Kinesys Apex Hoist 500 Spec Sheet

🕐 Sep 27, 2025 Knowledge

Title

Kinesys Apex Hoist 500 Spec Sheet

URL Name

4404305692699-kinesys-apex-hoist-500-spec-sheet

Summary ℹ

Details

Kinesys Apex Hoist 500 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 is a variable-speed electric chain hoist with a maximum speed of 500 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 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 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 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 can be used with the full range of TAIT and Kinesys automation software platforms.

Specifications

Software Compatibility

Control System	TAIT Navigator and iQ Kinesys Vector and K2

Electrical

Motor Phase	3 Phase + PE
Voltage	208/400/480 V nominal
Duty Cycle	Intelligent Duty Cycle management
Brakes	Dual, low-noise and monitored

Connections

Power, Network	Multi-function Harting connector
Drive Controller	Apex Drive V2

Mechanical

Load Capacity	8:1 Factor of Safety (FoS): 500 kg (1102.31 lbs) 10:1 Factor of Safety (FoS): 400 kg (881.85 lbs)
Speed	0-500 mm/s (1.64 ft/s)
Chain	Size: 7 mm x 22 mm (0.28 in x 0.87 in) Weight: 1.1 kg/m (0.75 lbs/ft)
Max. height of lift achievable	50 m (164.04 ft)

Features	Integral SIL3 rated loadcell, temperature monitoring

Construction

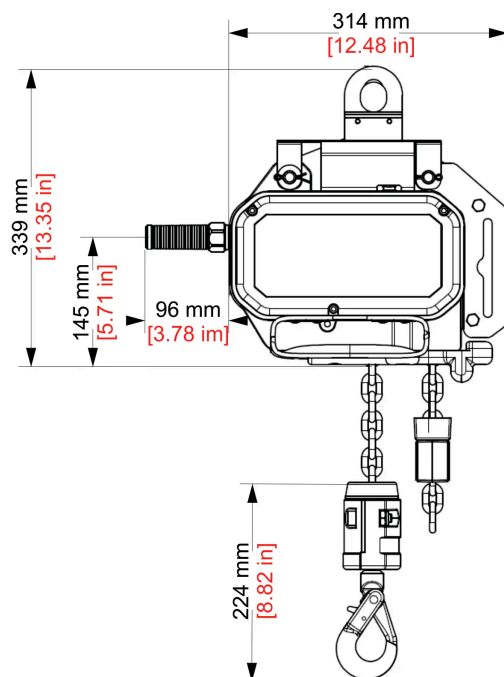|	
Dimensions (L x W x H)	640 mm x 317 mm x 339 mm (25.2 in x 12.48 in x 13.35 in) Excluding hook assembly
Weight	80 kg (176.37 lbs) with 24 m (78.74 ft) chain

Certifications

Compliance	EU Machinery Directive, EU EMC Directive, DGUV 17 (BGV C1
Safety	CE, EN17206 Use Cases 1-4

Dimensions

Front View

Top View

314 mm [12.48 in]
339 mm [13.35 in]
145 mm [5.71 in]
96 mm [3.78 im]
224 mm [8.82 in]

640 mm [25.2 in]
542 mm [21.34 in]
98 mm [3.86 in]
266 mm [10.47 in]
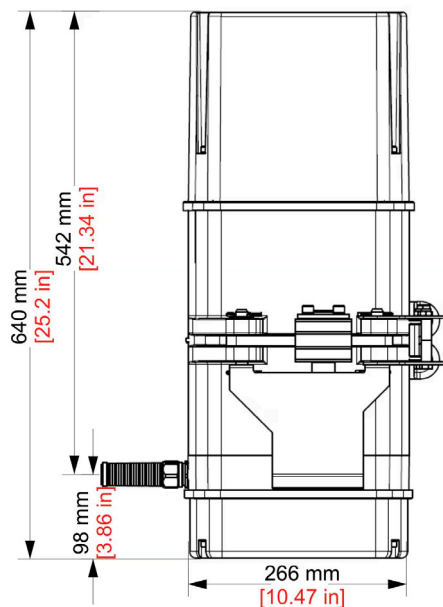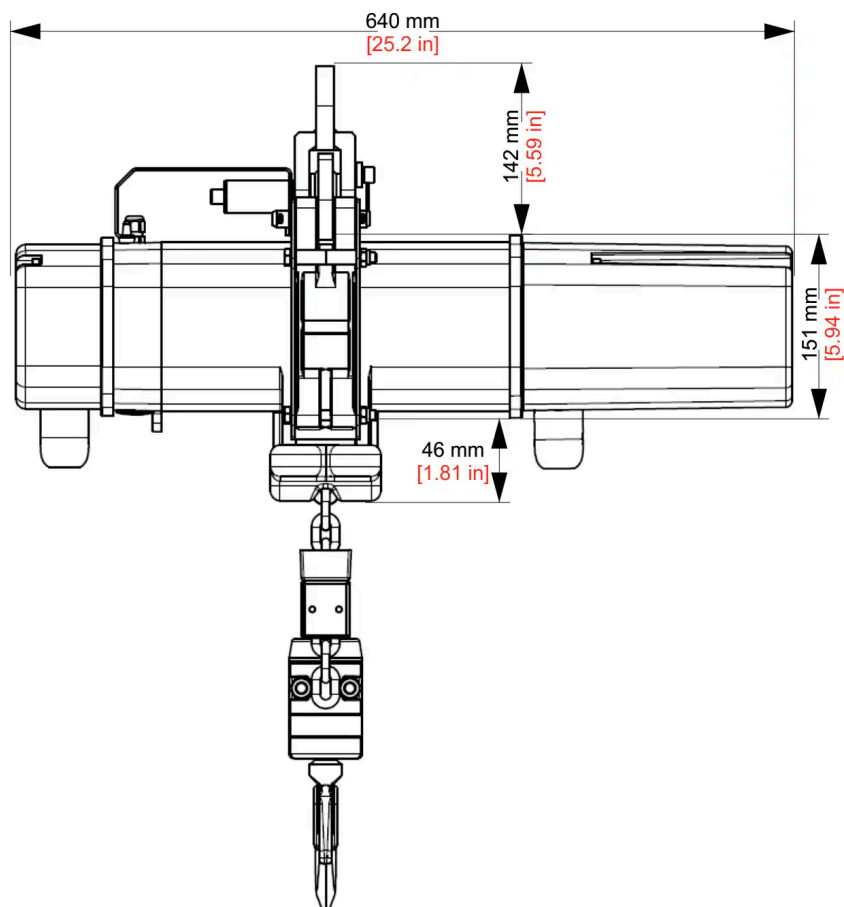
Side View

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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