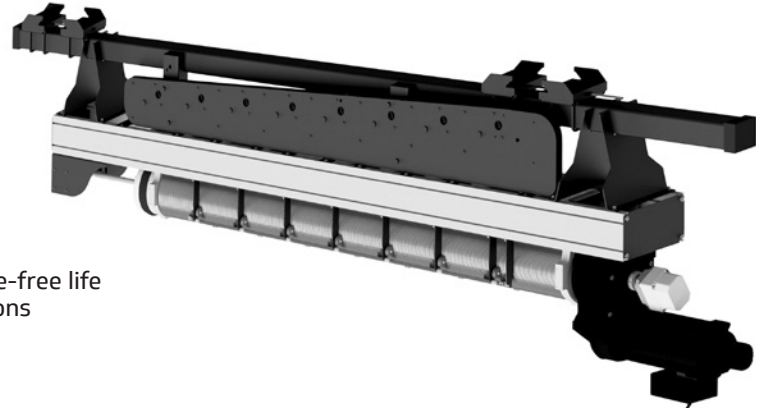


Titan® Hoist

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.



Features

- Integrated gear motor 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. Preloaded 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

Capability

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

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

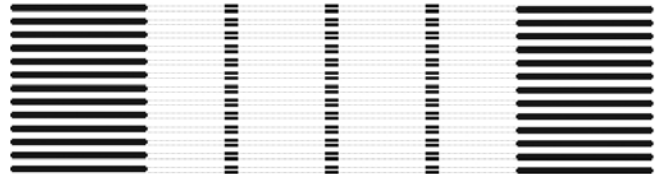
Batten Options

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

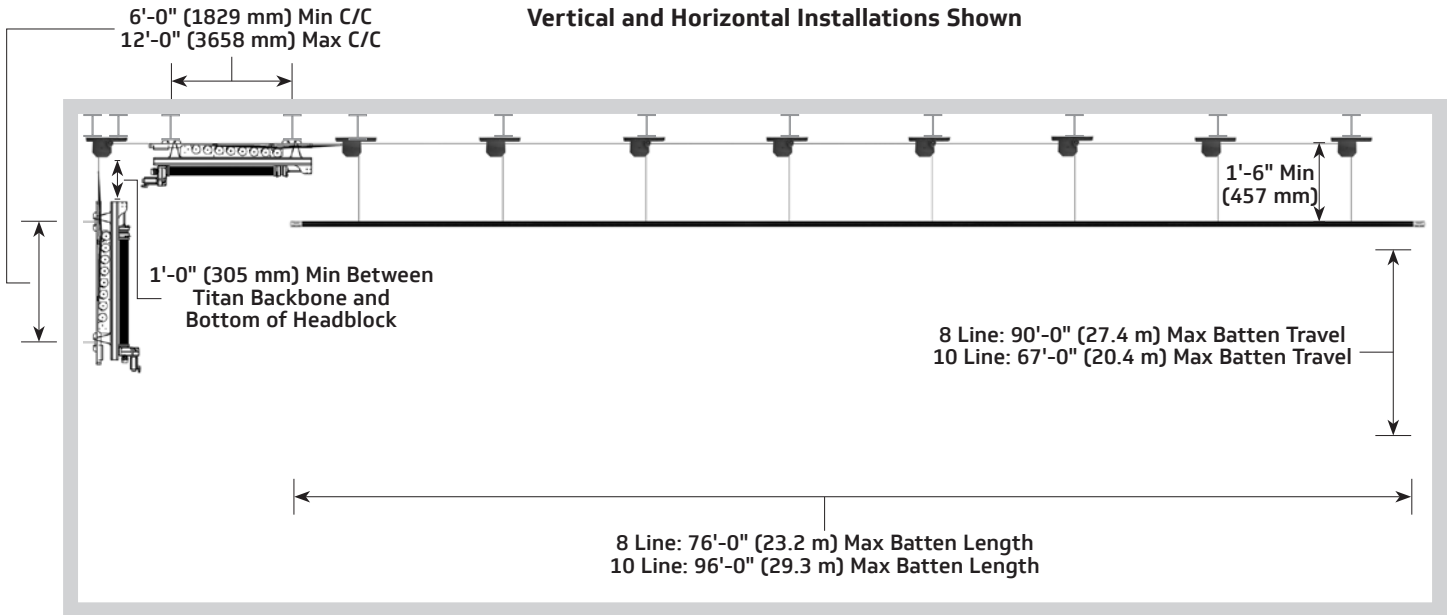
Mounting Configurations



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

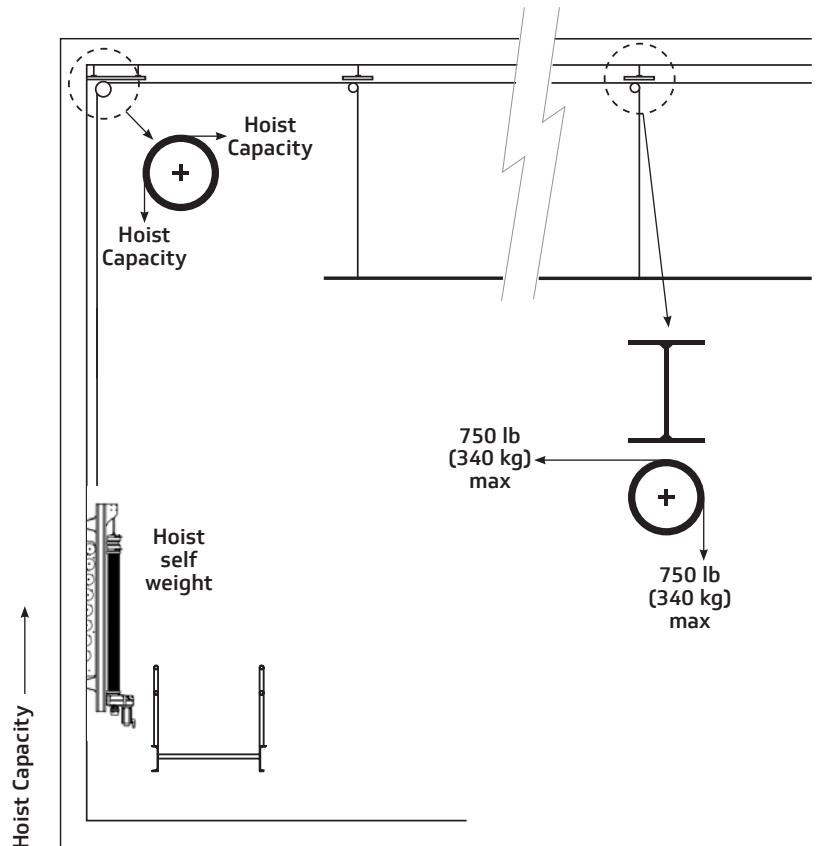


8" (203 mm) Set Centers 8"
Alternate hoists on both sides of stage



Loading Information

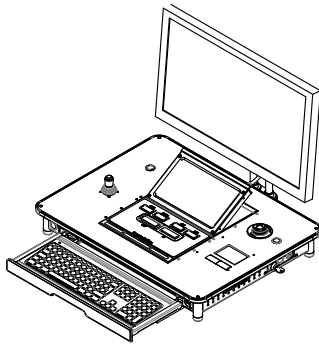
Loft Block: (Typical of 7) The combined load on the loft blocks associated with a single Titan Hoist will not exceed the hoist capacity. Loads may be unevenly distributed on the batten with a maximum load of 750 lb (340 kg) on any individual loft block. Hoists are not recommended to be used for lifting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

CONTROL CONSOLE OPTIONS



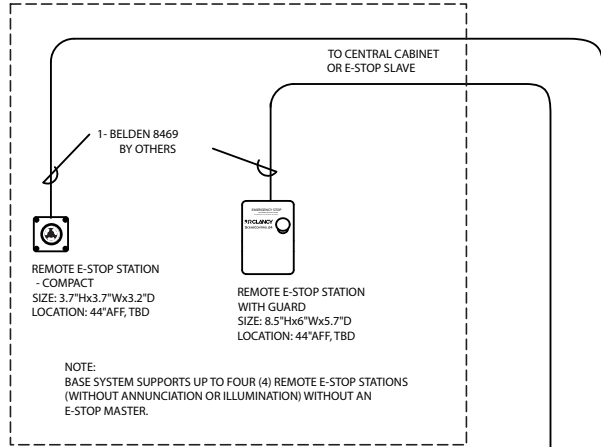
CONSOLE OPTIONS:
 SCENECONTROL 24+ (DESK OR CART-MOUNT) 30' CABLE
 SCENECONTROL 24 (DESK, PEDESTAL OR CART-MOUNT) 30' CABLE
 SCENECONTROL 15 (DESK OR PEDESTAL-MOUNT), 30' CABLE
 ABOVE CONNECTS TO ANY CONTROL POINT AND POWER OUTLET

SCENECONTROL 10 (WALL-MOUNT, 19" RACK-MOUNT OR PENDANT
 WITH 30' CABLE - PENDANT CONNECTS TO ANY CONTROL POINT)

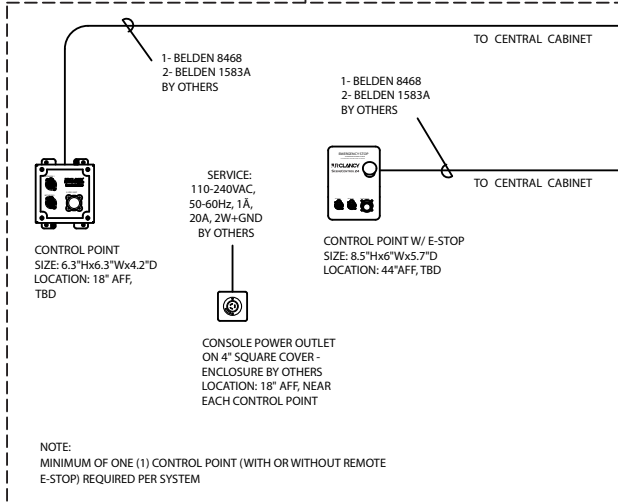
AT LEAST ONE CONSOLE REQUIRED PER SYSTEM.

OTHER OPTIONS:
 CONSOLE PEDESTAL
 CONSOLE CART
 25' CONTROL EXTENSION CABLE

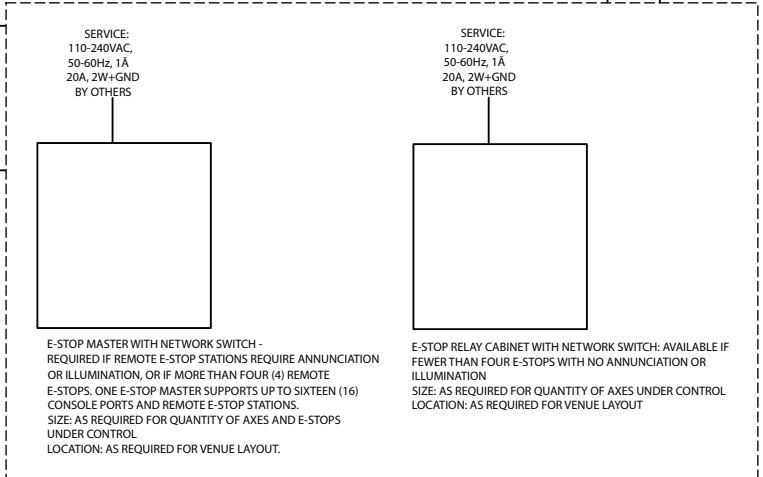
E-STOP STATIONS



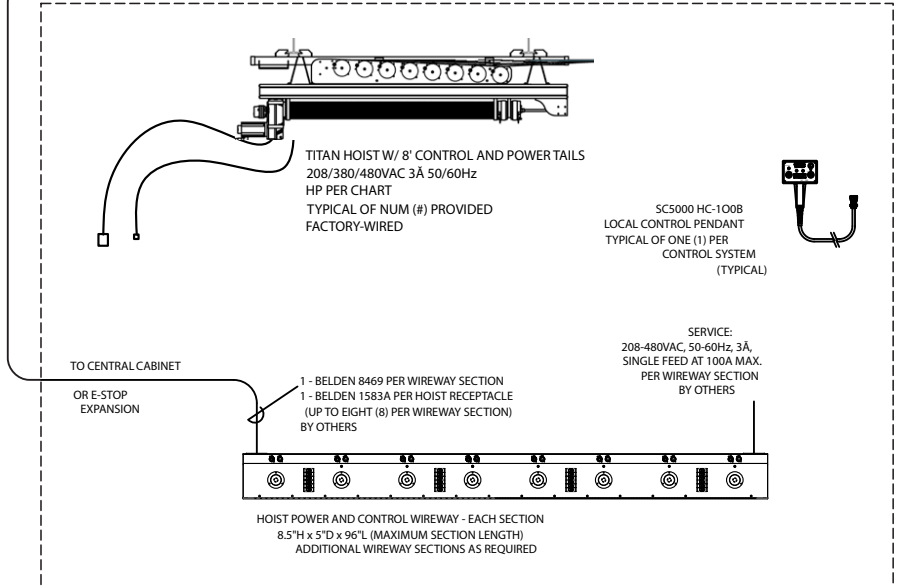
CONTROL POINT(S)



CENTRAL CABINET OPTIONS: ONE (1) REQUIRED



TITAN HOIST 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



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