



# Lambda Industrial Electric Actuator

Used mainly as individual units the Lambda heavy duty industrial electric actuator systems are used in many Industrial, Medical and Pharmaceutical applications worldwide.



# Lambda Industrial Electric Actuator

## Description

Possibly the most robust actuator in the world.

Operating consistently for over 3 million operations and in temperatures from -20°C to +60°C.

The LAMBDA is an electric linear actuator designed for industrial applications with high demand.

The unit is capable of handling loads up to 8000N (800Kg) at speeds up to 40mm/s. The units are fitted with high quality DC motors

## Features

- Protection IP66
- Anti-stall Protection
- Self Locking
- Thermal Protection
- Tested for 1 00,000 operations at full load
- Stroke Lengths up to 1000mm
- Integrated Limit Switch
- Integrated Potentiometer



Terms of use - Product details subject to change without notice



VAT. 807373820  
Company Registration. 4492419  
Registered Office. Industrial Devices, Unit 32A, Atcham Business Park, Shrewsbury, Shropshire, United Kingdom SY4 4UG

Telephone. +44(0)1743 248 700  
Email. [sales@industrialdevicesgroup.com](mailto:sales@industrialdevicesgroup.com)  
Website. [www.actuatorselectric.com](http://www.actuatorselectric.com)

[illegible]

Terms of use - Product details subject to change without notice



## Technical Data

|                         |                        |
|-------------------------|------------------------|
| Voltage                 | 24VDC (12VDC Optional) |
| Current                 | 9A maximum             |
| Protection              | IP66                   |
| Ambient Temperature     | -20°C to +60°C         |
| Load                    | 2000N, 4500N, 6000N    |
| Speed                   | 5mm/s, 8mm/s, 21mm/s   |
| Potential Repeatability | <1mm                   |
| Life Expectancy         | >100,000 cycles        |

## Closed Length

| Speed at Nominal Load | 5 mm/s           | 8 mm/s        | 21mm/s        |
|-----------------------|------------------|---------------|---------------|
| Load (Nominal)        | 6000N<br>(600Kg) | 4500N (450Kg) | 2000N (200Kg) |
| Maximum Push load     | 6000N<br>(600Kg) | 4500N (450Kg) | 2000N (200Kg) |
| Maximum Pull Load     | 4000N<br>(400Kg) | 4000N (400Kg) | 2000N (200Kg) |
| Stroke                | 100...400mm      | 100...600mm   | 100...600mm   |

## Duty Cycle

The actuators are designed for intermittent service. The maximum operating time at Nominal Load may not exceed 10% (2 minutes operation, 18 minutes rest). This depends on load and ambient temperature.

## Additional Features

- 230V AC Power Supply
- Manual Adjustment during power failure
- Anti-stall protection on push and pull loads
- Potentiometer feedback
- Limit signal switches



Terms of use - Product details subject to change without notice



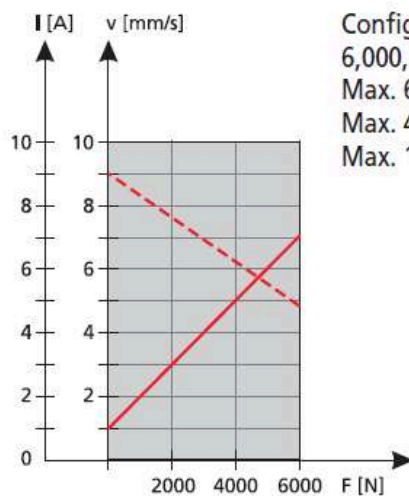
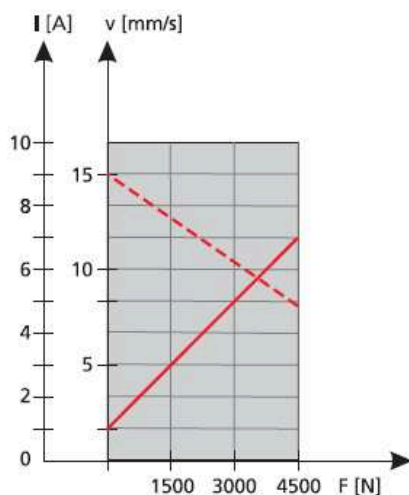
VAT. 807373820  
Company Registration. 4492419  
Registered Office. Industrial Devices, Unit 32A, Atcham Business Park, Shrewsbury, Shropshire, United Kingdom SY4 4UG

Telephone. +44(0)1743 248 700  
Email. [sales@industrialdevicesgroup.com](mailto:sales@industrialdevicesgroup.com)  
Website. [www.actuatorselectric.com](http://www.actuatorselectric.com)

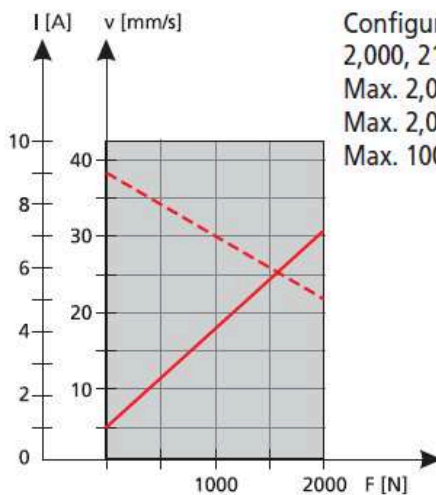
## Performance Diagram

--- v [mm/s]  
— I [A]

**Configuration II**  
4,500, 8 mm/s  
Max. 4,500 N push  
Max. 4,000 N pull  
Max. 100-600 mm stroke



**Configuration I**  
6,000, 5 mm/s  
Max. 6,000 N push  
Max. 4,000 N pull  
Max. 100-400 mm stroke



**Configuration III**  
2,000, 21 mm/s  
Max. 2,000 N push  
Max. 2,000 N pull  
Max. 100-600 mm stroke



Terms of use - Product details subject to change without notice



VAT. 807373820  
Company Registration. 4492419  
Registered Office. Industrial Devices, Unit 32A, Atcham Business Park, Shrewsbury, Shropshire, United Kingdom SY4 4UG

Telephone. +44(0)1743 248 700  
Email. [sales@industrialdevicesgroup.com](mailto:sales@industrialdevicesgroup.com)  
Website. [www.actuatorselectric.com](http://www.actuatorselectric.com)

View Lambda Industrial Electric Actuator Online Visit:  
<https://actuatorselectric.com>

# Contact

Our specialist team are always ready to listen and help, please drop us an email or call to talk with the team.

**Address.**

Industrial Devices  
Unit 32A  
Atcham Business Park  
Shrewsbury  
Shropshire  
United Kingdom  
SY4 4UG

**Telephone.**

+44(0)1743 248 700

**Email.**

[sales@industrialdevicesgroup.com](mailto:sales@industrialdevicesgroup.com)

Telephone. +44(0)1743 248 700

Email. [sales@industrialdevicesgroup.com](mailto:sales@industrialdevicesgroup.com)

Website. [www.actuatorselectric.com](http://www.actuatorselectric.com)



Industrial Devices

Unit 32A, Atcham Business Park, Shrewsbury, Shropshire, United Kingdom SY4 4UG

Telephone. 01743 248 700

Email. [sales@industrialdevicesgroup.com](mailto:sales@industrialdevicesgroup.com)

Website. [www.actuatorselectric.com](http://www.actuatorselectric.com)

VAT. 807373820

Company Registration. 4492419

Registered Office. Industrial Devices, Unit 32A, Atcham Business Park, Shrewsbury, Shropshire, United Kingdom SY4 4UG