

P SERIES

PNEUMATIC LIFTRUCK



HOIST
LIFTRUCK

P SERIES





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PNEUMATIC LIFTRUCK

The P-Series is the premiere liftruck for all of your heavy-duty lifting needs. At competitive prices, the P-Series comes **STANDARD** as a heavy-duty grade liftruck utilizing only premium components and advanced features such as; Cummins diesel engine, Dana transmission, AxleTech drive axle, electronic fingertip hydraulic controls and Remote Tech vehicle management system.

Model	Basic Capacity	Load Center	Wheel Base
P220-360S	22,000-36,000 lbs	24"	115"
P280-360@48	28,000-36,000 lbs	24"-48"	136"
P400@48-P450@48	40,000 lbs-45,000 lbs	36"-48"	144"
P450@36-P550@48	45,000-55,000 lbs	36"- 48"	170"
P600@48-P720@48	60,000 lbs-72,000 lbs.	48"	174"
P800@48	80,000 lbs	48"	190"
P900@48-P1150	90,000 lbs-115,000 lbs.	48"	225"

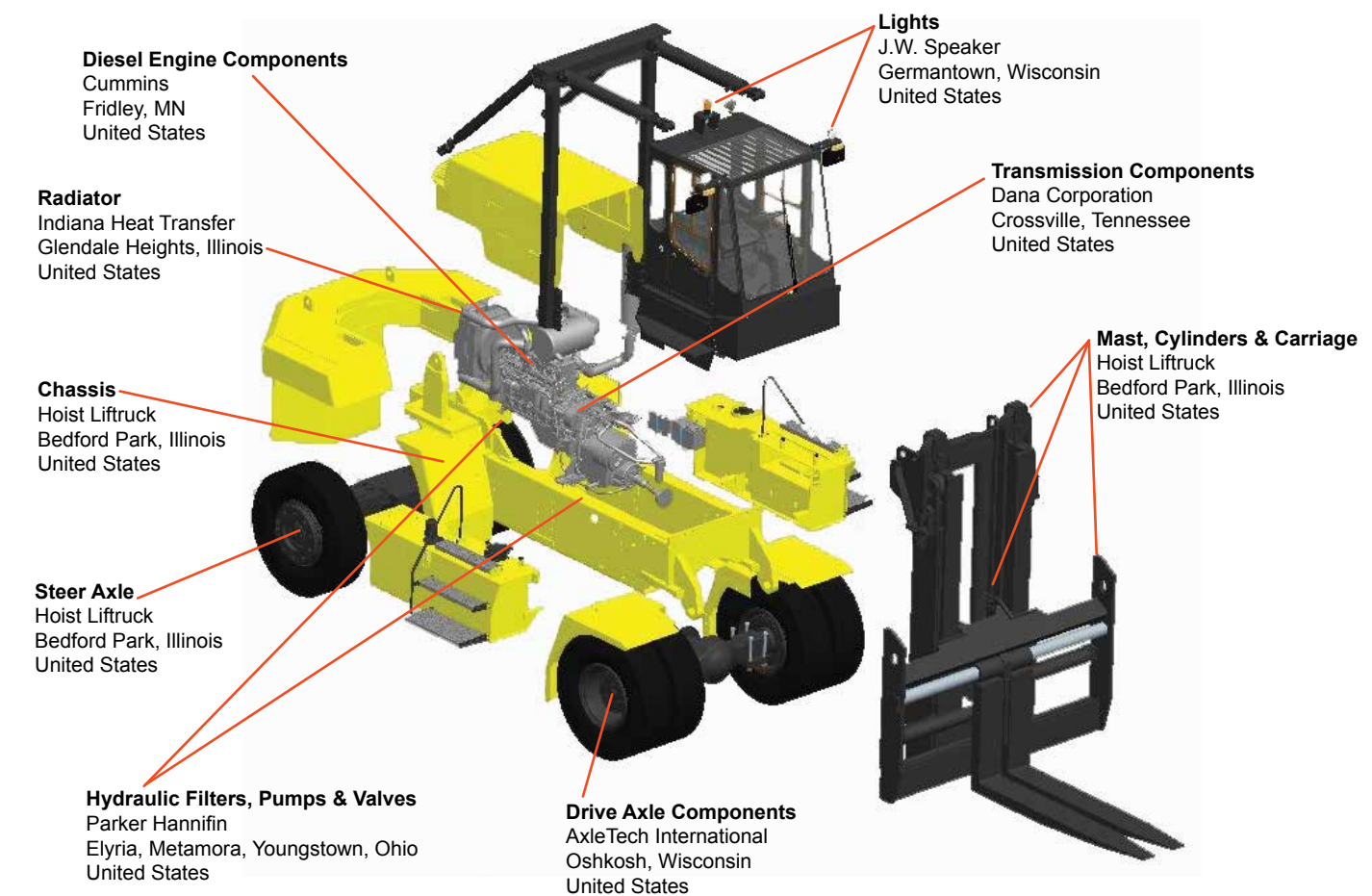


INNOVATIVE DESIGN

Not only is the **P-Series** extremely eye-appealing, it has been designed and tested to meet or exceed current, worldwide regulations for stability, sound levels and safety.

Hoist's design engineers utilize the latest CAD three-dimensional solid modeling technology to develop the highest quality liftruck in terms of performance, durability, operator safety, comfort, visibility and serviceability.

Hoist uses many of the same North American components throughout its product lines to keep costs low and make parts immediately available 24-hours a day.



Capacity - 36,000 lbs.



Capacity - 52,000 lbs.



Capacity - 65,000 lbs.



OPERATOR COMFORT

For maximum performance an operator must have all the essential tools around them. The **P-Series** is designed with advanced ergonomics for maximum comfort and visibility.

STANDARD FEATURES

- Meets ANSI B56.1 FOPS operator protection
- Isolated rubber mounts between cab & chassis
- Finger-tip hydraulic controls designed to move within the full range of seating positions; optional multifunctional joystick
- Key-lock doors and greaseable hinges; Exterior locks secure door in open position
- Dashless cab for added leg room & improved visibility
- Tilt-steering column. Easy entry and exit
- Adjustable air-ride seat and retractable seat belts
- Low, non-skid steps & handrails provide 3-point contact
- Insulated floor, cab walls and doors
- Pin mount doors; greasable & removable
- Tinted glass to minimize glare.
- Individually controlled front/rear wipers/washers; optional top wiper/washer
- Top glass shade with steel overhead guard
- Cab heater with optional defroster and fan. Optional air conditioning unit available
- Operator fan
- Emergency stop button
- Directional/gear-shift lever on steering column
- MD3 display shows hour meter, all engine functions, filter restrictions, low battery and RemoteTech functions
- Spring-applied, hydraulic-released parking brake



Controls and gauges are located out of the way, but easily within operator's reach.



MD3 display, located on the armrest with fingertip hydraulic controls, provides digital gauges for water temperature, fuel level and oil pressure. Other features include tachometer, battery indicator, parking brake indicator and RemoteTech warning/service messages.



Directional/gear-shift lever on steering column



Cab heater with defroster and fan. Optional air conditioning unit available.



In addition to the tilt steering column and air ride seat, the "dashless" design provides more legroom and easier entry/exit for the operator for superior ergonomics and comfort.



"Dashless" cab provides more space and visibility for the operator. Eliminates incidental damage to gauges and controls previously located on the dashboard.



SUPERIOR VISIBILITY

The **P-Series** is designed with a wide-open mast and unique low-profile counterweight to provide the operator with unobstructed views in all directions.

The P-Series' two-stage, wide-view mast (optional three-stage and free lift masts available) is made with welded-nested channels with lift cylinders secured directly behind the mast rails and the lift chain and optional attachment hosing located inside the inner mast rail completely out of the operator's view.

The standard low-profile carriage includes pin-mount, machine-contoured forks [located in low or high position] that provide maximum strength, visibility and no load damage. Slope pilers, rotators, side-shifting fork positioners, and independent fork positioners are all available options.

- Standard overhead-tilt cylinders provide excellent stability and visibility
- Main rollers are lubricated and sealed
- Main/side thrust rollers reduce friction; impact-resistant
- Mast pivots constructed with wear-resistant bronze bushings and hardened steel pins; Mast pivots are also greaseable
- Optional accumulator in lift and tilt circuit reduces shock on mast and load
- Safety valves built into the base of lift cylinders provide controlled lowering in the event of a hose failure
- Chrome-plated rods on cylinders for easy seal replacement





POWER & RELIABILITY

The **P-Series** carries on the **Hoist** reputation of reliable and durable liftrucks. While some high-quality components are optional on other liftrucks, **Hoist** makes them standard for a true heavy-duty forklift designed to exceed customer expectations.

The high-performance Cummins electronic turbo-charged engine is proven to stand up to the most rugged applications. The diesel engine meets current emission standards and is extremely quiet.

- 160HP to 380HP models available depending on capacity
- Latest Tier Compliant Engines available
- Electronic engine diagnostics with fault code history
- Built-in engine protection system
- Two-stage heavy-duty air cleaner with electronic restriction indicator
- Heavy-duty isolated anti-vibration bolt-in drive line mounts
- Outboard muffler with optional purifier
- Bolted open-core radiator with high-capacity cooling system
- 100-amp alternator with built-in regulator (amps vary with capacity)
- Optional GM 5.7 or 8.1 LP gas engine (available on certain models)



The Dana 32000 & 36000 three-speed powershift transmissions are supplied with declutch as standard providing the operator with optimal hydraulic control. The quality transmission reduces premature failure, as well as prevents directional shifting until travel speed is less than 1 mph.

- Transmission cooling through a dedicated heat exchanger included in the charge air/radiator assembly
- A conveniently located remote-mounted filter purifies oil efficiently
- 12-plate modulation for smooth forward/reverse shifting and added durability



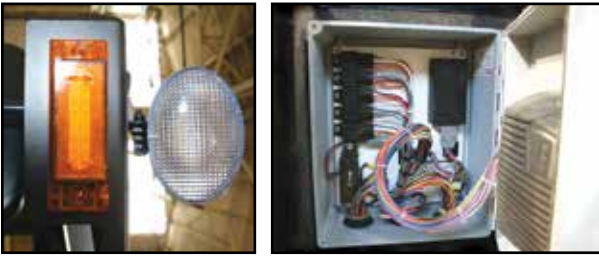
The load-sensing hydraulic system performs heavy-duty tasks quietly while reducing power demands and improving fuel efficiency. The system delivers responsive braking and steering functions, as well as prevents engine stalling when hydraulic functions are deadheaded.



Hydraulic pressure can be easily read by lifting up a flip-open step and twisting gauge. This eliminates downtime due to hydraulic system issues.

- O-ring face seal fittings on entire system to prevent oil leaks
- Tilt-lock valve with counterbalance to prevent mast drift
- Large bolt-on hydraulic tank with suction strainers and high-capacity return line filters for maximum efficiency.
- Filters are easily accessible for quick replacement
- Large clean-out covers on the top of the tank for easy access and convenient drain plug on bottom
- Easy to maintain external sump tank provides additional system cooling
- Multi-gauge provides quick and easy pressure readings with a twist of the dial; Eliminates the need to tap into hydraulic lines.





- Standard 12 volt electrical system throughout forklift
- All electrical wires are color-coded and enclosed with a split-tubing wire loom wrap using sealed weather pack connectors
- Two 12-volt, industrial batteries mounted in the lower flip-open step compartment for easy accessibility
- Easily accessed automotive style fuses
- Electrical system controls the LED headlights, tail lights, turn signals, backup lights, marker lights, brake lights and LED amber strobe light; All lights are completely sealed and last approximately 10,000 hours

REMOTETECH

Utilizing CANbus technology, RemoteTech is a vehicle management system incorporated into the P-Series that provides service alerts, preventative maintenance data, vehicle monitoring, automated customer support and the ability to customize vehicle functionality. If any issues are detected, the RemoteTech system will inform the operator via the in-cab display and has the capability to advise maintenance/management personnel via email. Vehicle functions can be quickly adjusted to accommodate operator or company preference in mere minutes. Service technicians can also quickly identify issues through onboard electronic diagnostics and view/download fault code history.

- Unlike similar systems that rely on third-party companies to program and troubleshoot the system, RemoteTech is programmed and operated solely by Hoist. Customization and adjustments are made quickly to reflect customer's preference
- Decreases downtime and repair costs by identifying and resolving issues early
- Parameters such as vehicle/lifting speeds and electronic fingertip control functions can be quickly and easily adjusted
- Detects issues such as clogged/failing filters, overheated engine and vehicle overload and impact
- Great for fleet management. Record and monitor engine hours, service intervals and operator usage. Limit access to specific operators with individual key code capabilities



Issue(s) detected by RemoteTech



Operator notified



Issue(s) addressed by service tech



Authorized personnel notified via email (optional)





UNPARALLELED STRENGTH

Hoist's line of quality liftrucks starts with a strong foundation. The P-Series chassis provides strength and durability by distributing weight evenly throughout the liftruck. The low-profile counterweight is designed to provide full lifting capacity without obstructing the operators view. The advanced chassis design allows the P-Series to be both compact and maneuverable, yet strong enough for the most demanding applications.



- 100% welded steel chassis with heavy steel cross supports provides strength and durability for heavy loads and rough environments
- Low chassis side plates allows easy access to the drive train
- Counterweight designs are low-profile for superior visibility and increased maneuverability
- Fuel and hydraulic tanks bolt onto chassis providing maximum protection, simplified hosing, convenient fill points and excellent heat dissipation
- Integrated lifting points for safe handling & transport





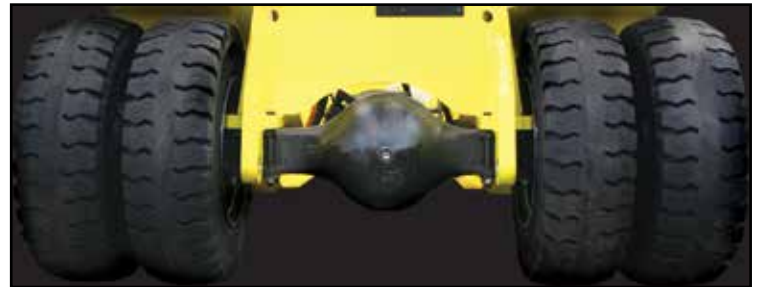
FULL CAPACITY RATING

Did you know that many other truck manufacturers lose as much as 2,500 lbs. or more on the rated capacity when adding a feature such as a side-shifting fork positioner? Not on a Hoist forklift. When you order a Hoist forklift, you receive the FULL capacity even if you add a feature such as a side-shifting fork positioner. So when you order a 36,000 @ 48, you WILL receive a true 36,000 @ 48 forklift.

Hoist manufactures ONLY rugged, heavy-duty forklifts with premium components and features, while maintaining competitive prices. We don't offer various levels of forklifts, such as light-duty or base-level models. With Hoist, you know what to expect from our machines: a solid, heavy-duty workhorse.

AXLETECH PLANETARY DRIVE AXLE

- Specifically designed and rated for durability in high-capacity off-road applications
- Unit is bolted and dowel-pinned in the chassis
- Force-cooled outboard wet disc actuated brakes, with separately filtered oil, reduces premature wear, extending life of brakes
- Brakes can be serviced through the wheel ends without removing entire drive axle



HEAVY-DUTY INDUSTRIAL STEER AXLE

- Thick top plate on welded beam steer axle provides added strength and durability
- Highly maneuverable in tight areas
- Dual-action bolt on cylinder is protected by heavy steel support beams and provides effortless power steering
- Lower maintenance costs due to minimal amount of moving parts
- Easy access to lubrication points
- Sealed tapered roller bearings
- High-impact greaseable composite trunnions



PAINT/FINISH

- Two-part rust-inhibiting polyurethane base coat and two-part polyurethane top coat for corrosion protection
- Chassis, Counterweight and Mast are painted; Balance of truck is powdercoated
- Powder Coat is 4 to 10 times thicker than traditional spray paint resulting in greater scratch and chip resistance
- Environmentally Friendly: Unlike traditional spraying powder coating produces zero, or near zero VOCs (Volatile Organic Compound)



P-SERIES OPTIONS

MAST & CARRIAGE OPTIONS:

- 2-Stage Hi-Vis Mast
- 2-Stage with Free Lift Mast
- 3-Stage Mast
- Additional Work Lights
- Coil Grab Hooks
- Coil Ram with Side Shift
- Extended Height Carriages
- Extended Width Carriages
- Fork Mounted Container Handlers
- Forging/Foundry Billet Grabs
- Independent Fork Positioner
- Integral Coil Ram
- Kissing Coil Radius Forks
- Lift/Tilt Accumulator
- Lumber Forks
- Magnets
- Mono Mast
- Multiple Pallet Handlers
- Oil Line Reel Lifting
- Pallet Forks
- Pipe Hold-Down Clamps
- Quick Change Carriage (Forks to Coil Ram)
- Quick Disconnect Hydraulic Connections
- Rotators
- Side Shifting Fork Positioner
- Slope Pile
- Tire Handler



CHASSIS & CAB OPTIONS:

- 12V Power Outlets
- Battery Disconnect Switch
- Additional Operator Fans
- Air Conditioner
- Air Filled, Foam Filled or Solid Tires
- Cold Weather Packages
- Defroster
- DVR Recorder
- External Cab Air Filtration System
- Extended Cab Height/Riser
- Fire Extinguisher(s)
- Forward/Rear & Combination Camera/Monitor Packages
- Fire Suppression Systems
- Forward or Mid-Mount Cab Positions (On Certain Models)
- Fully Enclosed Cab
- Heater
- Hydraulic Weight Scale
- Impact Sensor
- Overload Protection Indicator with Lift Interrupt
- Pedestrian Detection System
- Pre-Cleaner Intake Filter Above Engine Hood
- Removable Counterweight
- Step Lighting
- Top Wipers with Wet Arms
- Tire Pressure Monitoring System
- Trainer Seat Cabs



**MANY ADDITIONAL OPTIONS & PACKAGES AVAILABLE. CONSULT YOUR
HOIST REPRESENTATIVE WITH ADDITIONAL INQUIRIES**

www.hoistlift.com



SUPERIOR SERVICE

Hoist values our customers and understands the importance of maintaining relationships beyond the point of sale and is dedicated to providing quick parts support and satisfying service. The P-Series is designed to allow easy access to all integral components for maintenance and repair. Every component on a Hoist liftruck is sourced from the United States, with more than 75% of the components manufactured by Hoist. Over \$5 million in parts inventory is maintained in stock, allowing Hoist to provide the quickest replacement part lead times in the industry and provide excellent 24/7 parts/service support.



Your satisfaction is our #1 Priority! Our customer service doesn't end when you purchase a Hoist Liftruck. We want to ensure your satisfaction with Hoist for as long as you own our product. We understand the importance of minimizing downtime for repair or maintenance. Many companies lose hundreds, even thousands of dollars for each hour of downtime. Hoist's dedicated and knowledgeable staff is ready to assist you 24/7 with everything from parts to service support.

Every Hoist liftruck is backed by a company dedicated to complete customer satisfaction. From the initial contact, through the sale and for as long as you own a Hoist liftruck, our experienced staff works for you.

Hoist also has a worldwide dealer network that keeps a majority of its replacement parts in stock for immediate pick up or delivery, as well as technicians to assist with preventative maintenance and repairs. Visit www.hoistlift.com to locate your nearest Hoist dealer.





Taking your products to greater heights.

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Made in the USA



Hoist Liftruck Mfg., Inc. continually improves its products.
Specifications are subject to change without notice.