

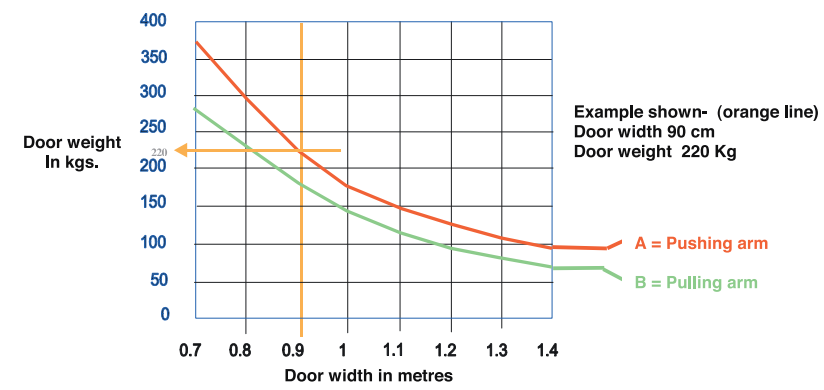


The heart of your building™



## KONE UniSwing - Automatic Swing Door

### UniSwing Technical Data

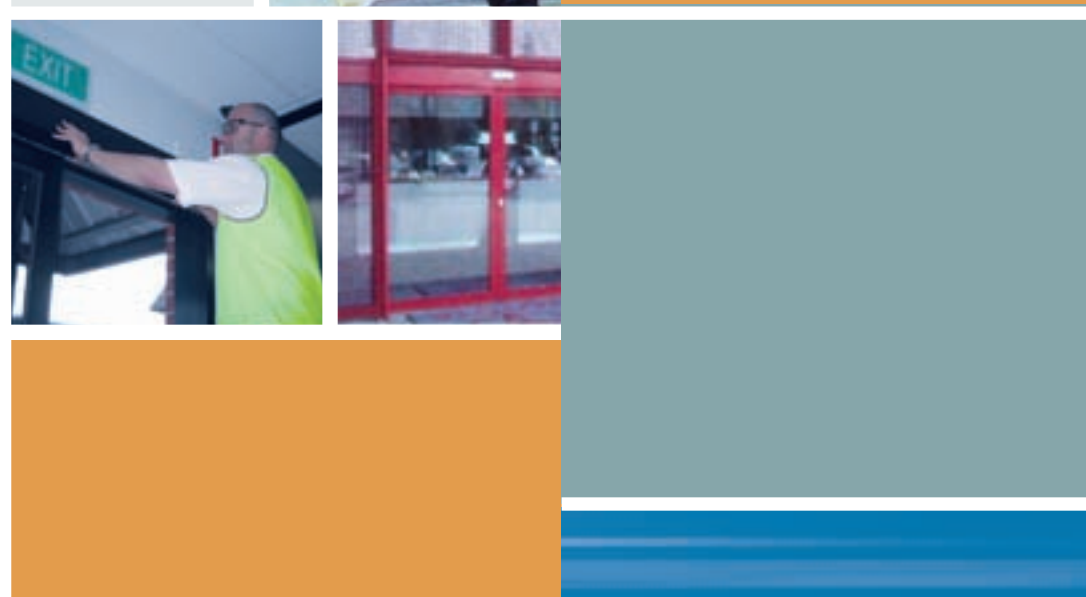


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KEA-0107

## KONE UniSwing

### Functional

- Automatic full width and partial opening
- Full width hold open
- One way entry or exit
- Doors closed, or closed and locked.
- Push and Go function
- Low energy function
- Sequential operation between two operators.

### Quiet

- **The drive unit** – A high quality, low noise motor incorporating a belt drive gear reduction assembly and control unit has been designed to smoothly accelerate and decelerate the doors.
- Two arm types are available to either push or pull the door to the open position.

### Safe and Secure

- Adjustable obstacle detection - safety reverse on closing and safety stop or stop and reverse on opening
- Adjustable opening and closing force
- Dedicated safety inputs allow the use of various safety devices
- Two “swing area safety” inputs are standard
- In an emergency the UniSwing operates as a normal spring closer
- Warning and malfunction indication displayed visually via the program switch and audibly via an on-board piezo sounder
- Complies with all current Australian Standards and Codes
- Two freely programmable inputs and one freely programmable output as standard.

### Reliable

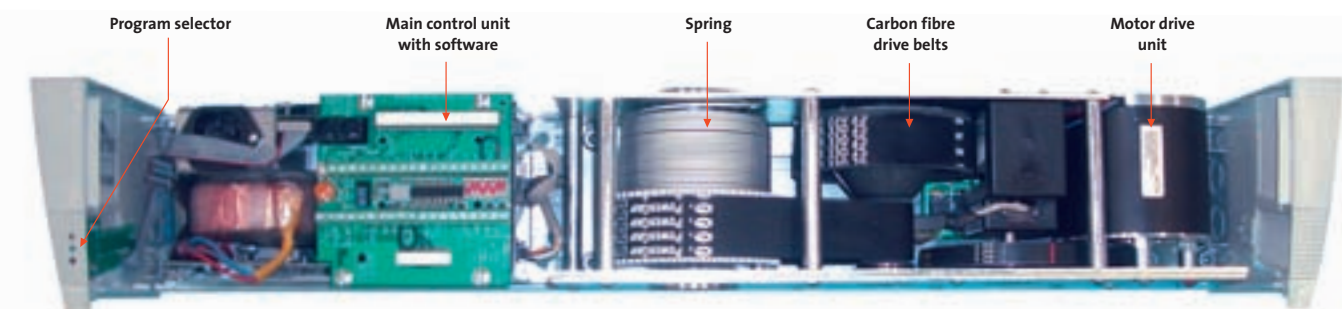
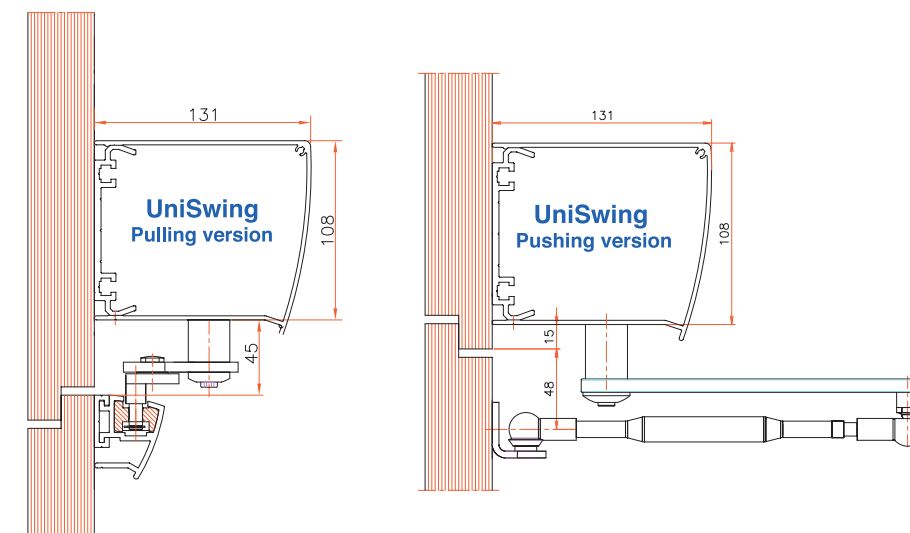
- UniSwing is manufactured under ISO 9001:2000 certification, has TÜV approval and meets international quality and safety requirements (CE standards).
- Tested on continuous operation at +50°C and -15°C with door weights of up to 370kgs.

### Versatile

- Microwave/infra red sensors, push buttons, radio controls, card swipe.
- Automatic closing or pulse to open/close
- Interfaces with access control and fire evacuation systems
- “Master-slave” (simultaneous or following) operation for use on double doors
- Low energy operation for disabled access
- Adjustable lock delay. 24V DC lock output (800mA) programmable for use with all lock types...powerless locking, powerless unlocking, magnetic locks.
- Sequential function allows two UniSwings to operate as an airlock
- “Intercom” input allows an input voltage (8 - 24VDC) from an external source to trigger the UniSwing
- “Wind stack” function holds doors closed against strong winds
- Control and programming functions adjusted via the “learn” button or by direct programming instruction
- User friendly –
- Owner/user adjustment of opening and closing speeds, opening angle and hold open time
- Owner/user operation of “Wind stack”, Low Energy and “Push and Go”.

## UniSwing Technical Data

UniSwing Data	
Height x depth x width	108 mm x 131 mm x 600 mm
Mounting rail	Aluminium mill finish
Cover	Aluminium clear anodised
Drive unit	DC motor 36 V
Drive arm	Lever arm or Slide arm assembly
Power supply	240 Volt AC 50 Hz 10A
Power consumption	< 100 W
Temperature range	-15° C + 50° C
Installation options	Universal: Pushing or pulling left or right hand
Opening angle	Adjustable between 45 - 95 degrees
Opening speed	Adjustable (dependent on door weight)
Closing speed	Adjustable between 10% - 55% of opening speed
Open hold time	0-60 sec.



## Standard Features

### Control unit & software

The controller and software package in the UniSwing swing door system calculates the door's weight, amount of friction and force required at start up. The dynamic power is controlled to ensure the door operates smoothly, conveniently and safely every time.

### Program Selector

The program selector is a data control and communication panel connected to the control unit. In standard configuration it is located on the side of the UniSwing.

### Drive Unit

The drive unit includes a unique belt drive gearbox, which increases output torque, decreases operating noise and improves the operator's performance.

### Optional Parts

#### Extra lock board

An optional lock module is available which can feed a lock current >800mA to a single lock or two locks each with a maximum current draw of 750mA at 100% duty cycle. These outputs are individually selectable for:

- Powerless locking or powerless unlocking
- Pulse or continuous operation
- Feedback switch or no feedback switch.

#### Extension module

An extension module is available to add extra inputs and outputs:

- Fire alarm
  - Outside sensor
  - Night switch
  - Intercom input
  - Output signals, door open and closed
- As well as one freely programmable input and one freely programmable output.

#### Lever arm extension

Allows the UniSwing using a lever (push type) arm to be installed on lintel depths of up to 280mm.

#### Extended shaft

Allows the UniSwing to be installed higher than standard.

#### Remote program switch

Allows the program switch to be located up to 10 metres away from the operator.

