

Ditec DAB205

It offers great power and maximum control for performance that is always reliable and safe



Performance

- Up to 315 kg door weight in push-arm version. The servo-assisted motor with spring guarantees a reliable closing movement while the encoder offers perfect control of the kinematic movement
- Strong steel mechanical components and the long-lasting Dunker motor guarantee exceptional operator reliability. Ditec DAB205 has been tested up to 1 M cycles
- Perfect dynamic control also for bi-parting doors, it offers many possibilities for managing movement (overlap, contact, no contact, double exit).

Easy to use

- Very easy to configure: a single operator suitable for all applications and 2 different arms, push and pull, also for fire-door applications
- Many mechanical accessories, like shaft and arm extensions, to adapt the operator perfectly to the wall and to the door position
- Configuration diagrams are available (DAB905ESA and DAB905ESE) to add functions and other operating modes if necessary
- Large choice of operating modes, such as PUSH&GO and power assist, to meet the various different needs of the market.

Safety

- DAB205 complies all European standards and directives, including standard EN 16005
- Safety can also be guaranteed by the use of monitored safety sensors
- In case of power failure a reliable battery kit is available which guarantees the continuous operation of the operator over time (optional)
- Thanks to an external LED which shows the status of the door and a specific LED for fire alarm status (both optional): a clear warning also for the end user in all cases of possible failure.

Movement arms

DAB805PSA2
Arm with articulated motion.



DAB805PLA2
Arm with sliding motion.



Technical specifications

Description	Ditec DAB205
Maximum performances (PUSH)	315 kg x 1.2 m 200 kg x 1.6 m
Service index	5 – heavy duty
Lifecycle	1,000,000 cycles
Power supply	110-230 V AC / 50-60 Hz
Power input	1 A
Opening time	2,5 ÷ 12 s (0°-80°) (adjustable)
Closing time	4 ÷ 12 s (90°-10°) (adjustable)
Hold open time	1.5÷30 s
Operating temperature	-20°C / +45°C (-10°C / +50°C with batteries)
Protection level	IP 20
Product dimensions mm (H x D x L)	111x131x720
Operator weight	16 kg
Control panel	built-in



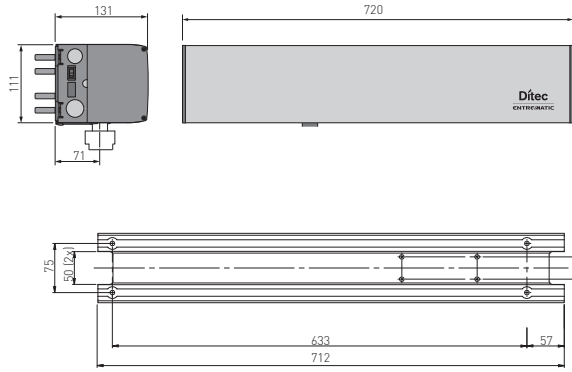
Specific accessories

- DAB905MSW: switch kit for electro-mechanical locking (compulsory for fire doors)
- DAB905LED: LED alarm signal kit
- DAB905RSD: RESET Kit and fire-alarm indication

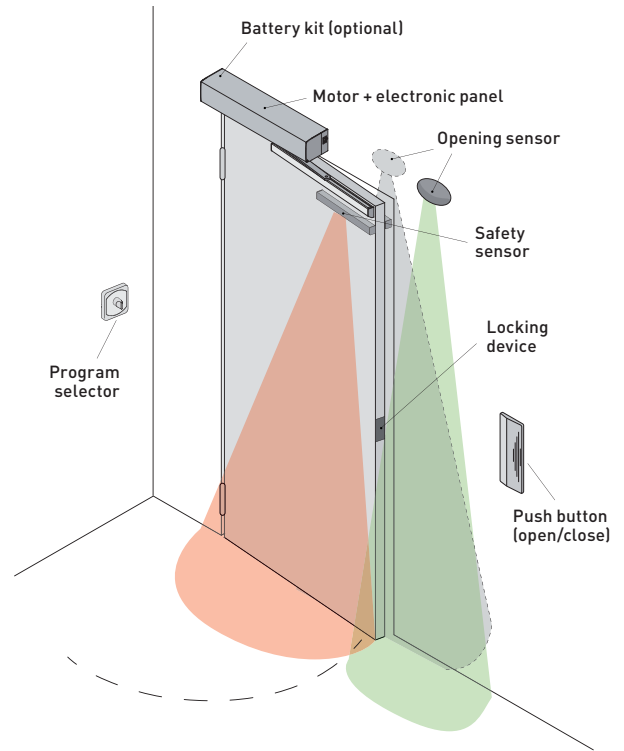
Control accessories and sensors

The automation system can be completed with Ditec command, control and safety devices. To select appropriate items, please refer to the PM general price list.

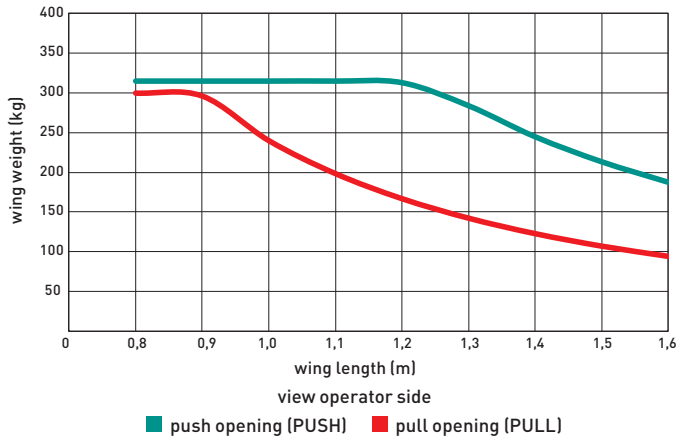
Dimensions



Installation type



Operation diagram



The diagram is calculated using the following formula:

$$J = 1/3 \times \text{wing weight} \times \text{wing length}^2$$

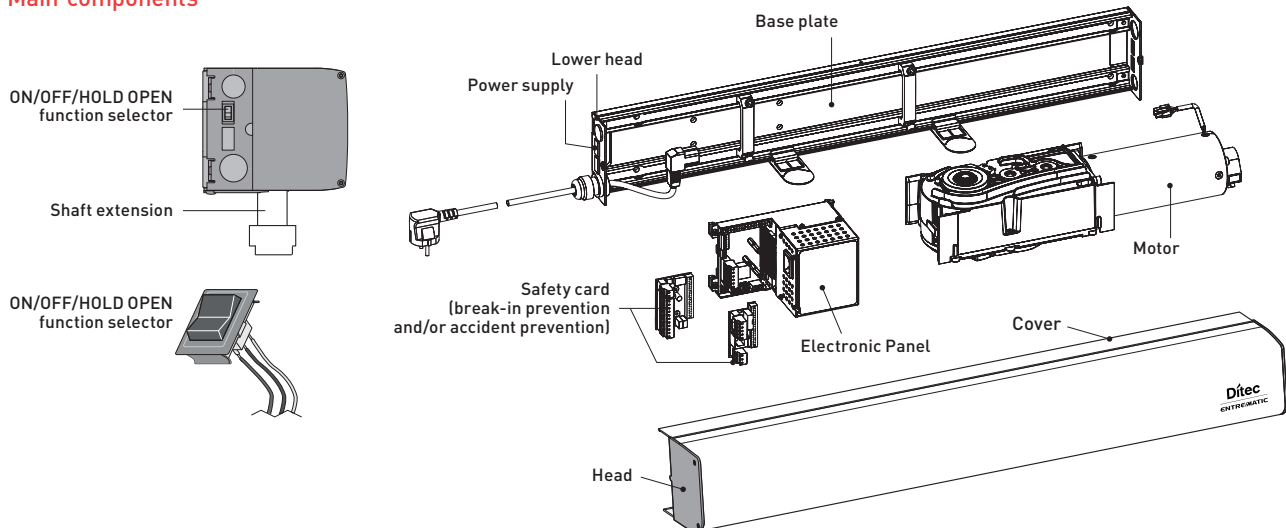
J = inertia [kgm²]

Max. inertia: PUSH version (arm DAB805PSA2) = 160 kgm²

PULL version (arm DAB805PSA2) = 80 kgm²



Main components



Relevant Directives and Standards

MD Machine Directive	EMCD Compatibility Directive Electromagnetic	LVD Low Voltage Directive	EN 16005 User Safety Standard	FIRED TESTED SP SITAC
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