

KONE Sectional high-speed door

FOR HIGH-TRAFFIC INDUSTRIAL ENVIRONMENTS

The KONE sectional high-speed door's patented spiral system with specially designed rollers has an uninterrupted chain-steel cable system driven by a powerful electric drive with a frequency converter.

The door is constructed from microline sections with a working height of 250-610 mm. When the door is opened, the sections run along a spiral-shaped rail. The powerful electric drive allows the door to open and close quickly, smoothly, and safely.



KEY BENEFITS

- With a maximum opening speed of 1.1 m/s, the KONE Sectional high-speed door opens up to six times faster than conventional door systems.
- Quick and hassle-free installation enabled by the unique, pre-mounted drive system with continuous chain-steel cable powertrain
- A smooth, quiet door solution that requires no torsion springs
- Compact design suits any modern building where space efficiency and lighting are important factors
- Long lifetime – with up to 200,000 cycles

STANDARDS COMPLIANCE

	ISO	ALU
Wind load according to EN 12424	Class 3	Class 3
Wind permeability	Class 2	Class 0
Water permeability	Class 1	Class 1
Thermal resistance / (U-value) W/m ² K	1.5	3.4
Complies with	EN 13241-1	

PRODUCT INFO

Technical specifications

Application	Commercial centers, industrial facilities, hospital and hotel loading areas
Max. dimensions	5000 x 5000 mm
Max. surface	25 m ²
Max. opening speed	1.1 m/s
Max. closing speed	0.5 m/s
Operating temperature	-5 to +50 degrees celcius

Body structure (frame)

Side guides / tracks	Galvanized steel
Spiral tracks	Aluminum

Curtain / door panel

Material	Insulated steel panels
Bottom seal	EPDM / PVC
Standard colors	RAL 9002 / 9006
Tracking system	Power train
Thermal insulation	U = 1.5 W/m ² K (ISO 5000 x 5000 mm)
Top & side seals	PVC

Motor	SI 35-100 FU & SI 20-100 FU
Control unit	TS971 & TS981
Power supply / frequency	400 V / 50 Hz

Opening and closing controls

Manual (emergency)	Steel chain
Automatic	Up, stop, and down buttons on control box

Safety

Electrical safety edge	Light curtain up to 2500 mm
Inline photocells	Optional
Flashing alarm lights	Optional

Optional features

Interlock
Adjustable opening height
Traffic lights
Radio control
RAL colors
Key switch
Photocell
Induction loop detector



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