

KINESYS
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Kinesys Apex Hoist 500 Servo Spec Sheet

⌚ Sep 27, 2025 Knowledge

Title

Kinesys Apex Hoist 500 Servo Spec Sheet

URL Name

1260806685230-kinesys-apex-hoist-500-servo-spec-sheet

Summary ⓘ

Details

Kinesys Apex Hoist 500 Servo Spec Sheet

Key Features

- Ultra-smooth movement, precision speed and position control in compact package
- Dual low-noise, monitored brakes
- Complies with hoist safety standards of EN17206
- Integrated SIL3 rated load cell
- Control via Apex Drive V2
- Integrates with TAIT and Kinesys software platforms



Description

The Apex Hoist 500 Servo is a variable-speed electric chain hoist with a maximum speed of 610 mm/s and lifting capacity of 500 kg (1200 lbs). Its compact design and compliance with the industry's most rigorous safety standards such as EN17206 make the Apex Hoist 500 Servo suitable for a wide range of automation situations, including those that require movement over people.

Low-noise brakes, the ability to "hover" at zero-speed and ultra smooth movement allow the Apex Hoist 500 Servo to be used in environments where chain hoists were previously not suitable and to make the most complex of show moves a reality.

The integrated load cell ensures precise load monitoring without the need for external load monitoring systems.

In conjunction with the Kinesys Apex Drive V2, the Apex Hoist 500 Servo is able to log key data such as run time, maximum load, temperature and brake cycles. This ensures the hoist is not over-exerted, that regulatory requirements are being met and that maintenance schedules are being kept.

As part of the Kinesys Apex system, the Apex Hoist 500 Servo can be used with the full range of TAIT and Kinesys automation software platforms.

Specifications

Electrical

Rated Voltage	400 V $\pm 10\%$
Current	6A nominal, 10A peak
Motor	Synchronous servo
Drive Type	Closed loop servo

Connections

Power	5-pole, L21-30 cable (3 phase + 1 ground + 1 neutral)
Network	Apex Drive v2 NAV, Data and safety over Ethernet Compatible with ESA and RS4

Mechanical

Load	500 kg (1102 lbs)
Maximum Speed	610 mm/s (2 ft/s)
Acceleration	610 mm/s ² (2 ft/s ²)
Height of lift, standard	24 m (78.74 ft)
Height of lift, maximum	76 m (249.34 ft)

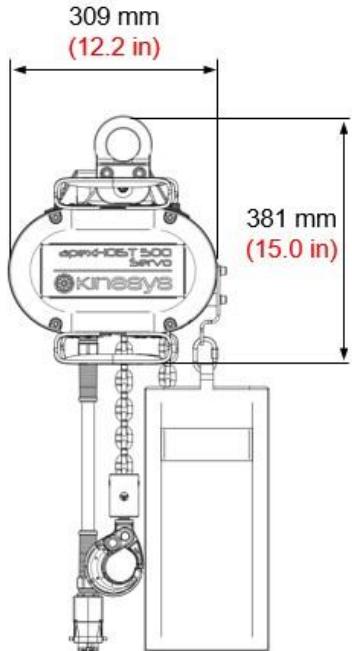
Construction

Dimensions (L x W x H)	643 mm x 309 mm x 381 mm (25.3 in x 12.2 in x 15.0 in) Excluding chain hook and other accessories
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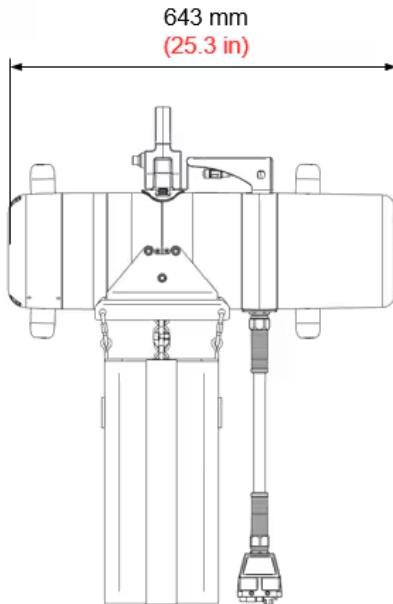
Weight	82 kg (180.0 lbs)
Chain	Size: 7.9 x 21.8 mm (0.3 x 0.86 in) Weight: 1.4 kg/m (0.94 lbs/ft)
Certifications	
Compliance	EU Machinery Directive, EU EMC Directive, DGUV 17 (BGV C1)
Safety	SIL3 (EN 62061) PLe (EN ISO 13849) EN17206 Use Cases 1-4

Dimensions

Front View



Side View



Still Have Questions?

If you have any questions at all--or if you're ready to rent--[please contact us](#) (<http://www.taittowers.com/contact/>). We look forward to hearing from you soon!

Disclaimer: These specifications are general guidelines only and may not be appropriate for your particular project. All product specifications and Data are subject to change without notice. Data, performance features, and images may vary from the final project quote. Issue date: 2025.01.29. Copyright 2025 TAIT Towers Manufacturing, LLC. All rights reserved.

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