

HyHaven HH-LA-U1 Product Datasheet

900N / 202 lbs Linear Actuator | 12V / 24V DC | IP54

Product Overview

HH-LA-U1 is a 20W DC linear actuator configured for 900N maximum push force, 6 mm/s no-load speed and 4 mm/s load speed. The values below are source-controlled for this exact configuration.

Parameter	Verified Specification
Public model	HH-LA-U1
Maximum push force	900N / 202 lbs
Maximum pull force	800N
Maximum self-locking load	1500N
Rated voltage	12V / 24V DC
Motor power	20W
No-load / load speed	6 mm/s / 4 mm/s
12V current	0.8A no-load / 3A load
24V current	0.6A no-load / 1.8A load
Duty cycle	10%-20%
Operating temperature	-20 C to 60 C
Noise	<45 dB
Protection rating	IP54
Motor type	Brushed DC motor
Gear	Powder metallurgy
Gearbox	Zinc alloy
Inner / outer tube	Aluminum alloy
Limit	Built-in
Installation length	Stroke + 105 mm
Standard storefront strokes	50-450 mm
OEM custom stroke	15-1000 mm; factory-set and not adjustable after production

Configuration Control

The factory family contains multiple speed/force rows. HH-LA-U1 uses the 900N row only: 6 mm/s no-load and 4 mm/s load. The 10 mm/s row is a different lower-force configuration.

Engineering Reference

Use the separate HH-LA-U1 Dimension Drawing for exact mechanical geometry. The drawing is extracted from the authentic factory engineering source in millimeters; no dimensions are redrawn or inferred.