Kinesys Sculptor Winch

Key Features

- Compact winch for lifting props and art installations
- Incorporates “zero-fleet” technology
- 1.5 mm Dyneema rope
- 4 kW servo motor with absolute encoder (EnDat)
- Control via Nav:Net and Ethernet
- Conforms to EN17206
- Up to 100% duty cycle achievable

Description

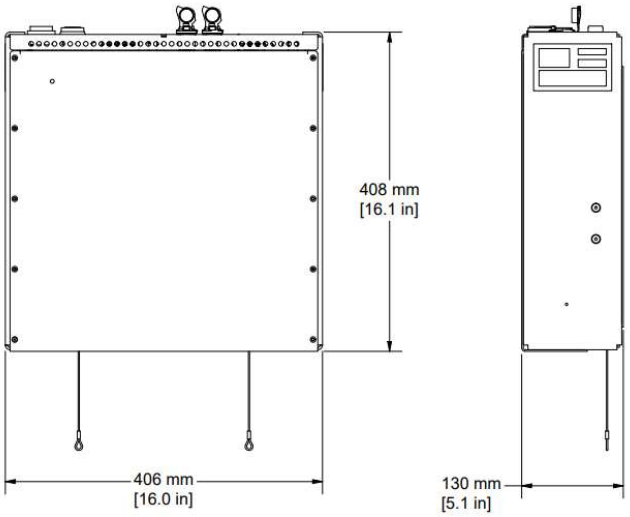
The Kinesys Sculptor Winch is a compact, lightweight, low-noise winch ideal for prop flying and kinetic art installations. The high safety rating enables the winch to lift objects over people if needed.

Conforming to EN17206, the winch features single and dual line options, a servo motor, an absolute safety encoder, brake monitoring, initial and ultimate limits, and zero-fleet technology.

The winch uses onboard Nav:Net safety communications (via Beckhoff I/O) and can be controlled as a single unit or in a system of multiple units via TAIT Navigator software and consoles.

High duty cycles up to 100% are achievable due to the long lifetime of the winch components.

Dimensions



Specifications

Characteristics	
Max duty cycle	100% (continuous operation 24/7)
ELL	6 kg (13.2 lbs)
Vertical travel (Stroke)	9 m (29.5 ft) of useable travel
Max speed	0.7 m/s (2.3 ft/s)
Min speed	0 m/s
Payload position repeatability	± 0.5 mm
Rope type	1.5 mm diameter
Rope quantity	2
Suspension	2 x M12 mounting threads on top surface
Physical	
Dimensions (H x W x D)	408 mm x 406 mm x 130 mm (16.1 in x 16.0 in x 5.1 in)
Weight	22 kg (48.5 lbs) (excl. rope and payload)
Electrical	
Voltage / frequency	Single phase, 208 - 240 V, 50-60 Hz
Current	Standby: 0.15 A Running peak: 1.5 A
Connectors	Mains In / Out (Neutrik True1) NavNet In / Out (Neutrik Ethercon) x 2
Max no. of daisy-chained winches	13 (Power) Unlimited (Data)
Motor type	Servo
Drive	Built in (no external drive required)
Safety features / compliance	
Compliance	SIL3 (EN61508), EN17206:2020
Approvals	CE (LVD, EMC, RoHS), UL 1340
Brakes	Dual low-noise (monitored)
Limits	2 x Ultimate, 2 x Initial Direct struck non-adjustable carriage limits

Manufactured in the United Kingdom by Kinesys Projects Limited.

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A TAIT Company

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.

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