

HH-LA-U11 3500N / 787 lbs Heavy Duty Linear Actuator

Model: HH-LA-U11 | 12V / 24V DC | IP65

This datasheet summarizes the verified source-of-truth specifications for the HH-LA-U11 heavy-duty linear actuator. Use it for product selection, engineering review, and OEM / project planning.

Force 3500N / 787 lbs	Voltage 12V / 24V DC	Speed 3.5 mm/s no-load 2.2 mm/s load
Protection IP65	Limit Built-in limit	Stroke 50–450 mm standard 15–1000 mm OEM

Key Specifications

Model	HH-LA-U11
Max Push Force	3500N / 787 lbs
Max Pull Force	3500N
Max Self-Locking Load	5000N
Voltage	12V / 24V DC
Motor Power	60W
No-load Speed	3.5 mm/s
Load Speed	2.2 mm/s

Electrical Specifications

12V No-load Current	1A
12V Load Current	6A
24V No-load Current	0.6A
24V Load Current	3A

Mechanical / Operating Specifications

Duty Cycle	10%–20%
Operating Temperature	-20°C to 60°C
Noise	<55 dB
Protection Rating	IP65
Motor Type	Brushed DC Motor
Gear	Nylon Plastic Gear + Powder Metallurgy
Gearbox	Zinc Alloy
Inner / Outer Tube	Aluminum Alloy
Limit Configuration	Built-in

Stroke Configuration

Standard Storefront Stroke	50–450 mm
OEM Custom Stroke Capability	15–1000 mm
Installation Length	Stroke + 120 mm

OEM / Customization Note

Standard storefront stroke options are 50–450 mm. OEM custom stroke capability extends from 15–1000 mm. Installation length follows Stroke + 120 mm.

Contact HyHaven through the website for product selection and project support: hyhavenstore.com.