HYHAVEN / LINEAR MOTION SOLUTIONS

HH-LA-U1 Product Datasheet

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

Product overview

The HH-LA-U1 is a 20 W brushed DC linear actuator. This datasheet lists the confirmed U1 configuration and its verified specifications.

PARAMETER	VERIFIED SPECIFICATION
Public model	HH-LA-U1
Maximum push force	900 N / 202 lbs
Maximum pull force	800 N
Maximum self-locking load	1500 N
Rated voltage	12V / 24V DC
Motor power	20 W
No-load speed	10 mm/s
Load speed	7 mm/s
12V current	0.8 A no-load / 3 A load
24V current	0.6 A no-load / 1.8 A 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 switch	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 note
The confirmed HH-LA-U1 speed values are 10 mm/s no-load and 7 mm/s under load. The force, pull and self-locking values above are confirmed for this same product.

Engineering reference

Use the separate HH-LA-U1 Dimension Drawing for exact mechanical geometry. The drawing is based on the factory engineering source and uses millimeters.