

dormakaba – ED100 / ED250 XEA

Automatic swing door operators



NEW. Now with optimised arm system in XEA.



dormakaba

The ED100 and ED250 is supplied with two distinct versions of operation, low energy operation and fully automatic operation. The low energy function is built into the standard unit however to achieve fully automatic parameters an additional function board must be added.

The ED100 / ED250 operators have an identical contemporary, unobtrusive design which is impressively small allowing them to blend in with the most architecturally sensitive environments. Features such as the ESM Energy Saving Mode function and Wind Load Control contribute towards reducing a building 's carbon footprint Both operators may be installed as push-version with standard arm or as pull-version with slide channel.

The ED100 is suitable for doors with a weight of up to 160 kg and a door width of up to 1,100 mm, the ED250 is designed for doors with a width of up to 1,600 mm and a door weight of up to 400 kg.

Performance

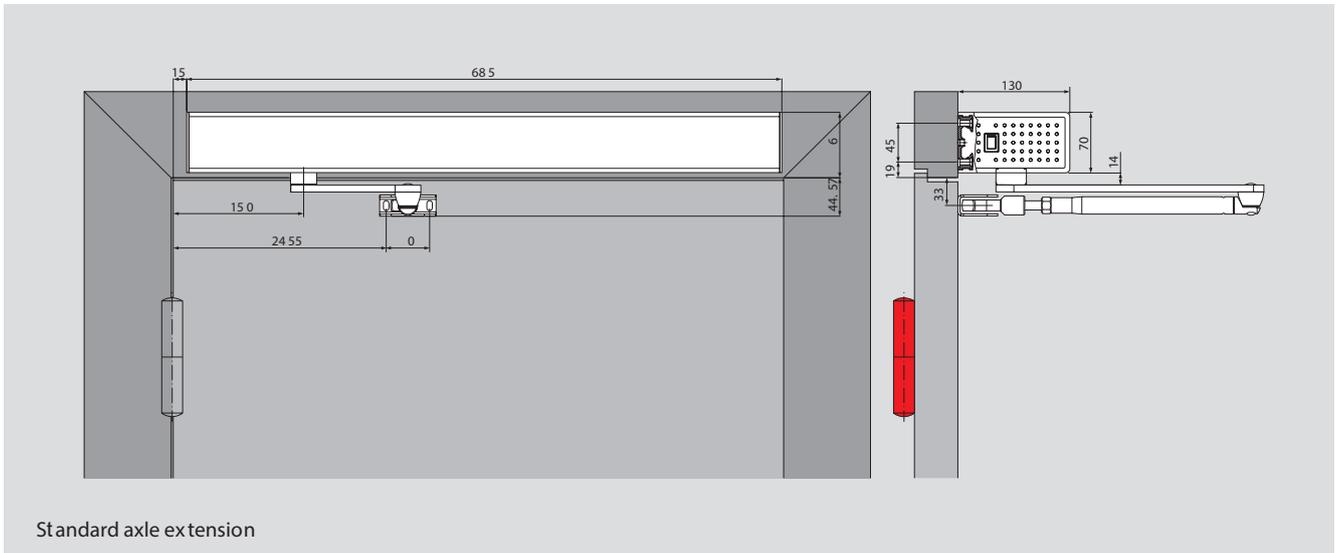
- Elegant visual appearance: DORMA Contur design provides an operator height of only 70mm.
 - Low noise levels through multi-stage gearing.
 - Efficient closing due to an electronic latching action enabling the motor to support the spring to overcome door seals, room to room pressure differentials and wind loads.
 - Suitable for 60 minute fire rated doors for both push and pull application.
 - The ED100A / ED250A along with all DORMA swing door operators provides sufficient force reserves.
- Even when the system is used to the maximum the operator will always try to open and close the door perfectly within the statutory limits. DORMA swing door operators contribute to avoiding the loss of heat thereby contributing towards reducing a building's carbon footprint.
- The ED100A / ED250A mainly closes via spring force. However, thanks to its direct drive, the motor automatically switches on to provide support when required. This assists the door to reach its closed position minimising energy loss.

Technical Specification

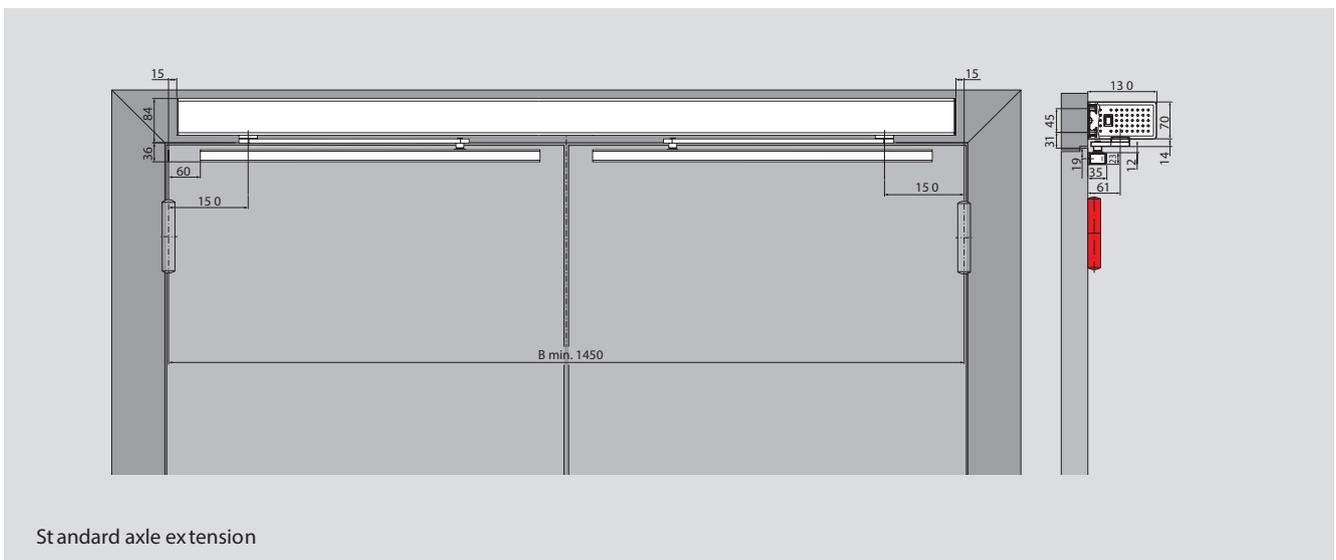
	ED100	ED250
Max Door Weights	160KG	400KG
Max Leaf Width	1100mm	1600mm
Power Supply	230v AC	230v AC
Power Consumption	120W	240W
Opening speed 0 – 90°	4* – 12 seconds	3* – 12 seconds
Closing speed 90 – 0°	5* – 21 seconds	4* – 21 seconds
Power supply for accessories	24V DC 1.5A	24V DC 1.5A
Ambient operating temperature	-15 to +50 °C	-15 to +50 °C
Protection Level	IP20 Product	IP20 Product
Dimensions mm (W x H x D)	685 x 70 x 130 mm	685 x 70 x 130 mm
Closing Force	EN 2 – 4, adjustable	EN 4 – 6, adjustable

dormakaba – ED100 / ED250 XEA Automatic swing door operators

View: BASIC cover, push version



View: CONTINUOUS cover, pull version, 12.5mm drive arm pin

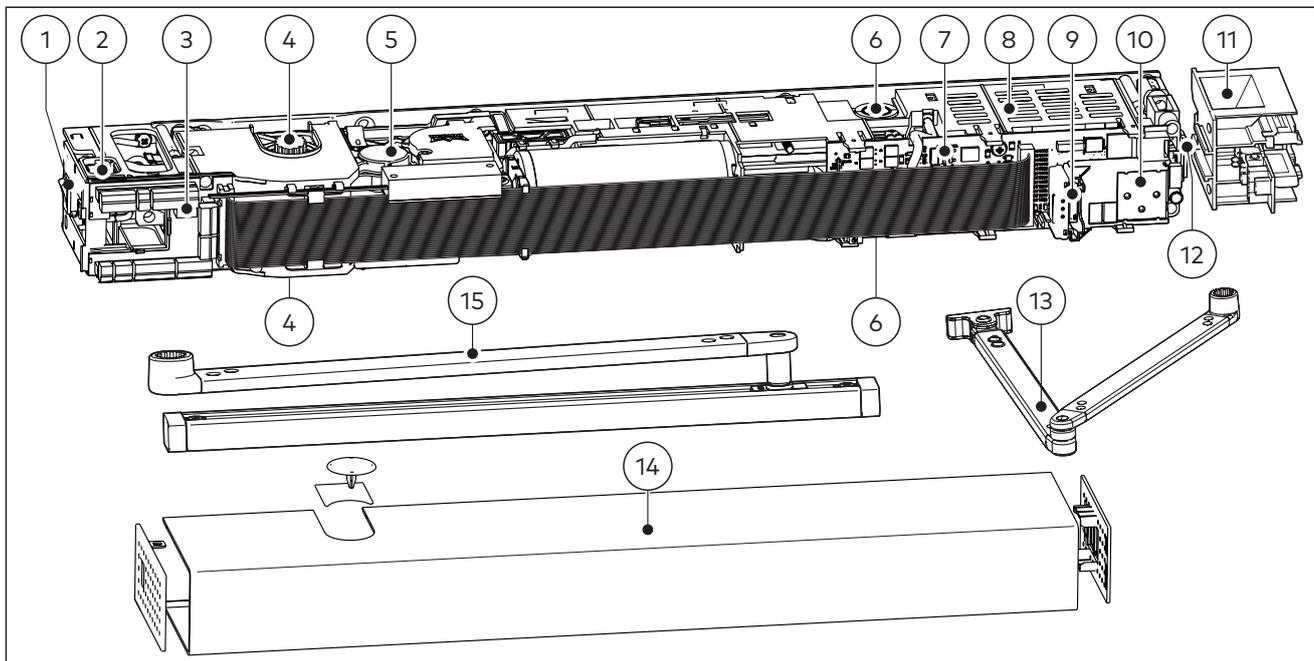


Lintel Depth for slide channel +/- 30mm
 Lintel Depth for standard arm 0 - 500mm
 Drive arm spindle extensions 30/60/90mm

dormakaba – ED100 / ED250 XEA Automatic swing door operators

System Setup

The example system is equipped with all available components. It is selected in accordance with the door-leaf width and the door-leaf weight.



- | | |
|---|--|
| (1) Mains switch | (9) Slot for Upgrade Cards |
| (2) Mains connection | (10) User interface with information display |
| (3) Connection unit | (11) Internal program switch |
| (4) Axle output on both sides | (12) * Slide channel (set) |
| (5) Drive unit (motor/gear/closer spring) | (13) * Standard arm |
| (6) Closing force adjuster | (14) * Complete cover |
| (7) Control unit | (15) ** ED Cover Basic RM, ED Cover Vario RM |
| (8) Switching power supply unit | |

Arm

ED slide channel set – pull-version

The slide channel set is suitable for doors with a door-leaf width of 1,600 mm. The maximum lintel depth amounts to +/- 30 mm.

ED standard arm 225 – push-version

The standard arm is suitable for lintel depths of up to 225 mm, admissible door-leaf width of 1,600 mm.

For lintel depths from 225 mm

ED 100 arm 225 to 300 mm

ED 250 arm 225 to 500 mm

Covers

DORMA provides covers for single and double-leaf systems. All covers feature the DORMA Contur design and are designed for on-site mounting.

ED BASIC cover

Aluminium cover for single-leaf swing door systems.

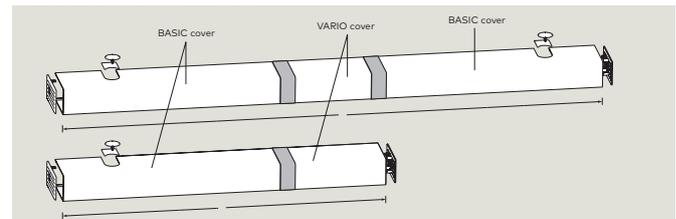
ED VARIO cover

This cover combines with the ED BASIC cover to provide a continuous cover for double leaf swing door systems. In addition to the VARIO cover you will require two ED BASIC covers which are mounted on the left and the right of the operator system.

ED PROFESSIONAL cover

Designed for double-leaf swing door systems, the ED PROFESSIONAL cover is a continuous and seamless cover available in lengths from 1400 mm to 3,200 mm. Also, single-leaf operators may be extended to a length of up to 3,000 mm towards the main closing edge.

ED BASIC and VARIO covers



ED PROFESSIONAL cover

