

DICTAMAT 310-21 XXL

For the automation of large and/or heavy single-leaf hinged doors



Video



Website

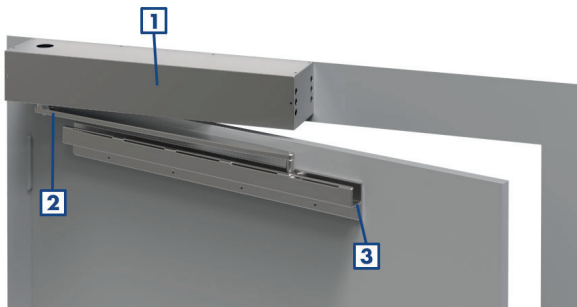
CHARACTERISTICS

- For hinged doors up to 2.5 m wide
- Force up to max. 700 Nm
- For extremely heavy gates
- Suitable for up to 300 operations per day (depending on door mass and speed)
- Position detection: built-in encoder or separate limit switches (upon request)
- Mechanical brake for required braking distances
- Motor in currentless state: blocked
- Enables compliance with the Machinery Directive

DICTATOR will be glad to work out a complete concept for the configuration of your special application.



COMPONENTS



1. Operator
2. Lever arm with roller
3. Slide rail

Standard components included in delivery

- Operator: Worm wheel gear unit with 230/400 VAC three-phase motor and built-in brake, integrated thermal sensor, 2 m connection cable to control unit
- Lever arm with roller
- Sliding rail for lever arm, fixing on the door leaf (for power transmission)
- Built-in encoder

Additional components

- Electromagnetic clutch: Due to the built-in brake, DICTAMAT operators are basically blocked in case of power failure. With the help of the electromagnetic clutch, the output wheel is automatically separated from the gearbox in the event of a power failure and can be moved freely. The door can thus be moved easily. The electromagnetic clutch is supplied via a separate power supply unit. An additional power pack is required to ensure safe braking in the event of a power failure.

TECHNICAL DATA

Motor rating	0,18 kW
Force of the motor max	700 Nm
Opening and closing speed	adjustable separately
at 50 Hz about s / 90°	10
Voltage	230/400 VAC
Nominal current (control unit)	8 A
Braking moment (mechanical brake)	4 Nm
Duty cycle	30 % ED
IP rating	IP 54
Opening angle max.	180°
Position control	Encoder
Weight (without accessories)	55 kg
Max. door width	2,5 m
Max. door weight	for extremely heavy doors

OPTIONS

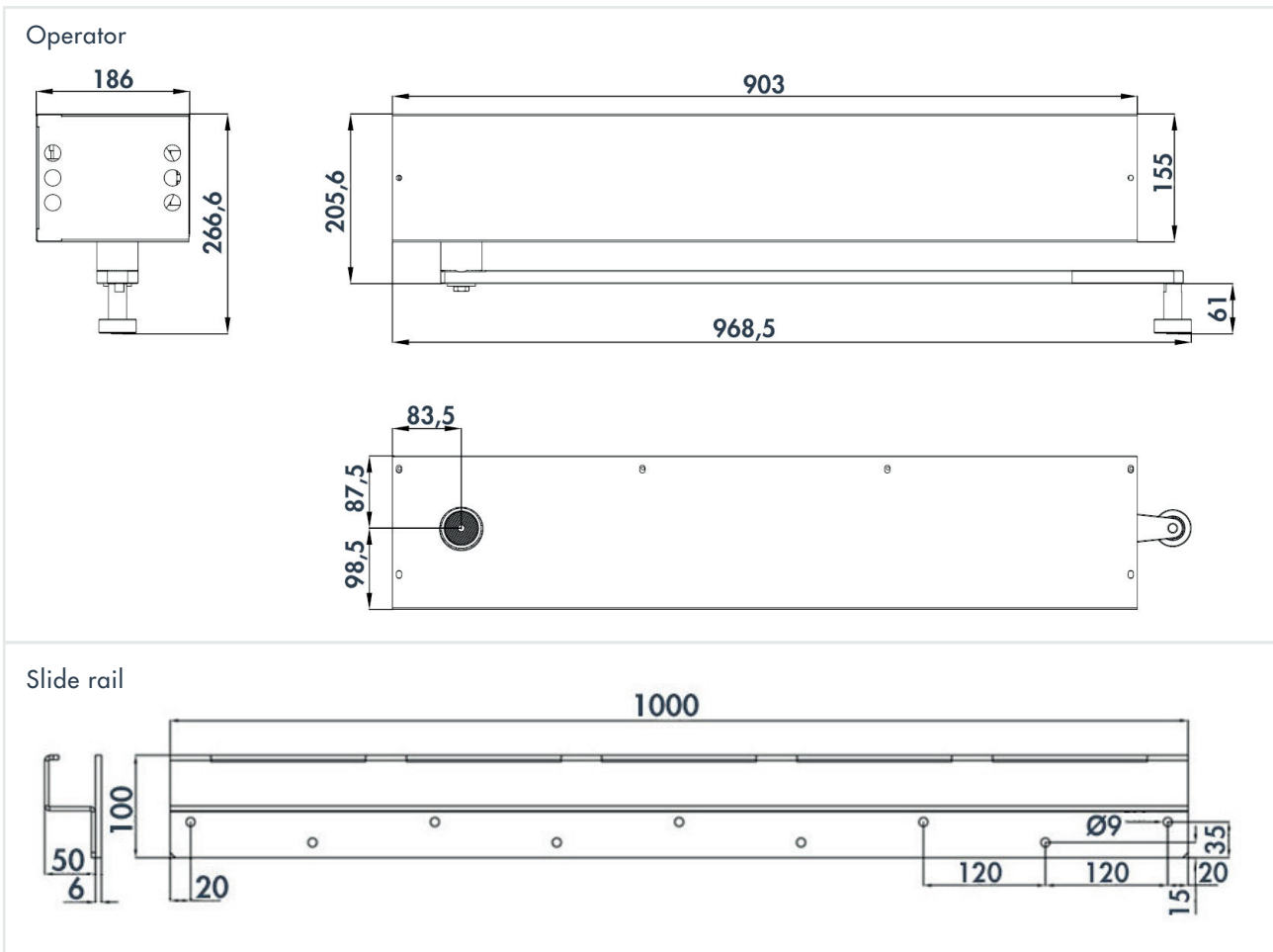
- **Disengaging device:** In all operators with mechanical brake, the gates are blocked in case of power failure. If the gates have to be moved manually even in case of power failure, an additional electromagnetic clutch is possible
- **Force:** The DICTAMAT 310-21 XXL can be supplied with forces other than those listed above upon request



Questionnaire

DIMENSIONS

All dimensions in mm



ORDER INFORMATION

Description	Part no.
DICTAMAT 310-21 XXL hinged door operator	790820

ACCESSORIES

Description	Part no.
Electromagnetic clutch for DICTAMAT 900-21, 0.18 kW, 24 V, 21 W, mounted opposite driving wheel	790500
Condenser package for electromagnetic clutch, for time lagging reaction of the clutch without current	790505
NT3 power pack, 24 VDC, 5 A, 120 W, with 1.5 m power cable with safety plug and 2 m power supply cable with 6-pin connector	710783