

HH-LA-U6 Installation Reference V1

Installation reference for the HH-LA-U6 / 7000N / 1574 lbs heavy-duty linear actuator.

1. Product Identification

Model	HH-LA-U6
Voltage	12V / 24V DC
Max Push Force	7000N / 1574 lbs

2. Operating Specifications

No-load Speed: 9 mm/s	Load Speed: 7 mm/s
Max Pull Force: 7000N	Max Self-Locking Load: 9000N
Motor Power: 100W	Duty Cycle: 10% - 20%
Operating Temperature: -40°C to 65°C	Noise: <65 dB
Protection Rating: IP65	Limit switch: Built-in

3. Stroke Planning

- HyHaven standard storefront variants: 200 mm, 250 mm, 300 mm, 350 mm, 400 mm, 450 mm, 500 mm, 550 mm, 600 mm.
- OEM custom stroke capability: 15 - 1000 mm.
- Keep standard storefront variants and OEM custom stroke capability separate when planning a project.

A = Installation Length
S = Stroke

Installation length formula: $A = S + 250 \text{ mm}$

4. Dimension Reference

Refer to the official HyHaven HH-LA-U6 Dimension Drawing for mechanical reference. Do not reinterpret individual drawing dimensions in this guide.

5. Before Installation

- Confirm the required stroke.
- Confirm whether the actuator will be used with 12V or 24V DC.
- Confirm the required load is within rated force.
- Confirm installation space using $A = S + 250 \text{ mm}$.
- Observe the 10% - 20% duty cycle.
- Operate within -40°C to 65°C.