

Titan[®]

Hoist



Titan is a high-performance hoist for applications requiring large capacity, speed and/or long travel. Titan is a customizable pre-engineered hoist – it is engineered and manufactured to your requirements yet provides the economic benefits of an “off-the-shelf” system.

Capability

- Speed: Up to 650 fpm (3.3 m/s)
- Travel: Up to 8 lines @ 90 ft. (27.4 m)
Up to 10 lines @ 67 ft. (20.4 m)
- Gross Capacity: Up to 3,300 lb (1,496 kg)
- Max batten length: 96 ft. (29.3 m)

Features

- Integrated gearmotor and brake provide proven reliability and feature an iron case for vibration and noise control.
- Reliable head block with nylon sheaves provide long, trouble-free life and meet or exceed wire rope manufacturer recommendations.
- Zero-fleet design allows for a compact, efficient hoist. Pre-loaded chase rollers ensure cables stay in grooves.
- Closed loop vector drives provide pinpoint accuracy.
- A complete suite of load and safety features is available including slack line, over/under load, and cross-groove detection. Load monitoring, acoustic dampening, and safety covers can also be added.
- Hoists can be mounted vertically or horizontally. For theatres without grids, vertical mounting can save space and offers easier access for maintenance.
- Steel backbone adapts to your mounting and load requirements.
- 16" (406 mm) Set Centers: All hoists on one side of stage.
- 8" (203 mm) Set Centers: Alternate hoists on both sides of stage.
- ANSI E1.6.1 Compliant.
- Quick-connect clamps – upright, underhung, vertical.
- Encoder for precise target.
- Quiet operation.



Safety

- **Dual braking system** with a primary brake on the motor and an independent SureBrake[®] II operating directly on the drum shaft. SureBrake II is spring applied and electrically released for maximum safety.
- **Emergency-stop system** meets NFPA 79 (Electrical Standard for Industrial Machinery) with ramped stops for high speed equipment to reduce mechanical shock loads.
- **Two levels of limit switches** with normal travel and over travel switches using separate, redundant circuits for added safety.
- **Loft block idlers** contain individual grooves to keep lines contained, prevent binding, friction, and eliminate rubbing of adjacent lines.
- **Touch safe** interior of all electrical enclosures guards to prevent contact with live components, per IEC 204-1 Protection.

Control Options

- Titan works with the entire range of J.R. Clancy motion control systems.

Loft Block Options

- 1/4" Universal Series upright or underhung
- 1/4" 19 Series underhung

Batten Termination Options

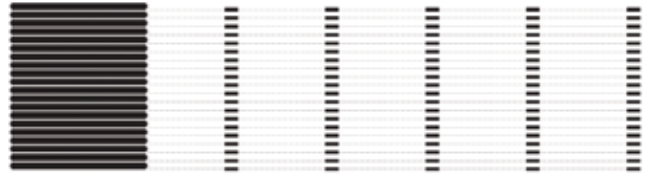
- Trim Chain
- Pipe Clamp and Turnbuckle
- Batten Trim Plate
- Batten Trim Clamp

Batten Options

- 1.5" (48 mm) Schedule 40 batten
- 1.5" (48 mm) Schedule 80 batten
- 1.5" (48 mm) Schedule 40 truss batten

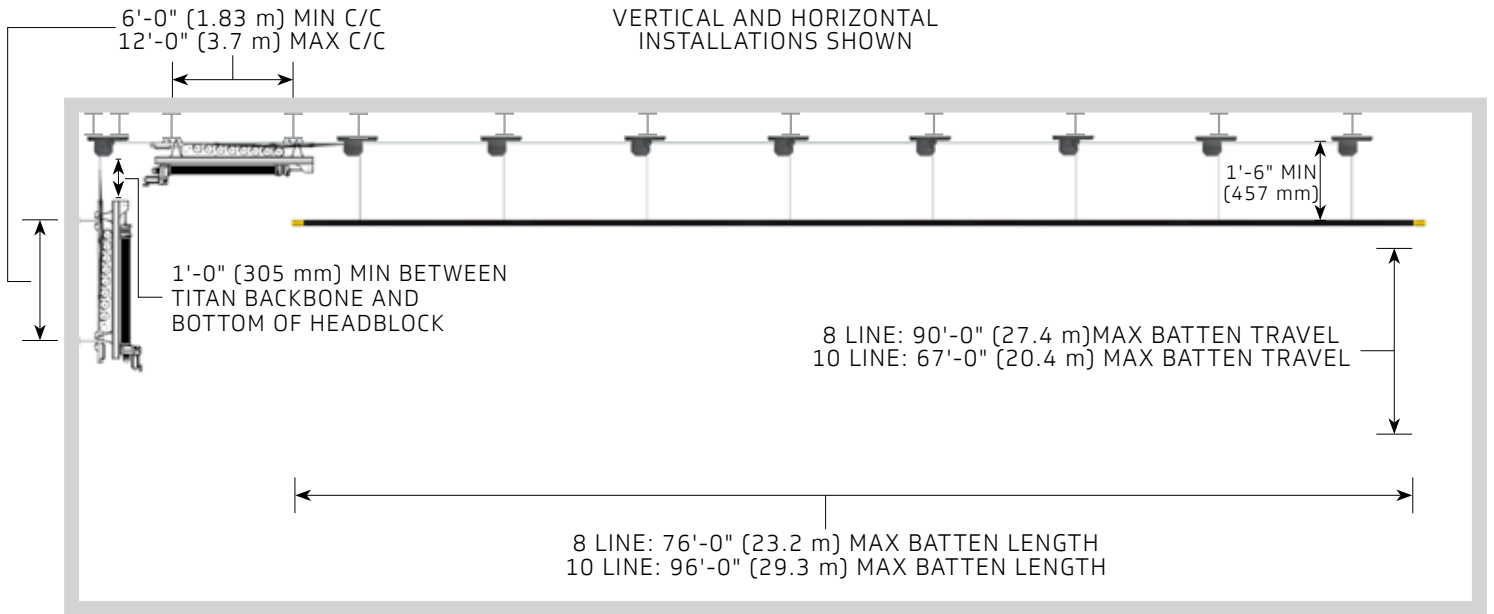
Mounting Configurations

16" (406 mm) Set Centers: All hoists on one side of stage



8" (203 mm) Set Centers: Alternate hoists on both sides of stage

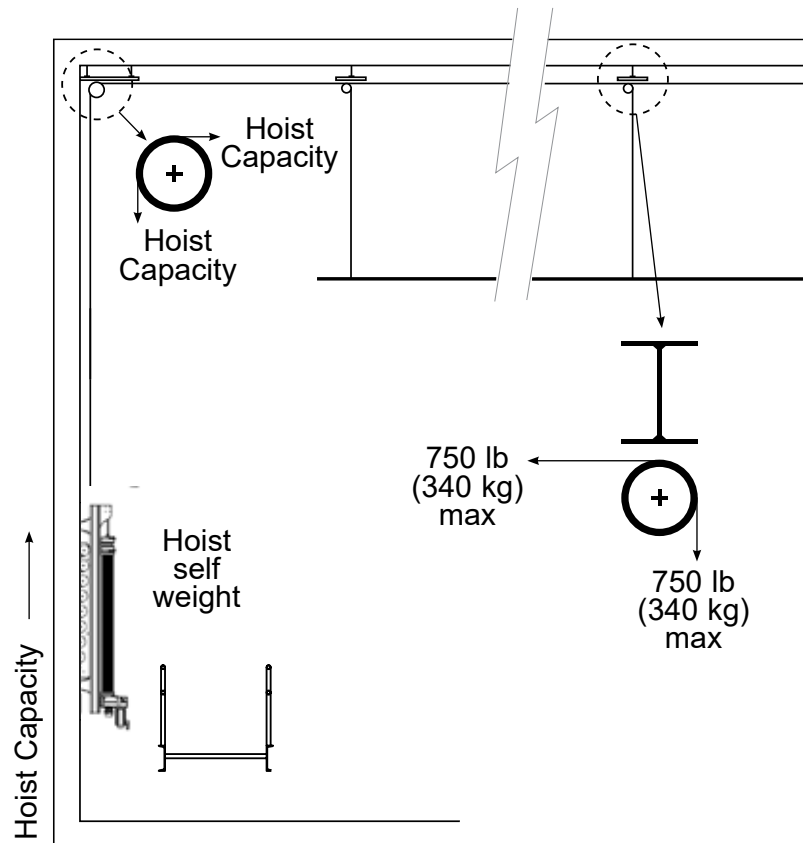




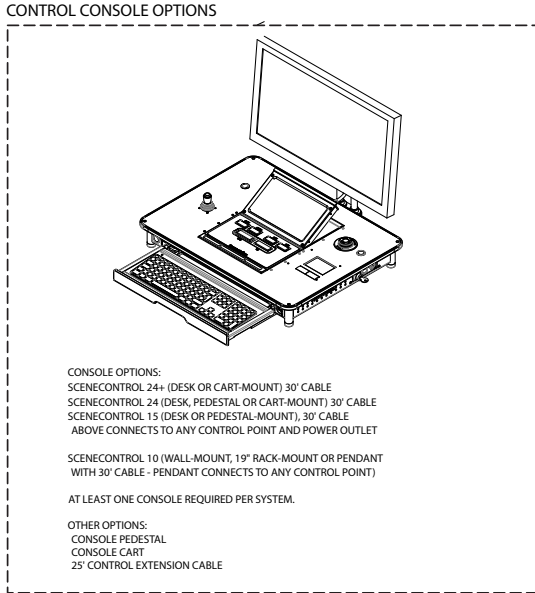
Product CAD files and other documents available for download on our website. jrclancy.com/titan-high-performance-hoist.php

Loading Information

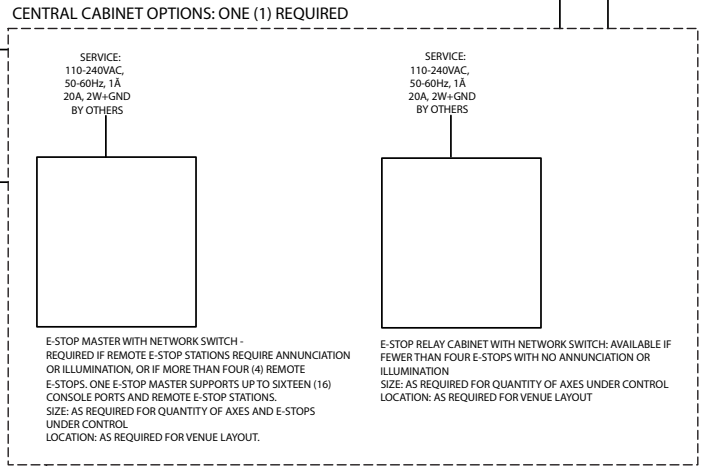
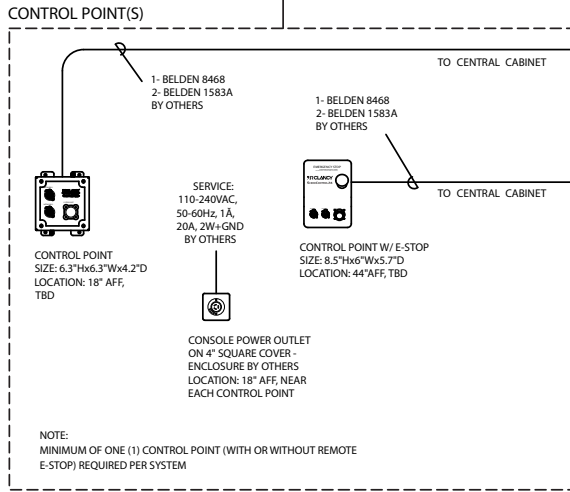
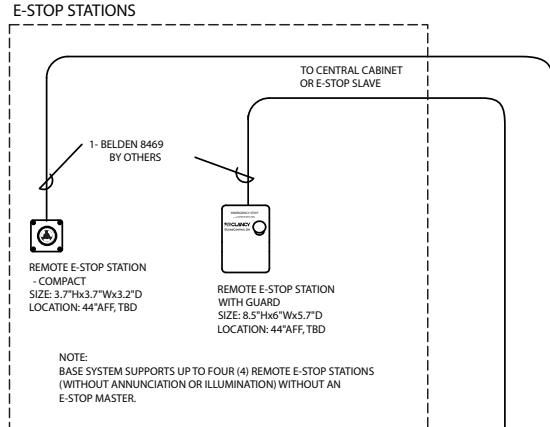
Loft Block: (Typical of 7) The combined load on the loft blocks associated with a single Titan hoist will not exceed the hoist capacity. Loads may be unevenly distributed on the batten with a maximum load of 750 lb (340 kg) on any individual loft block. Hoists are not recommended to be used for lifting people.



Titan Riser — Typical



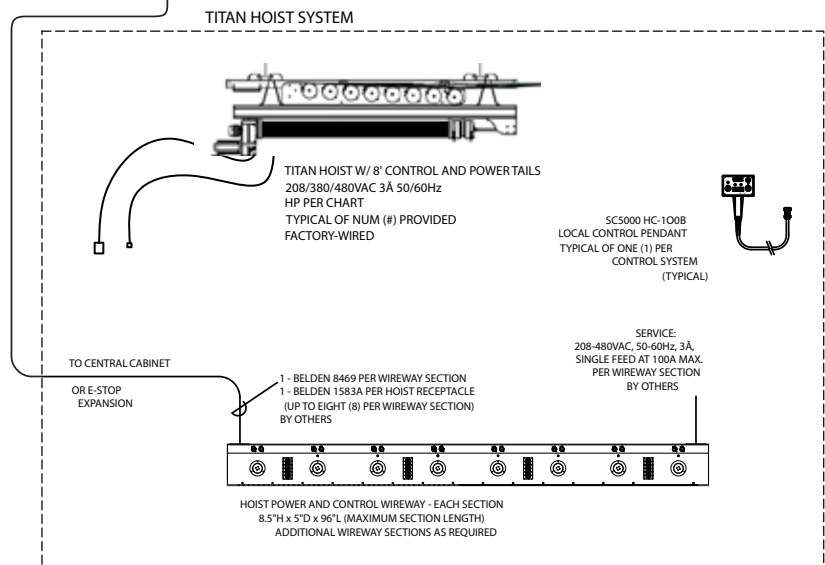
Power and Wiring Information: Titan is available for virtually any 3-phase voltage worldwide. Control wiring is dependent on your control system.



Electrical Requirements

Model	Current Draw		
	208 V Supply	380 V Supply	480 V Supply
018-T0224	7.8 A	4.6 A	3.6 A
018-T0233	10 A	6 A	4.8 A
018-T2022	-	67 A	53 A
018-T2030	-	90 A	70 A
018-T2633	-	115 A	90 A
018-T3413	-	62 A	50 A
018-T3417	-	80 A	63 A
018-T4022	-	125 A	100 A
018-T6514	-	130 A	105 A

* Other voltage configurations available. Contact us for additional details.



Warranty and Support

Three-Year Warranty against defects in materials or workmanship is provided on all J.R. Clancy equipment. Our warranty is contingent on operation by trained personnel and an annual equipment inspection of a J.R. Clancy authorized technician.

24/7 factory technical support with additional service and assistance provided by a worldwide network of J.R. Clancy authorized dealers.

Inspection and maintenance are available through J.R. Clancy's T.I.M.® (Training, Inspection, Maintenance) Program.

Ordering Information

Model Number	Hoist Speed	Hoist Capacity
018-T0224	20 fpm (0.1 m/s)	2,400 lb (1,089 kg)
018-T0233	20 fpm (0.1 m/s)	3,300 lb (1,497 kg)
018-T2022	200 fpm (1.0 m/s)	2,200 lb (998 kg)
018-T2030	200 fpm (1.0 m/s)	3,000 lb (1,361 kg)
018-T2633	260 fpm (1.3 m/s)	3,300 lb (1,497 kg)
018-T3413	340 fpm (1.7 m/s)	1,300 lb (590 kg)
018-T3417	340 fpm (1.7 m/s)	1,750 lb (794 kg)
018-T4022	400 fpm (2.0 m/s)	2,200 lb (998 kg)
018-T6514	650 fpm (3.3 m/s)	1,400 lb (635 kg)

Additional Information

For more information on Titan, visit jrclancy.com to access:

- Detailed structural loading
- Specifications
- Electrical risers diagrams