Enerpac’s Heavy-Lifting Technology provides customers with tailored solutions, combining hydraulics, steel fabrication and electronic controls for safe, precise movement of heavy loads. Global Leader providing best in class solutions for safe and precise positioning of heavy loads.

With more than 60 years supporting industrial markets, Enerpac has gained the unique and in-depth expertise that is respected by industrial professionals around the world. Across every continent, Enerpac’s network of application engineers, authorized distributors and technical service centers can reach any location, and deliver innovative solutions, technical assistance and quality products.

Enerpac’s complete line of standard and customized products and a unique systems approach offers the benefits of safety and efficiency to applications where high forces are required.

Whether constructing a signature bridge across a deep valley, lifting a national landmark for seismic retrofit or simultaneously testing hundreds of foundation pilings to support a new building, Enerpac will supply the hydraulic solutions to get the job done safely and efficiently.

Precision lift and position of heavy loads

Synchronous superlift and launch

Bridge lifting and launching

Jacking with high capacity precision control

Synchronous hoisting and load positioning

Incremental bridge lifting

Transportation

Special high-tonnage cylinders for the Pioneering Spirit lifting beams
## Heavy-Lifting Technology Section Overview

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<th>Series</th>
<th>Page</th>
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<td>Lifting Solutions</td>
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</table>
HSK-Series Skidding Systems

- PTFE skid pads with dimpled surface for low friction and long lifetime
- Easy to replace skid pads, no tools necessary
- Bi-directional operation using push-pull cylinders avoid the need to reposition cylinders for switching direction
- Large load support surface on the skid beams for distributing load
- Bottom of skid shoes equipped with stainless steel sliding plates

LH-Series, Low-Height Skidding System

- Low starting height saves time and increases versatility
- Intuitive pump controls (SFP-Series Split-Flow Pump)
- Easily reversible to change skidding direction
- Portable design for quick setup

Ideal Jack and Slide Solution

Skidding Systems

The skidding system is comprised of a series of skid beams moved by hydraulic push-pull cylinders, travelling over a pre-constructed track.

A series of special PTFE coated pads are placed on the skid tracks to reduce friction. The PTFE surface is matched with a sliding plate under the Enerpac skid beams, designed to achieve minimum friction coefficients. The skid beams are connected by hoses to a hydraulic electric or diesel driven powerpack.

In addition to our standard skidding systems, Enerpac can create customized skidding systems to meet your specific requirements.

Controls

Enerpac offers several options for controlling our skidding systems.

Wireless Controls allows the operator the freedom to view the skidding operation from multiple locations while providing complete control of all system functions.

Manual controls offer a cost-effective solution by utilizing manual hydraulic valves mounted directly on the skidding system power unit.
Skidding Systems

Enerpac Skidding Systems are available in several versions:

- **B-Series (Skid Beam)** utilizes a tall skid beam with built-in push-pull cylinders. Skidding direction can be easily switch by flipping a lever on the attached gripper box.
- **J-Series (Skid Jack)** provides the same functionality as the B-Series with the added benefit of having a built-in cylinder for lifting or leveling the load.
- **LH-Series (Low Height)** includes low-height skid beams that can fit in tight spaces while still offering high capacity.

### LH-Series Skidding System Requirements
1. Skid Track (required)
2. Skid Beam (required)
3. Push-Pull Cylinder Unit (required)
4. Hydraulic Hoses (required)
5. Split-Flow Electric Pump (required)
6. Track Support (optional, not shown)
7. Storage/Transport Frame (optional, not shown)
8. Pump Cart (optional, not shown)

### HSK-Series Skidding System Requirements
1. Skid Track
2. Skid Beam
3. Hydraulic Power Pack
4. Hydraulic Push-Pull Unit

### HSK LH Series

**Capacity:** 140 - 280 tons

**Stroke Push/Pull:** 23.62 inches

**Lifting Stroke:** 6.89 inches

*Skid shoe jack version only.

**Skid Tracks**
Include specially constructed and easily replaceable PTFE coated pads. Skid track is sold separately.

**Hydraulic Power Packs**
Enerpac offers a comprehensive range of hydraulic power packs that are optimized for use with Skidding Systems.

**Low Height Skidding and Turntable**
See page 78-82 of this catalog for full details on this versatile product.

### HSK LH Series Specifications

<table>
<thead>
<tr>
<th>Maximum Capacity (per push-pull unit)*</th>
<th>Minimum Push-Pull Capacity (ton)</th>
<th>Model Number</th>
<th>Skid Beam Height (with track)</th>
<th>Lifting Stroke</th>
<th>Push-Pull Stroke</th>
<th>Skid Beam Length</th>
<th>Skid Track Width</th>
<th>Skid Track Length</th>
<th>Skid Beam Weight</th>
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<td>200</td>
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<td>LH400**</td>
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<td>18.31</td>
<td>37.60</td>
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</table>

* Note: Multiple push-pull units are combined to offer greater capacity. Typical setup is two or more units.

** Low Height
HSL-Series, Heavy Lifting Strand Jacks

Shown: HSL50006 Strand Jack

Heavy Lifting Strand Jacks
High Capacity - Precision Control

- Precision control of synchronous lifting and lowering
- Can be controlled by a single operator from a central location for increased safety
- Automated locking - unlocking operation
- Two strand sizes: 0.62" (15.7 mm) and 0.71" (18 mm)
- Telescopic strand guide pipes prevent bird caging
- Internal components are coated with an anti-corrosion coating, making it suitable for marine environments
- Lifting anchor included with all strand jacks
- Lloyds witness tested to 125% of maximum working load

Strand Jacks
Enerpac strand jacks are the strand jacks of choice for customers seeking precise synchronous control with heavy lifting capacity in an economical, compact, and reliable footprint.

Enerpac strand jacks are powered by electrical or diesel driven hydraulic power packs and controlled by Enerpac’s proprietary SCC-Smart Cylinder Control System to ensure full control of lifting and lowering operations.

Enerpac continually improves reliability, durability, and safety of their strand jacks, making them an industry standard for heavy lifting.

Shown: HSL85007 Strand Jack System used on Enerpac custom Self-Erecting Tower.

Enerpac’s SCC-Smart Cylinder Control System simplifies synchronous operation with intuitive controls and a user-friendly graphical interface.
**Heavy Lifting Strand Jacks**

**HSL** Series

**Capacity:**
- 17 - 1405 tons

**Stroke:**
- 9.8 - 23.6 inches

**Maximum Operating Pressure:**
- 5,000 psi

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**Strand Jacks**

A strand jack can be considered a linear winch. In a strand jack, a bundle of steel strands are guided through a main “lifting” jack. Above and below the cylinder are anchor systems with wedges that grip the strand bundle simultaneously. Lifting and lowering a load is achieved by hydraulically controlling the main jack and both mini jacks alternately.

In the case of system pressure loss, the wedges are mechanically closed automatically, holding the suspended load in place.

Today, strand jacks are widely recognized as the most sophisticated heavy lifting solution. They are used all over the world to erect bridges, load out offshore structures, and lift/lower heavy loads where the use of conventional cranes is neither economical nor practical.

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**HSL20006 Strand Jack**

**SG-Series Strand Guide**

Provides a guide for the strand as a strand jack lifts the load.

**SR-Series Strand Recoiler**

Passively pays in or pays out strands while jacking and lowering.

**SD1 Strand Dispenser**

Essential to safely unbundle a new strand coil.

**Lifting Anchor**

Each Strand Jack includes a lifting anchor for attaching strand to the load.
• Self-contained hydraulics and electronics
• Intelli-Lift wireless control system
• Self-propelled wheels or tank rollers
• Foldable boom on SBL900 and SBL1100
• Full range of supplementary equipment: header beams, lifting lugs, side shift, skid tracks
• Designed and tested to meet ASME B30.1-2015 safety standards
• Lloyds witness tested to 120% of maximum working load

Shown: SBL1100 with GST Skid Tracks, Header Beams and Side Shifts

Precision Lift and Position of Heavy Loads
The Ultimate in Safety and Control

INTELLI-LIFT
The Intelli-Lift wireless control system is included with all Enerpac hydraulic gantries. The Intelli-Lift controller offers superior safety and control and includes the following features:
• Encrypted bi-directional communication that eliminates interference from other devices
• Remote operation using multi-channel wireless (2.4 GHz) or wired (RS-485) control
• High and low speed settings
• Automatic synchronization of lifting with an accuracy of 0.95 inch (24 mm)
• Automatic synchronization of travelling with an accuracy of 0.60 inch (15 mm)
• Overload and stroke alarms
• Remote side shift control
• Emergency stop switch

Shown: SBL1100

<table>
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<tr>
<th>Maximum Capacity (4 legs)</th>
<th>Model No.</th>
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<td>SL100</td>
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<td>220</td>
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<td>330</td>
<td>SL300</td>
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<td>10.39</td>
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<td>585</td>
<td>SBL500</td>
<td>9.97</td>
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<td>1009</td>
<td>SBL900</td>
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</tr>
<tr>
<td>1178</td>
<td>SBL1100</td>
<td>14.34</td>
</tr>
</tbody>
</table>
Hydraulic Gantry

Hydraulic Gantry is a safe, efficient way to lift and position heavy loads in applications where traditional cranes will not fit and permanent overhead structures for job cranes are not an option.

Hydraulic Gantry is placed on skid tracks to provide a means for moving and placing heavy loads, many times with only one pick.

Enerpac offers three series of Hydraulic Gantry systems:

- **SL-Series Super Lift**
  The cost-effective SL-Series Super Lift offer control and stability for everyday lifting applications below 450 ton up to 30 feet.

- **SBL-Series Super Boom Lift**
  The heavy-duty SBL-Series Super Boom Lift boom style gantries offer increased lifting capacity of over 450 ton to heights of almost 40 feet.

All Enerpac gantries are delivered with specific properties and control systems to ensure optimum stability and safety.

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**Drawing shows SBL-series, SL-Series without boom.**

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**Capacity:**

<table>
<thead>
<tr>
<th>SL, SBL, Series</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity:</strong></td>
</tr>
<tr>
<td>110 - 1178 tons</td>
</tr>
</tbody>
</table>

**Lift Height:**

| 6.73 - 39.38 feet |

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**Additional Accessories** –
Contact Enerpac for assistance at enerpac.com/contact-us

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**Skid Tracks**

Skid tracks used for leveling and load distribution.
Available in two standard lengths, 10 feet and 20 feet.

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**Header Beams**

Sold in pairs and includes lifting points and fork pockets for easy positioning on gantry towers.

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**Powered Side Shift**

Electric propulsion controlled by standard gantry controls. Each set consists of 4 units.

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**Lifting Anchors**

Designed to transfer the load to the top of the header beam. Can accommodate a 250 ton shackle or attach directly to the lifted load.
Incremental Lifting System – Synchronously Lift and Mechanically Hold

- Self-contained hydraulics in each Jack-Up unit for uncluttered work area
- Synchronously lift loads with multiple Jack-Up units. The most common system set-up includes four Jack-Up units but can be expanded to include more
- Lifting barrels are stacked together to mechanically hold the load
- Up to 5% side load capacity depending on capacity and lift height
- Computer controls for operating the Jack-Up System with automatic and manual lifting settings

**Typical Applications**
- Bridge maintenance
- Lifting and lowering of heavy equipment
- Lifting, lowering and levelling of heavy structures and buildings
- De-propping/load transfer from temporary steel work.

**Computer Controls**
Enerpac Jack-Up Systems provide precision control suitable for many demanding lifting and lowering applications. The comprehensive self-contained design features simple to use software.
- Automatic synchronization of multiple networked lift points
- Center of Gravity calculation
- Overload and stroke alarms
- Emergency stop switch at Jack-Up units and controls

**Enerpac JS500 used in bridge construction and de-commissioning.**

**Enerpac Jack-Up System hoists 1500-ton span on Fore River Bridge.**

**Undecking an 1500-ton Electric Rope Shovel in a Copper Mine with a JS500 Jack-Up System for bearing inspection and maintenance.**
Enerpac Jack-Up Systems

The Jack-Up System is a custom developed multi-point lifting system. A typical system setup includes four jack-up units, one positioned under each corner of a load.

Example: A four unit setup with JS250 has a lifting capacity of 1000 ton (250 ton per unit). The lifting frame of a jack up unit contains four hydraulic lifting cylinders, one in each corner, which lift the load using the stacked steel barrels.

A load is lifted in increments as barrels are slid into the system, lifted, and stacked; forming ‘lifting towers’. A jack up system is operated and controlled by a computer control unit.

Each unit’s lifting and lowering operations occur simultaneously; the computer control unit’s synchronous technology maintains the balance of the load.

Jack-Up Systems (JS)

Steel Barrel (BLJS)

<table>
<thead>
<tr>
<th>For use with Jack-Up System</th>
<th>Barrel Set Model Number</th>
<th>Number of Barrels per Set</th>
<th>Barrel Dimensions (in)</th>
<th>Weight per Barrel (lbs)</th>
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</thead>
<tbody>
<tr>
<td>JS125</td>
<td>BLJS125</td>
<td>4</td>
<td>23.62 23.62 11.81</td>
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<td>BLJS250</td>
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<td>BLJS500</td>
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<td>66.93 66.93 27.56</td>
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<td>JS750</td>
<td>BLJS750</td>
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<td>90.55 90.55 39.37</td>
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Jack-Up Systems

<table>
<thead>
<tr>
<th>Capacity per Tower (ton)</th>
<th>Model Number</th>
<th>Maximum Sideload</th>
<th>Maximum Lifting Speed (ft/hr)</th>
<th>Base Frame Dimensions (in)</th>
<th>Barrel Loading System (in)</th>
<th>Electric Power Pack hp</th>
<th>Weight per Jack-Up Unit (lbs)</th>
<th>Weight End Barrel (3D Swivel) (lbs)</th>
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<td>98.25 98.25 29.29</td>
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<td>52,800</td>
<td>19,800</td>
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</table>

* Weight per Jack-Up unit, excluding end barrel or barrel sets.

Adjustable Top Barrel

Includes double-acting lock nut cylinder with swivel saddle. Cylinder can be extended to contact the load. Provides ability to adjust starting height of each leg, ensuring safe and stable lifting. Must be operated with separate pump.

Trolleys & Skid Tracks

Allows horizontal travel of jack-up systems.

Jack-up System Smart Box

The Smart Box SBJS-V4 is Enerpac’s proprietary control platform. It allows an operator to control up to 8 jack-up towers simultaneously with one SBLT1 standard laptop.

- Single operator control from a central location provides safe and reliable operation
- Synchronous lift/lower and load control between the lifting positions
- Automatic lifting and lowering cycles
- Displays individual and accumulative stroke/load
- Simple graphical user interface

Enerpac Jack-Up
Systems

JS Series

Capacity per Lifting Tower:

138 - 825 tons

Lifting Height:

Up to 20 - 66 feet

Trolleys & Skid Tracks

Allows horizontal travel of jack-up systems.
SHS and SHAS-Series SyncHoist

- High-precision load maneuvering using one crane
- Reduces the risk of damage from oscillations of wire rope due to crane jogging and sudden starts/stops
- Vastly improving worker safety, operating speed and control
- PLC-controlled hydraulics turn lifting into high-accuracy hoisting and load positioning system
- Double-acting push/pull cylinders with load-holding valves for added safety
- Increased efficiency compared to conventional load positioning methods

Options for system management and control:
- Manual control: system warning functions
- Automatic control: fully PLC-monitorized system with programmable functions using touch screen and system warning functions
- Wireless control: self-contained hydraulics with hand-held control

Accurate Hoisting and Load Positioning Enhancing a Crane’s Capability

Synchronous Hoisting
Enerpac SyncHoist is a unique crane product for below-the-hook positioning of heavy loads that require precision placement. The SyncHoist system may reduce the number of cranes needed and reduce the costs of multiple picks.

Functions
- High precision horizontal and vertical load positioning
- Pre-programmed positioning, tilting and aligning

Applications
- Positioning of rotor, stator and propeller blades of wind turbines
- Positioning of roof sections, concrete elements, steel structures
- Positioning of turbines, transformers, fuel rods
- Precise machinery loading, mill rod changes, bearing changes
- Precise positioning of pipe lines, blow out valves
- Positioning and aligning of ship segments prior to assembly

Bridge segments are hoisted from the ground, being positioned with a 4-point SyncHoist system with fully monitored cylinders.

SyncHoist Powerpack to operate the 4 lifting points.

A SyncHoist system used to align steel blocks of the ship’s control tower sections allowing gradual lifting and positioning of the load.
SyncHoist - High Precision Load Positioning

What is SyncHoist?
Enerpac SyncHoist is a hydraulically operated auxiliary attachment for high precision load positioning for cranes. The SyncHoist system can be used for pre-programmed positioning, tilting and aligning of loads.
- Complete system tested in compliance with European lifting directive and safety requirements
- System management and control

SyncHoist improves safety, operating speed and control of load movement
Geometric positioning of heavy loads in a horizontal and vertical plane are frequently done using more than one crane. Synchronizing movements between cranes are difficult and risky. The lifting inaccuracy can result in damage to the load and support structures and puts workers at risk. The SyncHoist system can be used for controlled hydraulic horizontal and vertical material handling.

System management and control
Contact Enerpac for the following options, or other customized stroke, capacity and control configurations.

### SyncHoist - High Precision Load Positioning

#### SHS/ SHAS Series

<table>
<thead>
<tr>
<th>Capacity (ton)</th>
<th>Total Load (ton)</th>
<th>Cylinder Stroke (in)</th>
<th>Model Number 460-480 VAC, 3 ph - 60 Hz</th>
<th>Control System</th>
<th>Motor Size (hp)</th>
<th>Number of Pump Outlets and Oil Flow (l/min)</th>
<th>Cylinder Dimensions (in)</th>
<th>Wt. (lbs)</th>
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<td>4 x 128</td>
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<td>Automatic</td>
<td>20</td>
<td>4 x 128</td>
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<td>2138</td>
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<td></td>
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<td>SHS 411060 AJ</td>
<td>Automatic</td>
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<td>4 x 128</td>
<td>A 73.03  B 112.40  D1 30.71  D2 12.40  E 3.35  F 15.55  G 3.98  H 2138</td>
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<tr>
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<td>485</td>
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<td>SHAS 411040 WU</td>
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<td>4 x 5</td>
<td>—</td>
<td>A 73.03  B 112.40  D1 41.85  D2 12.40  E 3.36  F 21.26  G 4.88  H 2608</td>
<td>2608</td>
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<td>59.06</td>
<td>SHAS 411060 WU</td>
<td>Wireless</td>
<td>4 x 10</td>
<td>—</td>
<td>A 84.25  B 132.63  D1 48.62  D2 16.54  E 5.59  F 22.83  G 7.48  H 7097</td>
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<tr>
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<td>991</td>
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<td>—</td>
<td>A 73.03  B 112.40  D1 41.85  D2 12.40  E 3.36  F 21.26  G 4.88  H 2608</td>
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<td>7097</td>
</tr>
</tbody>
</table>

1) With 4 cylinders and one 460-480 VAC-3 phase-60 Hz power pack (suffix J). For 400 VAC-3 phase-50 Hz power pack change suffix J into W. Example: SHS 45560 MW.
2) Pump and cylinders include 4 x 82 feet hydraulic hoses with couplers. 3) Weight per cylinder.
4) WU = with US electrical wiring. Change into suffix "WE" for EU-market. Example: SHAS 411060 WE.
ETR-Series, Trolley System

- High transport speed
  - 164 ft/hour loaded
  - 328 ft/hour unloaded
- Suited for repetitive movements
- Runs on simple flat steel plate
- Ease of maintenance
  - long maintenance intervals
  - no consumables
- Clean usage – electric driven
- Built-in synchronization – no need for forced external mechanical connection to synchronize movements
- Easy transport - compact design
- Hydraulic lifting cylinder option available
- Kits to accommodate other lifting options also available

Product Overview
The ETR-Series Trolley System is comprised of electrically-driven trolleys which can carry heavy loads along a fixed track system. The entire system is controlled by a hand-held wireless control system. A typical system is comprised of 4 trolleys, 2 tracks and one controller. Trolley tracks and controller must be ordered separately.

Control Panel and Cables
Operate up to 8 trolleys (same capacity each) using control panel with included wireless controller.

- Automatic synchronization of traveling with an accuracy of 0.39 inch (10 mm)
- Dual-band radio with automatic frequency search
- Wireless remote operation
- High and low speed settings
- Emergency stop switch
- Control cables operate trolley and provide feedback to controller

Control Panel

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Dimensions (in)</th>
<th>Wt. (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETR-CPJ8</td>
<td>50.81 23.62 43.25</td>
<td>551</td>
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</table>

Control Cables

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETR-CBL-15</td>
<td>50-foot control cable</td>
</tr>
<tr>
<td>ETR-CBL-25</td>
<td>82-foot control cable</td>
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</tbody>
</table>
The Enerpac Trolley System provides an alternative method with increased benefits over traditional skidding methods. Load movements are more stable due to the continuous movement and ability to precisely control travel speed including acceleration and deceleration.

**ETR-Trolley System**

**Key features:**
- Low speed: 82 feet/hour
- High speed: 164 feet/hour
- Accuracy: 0.38 inches
- Sideload: 1.5% rated load
- Sound Level: < 80 dBA

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**ETR50**

**ETR100**

---

**Capacity Per Trolley:**

**50 - 100 tons**

**Travel Speed:**

**82 - 164 ft/hour**

**Motor Power:**

**0.5 - 1.0 hp**

---

**Additional Mounting Options**

Mounting kits are available to accommodate other lifting and rigging solutions.

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**Trolley Track Plates**

Track plates provide level guidance and support for the trolley. Two plates placed side-by-side are used for operation of ETR100-Series Trolleys. Maximum inclination of tracks is 0.2°.

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**Model No.**

**Trolley Track Plates**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Trolley Track Plates</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETR-TP-015</td>
<td>59&quot; track plate</td>
</tr>
<tr>
<td>ETR-TP-030</td>
<td>118&quot; track plate</td>
</tr>
</tbody>
</table>

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**ETR50H includes HCG502 and CATS50. ETR100H includes HCG1004 and CATS101.**

**ETR100 series uses two track plates side-by-side.**
The Enerpac Self-Propelled Modular Transporter (SPMT) features a minimized height and slim design, which makes it very easy to operate in confined spaces. Each wheel unit has a steering function as well as a lifting cylinder at its disposal. Wheel propulsion is established by wheel drives. The SPMT is operated by the Intelli-Drive Remote Controller. This remote controller can be used both hard wired and wireless (based on radio frequency).

The SPMT is a modular system comprised of trailers with 3 axle lines each and diesel hydraulic power units (HPU). Depending on the model number, the trailers and HPUs can be configured to a maximum of 4 trailers in 2 rows (4x2) or 6 trailers in 2 rows (6x2). This is the maximum setup of units that can work together on just one Intelli-Drive Remote Controller.

### SPMT Series

**Capacity (per transporter):**

**67 tons**

**Transport Speed (unloaded-loaded):**

**1.9 - 1.0 mph**

**Motor Size:**

**75 hp**

<table>
<thead>
<tr>
<th>Capacity (per transporter)</th>
<th>Transporter Model Number</th>
<th>Maximum Configuration (transporters in rows)</th>
<th>Steering Range</th>
<th>Steering Mode Retracted Height</th>
<th>Average Travel Height</th>
<th>Overall Length</th>
<th>Lifting Stroke</th>
<th>WL (SPMT)</th>
<th>HPU * Model No.</th>
<th>WL (HPU*)</th>
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<tbody>
<tr>
<td>(ton)</td>
<td>67</td>
<td>4 x 2</td>
<td>±50°</td>
<td>•</td>
<td>30.20</td>
<td>37.76</td>
<td>14.96</td>
<td>15.12</td>
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<tr>
<td></td>
<td>SPMT600-100</td>
<td></td>
<td>crab</td>
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<tr>
<td></td>
<td>SPMT600-360</td>
<td>6 x 2</td>
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<td>•</td>
<td>30.07</td>
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</tbody>
</table>

* HPU = 54 kW Power Pack Diesel. HPU is sold separately.
FROM SIMPLE TO COMPLEX – LIFTING SOLUTIONS FOR YOUR APPLICATION

For those who do the heavy lifting today, the stakes are high and the challenges complex. We know our customers put their reputations and physical well-being on the line to get the job done right. We take that very seriously.

Backed by a global legacy of ultra-reliable quality and superior precision, Enerpac Heavy Lifting Technology is pushing the industry forward with a wide range of advanced solutions that first and foremost ensure our customers operate safely and productively every day. It isn’t about being compliant, or “as good” as the next guy; we outpace the competition by delivering technically superior solutions that are easy to design, safe to use and built to outlast.

CONSULTATIVE APPROACH TO HEAVY LIFTING

From the very first discussion to gain an understanding of your application to solution design, training and ongoing field support of your operators, you will find a structured process and a team of application experts who will advise you towards a successful solution.

SOLUTION CONSULTATION
- Requirements Specifications
- Selecting the Right Solution for Your Application

DESIGN & MANUFACTURING
- Design & Engineering
- Manufacturing Excellence

TESTING & TRAINING
- Quality Assurance
- Operation & Safety Training

ON-DEMAND SUPPORT
- On-the-job Application Engineer Support
- Routine Maintenance & Repair Services
Solution Consultations

Since the late 1950’s, Enerpac has been steadfast in their commitment to work closely with customers to understand their lift needs and work-site environment. Not all lifts are the same. There are several factors that must be taken into consideration before recommending the best solution.

APPLICATION CONSIDERATIONS

- **LOAD CAPACITY**: How much weight needs to be lifted, moved and/or positioned?
- **LIFT HEIGHT**: How high does the load need to be lifted? Are there restrictions above or below the load?
- **TYPE OF LIFT**: Will you lift from above or below?
- **SPACE**: How much space is available to complete the task?
- **TIME**: How the job needs to be completed within a set timeframe due to operational or environmental factors.
- **TRANSPORTATION**: Does the load need to be transported as well as being lifted? How far and how often?
- **TOTAL COST OF OWNERSHIP**: What productivity, labor or training costs need to be factored into the solution to make it the best long-term investment.

Because Enerpac engineers have designed solutions for a variety of applications over the years, they are well-equipped to minimize risks and to recommend a simpler solution that others may overlook. Built on a world-class reputation for developing products that meet the most common lifting applications, once your specifications are in the hands of the Enerpac experts, you are sure to receive a comprehensive recommendation that will save time and money while ensuring safety above all else.
Enerpac has the most complete offering of standard heavy lifting and positioning tools in the market. These products are designed to highest standards of performance and offer great flexibility to meet the demands of even the most challenging applications. Our manufacturing facility adheres to world-class production planning and inventory management to ensure your product arrives at your facility on time as specified.

Design & Engineering
Enerpac engineers are experienced in the latest software, rapid prototyping, failure analysis methods and engineering standards. This allows us to continuously improve and expand our product offering to meet ever changing needs of the market.

- CE, Machinery Directive 2006/42/E
- ASME: B30.1

Assembly & Quality Assurance
- All Enerpac products are assembled by highly trained individuals, working safely and efficiently from start to finish.
- The Hengelo, NL facility that manufactures the Enerpac heavy-lifting equipment holds several quality certifications.
  - ISO 9001: 2015
  - ISO 3834-2: 2005
  - ISO 14001: 2015
  - ISO 45001: 2018

Fabrication & Machining
- A dedicated steel fabrication and certified welding facility manufactures product components and support structures for the most demanding heavy-lifting applications.
- Complete in-house production is delivered using the latest CNC and conventional turning machines plus a full range of milling and boring equipment.
The Enerpac facility, that makes and builds your heavy-lifting equipment, holds several quality system certifications giving you extra confidence in the safety and reliability of your heavy-lifting equipment. Whether your first lift or move is scheduled upon taking delivery of your new equipment or months later, you will have access to the dedicated Heavy-Lifting team to support your training or troubleshooting needs.

**Testing & Training**

- Quality Assurance
- Operation & Safety Training

**Factory Acceptance Testing (FAT)**

Customers are invited to witness FAT, often combined with operator training. Under witness of Lloyd’s Register, all equipment is functionally tested to maximum capacity, and in many cases up to 125% of rated load. Additional testing to meet standards compliance, government regulations or specific customer requirements are performed and documented at the same time.

**Documentation**

Upon delivery of your new heavy-lifting equipment, an operator’s manual outlines the configuration of your system, detailed operating instructions with safety guidelines, and maintenance recommendations.

**Training**

Operational training is offered with the purchase of all Enerpac heavy-lifting equipment.
Once you take possession of your new heavy-lifting equipment, you have on-demand access to our field support team. And support continues with ongoing maintenance or system upgrades throughout the life of your assets.

**On-demand Support**

- **On-the-Job Application Engineer Support**
- **Routine Maintenance & Repair Services**

**Product Warranty**

All Enerpac Heavy-Lifting equipment is built to stringent specifications and built to last.

Should you ever encounter a defect in materials or workmanship under normal use, it will be remedied through our standard one-year warranty program.

**Maintenance & Repair**

Downtime is minimized with fast delivery of repair parts and consumables stocked at several locations worldwide. For those that want the added confidence of specialized technicians, the Enerpac Maintenance & Repair team are ready to perform your maintenance or repair services for you.

**On-the-Job Field Support**

Should you ever require extra support while using your Enerpac Heavy-Lifting system on the job, our dedicated application engineers will work closely to guide your operators on appropriate use of our equipment. And to ensure job safety, they will travel to your job site as needed to ensure your project is completed timely and without incident.