

# KONE ROLL HIGH-SPEED DOOR

For safe, reliable goods flow inside your building

KONE Roll is a highly efficient, compact roll-door solution that is suitable for a wide range of indoor applications. It offers smooth, quiet operation and helps prevent dirt, dust, and noise transfer between internal areas, as well as heating or cooling losses.

## FLEXIBLE, QUIET, AND ECO-EFFICIENT

The compact design of KONE Roll makes it suitable for almost any internal application, from supermarket warehouses to positive cold rooms. As well as being highly energy efficient, our advanced motor technology ensures quick, quiet opening and closing. The durable curtain with its flexible bottom edge forms a close seal with the ground, even on rough surfaces, minimizing dust and dirt contamination as well as heating or cooling losses.

## MAXIMUM SAFETY

KONE Roll includes an anti-crash breakaway curtain with automatic reinsertion for maximum safety and minimum downtime. To prevent personal injury or damage to vehicles, in the event of a collision the curtain breaks away from the flexible guides, and reinserts automatically for a quick return to normal operation.

STANDARDS COMPLIANCE		
	STANDARD	RESULT
Wind load	EN 12424	Class 0
Wind permeability	EN 12426	PND
Water permeability	EN 12425	PND
Thermal resistance	EN 12428	5.7
Mechanical resistance	EN 12604	Conformed
Safe openings	EN 12453	1 million

## KEY BENEFITS

- Flexible solution for a wide range of internal applications
- Excellent noise, dirt, dust, and heating or cooling loss protection
- Anti-crash breakaway curtain with automatic reinsertion
- Soft PVC bottom edge ensures tight seal with floor for maximum insulation
- Self-supporting galvanized steel frame with polyester powder-coated finish
- EN 13241-1 compliant



TECHNICAL SPECIFICATIONS		OPTIONAL FEATURES
Application	Internal door	Interlock
Max. dimensions (H x W)	4000 x 4000 mm	Adjustable opening height
Max. door area (H x W)	4456 x 4350 mm	Semi-automatic mode
Opening/closing speed	Opening speed 1 m/s standard, 2m/s optional (adjustable with frequency converter); closing speed 0.5 m/s	Full manual mode
Operating temperature	+1 to +70 °C	Red traffic-light system
Motor	Dual-speed 0.75–1.1 kW	Audible alarm
Control unit	Independent from motor or integrated	Power-failure release: hand crank and Uninterruptible Power Supply (UPS)
Power supply frequency	3-phase 240 V or 400 V with ground	Stainless-steel control box
Protection class	IP55, optional IP65 protection available	ATEX compliance
<b>BODY STRUCTURE (FRAME)</b>		Double-skin curtain
Side frames and cover	Galvanized, powder-coated, or stainless steel	Company logo or images on curtain
Top roll		
Top roll cover		
Motor cover		
<b>CURTAIN</b>		
Material	100% PVC-coated polyester	
Bottom profile	Soft PVC bottom edge	
Colors	See Curtain color options to the right	
Tracking system	Roll-up	
Thermal insulation	5 watts/m2/°C	
Flammability	Class C (EN 13501-1)	
Seals	Airtight seals between curtain, frame, and hood; airtight seals between frame and opening structure	
<b>OPENING AND CLOSING CONTROLS</b>		
Manual	Push-button, pull-cord switch, 3-button control box	
Automatic	Induction-loop detector, hand-held radio, radar, photocells	
<b>SAFETY</b>		
Electrical safety edge	2 vertical rows of photocells or safety bottom edge	
Safety photocells	1 horizontal and 2 vertical rows	
Flashing alarm light	Included as standard	
Breakaway	Anti-crash breakaway with automatic reinsertion	

### CURTAIN COLOR OPTIONS (RAL)



### VISIBILITY OPTIONS

