HyHaven

HH-LA-U3 Installation Reference V1

Installation reference for the HH-LA-U3 / 6000N / 1349 lbs heavy-duty linear actuator.

1. Product Identification

Model	HH-LA-U3
Voltage	12V / 24V DC
Max Push Force	6000N / 1349 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 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 mm.

• Observe the 10% - 20% duty cycle.

• Operate within -20°C to 60°C.