



# Flexible Door solutions for every building

KONE automatic Sliding Doors

[www.kone.com](http://www.kone.com)

Dedicated to  
People Flow™

# Why choose KONE Sliding Doors?

KONE Sliding Doors provide smooth people flow in a wide variety of building types, from offices to retail environments and transit centers. Our offering includes solutions for both building entrances and interior spaces

KONE understands the people flow needs of different building types, customers and end-users and offers a complete range of integrated people flow solutions: building doors, turnstiles, elevators and escalators

By being continuously present in the building through comprehensive service, we know how the whole building is used during its life cycle



## Key features

### 01 Safety

- Compliant with all relevant European standards (e.g. BS and EN 16005)
- Multiple safety features to protect end users

### 02 Reliability

- Designed and manufactured in Europe according to the latest quality standards
- Designed, tested, and supplied as complete systems

### 03 Design

- Flexible design with a wide range of visual options
- Customizable
- Space-efficient options

### 04 Sustainability

- Optional smart technology available to reduce energy consumption
- Special door types to reduce carbon footprint
- Energy efficient operator

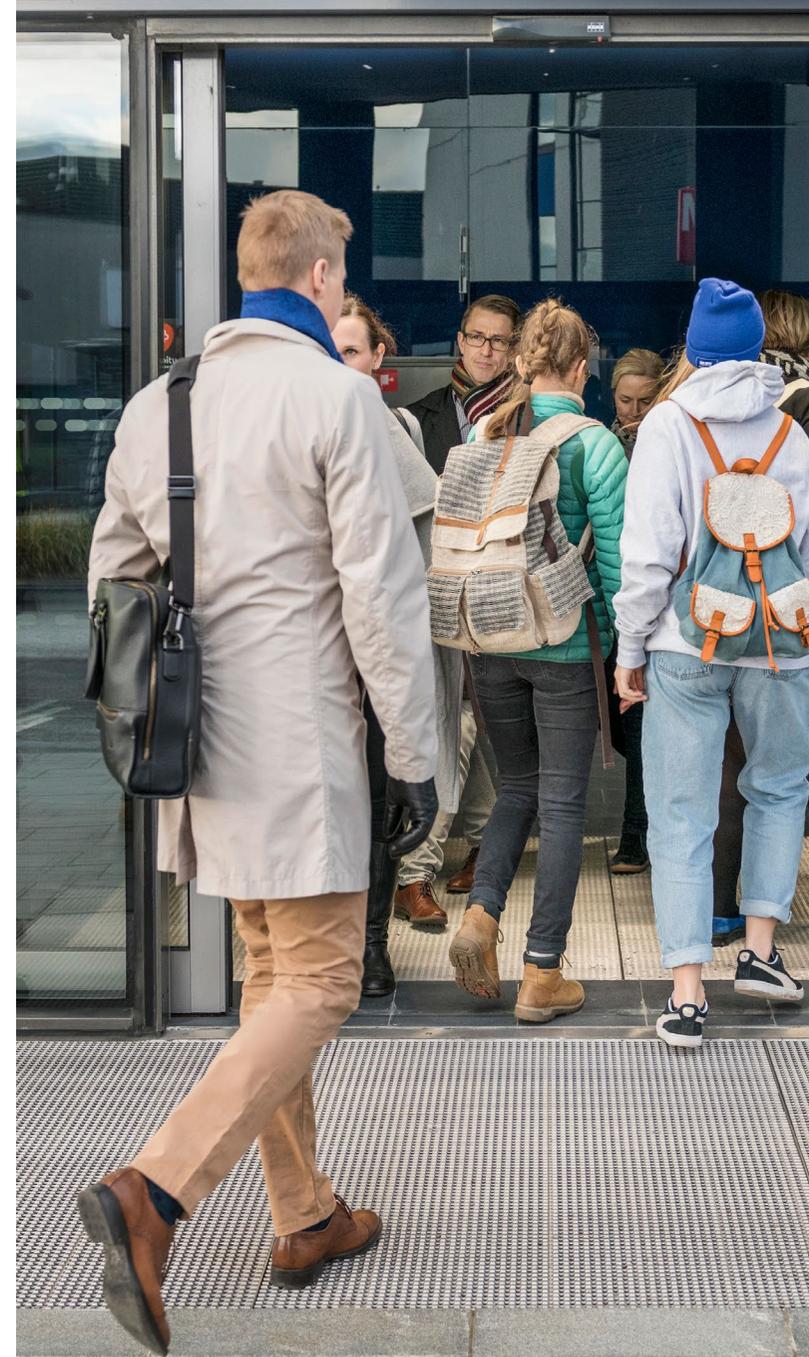
### 05 Connectivity

- Future prepared for connectivity



## KONE Sliding Doors

Offering	Characteristics	KONE doors	Type
Traditional	<ul style="list-style-type: none"> <li>Suitable for the majority of external and internal building spaces</li> </ul>	KONE Sliding Door (SD30)	Single sliding Double sliding Single telescopic Double telescopic
Insulated	<ul style="list-style-type: none"> <li>For building entrances with medium to high traffic levels where the focus is on energy savings and security</li> <li>Robust profiles</li> <li>Durable aluminum construction and high thermal insulation</li> <li>Various glazing options to meet the required U-value</li> </ul>	KONE Insulated Sliding Door (SD50 and SD52)	Single sliding Double sliding Single telescopic (SD50 only) Double telescopic (SD50 only)
Escape route and emergency exits	<ul style="list-style-type: none"> <li>Escape and emergency function, with or without break-out option to meet European regulations including TuV certification</li> <li>Power operated sliding door without break out function, opens automatically and stays open, after main power is switched off</li> <li>Break out system whereby doorset leaves and side screens can be pushed open manually in the direction of escape</li> </ul>	KONE Escape or Emergency exit Sliding Door (SD30E, SD50E, and SD60)	Single sliding Double sliding Single telescopic (SD50E only) Double telescopic (SD50E only)
Vandal Resistant	<ul style="list-style-type: none"> <li>Strong profile system with glued glass</li> <li>4 x pin locking systems on profiles</li> <li>Up to RC3 class vandal resistance (EN 1627) available for traditional or insulated doors</li> </ul>	KONE Vandal Resistant Sliding Door (SD50V)	Single sliding Double sliding
Glass	<ul style="list-style-type: none"> <li>Frameless</li> <li>Glass leaf has square, straight brush sealing on all sides</li> <li>No bottom profile needed</li> <li>Maximum glass surface for a premium appearance</li> <li>Available with stainless steel (SD100) and traditional steel (SD95) brackets</li> </ul>	KONE Full Glass Steel Sliding Door (SD95)  KONE Full Glass Stainless Steel Sliding Door (SD100)	Single sliding Double sliding
Folding	<ul style="list-style-type: none"> <li>Intelligent fail-safe system ensures safe and reliable opening</li> <li>Complies with DIN18650-1 (Cat. 4 according to EN 954 and SIL3 according to IEC 61508)</li> <li>Robust profiles</li> <li>Durable aluminum construction and high thermal insulation</li> <li>Various glazing options to meet the required U-value</li> </ul>	KONE Traditional Folding door	Single leaf folding Double leaf folding





## Features

- Choice of profile systems - frameless full glass, traditional aluminum, profiles or thermal insulated profiles.
- Choice of door types - single, double, telescopic, or folding
- Choice of sizes - 1, 2, or 4-leaf doors
- Wide variety of safety features, including manual switches, motion sensors, safety screen, and access control integration

## Quality and service

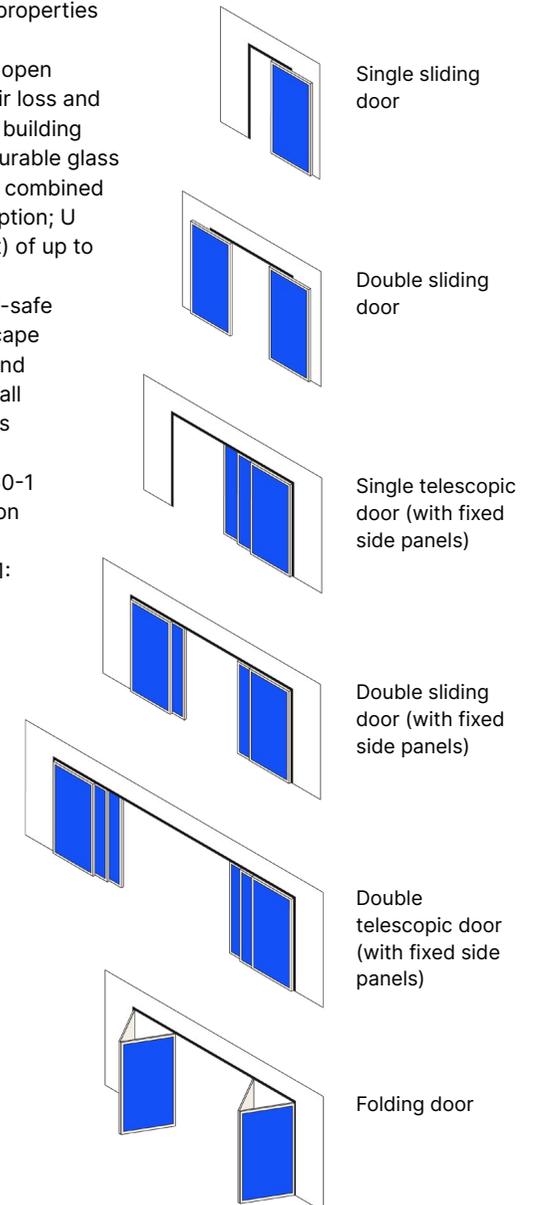
KONE Sliding Doors are built from high-quality materials and developed based on decades of experience. They comply with the latest European norms and regulations and have been tested by prominent European institutes such as TÜV.

KONE also offers comprehensive maintenance services for doors. In the event of a component failure spare parts are typically dispatched within 24 hours, and the KONE Customer Care Center is available 24/7 to support you with any door maintenance and repair needs.

## Door options

- Vandal resistant: protect your properties against burglary or vandalism
- Energy saving: half or partially open option reduces warm or cold air loss and temperature oscillations in the building
- Insulated: robust profile with durable glass for weather conditions; can be combined with half or partially opening option; U value (heat transfer coefficient) of up to 1.0 W/(m<sup>2</sup> K)
- Escape route: an intelligent fail-safe system for emergency and escape route doors ensures the safe and reliable opening of the door in all circumstances. This door fulfills the demands for escape route doors as described in DIN18650-1 (Operator is tested for 1,5 million cycles) with a performance level\* according to EN 13849-1:
  - Performance level C: Traditional Sliding Door
  - Performance level D: Escape route door

\* A measure of the reliability of a safety function, determined as an average probability of a dangerous failure per hour:  
 Performance level C: > 10<sup>-6</sup> to < 3.0 \*10<sup>-6</sup>  
 Performance level D: > 10<sup>-7</sup> to < 10<sup>-6</sup>





## Operating modes

- Manually operated activators (push buttons and switches)
- Motion detectors
- Safety sensors
- Entrance control system
- Electronic program switch

## Program switch functions

- Automatic, one way, open & close
- Reduced opening width / winter mode
- Maintenance need can be seen from operator info panel
- Program switch with code to lock the program switch to prevent unauthorized use (optional)

## Locking and back-up (options)

- Electronic lock activated by the program switch
  - Emergency close, Emergency open, Emergency operation
- Mechanical lock; hook or floor lock with key use in door leaf (optional)
- Electromechanical lock; Multipoint-lock, or rod-lock (optional)

## Safety features

- Electronic safety reverse (highly sensitive reverse settings in both open and close directions)
- Finger trap safety (adjustable to avoid accidental finger trap), IXIO safety sensors above door opening, control unit tests during every door cycle)
- Door speed safety (automatically adjusted based on door weight and resistance)
- Power failure (all settings are stored in case of power failure)
- Mechanical safety screen or Safety sensor on the canopy (optional, prevents people or objects from being struck by a moving door leaf)

## Fire alarm functions (optional)

- Fire function open.
- Fire function: door closes and is locked (if lock is installed).
- Fire function with: CO48 and Redundant.

# KONE Sliding Door profiles

KONE offers six Door system types to suit your building design:

- Traditional
- Insulated
- Escape route and emergency exits
- Vandal Resistant
- Glass
- Folding

The design of the door systems provides an aesthetically pleasing view of the door and fixed side panel(-s). The traditional profile can adapt various single layer glass 8, 10, or 12 mm. It is also suitable for insulated glass, gas or air filled package with a thickness of 22 mm.

The Insulated profile is ideal for building entrance doors and can adapt double or triple glassing between 28 and 50 mm of thickness.

The full-glass door is a stylish, frameless solution.

In addition to our own profile systems we can also supply doors with various types of aluminum profiles as well as glass, steel, wood, and fire-resistant materials.

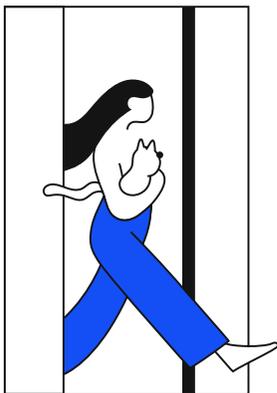


# Traditional Sliding Door

The KONE Sliding Door 30 is suitable for most external and internal building spaces. Different profile systems allow diverse applications in many buildings.

## Key benefits of traditional Sliding Doors

- Comply with standards regarding safety and durability
- Suitable for many different types of buildings
- Equipped with an intelligent control system that is easily adjusted for many different environments
- Space efficient
- Wide range of safety features
- Produced from durable materials, ensuring reliable operation even in demanding environments
- Flexible design with wide range of visual options
- Customizable for each individual building



Features		
Door model	Sliding Door 30, Sliding Door 30P Sliding Door 30L, Sliding Door 30LP Sliding Door 30T, Sliding Door 30TP Sliding Door 30E, Sliding Door 30EP Sliding Door 30 ET, Sliding Door 30 ETP	
Door type	Single sliding, Double sliding Single telescopic, Double telescopic	
Drive system	Powered by KONE UniDrive®	
Profile system	Traditional	
Material	Aluminum	
Glass	Toughened glass	
Glass variants	Single: 8, 10, 12	
	Double layer, air or gas filled: 3-16-3 (glass-air-glass), 22 mm	
Profile width	Vertical: 35 - Top: 47 - Bottom: 47	
Profile thickness	30	
Opening height	2100 - 3000	
Operator dimensions	(height x length x depth)	
	• Single sliding	100 or 150 x (2xFOW+50) x 180
	• Double sliding	100 or 150 x (2xFOW+100) x 180
	• Single telescopic	100 or 150 x (1,5xFOW+125) x 180
	• Double telescopic	100 or 150 x (1,5xFOW+125) x 180
Clear opening	Standard	Escape route without break out function
	• Single sliding	700 - 3000
	• Double sliding	800 - 3000
	• Single telescopic	800 - 2400
	• Double telescopic	1400 - 4000

### NOTE:

E Escape/Emergency Exit (no break out function)

L Limited functionalities

P Powerful operator

T Telescopic

FOW Free opening width

All values are in mm.

# Insulated Sliding Door

The KONE Sliding Door 50 and 52 are insulated automatic sliding doors designed for building entrances with medium to high traffic levels. It is ideal for ensuring smooth people flow in busy environments.

## A Sliding Door for all seasons

The KONE Sliding Door 50 and 52 are suitable for public and commercial buildings where reliability, security, convenience, energy efficiency, and image are important factors.

The door has been tested and certified by SKG-IKOB according to European standards\*.

- Low air permeability → Class PPD0 (< 150 Pa)
- High watertightness → Class 3A (100 Pa)
- High wind resistance → PDD 500 (500 Pa)
- Optional burglar resistance → Class RC2 or RC3

Thanks to its highly effective insulation, the KONE insulated Sliding Door can achieve a U-value\*\* as low as 1.0 W/m<sup>2</sup>K.

\* Air permeability: EN 12207, EN 16361  
 Watertightness: EN 12208, EN 16361  
 Resistance to wind: EN 12210, EN 16361  
 Burglar resistance: EN 1627

\*\* U-value is a measurement of heat transfer through a building material. The lower the value, the more energy efficient the building component is.

## 01

Robust Insulated (thermally broken) profiles with multi-layered glass with argon filling

## 02

Thermal break to minimize thermal flow through door profiles

## 03

Seamless closing with rubber/gaskets at the closing edge and brushes around the door to protect against draft

## Features

Door model	Sliding Door 50, Sliding Door 50P, Sliding Door 50T, Sliding Door 50TP, Sliding Door 50E, Sliding Door 50EP, Sliding Door 50ET, Sliding Door 50ETP Sliding Door 52, Sliding Door 52P, Sliding Door 52E, Sliding Door 52EP, Sliding Door 52VP-RC2, Sliding Door 52VP-RC3, Sliding Door 52EVP-RC2, Sliding Door 52EVP-RC3	
Door type	Single sliding, Double sliding Single telescopic, Double telescopic	
Drive system	Powered by KONE UniDrive®	
Profile system	Insulated (Thermally broken)	
Material	Aluminum with thermal break	
Glass	Toughened glass with gas filling	
Glass variants	Double insulating glass ISO 34 with thermal black warm edge spacer Triple insulating glass ISO 50 with thermal black warm edge spacer Special glass For protection class RC2: P4A glass For protection class RC3: P5A glass	
	Double layer, air or gas filled: 3-16-3 (glass-air-glass), 22 mm	
Profile width	Vertical: 48 - Top: 50 - Bottom: 67	
Profile thickness	50	
Opening height	2050 - 3100	
Operator dimensions	(height x length x depth)	
	<ul style="list-style-type: none"> <li>• Single sliding 100 or 150 x (2xFOW+50) x 180</li> <li>• Double sliding 100 or 150 x (2xFOW+100) x 180</li> <li>• Single telescopic 100 or 150 x (1,5xFOW+125) x 180</li> <li>• Double telescopic 100 or 150 x (1,5xFOW+125) x 180</li> </ul>	
Clear opening	Without escape route	Escape route w/o break out function
	<ul style="list-style-type: none"> <li>• Single sliding 700 - 3000</li> <li>• Double sliding 800 - 3000</li> <li>• Single telescopic 1400 - 2400**</li> <li>• Double telescopic 2000 - 3000**</li> </ul>	900 - 3000
Clear opening height	2050 - 3100	
U-value	Up to 1.0 W/m <sup>2</sup> .K	

### NOTE:

E Escape/Emergency Exit (no break out function)  
 L Limited functionalities  
 P Powerful operator  
 T Telescopic  
 FOW Free opening width

All values are in mm.

\*\* Only possible with UniDrive® 20, different profile & glass types, resulting in a U-value of up to 1,4 W/m<sup>2</sup>.K

# Special Sliding Doors

KONE offers escape route doors with or without mechanical break out function, as well as vandal resistant doors up to RC3 level. The escape route function ensures that doors open safely and reliably in all circumstances. The escape route without break out function fulfills the requirements for escape-route doors as set out in the DIN 18650-1 standard.

## Vandal Resistant

Our Vandal Resistant doors can be delivered with a RC2 or RC3 class.

The models 52V or 52EV with RC2 class can be delivered without an in floor guide, which makes the entrance better accessible and reduces the need for maintenance.

This option is applicable for single doors up to a width of 1100 mm and for double doors up to a width of 1900 mm.

## Insulated

All these door types can be delivered with traditional profiles or thermal insulated profiles with a U-value up to 1.0 W/m<sup>2</sup>.K

Features	KONE Sliding Door (Mechanical break-out)	KONE Sliding Door 52V (Vandal Resistant) and 52EV (Vandal Resistant & Escape route without break out function)	
Door model	Sliding Door 60, Sliding Door 60P Sliding Door 60G, Sliding Door 60GP	Sliding Door 52V, Sliding Door 52VP Sliding Door 52EV, Sliding Door 52EVP	
Door type	Single sliding Double sliding	Single sliding Double sliding	
Drive system	Powered by KONE UniDrive®	Powered by KONE UniDrive®	
Purpose	Escape route with mechanical break out	Vandal resistant door with or without Escape route function	
Profile system	Traditional (60) or Insulated (60G)	Insulated	
Profile Material	Aluminum (60G is with Thermal break)	Aluminum	
Glass	Toughened	Toughened	
Glass variants	Single 8, 10, 12 Double 3-16-3 or 5-18-5 For 60G, see glass option of the insulated Sliding Door	Triple layer safety glass. In compliance with EN356, P4A for RC2 and P5A for RC3	
Profile width	Vertical: 35 / 48 Top: 47 / 50 Bottom: 47 / 67 Profile thickness: 30 / 50	Vertical: 8 Top: 50 Bottom: 7	
Opening height	2000 - 2500	2050 - 3100	
Operator dimensions	<ul style="list-style-type: none"> <li>• Single sliding 200 x (2xFOW+260) x 180</li> <li>• Double sliding 200 x (2xFOW+210) x 180</li> </ul>	Max: 150 x (2xFOW+33) x 180 Max: 150 x (2xFOW+7) x 180	
Clear opening		SD 50V(P)	SD 50EV(P)
<ul style="list-style-type: none"> <li>• Single sliding 1000-2500</li> <li>• Double sliding 1000-2500</li> </ul>		700 - 3000	700 - 3000
		800 - 3000	800 - 3000
U-value	Up to 1.0 W/m <sup>2</sup> .K (only applicable for 60G)	Up to 1.0 W/m <sup>2</sup> .K	

### NOTE:

E Escape/Emergency Exit (no break out function)  
 L Limited functionalities  
 P Powerful operator  
 T Telescopic  
 FOW Free opening width  
 All values are in mm.



# Full-glass Sliding Door

The KONE Sliding Door 95 and Sliding Door 100 provide maximum transparency for a sleek, stylish full-glass look.

## KONE Sliding Door 95

Automatic sliding doors with glass hangers by using slender brackets by connecting the glass leaves to the mechanism without using any profile. Glass leaves are made of 10mm tempered safety glass with smooth rounded edges. It is possible to manufacture single or double leaf applications with or without Fixed side panels. Single-leaf frameless automatic sliding door systems have a minimum passage width of 700 mm\* and a maximum passage width of 1600 mm. In the case of double-leaf frames, the minimum passage width is 800 mm\*, while the maximum passage width is 2000 mm.

## KONE Sliding Door 100

Automatic full glass frameless sliding door, is based on the principle of hanging the glass leaves with stainless steel holders screwed into the holes drilled on the glass leaf. Since maximum glass appearance is often desired, no profiles are used.

Single-leaf frameless automatic sliding door systems have a minimum passage width of 700 mm and a maximum passage width of 1600 mm. In the case of double-leaf frames, the minimum passage width can be 800 mm\* – the maximum passage width can be 2000 mm.



### Features

Door model	Sliding Door 95, Sliding Door 95P Sliding Door 95E, Sliding Door 95EP Sliding Door 100, Sliding Door 100P Sliding Door 100E, Sliding Door 100EP
Door type	Single sliding Double sliding
Drive system	Powered by KONE UniDrive®
Bracket system	Stainless steel (SD100) Powder-coated steel (SD95)
Glass	Toughened safety glass Special glass
Glass variants	10
Profiles	Frameless
Opening height	2100 - 2500
Operator dimensions	(height x length x depth)
• Single sliding	100 x (2xFOW+70) x 180
• Double sliding	100 x (2xFOW+140) x 180
Clear opening	
• Single sliding	700-1600
• Double sliding	800-2000
Max. door weight (kg)	
• Single sliding	1×100
• Double sliding	2×100

#### NOTE:

E Escape/Emergency Exit (no break out function)

L Limited functionalities

P Powerful operator

T Telescopic

FOW Free opening width

All values are in mm.

\* 900 mm with KONE UniDrive® 23 redundant

# Folding Door

The KONE Folding Door 50 and 50E blends swinging and sliding door technology. The door's unique folding feature provides a much larger opening than traditional sliding doors and dramatically reduces sweep when compared to traditional swing doors.

## Maximize Natural Light

Folding doors allow the maximum levels of light to enter buildings. Because of their solid construction and ease of use, folding sliding doors are ideal for both interior and exterior applications.



## Save space and energy

The smart folding movement can create a wide opening in even the most compact of entrances, making automatic folding doors an ideal solution for tight spaces. The door leaf profiles of the folding door allow maximum visibility without compromising strength and offer a highly modern look and feel, while the insulated profiles supports the reduction of energy losses.

## Increase safety and security

Folding doors do not interfere with access. Their low threshold improves accessibility for wheelchair users and others with restricted mobility, making them ideal for hallways in offices, public buildings, and medical facilities. Dual-drive technology ensures emergency access in any situation. The system self-monitors to ensure reliable opening and closing at all times.

## Robust, silent, and wind-resistant

The operator transmits its power without toothed belts for significant gains in dynamic response and silent efficiency. This ensures that the door opens and closes quickly, quietly, and with minimal wear. The operating parameters are dynamically modified according to requirements in order to adapt closing behavior to the prevailing weather situation.

## Flexible

Folding doors offer more flexibility than other types of door, allowing you to fully open up a wall or open the doors to any width within the limits of the frame.

Features		
Door model	Folding door 50 Folding door 50E	
Door type	Single sliding Double sliding	
Drive system	Powered by KONE UniDrive®	
Profile system	Insulated (thermally broken profiles)	
Material	Aluminum	
Glass	Laminated and toughened	
Glass variants	2x8 with 15 mm air gap	
Vertical profile width	Middle 103 - hinge 108 - side 135	
Top profile width	62	
Bottom profile width	60	
Profile thickness	37	
Opening height	2100-2500	
Rated power	250 W	
Operator dimension	(height x length x depth)	
• Single sliding	155 x (FOW+190) x 218	
• Double sliding	155 x (FOW+280) x 218	
Clear opening	FD50	FD50E
• Single sliding	840-1240	900 - 1240
• Double sliding	980-2480	980 - 2480

NOTE:

E Escape/Emergency Exit (no break out function)

FOW Free opening width

All values are in mm.



## KONE Corporation

### **Corporate offices**

Keilasatama 3  
P.O. Box 7  
Espoo, 02150  
Finland

Tel.: +358 (0)204 75 1  
Fax: +358 (0)204 75 4496

Business Identity Code: 1927400-1

### **KONE Corporation**

[www.kone.com](http://www.kone.com)  
[contact@kone.com](mailto:contact@kone.com)

### **Publication**

Hanna Rutanen  
Head of Communications

### **Economic performance**

Natalia Valtasaari  
Head of Investor Relations

### **Environmental performance**

Hanna Uusitalo  
Environmental Director

### **Personnel and social performance**

Susanne Skippari  
Executive Vice President, Human Resources

This publication is for general informational purposes only and we reserve the right at any time to alter the product design and specifications. No statement in this publication shall be construed as a warranty or condition, express or implied, as to any product or service, its fitness for any particular purpose, merchantability, quality or representation of the terms of any purchase agreement. KONE MonoSpace®, KONE MiniSpace™, KONE TranSys™, KONE EcoDisc®, KONE Care™, KONE People Flow®, KONE UltraRope® and KONE TransitMaster™ are registered or other trademarks of KONE Corporation. Copyright © 2022 KONE Corporation.

[www.kone.com](http://www.kone.com)

**Dedicated to  
People Flow™**