

**Sturdy Aluminum Backbone**

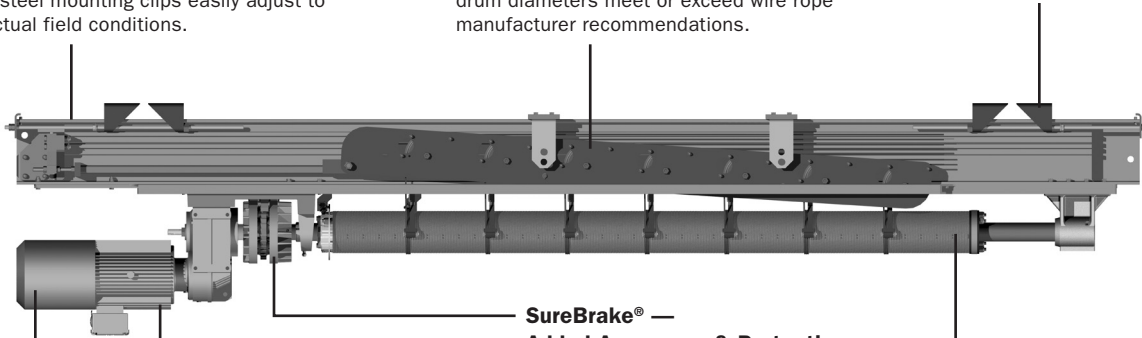
Adapts safely to your mounting requirements—no external strengthening members required. Robust steel mounting clips easily adjust to meet actual field conditions.

**Trouble-free Head Block**

Nylatron sheaves offer proven reliability for long, trouble free life. Sheave and drum diameters meet or exceed wire rope manufacturer recommendations.

**Versatile Mounting Clips**

Encompass a tremendous range of beam spacing and flange widths.



**Quiet, Secure Braking**

Engineered specifically for use in theaters.

**Quiet, Reliable Gearmotor**

Gearbox, motor, and primary brake are an integrated unit providing proven reliability. It's been our standard for 25 years—and for thousands of winches! Iron case for vibration and noise control.

**SureBrake<sup>®</sup> — Added Assurance & Protection**

SureBrake is a second brake that instantly protects against runaways. It's an improved version of the Weston load brake, which has been used for 125 years to secure overhead loads.

**Compact Moving Drum**

Allows for a small, efficient winch. Preloaded chase rollers ensure cables stay in grooves.

**PowerLift**

An economical, motorized hoisting system for lighting, curtains, scenery, orchestra shell ceilings, and other theatrical equipment.

**Models**

MODEL	SPEED	CAPACITY	HP	WEIGHT	TRAVEL	LIFT LINES	CONTROL
018-P0220	20 fpm	2,000 lbs.	1.5	750 lbs.	Up to 65'	Up to 7 lines 3/16" Galvanized Utility Cable	Push Button Station
018-P0220F			1.5	750 lbs.			SceneControl <sup>®</sup> Console
018-P1212V	0 – 120 fpm	1,250 lbs.	5	770 lbs.			
018-P1220V		2,000 lbs.	7.5	800 lbs.			
018-P1812V	0 – 180 fpm	1,250 lbs.	7.5	800 lbs.			

**Applications**

High capacity fixed speed hoists are used for lighting, shell ceilings, and other utility sets that do not move during a performance. Push button controls are available, or SceneControl<sup>®</sup> consoles provide programmable position control.

Variable speed sets are used for scenery, curtains, and other elements that move for dramatic effect during a performance. These are controlled from a SceneControl console so that multiple hoists may be moved precisely.

0 – 120 fpm units are generally used in middle and high schools, and community theatres, typically with fly tower less than 50' high.

0 – 180 fpm units provide additional versatility for performing arts high schools, colleges and universities, and regional theatres.

The 1,250 lb. capacity hoists are typically used for batten lengths of up 40' – 45'; the higher capacity hoists are used with battens up to 60' long.

## Features

**Quality Management** – J.R. Clancy’s ISO 9001:2000 certified quality management system ensures consistency and excellence in engineering, manufacturing, project management, sales, and customer service.

**Technical Support** is available 24/7/365 from the factory. Additional support is provided by a worldwide group of established J.R. Clancy dealers.

## Safety

**Dual Brakes** include a primary “fail safe” brake at the motor backed up by the SureBrake<sup>®</sup>, a load brake that is always applied for added security.

**Two Levels of Limit Switches** are set for your specific site conditions. The normal travel and over travel switches use separate, redundant circuits for added security.

**E-Stop System** meets NFPA 79 “Electrical Standard for Industrial Machinery”, including ramped stops for high speed equipment to reduce mechanical shock loads.

**Deadman Controls** (“hold to run”) in conformance with NFPA 79 “Electrical Standard for Industrial Machinery,” ensure the operator is present when movement is taking place.

**Maintenance Light** – Regular service is necessary for safety and equipment life for all moving machinery. J.R. Clancy control systems have a maintenance light, indicating when regular system service is required.

**Loft Blocks** have idlers containing individual grooves for each on-going line to prevent tangles and unnecessary rubbing of adjacent lines.

**208, 230, or 460 Volts** units are available without the need for expensive, bulky transformers. 380V 50Hz units are also available.

**Motors Rated to Lift the Load** have a 1.0 service factor, so they can lift the load every time – not just some of the time.

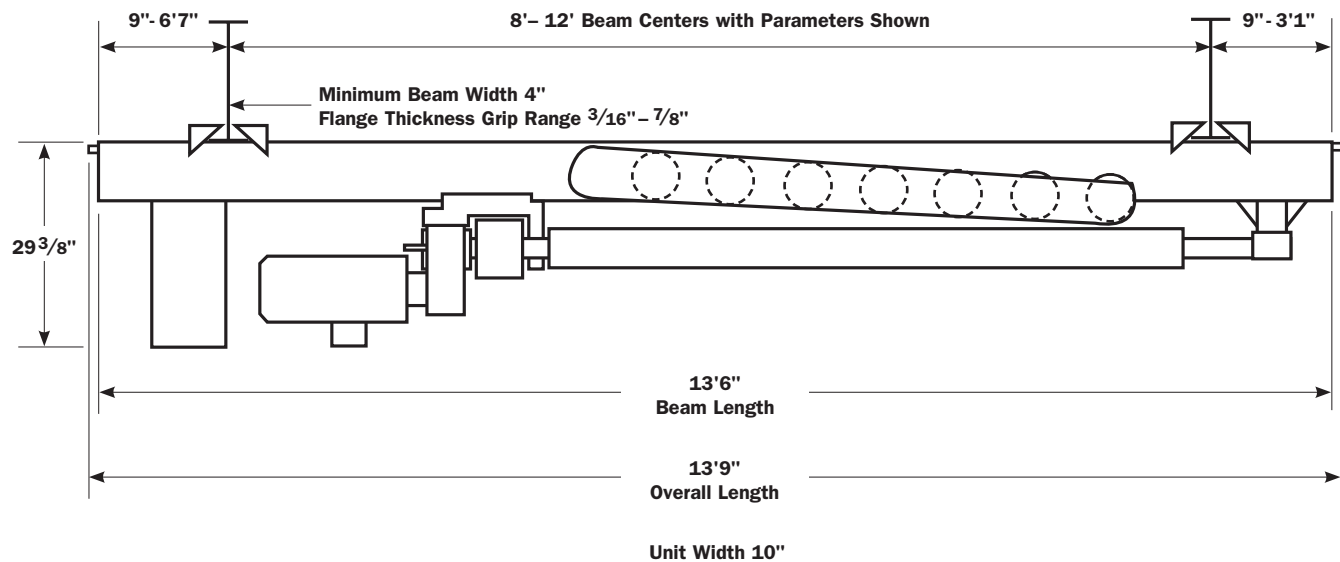
**Touch Safe** means the interior of all electrical enclosures are guarded to prevent touching live components, per IEC standard.

## Options

**Covers** are available for PowerLift hoists.

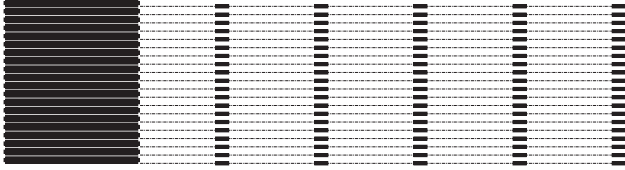
**Load Cells** and monitoring software can detect snags and bumps, reducing the probability of accidents.

## Dimensions

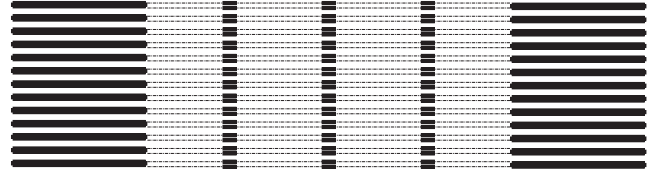


**Mounting**

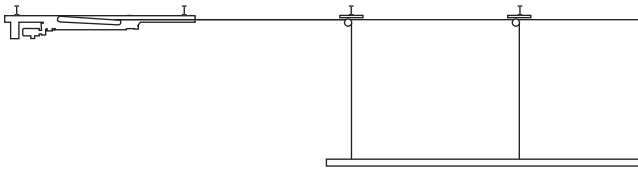
**10" Set Centers** are possible with all winches on one side of the stage



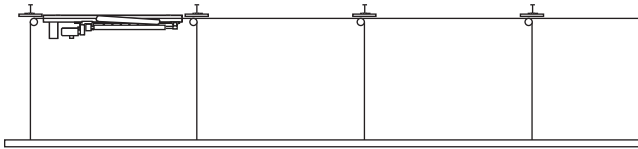
**7" Set Centers** are achieved by alternating winches on both sides of the stage



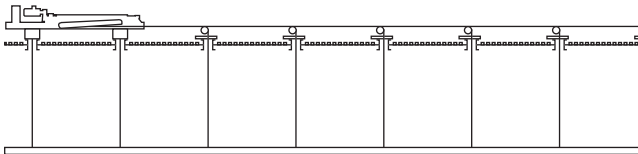
**Underhung Offstage**



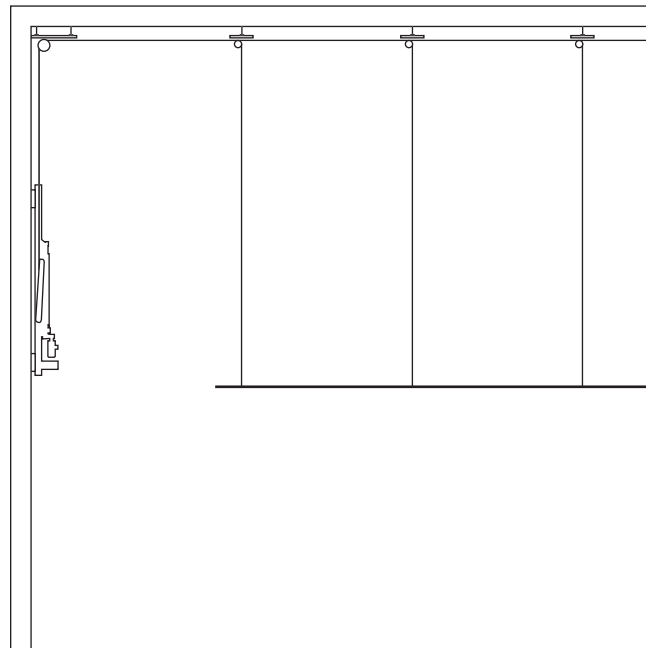
**Underhung Onstage**



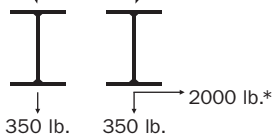
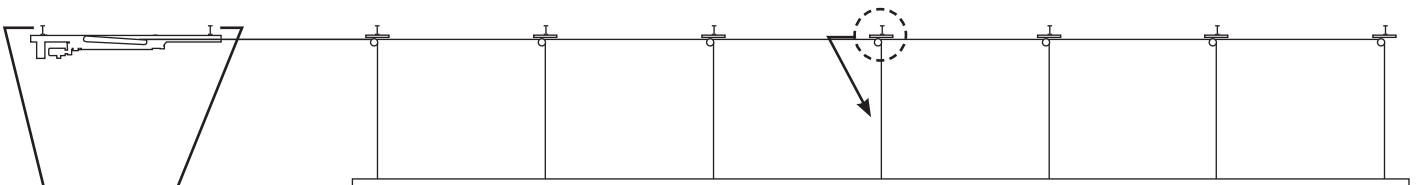
**Upright on Grid (cover required)**



**Vertical**

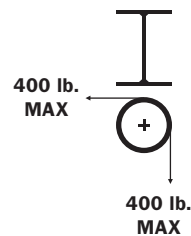


**Structural Loading**



**Winch Support Beam**

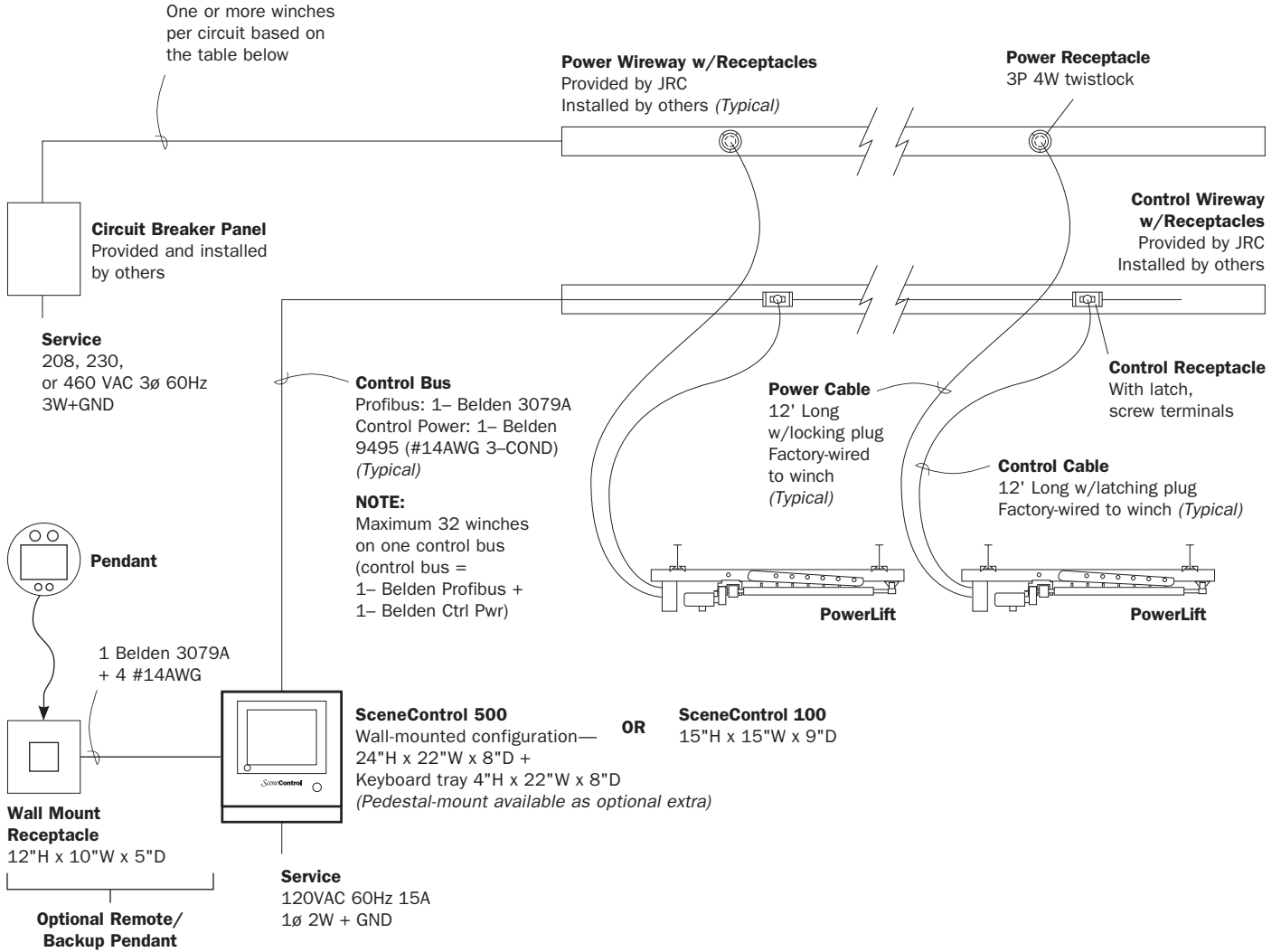
\*Based on 2000 lb. capacity winch. This horizontal load may be shared with the off stage beam. Worst case is shown. Bottoms of these two beams must be at the same elevation.



**Loft Block (Typical of 7)**

The combined load on the loft blocks associated with a single PowerLift winch will not exceed the winch capacity. Loads in theatres may be unevenly distributed with a maximum load of 400 lb. on any individual loft block.

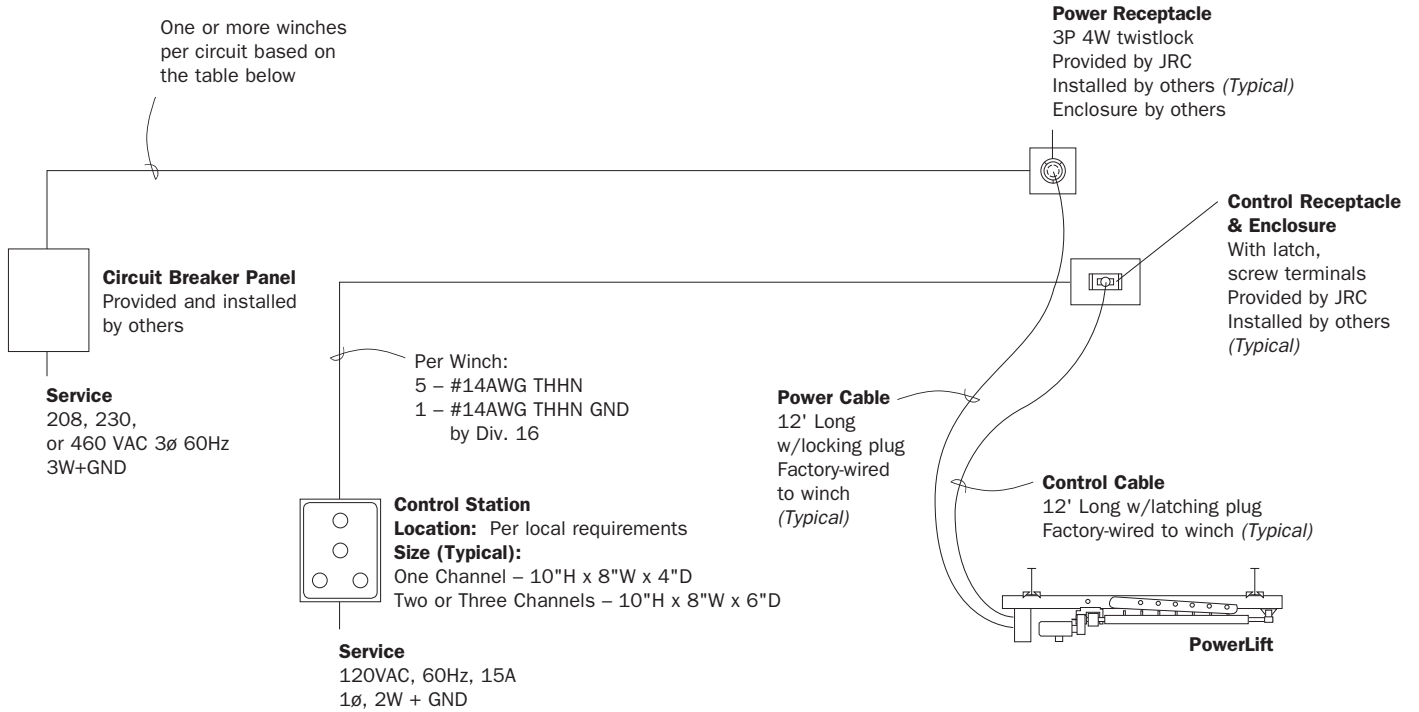
**PowerLift/SceneControl® One Line Riser — Typical**



**PowerLift Electrical Requirements**

MODEL	SPEED, CAPACITY	HP	CURRENT DRAW		
			208 V	220 - 240 V	440 - 480 V
018-P0220(F)	20 fpm, 2000 lbs.	1.5	5.3 A	4.8 A	2.4 A
018-P1212V	0-120 fpm, 1250 lbs.	5	15 A	13.7 A	6.8 A
018-P1220V	0-120 fpm, 2000 lbs.	7.5	20.6 A	18.7 A	9.4 A
018-P1812V	0-180 fpm, 1250 lbs.	7.5	20.6 A	18.7 A	9.4 A

**PowerLift with Push Button Control One Line Riser — Typical**



**PowerLift Electrical Requirements**

MODEL	SPEED, CAPACITY	HP	CURRENT DRAW		
			208 V	220 - 240 V	440 - 480 V
018-P0220(F)	20 fpm, 2000 lbs.	1.5	5.3 A	4.8 A	2.4 A