualities in its standard micro-profiled panels.

Safety – Cables

The safety standard advises the lifting cables must have a minimum safety factor of 6, IE: the combined breaking strain of the cables must ensure a safety factor of 6 times the door weight. If the door is over 27m² and a minimum safety factor of 6 cannot be guaranteed a cable break device is required
As standard the system that LBS use/employ up to a door size of about 27m² is to supply normal bottom corner brackets for manual Doors and for Electric Doors we supply the same normal bottom corner brackets but with a cable slack switch, so in the event of a cable failure the motor will stop and the door cannot be used, if the cable breaks on a manual door the logic is the user will see the cable failure & refrain from using.

Safety – Spring break safety device

The European EN-13241-1 standard stipulates that a sectional door may never descend without being controlled. All manually operated sectional doors must therefore, be fitted with a spring break safety device. This device blocks the spring shaft in the event of a spring breaking and prevents the door from crashing down. With motor driven sectional doors, instead of a spring break safety device there is a self-locking gearbox. This means a spring break safety device is unnecessary, as it is only required for a motor with a release system.

Size

For openings up to 8m width and 6m high.

Performance

Standard 40mm panel has an insulation value: U=0.52 W/m²K
U-value ISO 40 mm sectional door: 5,000 x 5,000 mm: 1.02 W/m²K
Typical acoustic performance 25db
Standard 60mm panel has an insulation value: U=0.35 W/m²K
U-value ISO 60 mm sectional door: 5,000 x 5,000 mm: 0.77 W/m²K
Typical acoustic performance 25db
Standard 80mm panel has an insulation value: U=0,25 W/m²K
U-value ISO 80 mm sectional door: 5,000 x 5,000 mm: 0.49 W/m²K

Arrangement

Various track configurations available including
T450 – Standard lift
T400 – High lift
T500 – Vertical Lift
T240 – low headroom

Panels

Steel sandwich panels with PU high density foam infill

Tracks

Galvanised safety track system

Finish

12no colours from the standard range (other colours available with surcharge)

Vision Options

Fully glazed aluminium profile panels available for part or whole door
Panoramic panels as above, but without vertical dividers
Various options for windows for insulated panels including double glazed with straight or rounded corners

Operation Options

All doors operated via bespoke counterbalancing springs to allow for either:
Manual push up
Manual hand chain

Electric operation, via single or 3-phase

Via GFA Drive System with manual operation via removal endless hand-chain.

With surface mounted control panel with push button control providing impulse opening – Continuous pressure (DEADMAN) closing

Impulse closing with Low level obstruction protection to BS EN12453:2001

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