



STANDARD HOIST MODULE—EVS2020

Vortek^{fi} Standard Series hoist modules represent the most economical path to purchasing a Vortek^{fi} system. The Vortek^{fi} Standard series delivers basic control for up and down movement, with limited grouping features. Fundamental to every Vortek^{fi} system is our patented load brake, and Vortek^{fi} Standard is no exception. The added safety of Vortek's fully mechanical, continuously applied dual braking device, stands ready to prevent potential free fall conditions, and is a standard feature on Standard. Available in different speeds and loads, with optional overload and underload, the Vortek^{fi} Standard Series stands ready to address the basic requirements of your theatre rigging.

PRODUCT FEATURES

SPEED:	0 0.1 m/s
LIFTING CAPACITY:	0 900 kg (*1)
TRAVEL DISTANCE:	Standard Travel 18.9 m Additional travel distance available upon request
DIMENSIONS:	Length: 3.88 m Height: 49 cm Does not include backbone stiffener height Width: 22.8 cm
WIRE ROPE LIFT LINES:	³ / ₁₆ 7X19 Galvanized Aircraft Cable run to a single Nylatron drum
WEIGHT:	295 kg (*2)

(*1) Lifting Capacity does not include weight of batten or any other material hanging on Vortek^{fi}.

(*2) Weight may vary depending on model and components applicable to your project.

STANDARD HOIST MODULE—EVS2020 (CONTINUED)

SAFETY



Every Vortek^{fi} hoist comes equipped with dual braking systems. A continuously engaged, strictly mechanical load brake and an electro-magnetic motor brake rated at a minimum of 150% of the motor's rated torque.



Two levels of limit switch protection in both the up and down direction. Vortek^{fi} Standard delivers Redundant (2) upper hard struck limit switches - Redundant (2) lower hard struck limit switches.



Maintained mushroom head e-stop at control station: Standard with every control system.

1. Every Vortek^{fi} hoist system is built to lift line standards of 10:1 design factor.
2. Glass filled Nylatron drum features helical grooves which fully envelops lift lines to insure positive tracking and avoid pile winding wire rope. Glass filled Nylatron is less abrasive to wire rope than steel drums as noted by SAE. Nylatron is quieter than steel.
4. Grouping and underload / overload, are both available as options with the Vortek^{fi} Standard series.
5. Wireless Remote with e-stop is also available as an option.

NOISE RATING

1. Acoustical barrier significantly lowers audible noise from escaping the enclosure. 6 decibels over ambient noise level with no outstanding frequencies. (Test data can be found at www.vortekrigging.com/projectcentral)

FIRE RESISTANCE

1. Acoustical Cover: Self-extinguishing fire retardant thermoplastic that holds a UL94-V0-5VA flammability rating. This is the most flame retardant UL94 rating for any material available today.
2. Loft Block: Self-extinguishing, molded, glass-reinforced, heat stabilized nylon 66 resins. This material has been tested to ASTM D 648 and ASTM D 3418 standards and holds a UL94-HB flammability rating.

ELECTRICAL

1. Hoist modules are available to connect 3-phase 200-240 or 380-480 VAC +/- 5%, 50/60 Hz power to each Vortek^{fi} hoist module as specified in the system riser drawing. (Wireways are an option and available from Vortek^{fi} upon request).

