

HH-LA-U3 Installation Reference V1

Installation reference for the HH-LA-U3 / 6000N / 1320 lbs heavy-duty linear actuator.

1. Product Identification

Model	HH-LA-U3
Voltage	12V / 24V DC
Max Push Force	6000N / 1320 lbs

2. Operating Specifications

No-load speed: 5 mm/s	Load speed: 3.5 mm/s
Max pull force: 4000N	Max self-locking load: 8000N
Duty cycle: 10% - 20%	Operating temperature: -20°C to 60°C
Noise: <40 dB	Protection rating: IP54
Limit switch: Built-in	

3. Stroke Planning

- HyHaven standard variants: 2", 4", 6", 8", 10", 12", 14", 16", 18"
- OEM custom stroke capability: 50 - 700 mm
- Treat standard stocked/configured variants and OEM custom stroke capability separately.

A = Installation Length
S = Stroke

Installation length formula: $A = S + 175 \text{ mm}$

4. Dimension Reference

Refer to the official HyHaven HH-LA-U3 Dimension Drawing for mechanical reference. Do not reinterpret individual drawing dimensions in this guide.

5. Before Installation

- Confirm required stroke.
- Confirm 12V or 24V version.
- Confirm required load is within rated force.
- Confirm installation space using $A = S + 175 \text{ mm}$.
- Observe the 10% - 20% duty cycle.
- Operate within -20°C to 60°C.