

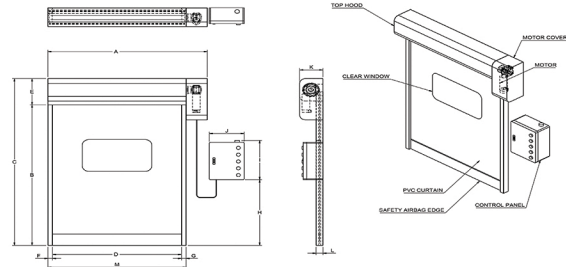
When performance matters, KINVAR delivers

PRODUCT OVERVIEW

KINVAR SP Series is a high-performance spiral rigid door engineered for external and heavy-duty industrial environments requiring structural strength, wind resistance, and thermal efficiency. The spiral lifting system ensures high-speed operation without panel contact, reducing wear and extending service life.



DIMENSION DIAGRAM



KEY FEATURES

- Rigid aluminum insulated panel construction
- High wind resistance up to Class 5
- Spiral lifting system with no panel contact
- High-performance servo motor system
- Thermal insulation for energy efficiency
- Suitable for external and heavy-duty applications
- Up to 1500 cycles per day

TECHNICAL SPECIFICATIONS

Parameter	Specification
Opening Size Range	2500 to 6000 mm
Standard Sizes	2500, 3000, 3500, 4000, 5000, 6000 mm
Opening Speed	0.8 to 1.5 m/s
Closing Speed	0.5 to 1.0 m/s
Wind Resistance	Class 3 to Class 5
Curtain	Aluminum insulated slats, 40 mm
Frame	Galvanized steel or aluminum, 2.5–3.0 mm
Motor	Servo motor, 0.75 to 2.2 kW
Drive System	Gear/chain or direct drive
Power Supply	220V or 380V
Control	PLC control panel
Safety	Photocell, safety edge, light curtain
Sealing	Soft connecting strip
Thermal Insulation	U-value 1.5–3.5 W/m ² K
Water Resistance	Level 2 ≥150 Pa
Duty Cycle	Up to 1500 cycles/day
Noise	<70 dB
Protection	IP54
Installation	Internal or external
Operating Life	1,500,000 cycles

COMPLIANCE AND STANDARDS

Standard	Description
CE	European conformity
EN 13241	Door safety
IEC	Electrical compliance

SERVICE AND MAINTENANCE

- Designed for low maintenance operation
- Modular components for quick replacement
- Remote troubleshooting capability (optional)
- Recommended periodic inspection every 6 months

WARRANTY AND SUPPORT

- Designed for low maintenance operation
- Modular components for quick replacement
- Remote troubleshooting capability (optional)
- Recommended periodic inspection every 6 months

APPLICATION AREAS

Sector	Use Case
Logistics	External loading bays
Manufacturing	High-traffic external access
Automotive	Heavy-duty operations
Industrial	High wind installations
Warehousing	Secure openings

WINDOW OPTIONS

Window Type	Size Options	Description
Rectangular	300 × 600 mm	Panel window
Full section	Custom width	Transparent slat section
Glazed panel	Custom	Polycarbonate insert

OPTIONS AND ACCESSORIES

Category	Options
Control	Push button, remote, radar, loop
Safety	Light curtain, extra photocell
Curtain	Vision slats, reinforced slats
Frame	Aluminum/stainless
Automation	Interlock, PLC, BMS
Power	UPS backup

AVAILABLE COLORS (RAL STANDARD)

Silver	Natural
Grey	7035
Custom	Any RAL

COLOR CHAT



INSTALLATION REQUIREMENTS

Parameter	Requirement
Mounting	Internal or external
Headroom	700 mm
Side clearance	350 mm
Power	Dedicated supply

Designed for high reliability under continuous industrial use. Optimized for performance and operational efficiency. System architecture supports future upgrades. Reliability under pressure. Safety is integrated into design. Support is part of the system. Systems prove value in operation.