

Pegasus



Power Flying

The award-winning Pegasus Power Flying System, comprising the Alpha, Beta, and Delta hoists, is designed to complement the award-winning Impressario stage automation system, so that AVW can offer the complete power flying solution.

In collaboration with respected mechanical design engineer Mike Barnett MBE and Karris Engineering, AVW has designed a range of hoists for use in theatre and entertainment venues, primarily for lifting scenery, lighting bars and curtain tracks. The Alpha, Beta, Delta and Omega have a range of options to fit every conceivable requirement.

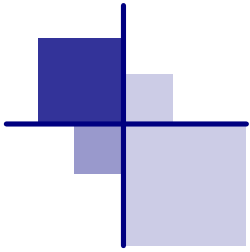
Winner of the ABTT
Engineering Product of the Year 2006

“The complete power flying solution”

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Pegasus Power Flying Solution

Alpha Power Hoist

The Pegasus Alpha hoist is a fully featured multi-line helical-grooved drum hoist with fleet compensation, double silent monitored brakes that will lift loads of up to 500kg at speeds of up to 1.8 m/s and can mount at 300mm centres. The hoist can have as many lines as required (typically five or six). Optional features are constant weight monitoring, slack rope detection and cross groove detection.



Traveling sheave for fleet compensated fast multi-wire payout

500kg payload with 1.8m/S speed as standard

Better than 1mm positional accuracy

Load cell for constant measurement of actual load

DIN56950, BS7905 compliant mechanical design

DIN56925 compliant silent double brakes (<55dB)

Brake monitoring,

Incremental and absolute encoder options

Slack rope detection option

Motor temperature monitoring option

Direct struck over-travel limit switch

Mounts at 300 mm centres horizontally or vertically

Noise level is 68dB at 1 meter when lifting 250kg at 1.8m/S

Beta Counterweight Assist Hoist

The Pegasus Beta counterweight assist hoist is used to convert traditional counterweight systems to powered flying. The Beta is a fleet compensated winch that mounts on 200mm centres and powers a replacement steel wire hauling line. Typically a 300kg counterweight system will be left half loaded and the Beta hoist will power the out of balance load, i.e. +/- 150kg. Optional features are constant weight monitoring, slack rope detection and cross groove detection.

Delta Point Hoist

The Delta point hoist is a fully featured helical drum hoist with fleet compensation, double silent monitored brakes that will lift loads of up to 250kg at speeds of up to 1.2 m/s. The Delta can be easily manoeuvred on a theatre or television studio grid. Optional features are constant weight monitoring, slack rope detection and cross groove detection.