

PowerLift® Automated Rigging

PowerLift® is an economical, high performance, automated hoisting system available in fixed or variable speeds. It's versatile mounting system enables PowerLift to be installed in virtually any space.

- Speed: Up to 180 fpm (0.9 m/s)
- Travel: Up to 62 ft. (19 m)
- Gross Capacity: Up to 2,000 lbs. (907 kg)

Applications

PowerLift's high capacity and compact size make it ideal for many stage hoisting applications including:

- Lighting
- Scenery
- Shell ceilings

Features

- Integrated gearmotor and brake provides proven reliability and features an iron case for vibration and noise control.
- Reliable head block with nylon sheaves provides long, trouble-free life and meets or exceeds wire rope manufacturer recommendations.
- Closed loop vector drives provide pinpoint accuracy and can hold the load without a brake for added security.
- Hoists can be mounted vertically or horizontally. For theatres without grids, vertical mounting can save space and offers easier access for maintenance.
- Versatile mounting clips encompass a tremendous range of beam spacing and flange widths for easy installation.
- Compact moving drum allows for a small, efficient hoist. Preloaded chase rollers ensure cables stay in grooves.
- Sturdy aluminum backbone eliminates external strengthening members.
- Center to center spacing 12" (30.5 cm) side by side, 8" (20 cm) offset.
- Dual brake.
- Dual encoder.

Safety

- Designed and manufactured by J.R. Clancy, a company with almost 130 years of rigging expertise.
- Dual braking system with a primary brake on the motor and a completely 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 overtravel switches using separate, redundant circuits for added security.
- Loft block idlers contain individual grooves to keep lines contained, prevent tangles, 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.

PowerLift Options

- Load Sensing
- 7 Lines 62' (19 m) of travel, 8 Lines 49' (15 m) of travel
- 208V or 480V three phase motor. Other voltages available
- Covers to keep moving parts shielded for safety
- Cable management for electric and other powered sets

Loft Block Options

- Universal Series upright or underhung
- 19 Series underhung

Controls

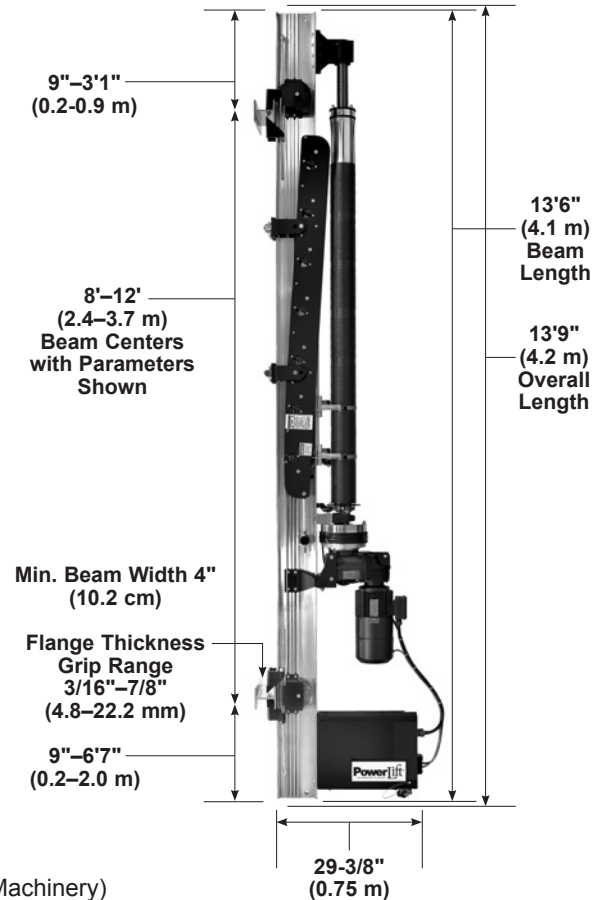
PowerLift works with the entire range of J.R. Clancy automation consoles or push button controls. It is designed to work with J.R. Clancy's SceneControl® family of consoles.

Loading Information

Loft Block: (Typical of 7) The combined load on the loft blocks associated with a single PowerLift hoist will not exceed the hoist capacity. Loads may be unevenly distributed on the batten with a maximum load of 500 lbs. (227 kg) on any individual loft block. Hoists are not recommended to be used for lifting people.

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

Dimensions



Batten Termination Options

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

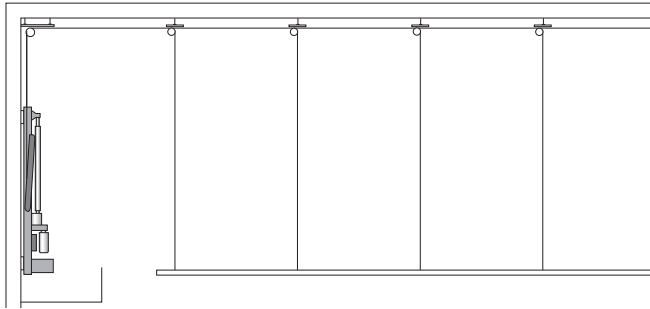
Batten Options

- 1.5" Schedule 40 batten
- 1.5" Schedule 80 batten
- 1.5" Schedule 40 truss batten

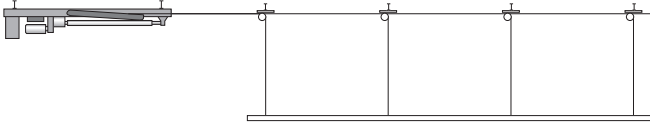
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Mounting Configurations

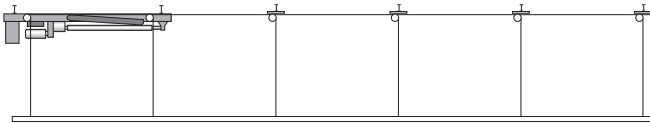
Vertical (Preferred mounting approach)



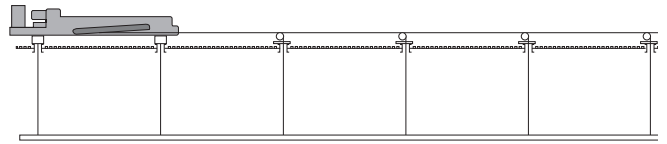
Underhung Offstage



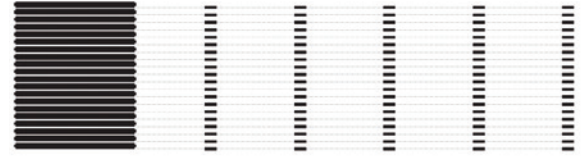
Underhung Onstage



Upright on Grid (Cover required)



11" (27.94 cm) Set Centers: All hoists on one side of stage



8" (20.32 cm) Set Centers: Alternate hoists on both sides of stage



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.® (Train, Inspect, Maintain) Program.

Additional Information

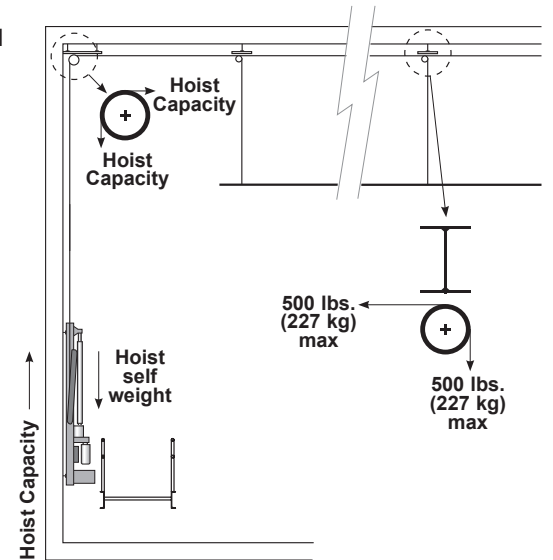
For more information on PowerLift, visit www.jrclancy.com/powerlift.asp to access:

- Detailed structural loading
- Electrical risers diagrams
- Specifications
- Dead load weight calculator

Ordering Information

PowerLifts are available with up to 7 lift lines and provide up to 62 ft. (19 m) of travel.

Part Number	Load Speed	Gross Capacity	Hoist Weight
018-P0220G	20 fpm (0.1 m/s)	2,000 lbs. (907 kg)	750 lbs. (340 kg)
018-P0220R	0-20 fpm (0-0.1 m/s)	2,000 lbs. (907 kg)	750 lbs. (340 kg)
018-P1212R	0-120 fpm (0-0.6 m/s)	1,200 lbs. (544 kg)	770 lbs. (349 kg)
018-P1220R	0-120 fpm (0-0.6 m/s)	2,000 lbs. (907 kg)	800 lbs. (362 kg)
018-P1812R	0-180 fpm (0-0.9 m/s)	1,200 lbs. (544 kg)	800 lbs. (362 kg)
018-P1817R	0-180 fpm (0-0.9 m/s)	1,750 lbs. (793 kg)	850 lbs. (385 kg)



Design, Manufacture and Installation of Theatrical Equipment Worldwide

For unusual applications, J.R. Clancy can create custom equipment to match your facility's specific needs. Please contact us to discuss your project's requirements.

Wenger

GEARBOSS

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QUALITY SINCE 1988

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