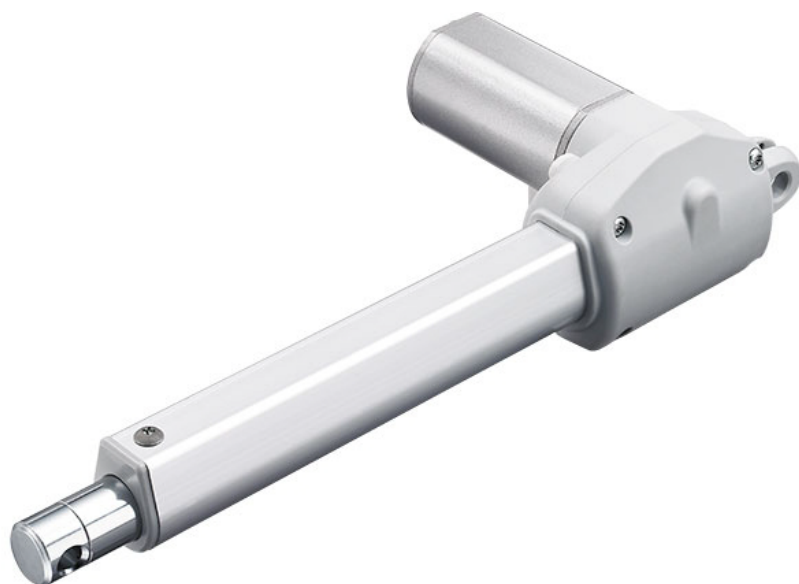


TA9

Series



Product Segments

Comfort Motion
Ergo Motion

TA9 Series

TecHome's TA9 series linear actuator was designed as an economical, compact solution specifically for the furniture industry where force cannot be sacrificed. This linear actuator is designed with a custom gear box, molded with a specially formulated plastic material which allows the TA9 to support load ratings up to 2,500N. An EMC certification has been attained for this series, which is also available with optional IP54 or IP66 protection.

General Features

| | |
|---------------------------------------|--|
| Voltage of motor | 12V DC or 24V DC |
| Maximum load | 2,500N in push |
| Maximum load | 1,000N in pull |
| Maximum speed at full load | 24.5mm/s (with 300N in a push or pull condition) |
| Minimum installation dimension | Stroke + 140mm |
| Color | Black or grey |
| IP rating | Up to IP66 |
| Certificate | EMC |
| Operational temperature range | +5°C~+45°C |
| Options | Hall sensor(s) |



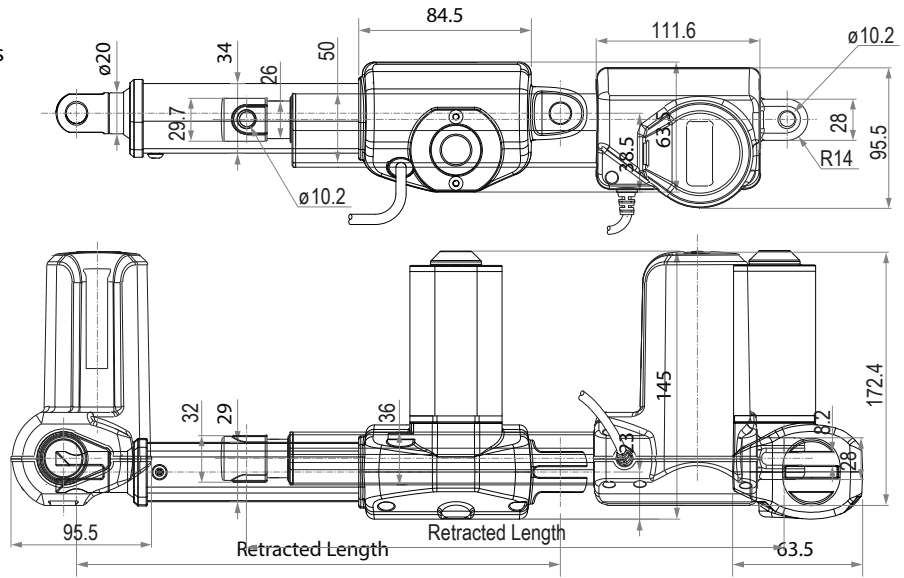
MOTION AND AUTOMATION

P: 07 3297 9797 A: 33 Perrin Drive, Underwood, QLD, 4119, Australia E: info@techome.com.au W: www.techome.com.au

Drawing
Drawing

Standard Dimensions

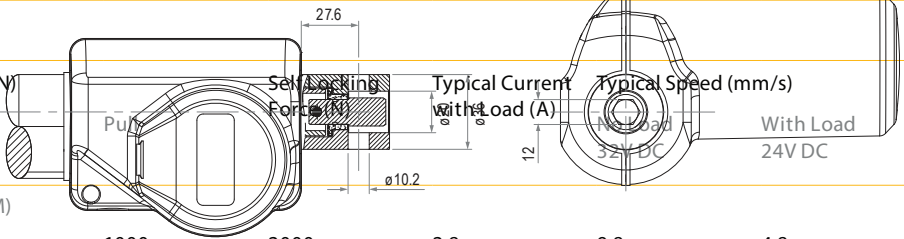
Dimension Standard



Load and Speed

with Manual
Operation

Load (N)
Push



Motor Speed (4100RPM)

| CODE | Rated Load (N) | Self-Locking Force (N) | Typical Current at Rated Load (A) | Typical Speed (mm/s) | No Load (32V DC) mm/s | Rated Load (24V DC) mm/s | Typical Speed (mm/s) | Typical Current with Load (A) |
|------|----------------|------------------------|-----------------------------------|----------------------|-----------------------|--------------------------|----------------------|-------------------------------|
| A | 2000 | 1000 | 2000 | 2.8 | 9.8 | 4.8 | | |
| B | 1500 | 1000 | 800 | 2.8 | 13.6 | 6.4 | | |
| C | 1000 | 1000 | 300 | 3.2 | 26.0 | 10.9 | | |
| D | 800 | 800 | 200 | 3.5 | 37.0 | 15.3 | | |
| E | 500 | 500 | 100 | 3.5 | 58.0 | 24.0 | | |
| F | 2500 | 1000 | 2500 | 2.8 | 9.5 | 5.0 | | |
| G | 2000 | 1000 | 1000 | 3.0 | 13.3 | 6.0 | | |
| H | 1500 | 1000 | 500 | 4.0 | 26.2 | 11.0 | | |
| I | 10000 | 4000 | 10000 | 5.3 | 36.5 | 16.0 | | |
| J | 10000 | 4000 | 2500 | 5.5 | 36.5 | 16.0 | | |
| K | 6000 | 4000 | 4000 | 3.5 | 57.0 | 24.0 | | |
| L | 2500 | 2500 | 1000 | 3.2 | 15.9 | 8.3 | | |
| M | 2000 | 2000 | 1000 | 3.2 | 19.8 | 11.1 | | |
| N | 1000 | 1000 | 1000 | 2.1 | 8.0 | 4.0 | | |
| O | 1000 | 1000 | 800 | 2.1 | 11.2 | 5.9 | | |
| P | 3500 | 3500 | 3500 | 3.6 | 21.6 | 11.3 | | |
| Q | 8000 | 4000 | 4000 | 4.0 | 30.0 | 15.7 | | |
| R | 8000 | 4000 | 200 | 4.0 | 30.0 | 15.7 | | |
| S | 300 | 300 | 100 | 1.4 | 47.0 | 24.5 | | |
| T | 6000 | 4000 | 4000 | 4.4 | 36.0 | 16.0 | | |
| U | 2000 | 2000 | 1000 | 4.1 | 20.2 | 11.1 | | |
| V | 2500 | 2500 | 1000 | 4.1 | 20.2 | 11.1 | | |
| W | 2000 | 2000 | 1000 | 4.0 | 25.3 | 14.9 | | |
| X | 1000 | 1000 | 500 | 3.0 | 38.0 | 23.2 | | |
| Y | 3500 | 500 | 3500 | 4.6 | 14.3 | 7.6 | | |
| Z | 8000 | 4000 | 6000 | 5.0 | 6.7 | 3.3 | | |
| AA | 5000 | 4000 | 2500 | 4.2 | 10.1 | 5.1 | | |

Load and Speed

CODE

PUSH

PULL

Motor Speed (3800RPM)

Motor Speed (3300RPM)

Motor Speed (3400RPM)

Motor Speed (2200RPM)

Motor Speed (3800RPM)

Motor Speed (3800RPM)

Motor Speed (3800RPM)

Motor Speed (3800RPM)

Motor Speed (3800RPM)

Motor Speed (3800RPM)

Motor Speed (3800RPM)

Note
1 The left diagram shows the speed and current figures under pushing condition.
2 Speed would be the same if with 12V motor, but with double current consumption comparing 24V motor.
3 If choosing #B, it must use iron inner tube and front attachment #5, and add additional 5mm retracted length.
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