FAST SPIRAL
FAST-CLOSING ROLL DOOR WITH RIGID PANELS AND SPIRAL ROLL-UP TECHNOLOGY

LOGISTIC SOLUTIONS

KOPRON®

FAST-CLOSING ROLL DOOR WITH RIGID PANELS AND SPIRAL ROLL-UP TECHNOLOGY

An innovative closing system, produced by Kopron to meet the requirements of its customers.
The increased cost of energy and the need for a robust and safe high-speed door brought Kopron to design a door with improved structural characteristics and performance.
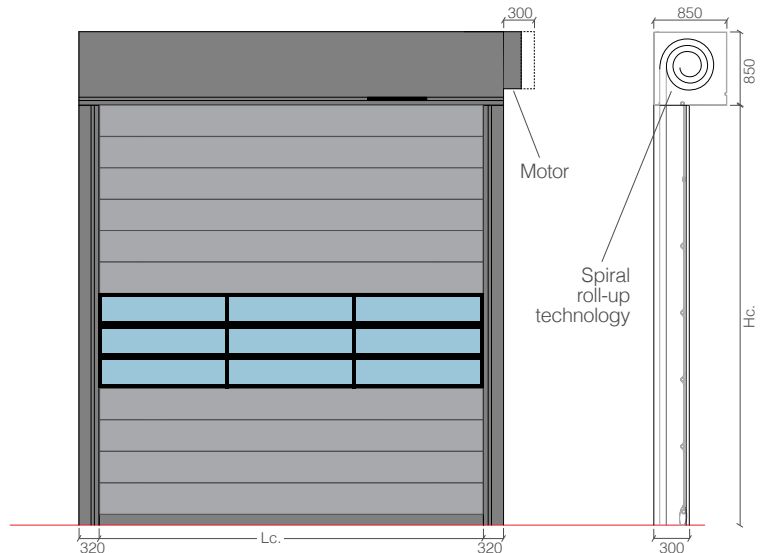
Made in Italy

TECHNICAL DETAILS

- Internal/external use
- Dimension width max. 6.500 mm height max. 6.000 mm
- Speed with FU control and Opening up to 2.5 m/s - Closing max. 0.5 m/s
- Emergency open/close system with a handle or with chain block (optional)
- Power supply 380 Volt. +N+E
- Wind resistance class 4 (proportional to the width)
- Soundproofing R = 22 dB

(We reserve the right to make modifications introducing technical improvements)

FAST SPIRAL: STRENGTHS

- All the benefits of fast doors but with a rigid insulated surface: thickness of 40 mm, which allows a greater thermal/acoustic insulation and safety.
- A motor with inverter technology, improves opening/closing speed, opening max. 2.5 m/s max. closing 0.5 m/s.
- Low noise and durability are guaranteed by the silent spiral wrapping of the door, where the parts do not touch each other.
- An industrial layout with an actractive design fits all kinds of contexts.
- Maximum safety and minimum maintenance thanks to the no-touch spiral roll-up technology.

FAST SPIRAL

Motor

Spiral roll-up technology

300 | 850 | 850 | Hc.

320 | Lc. | 320 | 300

Structure
- Galvanized steel sheet tracks duly shaped to allow easy sliding of the door.
- The Upper case is made of galvanized metal profiles properly assembled to host the spiral. Spiral shelves, motor shaft with kinematic chain, electronic control sensors and gearmotor fixing side plates.
- The covering case is in pre-painted steel sheet RAL 7016 (optional).

Shutter characteristics
- Safeline Type sections in insulating panels 40 mm thick, made of pre-painted steel sheet with CFC-free expanded polyurethane density 40kg/m3, with a thermal insulation of 1,95 W/m^{2}K.
- The micro ribbed outside finishing makes the door elegant besides being resistant to collision, the inside has an anti-scratch finishing.
- Special wind-proof side trolley allows a silent and fast door sliding.

Optional vision panels
- Upon request you can have vision panels made in aluminium profiles and sheets of transparent compact polycarbonate 4 mm thick.
- Windows are divided with aluminium profiles and quantity is according to the width of the door.

Characteristics of the motors
- Motoreducer for intensive use, with variable speed by inverter; it speeds up to 2,5m/s, max closing speed 0,6 m/s, directly coupled on the rolling shaft, consisting of a an electric motor, a reducer with permanently lubricated worm-screws and an emergency handle.
- Electronic limit switch by encoder, with digital setting directly on control panel.
- Control box with INVERTER, with programmable electronic technology: setting status on display, box cover with "up-stop-down" operating buttons, opening/closing speed settings with slow start and end limits for soft shutter movements, possibility of connection with all opening and safety systems, traffic lights, interconnections with other devices, automatic shutter closing, partial opening, malfunction check tests, cycle counter, with blocking device for assistance and maintenance.

Maximum safety, maintenance free and easy operation
- Multiray safety barrier 2.500mm high with sequential dimming.

Colours:
Dark colours are not recommended in environments continuously beated by sun or subject to strong thermal variations causing the deformation of panels.

Colours Standard:

White aluminium RAL 9006

Anthracite grey RAL 7016

Upon request

Rigid insulated exterior detail

Industrial joint

Safety barrier

Certifications:
Quality Management System
UNI EN ISO 9001 Certified
Factory Production Control
UNI EN 1090-1 Certified
Welding of Metallic Materials
UNI EN ISO 3834-2 Certified
Steel Processing Center N° 2533/13
Applicable Standard: UNI EN 13241-1

OPENING SYSTEMS

Open Door GSM: opening system by Kopron only a finger touch to open the door!
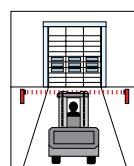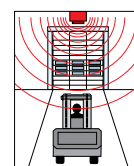
Opening/closing remote controller

K-hands Free the innovative opening system.

Control panel for operating accessories and safety devices

Adjustable infrared photocells (in couple).

Led flashers (from a distance of 500m) of exclusive Kopron design.

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