

LINACT-L37 Solar Linear Actuator

- Typical Applications: Solar Tracking
- 24VDC Permanent magnet motor
- Speeds from 1.4mm/s up to 2.3mm/s
- Max Stroke length: 1200mm
- Heavy-duty aluminium housing for harsh conditions.
- Highly efficient acme thread spindle

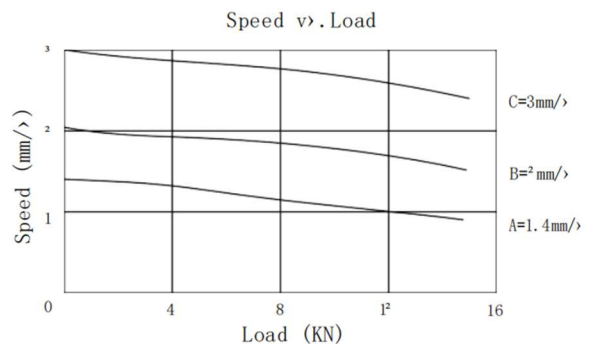
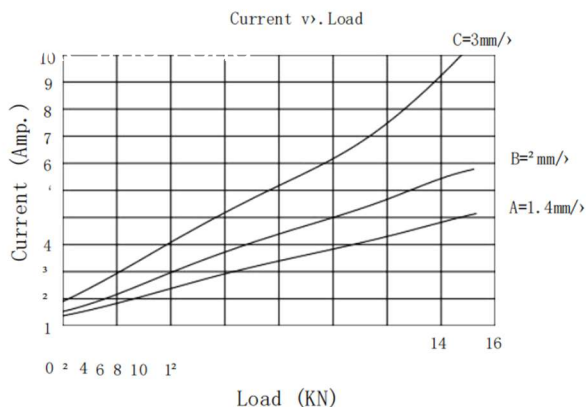
Mechanical Data

- Ambient Operating temperature and full 15kN Performance $-30^{\circ}\text{C}\sim+70^{\circ}\text{C}$
- Protection – IP66
- Integrated brake, high self-locking ability
- Typically endplay from outertube to ball rod eye is 0.25 to 0.5mm, expected extra play after 10 years +0.4mm
- Non-rotating piston rod eye
- Embedded electronics and feedback, e.g. HALL pulses
- Ball rod eye
- Noise level 56dB
- Design for 25 year service life.
- Optional:
- Built-in end stop switches
- Hall effect sensor with A/B – signal
- Exchangeable cables in different lengths.

Force Data

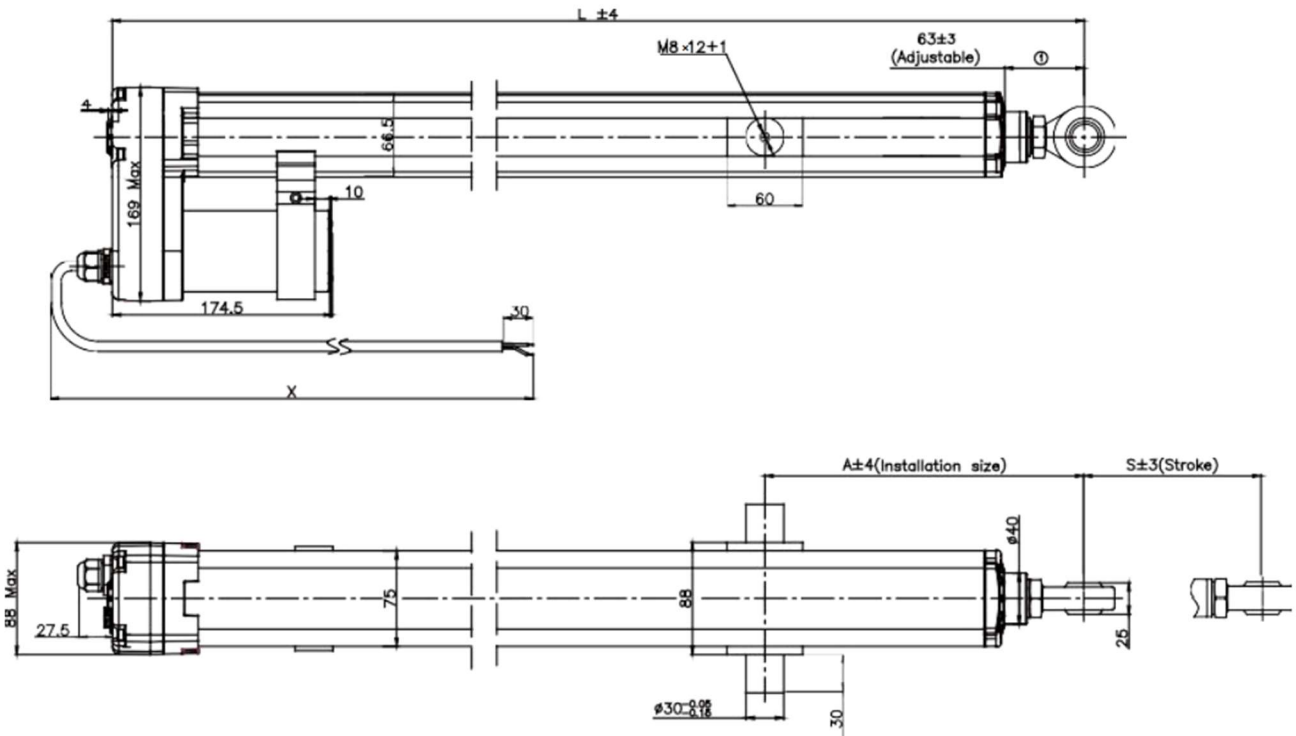
- Force 10kN (10 000 cycles) – 15kN (2000 cycles)
- Static holding force up to 45kN* in Push & Pull
- Dynamic wind stress forces 15kN push/pull 80 000 times
- Duty Cycle at max. load 12% at $-30^{\circ}\text{C}\sim+70^{\circ}\text{C}$

Transmission Parameters



Dimensional Drawing

With Trunnion:



With Rear End Bracket:

