

KONE Fold Chill high-speed door

FOR SMOOTH, EFFICIENT GOODS FLOW IN COLD-STORAGE ENVIRONMENTS

KONE Fold Chill is a durable, energy-efficient folding door solution for commercial cold-storage and freezer applications. Its fast, reliable operation enables significant energy savings by reducing cooling losses and draughts, while the built-in heating system prevents ice formation even during intensive cooling.

Versatile and eco-efficient

With an operating temperature range of +5 to -30°C, KONE Fold Chill is suitable for a wide range of commercial applications, including industrial freezer areas and chilled food-storage facilities. Our eco-efficient motor ensures that the door opens and closes quickly, which, combined with the airtight seals around the entire door, prevents cold losses and temperature fluctuations and can contribute to a significant reduction in energy costs.

Durable and hygienic

The non-stick fabric curtain complies with all applicable hygiene standards for food cold-chain applications and includes a built-in heating system that prevents frost and ice from forming on the door. This ensures reliable performance regardless of the operating temperature, even in environments where intensive cooling is required.

Key benefits

- Excellent cold-loss protection with insulated curtain technology
- Built-in heating system prevents frost and ice formation
- Soft PVC bottom-edge ensures tight seal with floor for maximum insulation
- Curtain safety-strap system prevents accidental closing
- Self-supporting galvanized steel frame with polyester powder-coated finish
- EN 13241-1 compliant

Standards compliance

	Standard	Result
Wind load	EN 12424	Class 2
Wind permeability	EN 12426	PND
Water permeability	EN 12425	PND
Thermal resistance	EN 12428	2.7
Pressure resistance		Class 2
Mechanical resistance	EN 12604	Conformed
Safe openings	EN 12453	1 million



Product info

Technical specifications

Application	Internal door
Max. dimensions (H x W)	4000 x 4000 mm
Max. door area (H x W)	4470 x 4800 mm
Opening/closing speed	opening speed 0.5–1.0 m/s standard, 1.5 m/s optional (adjustable with frequency converter); closing speed 0.5 m/s
Operating temperature	-30 to +5 °C

Body structure (frame)

Side frames and cover	powder-coated or stainless steel
Top roll	powder-coated or stainless steel
Top roll cover	powder-coated or stainless steel
Motor cover	powder-coated or stainless steel

Curtain

Material	100% PVC-coated polyester, insulated
Bottom profile	soft PVC bottom edge
Colors	see Curtain color options on the right
Tracking system	fold-up
Thermal insulation	2 watts/m ² /°C
Draft/pressure resistance	Class 2: resistant to pressure differential across curtain
Seals	airtight seals between curtain, frame, and hood; airtight seals between frame and opening structure

Motor	dual-speed 0.75-1.1 kW
Control unit	independent from motor
Power supply frequency	3-phase 240 or 400 V with ground and neutral
Protection class	IP55, optional IP65 protection available

Opening and closing controls

Manual	push-button, pull-cord switch, 3-button control box
Automatic	induction-loop detector, hand-help radio, radar, photocells

Safety

Inline photocells	2 horizontal rows
Safety photocells	2 horizontal rows
Flashing alarm light	included as standard
Fall-down protection	safety straps

Optional features

Interlock
Adjustable opening height
Semi-automatic mode
Full manual mode
Red traffic-light system
Audible alarm
Power-failure release: hand crank & UPS battery back-up system
Stainless-steel control box
Company logo on curtain

Curtain color options (RAL)

		
9016	5015	1003
		
3002	6026	5002
		
1015	7038	9005

Visibility options

