



HIGH-SPEED
DOORS



Spiral



The Ideal solution for



FOOD
INDUSTRY



LOGISTICS



AUTOMOTIVE
INDUSTRY



RETAIL



MANUFACTURING
INDUSTRY



GLAXTIC® Spiral

GLAXTIC® Spiral

GLAXTIC® Spiral, crafted from robust double-walled aluminium with polyurethane insulation, offers unparalleled strength and safety. Based on the Archimedean spiral principle, the door panels coil into a compact overhead guide rail without panel-to-panel contact — enabling frictionless, ultra-fast and whisper-quiet operation.

Designed for both indoor and outdoor applications, it excels in industrial plants, cold-chain warehouses, underground parking facilities, logistics hubs, and cargo terminals. Fully compliant with EN 13241-1 safety standards.



Features



High-Speed Aluminium Operation

Up to 2.5 m/s opening speed. A 4 m door opens in approximately 3 seconds.



Superior Wind Resistance

Meets national standard level 3 (relative deflection $< L/180$ under 0.5kp wind pressure)



Archimedean Spiral Guide Rail

CNC-precision Archimedean spiral coil — panels store compactly with zero panel-to-panel contact, minimising friction and noise at full speed.



Advanced Safety Systems

Wireless bottom safety airbag; photo eyes / light curtain; brake release handle for manual emergency operation; anti-fall shark-gill guide rail structure.



Multiple Opening Methods

Push button, pull rope, remote control, radar, induction loop, photocells, and geomagnetic vehicle detector support.



Energy Efficient

Aluminium insulated slats significantly reduce energy loss.



Technical Specifications

GLAXTIC®Spiral

Applications

Application:

Universal indoor and outdoor openings in industrial, storage, and commercial facilities

Dimensions

Maximum Size:

(W) 8,000 mm × (H) 9,000 mm

Structure (Frame)

Frame:

Standard- Galvanized steel (2mm Thickness)

Door Panels

Material:

Double-layer stretched aluminum plate with a thickness of 43/60/80mm filled with flame-retardant and insulation polyurethane and treated with high-pressure foaming inside

Operation

Opening Speed:

0.8m/s ~2.1m/s (Related to door size), adjustable

Drive System

Drive Type:

Servo Motor Precision Control:

- Supply Voltage: 220V 50Hz/ 380V 50Hz
- Power: 0.75 KW - 1.5 KW
- Safety class: IP55
- Final shaft position indicated by encoder

Control Box

Servo PLC Control:

- Stainless Steel housing
- Safety class: IP55

Wind & Weather

Wind Resistance:

Meets national standard level 3 (relative deflection<L/180 under 0.5kp wind pressure)

Water Tightness:

$\Delta P \geq 700\text{pa}$, reaching the national standard level 6

Safety & Life

Safety Features:

Photo eyes / Wireless safety airbag / Emergency opening

Run detection:

Running > 1000 times a day, with a total of over 1 million fault free runs

Opening Devices

● Push button

● Pull rope

● Remote control

● Induction loop

● Photocells

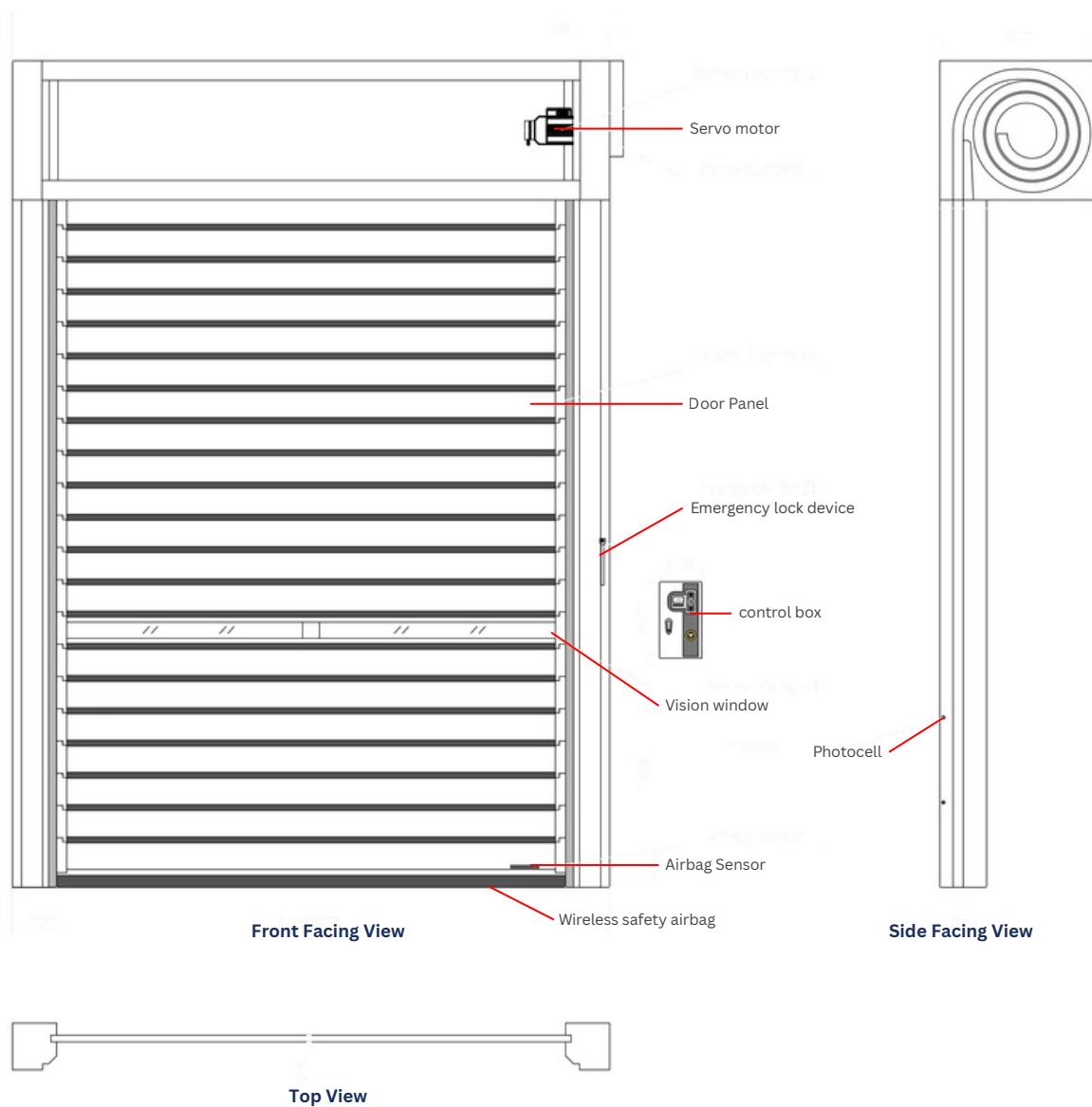
● Radar

● Bluetooth

● Geomagnetic



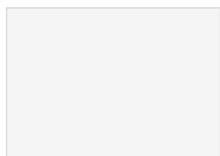
GLAXTIC® Spiral Standard Kit



Aluminium Panel Colour Options



RAL 9006
White Aluminium



RAL 9002
Grey White



RAL 5003
Sapphire Blue



RAL 3028
Pure Red



RAL 9005
Jet Black



RAL 7038
Agate Grey

Other colours available upon request.

*Colours shown are indicative. Final colour subject to supplier stock and may vary slightly from RAL references.