



ELEVATE™
Data sheet

ELEVATE

ELEVATE™ is our electric lifting column for cobot palletisers, which extends the range of your cobot, increasing both speed and flexibility. ELEVATE uses our powerful LC3 IC.

ELEVATE is easy to install and compatible with a wide range of cobot models and brands.

Different interfaces offer the level of control and feedback required by a specific task, and with a brushless motor and an integrated controller, ELEVATE provides high position accuracy.



General Properties

- Speed: up to 100 mm/s independent of load
- Payload: up to 1000 N
- Stroke: 900 mm- for other options contact LINAK sales
- Height above floor: 730 mm
- Fully extended height: 1630 mm
- Bending moment - static: 3000 Nm (allowed bending moment between cobot and column, while the column is not moving)
- Bending moment - dynamic: 1400 Nm (allowed bending moment between cobot and column, while the column is running in or out)
- Position accuracy along the driven axis: +/- 1,5 mm
- Position repeatability: +/- 1,5 mm
- Noise level: 53 dB(A)
- Weight: 29 kg
- Dimension [L x W x H]: 163 mm x 163 mm x 730 mm
- Duty cycle: 10 % (2 min. continuous use followed by 18 min. not in use)
- Operating temperature: from +5 to +40 °C
- Protection class: IP44
- Power supply DC: 24 V
- Current consumption: 6-23 A

Interfaces

- Digital and analogue I/O
- Modbus TCP/IP

Compatibility

- Universal Robots e-Series with URCap
- Doosan
- Omron with ELEVATE components for TMFlow
- Techman with ELEVATE components for TMFlow
- For other options, contact LINAK sales

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