



The heart of your building™



## KONE UniDrive™ - Automatic Sliding Door

### UniDrive™ Technical Data

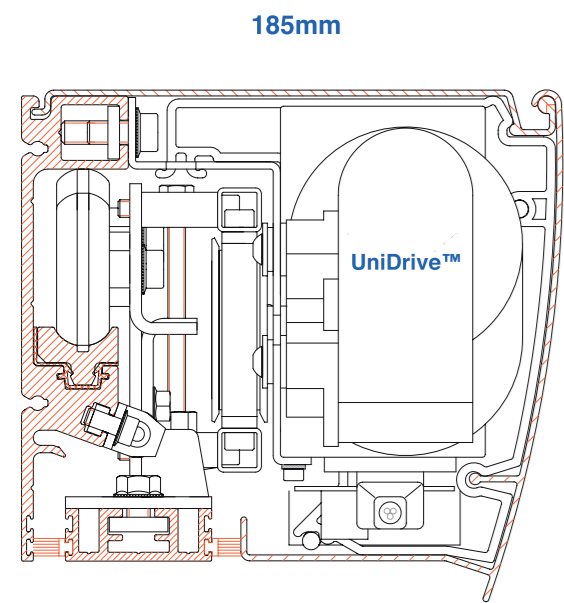


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As a KONE customer, you will benefit from a perfect blend of local knowledge and expertise, supported by world-class technology and resources.

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## KONE UniDrive™

### Functional

- Automatic full width and partial opening
- Full width and partial hold open
- One way entry or exit, locking or non-locking
- Doors closed, or closed and locked.
- Sequential operation between two operators.

### Quiet

- The drive unit – The high quality, low noise motor assembly and control unit is designed to smoothly accelerate and decelerate the doors.
- The tracking system - Replaceable rubber mounted anodised aluminium track and lifetime lubricated self centring carriage wheels ensure quiet, smooth operation.

### Versatile

- Microwave/infra red sensors, push buttons, radio controls, card swipe
- Interfaces with access control and fire evacuation systems
- Interlock and airlock functions
- Control and programming functions adjusted via the “learn” button or by direct programming instruction
- User friendly – owner/user adjustment of opening and closing speeds, and hold open time.

### Safe and Secure

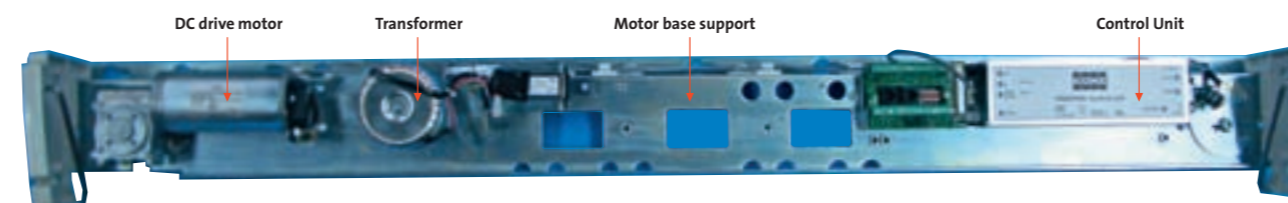
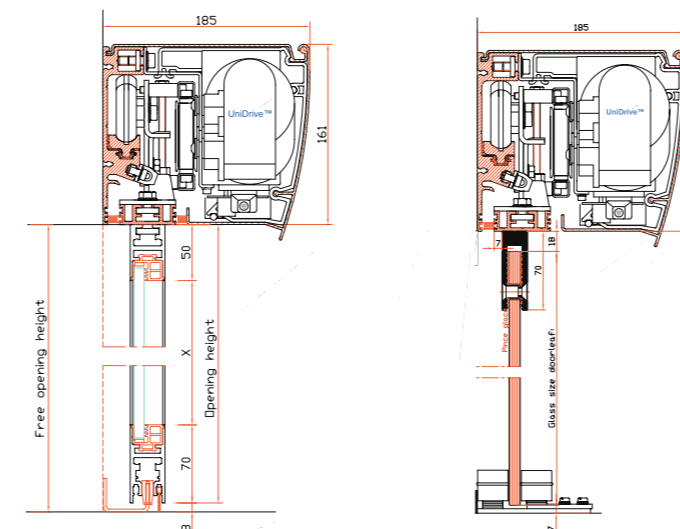
- Adjustable obstacle detection - auto reverse on closing and stop on opening
- Adjustable opening and closing force
- Dedicated safety inputs allow the use of various safety devices. Safety inputs are tested before each door closing cycle
- Electro-mechanical lock securely locks both door leaves. Lock can be changed from powerless locking version to powerless unlocking version
- Battery reserve programmable to suit user’s requirements
- Emergency open and/ or close functions
- Warning and malfunction indication displayed visually via the program switch and an output from the controller
- Complies with all current Australian Standards and Codes
- Four freely programmable inputs and one freely programmable output as standard.

### Reliable

- UniDrive™ 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 120kgs per leaf.

## UniDrive™ Technical Data

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Max door weight - biparting	120 kg per leaf
Max door weight - single slide	180kg per leaf
Opening width	700 - 3000mm
Operator height	161mm
Operator depth	185mm
Rated power	80VA
Opening Speed	105mm/sec - 700mm/sec
Closing Speed	105mm/sec - 700mm/sec
Partial opening width	25% - 90% of full open width
Hold open time	0 - 60 seconds
A/H hold open time	5 - 100 seconds
Power supply	240V AC - 10A
Operating temperatures	-15°C - +50°C
Max. relative humidity	<90%
Protection rating	IP23



## Standard Features

### Control unit & software

The controller and software package in the UniDrive™ sliding door system calculates the door’s weight and amount of friction at start up. This ensures the doors always operate quickly, conveniently and safely. Operating speeds and hold open time can be adjusted via the “learn” button.

### Program Selector

The program selector is a distant data control and communication panel connected to the control unit. It is small, easy to use and can be located up to 100 metres from the control unit.

### Carriage wheels

The carriage wheels have been manufactured from a self-lubricating material designed to minimise friction and ensure long life. The use of sealed bearings ensures quiet operation.

### Drive Unit

The imported drive unit includes a specially designed lifetime lubricated gearbox, which increases output torque, decreases operating noise and improves the operator’s performance in low temperature applications.

### Supporting profile

The aluminium supporting profile incorporates a replaceable rubber mounted anodised aluminium track. The use of separate top and front covers, as well as a purpose designed door mounting rail allowing innumerable mounting possibilities.

### Optional Parts

#### Electro-mechanical lock

The electro-mechanical lock can be configured as either a powerless locking or powerless unlocking version. The lock incorporates a feedback circuit to allow full monitoring of the lock.

#### Battery reserve

Two types of battery reserve are available. A single operation battery pack that will lock/unlock and/or open/close on mains failure and a multiple operational battery unit that can be programmed to perform as follows:

- Operate once only on power fail either open or closed
- Operate continuously, hold open, hold closed or close and lock on power fail
- Power fail open during the day and remain locked at night
- Continue to operate at reduced speed
- Drive open, closed or stand still on battery depletion
- Battery test interval of every 4 or 24 hours.

#### Extension module

An extension module is available to add four freely programmable inputs and four freely programmable outputs.

