

## Features

- Compact Design
- Preset Limit Switches
- Input Voltage 12VDC
- Stroke 50mm
- IP54
- Duty Cycle 25%

## RS PRO Linear Actuators

RS Stock No.: 177-4498



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

## Product Description

LD3 has a compact design, suitable for various applications that require limited installation space. Such as adjustable tilting, raising or moving a variety of mechanical parts used in Industrial, furniture and mobility products.

Main Application: Industrial, homecare, furniture

## General Specifications

Actuator Type	ACME Screw
Motor Technology	DC Motor
Control	S - Limit Switch
Series	LD3
Colour	Grey
Duty Cycle	25% or 5 min of continuous operation in 20 min.
Housing	Cast aluminum, coated for outdoor use and in harsh conditions

## Electrical Specifications

Input Voltage	12VDC
Current No Load	1.2A at 12VDC
Current Full Load	3.2A at 12VDC
Motor Power	38W
Maximum Acceleration	N/A
Maximum Load	500N Push/Pull
Maximum Speed No Load	14.6mm/s
Maximum Speed Full Load	12.3mm/s
No Load Torque	N/A
Maximum Force Lifting	500N
Noise Level	≤70dB
Motor	Permanent magnet motor 12V DC/ 5000rpm
Cable	Motor: 2 x 14 AWG PVC cable
Positioning Feedback	No
Connection	Unterminated Cable

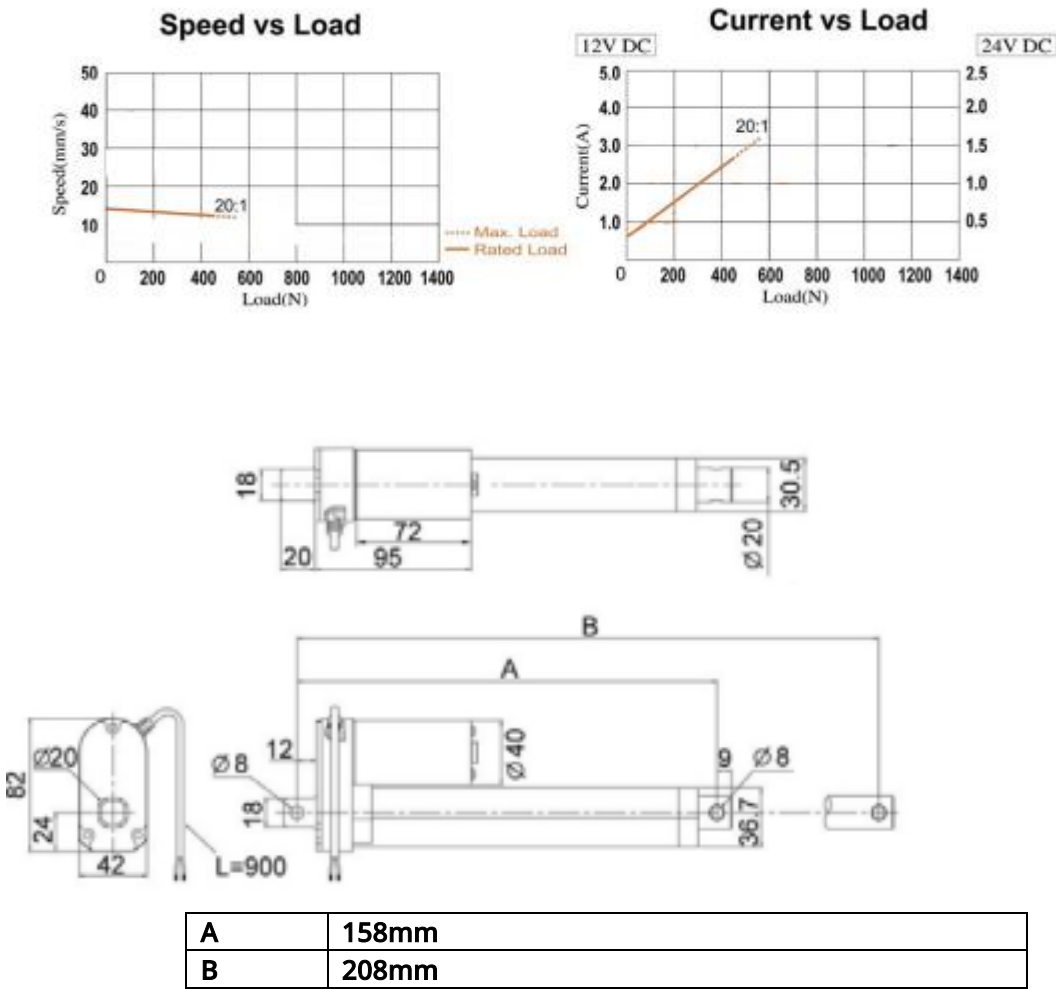
## Mechanical Specifications

Maximum Stroke Length	50mm
Brake	N/A
Spindle Type	Pitch=6mm Double thread
Gear Ratio	20:1
Front Connector	Drilled Hole, 8mm
Rear Connector	Drilled Hole, 8mm
Clevis Ends	No
Screw	ACME screw
Overall Length Closed	175mm
Weight	0.86Kg or 860g
Ambient Operation Temperature	-25°C to 65°C
Storage Temperature	-25°C to 65°C
IP Rating	IP54

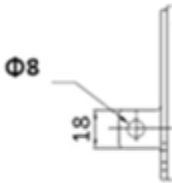
## Approvals

Compliance/Certifications	CE / EN55014-1:2017+A11:2020
Declarations	EN 55014-2:2015

Other Specifications



◆ Rear connector



Wiring

	Wire Color	Definition	Description
Power Wires	Red	DC Power	Connect red wire to “Vdc +” & black wire to “Vdc -” of DC power to extend the actuator. Switch the polarity of DC input to retract it.
	Black		