Sentry Automation Ltd

Strong

Rapid roll door for intensive interior use

INTERIOR APPLICATIONS | **0.7mm REINFORCED CURTAIN** | **OPTIONAL INVERTER**



FOR INTENSIVE INTERIOR USE

Robust construction for larger, frequently used internal openings up to 5,000 × 5,000mm.

REINFORCEMENT & ENDLOCKS

Aluminium curtain reinforcement profiles with integrated EndLocks are supplied as standard.

CHOICE OF DRIVE CONTROL

Standard opening up to 0.7m/s; optional frequency control increases opening to 1.8m/s*.

LIGHT CURTAIN AS STANDARD

Integrated safety light curtain to 2,500mm high, with manual opening on power loss.

STANDARD VISION SECTION

A transparent vision section is supplied as standard; insect-netting sections are optional.

The Strong is a rapid roll door for intensive use in larger interior openings. Reinforced PVC sections with aluminium profiles and integrated EndLocks provide a robust curtain, with a transparent vision section as standard. Side seals support draught exclusion and climate control; removable column covers simplify maintenance.

5,000 × 5,000mm	0.7 / 0.5m/s	Up to 1.8m/s*
Maximum opening / 25m²	Standard opening / closing speed	Opening with optional inverter

Supply only • Installation • Repairs • Planned servicing

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Strong / Specification

DIMENSIONS & PERFORMANCE

Maximum width / height	5,000mm / 5,000mm
Maximum area	25m²
Guide side room	170mm
Slip-on drive side room	300 / 425mm*
Drive fitting clearance	400 / 475mm*
Side-guide profile space	145 / 200mm*
Required headroom	410 / 460mm*
Standard open / close	Up to 0.7 / 0.5m/s
Inverter open / close	Up to 1.8* / 0.5m/s
Wind load classification	Width-dependent; see below
Product conformity	EN 13241

CONSTRUCTION & MATERIALS

0.7mm polyester-reinforced PVC curtain in horizontal sections with standard aluminium profiles and integrated EndLocks. Electrically driven steel roller; no balance springs. Optional 1.2mm fabric.

Hot-dip galvanised steel columns with removable front covers and tailored side seals. Aluminium HardEdge bottom beam as standard; flexible, soft-shell FlexEdge optional.

COLOURS, WINDOWS & COVERS

Curtain colours: blue, black, white, grey, graphite grey, red, orange or yellow. Vision section supplied as standard. Other vision / insect-netting sections available, typically between 1,000 and 2,000mm above floor level.

Optional stainless-steel columns; PVC, galvanised steel or stainless-steel top hood; specified RAL colour for hood / PVC cover; specified finishes subject to quotation.

DRIVE & ELECTRICAL

Direct-drive geared electric motor, mounted on the left or right.

Standard supply: 3N~400V / 50Hz / 16A.
With inverter: LNPE~230V / 50Hz / 16AT.
Motor: IP65; maximum consumed power 2kW.
Standard control box: IP54 with CEE plug.

CONTROLS & SAFETY

TS971 / TS981 / T100R (FU), selected for the application. Open-stop-close operation, seven-segment display, adjustable hold-open time, permanently open / closed settings, service and run modes.

Safety light curtain to 2,500mm high as standard. Geared motor includes built-in roll-off safety. Manual opening in the event of power loss.

SITE & CONNECTION REQUIREMENTS

Flat mounting frame and adequate mounting space required. Confirm precise installation dimensions with the technical drawing.

Provide the correct separately fused CEE socket within 500mm of the control unit. Standard drive: red 400V CEE; inverter: blue 230V CEE. Control box normally on the drive side about 1,500mm above the floor. Confirm circuit protection with the selected configuration.

OPTIONS & ACCESSORIES

Frequency control; push-button, pull switch, key switch, photocell, radar, induction loop or radio activation; door-to-door interlock.

Stainless-steel IP65 control box with separate power plug; directly wired IP65 box / main switch; traffic lights and orange / red warning beacon.

WIND LOAD RESISTANCE

Maximum EN 12424 rating by width: up to 3,000mm: Class 2; up to 4,000mm: Class 1; up to 5,000mm: Class 0. Confirm the selected configuration.

To quote: send opening dimensions, headroom and side room, site photographs, postcode, wind / draught conditions, power details, curtain finish and activation requirements.

*Depending on configuration. Based on manufacturer literature dated May 2024. Confirm dimensions, speeds, wind exposure, controls, electrical requirements and availability with quotation. Technical changes reserved.

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