Lifting column 07HX35EN-3A

TECHNOLOGY
DRIVES INTELLIGENT LIFE

Data sheet

Lifting column 07HX35EN-3A

07HX35EN-3A is a 3-stage square column with compact structure and is specially designed for the demanding applications who requires big bending moments and high speed.

07HX35EN-3A is powerful and durable, and its thrust is up to 6000N. 07HX35EN-3A is available for 2000N/ 4000N/ 6000N.

These features gives 07HX35EN-3A a better bearing capacity and could be applied to hospital beds,dental chairs,physiotherapy couch and others where space is limited. Equipped with HALL SENSOR, 07HX35EN-3A could work in parallel with other columns connected to control box.

Features

- Motor :24 VDC
- Load in push: 2000N / 4000N / 6000N
- Stroke length:100-400mm (+/-3mm)
- Built-in dimension: 225mm
- Static bending moment: 1000 / 1500 / 2000 Nm
- Dynamic bending moment:750 / 1250 / 1750 Nm
- Noise level: ≤48dB (environmental noise≤40dB)
- Surface treatment: Anodized aluminium
- Protection class : IP54
- Built-in electronic limit switch

Options

- With hall-sensors (applying for parallel drive or position memory function)

Usage

- Duty Cycle: 10%, max. continuous work for 2min. and 18 min. off
- Operating Temperature: +5℃ to +40℃
- Reserve Temperature: −10℃ to +50℃
- Supporting Control Box: matching with control box.
- Relative Humidity: 20% to 90% at 30℃ , non−condensing
- Atmospheric Pressure: 700 to 1060hpa

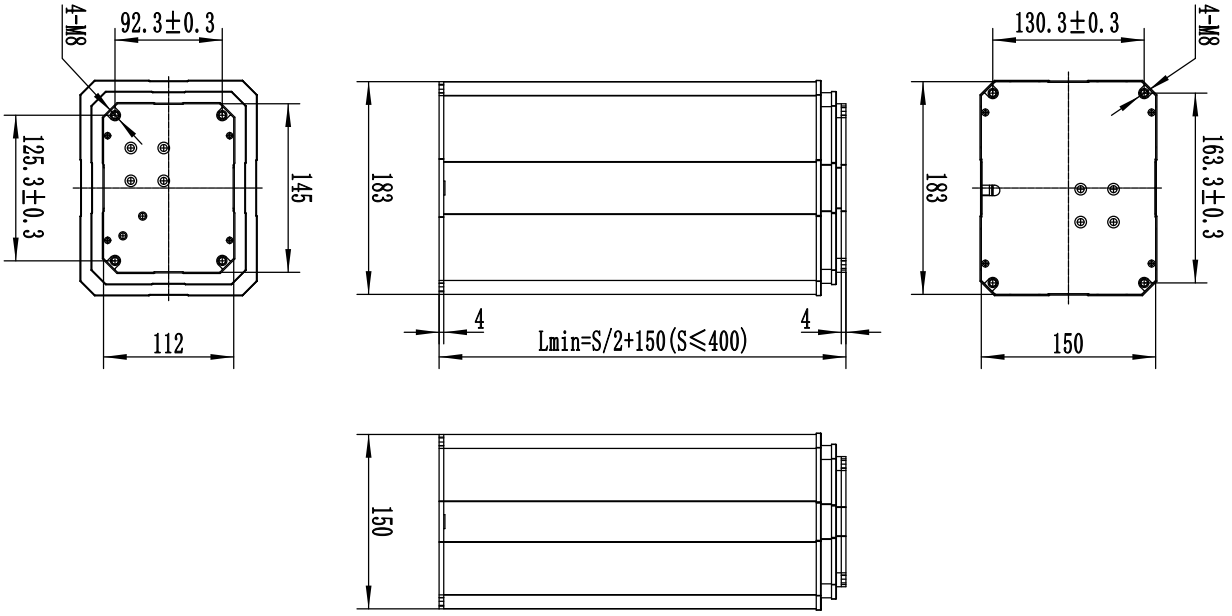
Technical Specifications (Standard Value)

Max.load in Push (N)	Mechanical self-locking (N)	Stroke length (mm)	Speed at no load (mm/s)	Speed at full load (mm/s)	Current at full load (A)
6000	6000	100-400	6.5	5.5	≤7
4000	4000	100-400	9.5	8.5	≤7
2000	2000	100-400	12.5	11.5	≤7

Comments to table

- The above measures are made in connection with 24V DC stabilized voltage supply.
- control boxes are designed so that they will short-circuit the motor terminals (poles) of the actuator(s) when the actuator(s) are not running. This solution gives the actuator(s) a higher self-locking ability. If the actuator(s) are not connected to a control box, the terminals of the motor must be short-circuited to achieve the self-locking ability of the actuator.

Dimensions



Installation dimensions

Load(N)	Stroke Length(mm)	Installation dimension(mm)
2000	100-400	L=S/2+150
4000	100-400	L=S/2+200
6000	100-400	L=S/2+250

Ordering Key