

P SERIES

PNEUMATIC LIFTRUCK



Taking your products to greater heights.

www.hoistlift.com



P SERIES

PNEUMATIC LIFTRUCK

The P-Series is the premiere liftruck for all your heavy-duty lifting needs. At competitive prices, the P-Series comes **STANDARD** as a heavy-duty level liftruck with premium components and features such as Cummins diesel engine, Dana transmission, Axle-Tech 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"-136"
P280-360@48	28,000-36,000 lbs	24"	136"
P400@36-48	40,000 lbs	36"	144"
P450@36-P550@48	45,000-55,000 lbs	36" - 48"	144"-170"
P600@48	60,000 lbs	48"	170"
P650@36	65,000 lbs	36"	170"
P650@48	65,000 lbs	36"	180"
P700@48	70,000 lbs	48"	190"
P800@48	80,000 lbs	48"	190"
P900@48	90,000 lbs	48"	225"
P920@48	92,000 lbs	48"	225"
P1100@48	110,000 lbs	48"	225"
P1150@48	115,000 lbs	48"	225"



SUPERIOR SERVICE

Hoist values its customers and understands the importance of maintaining the quality of the liftruck, as well as providing quick and satisfying service and parts support. The P-Series is designed to allow easy access to all its 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 in stock, Hoist is able to have the quickest 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.



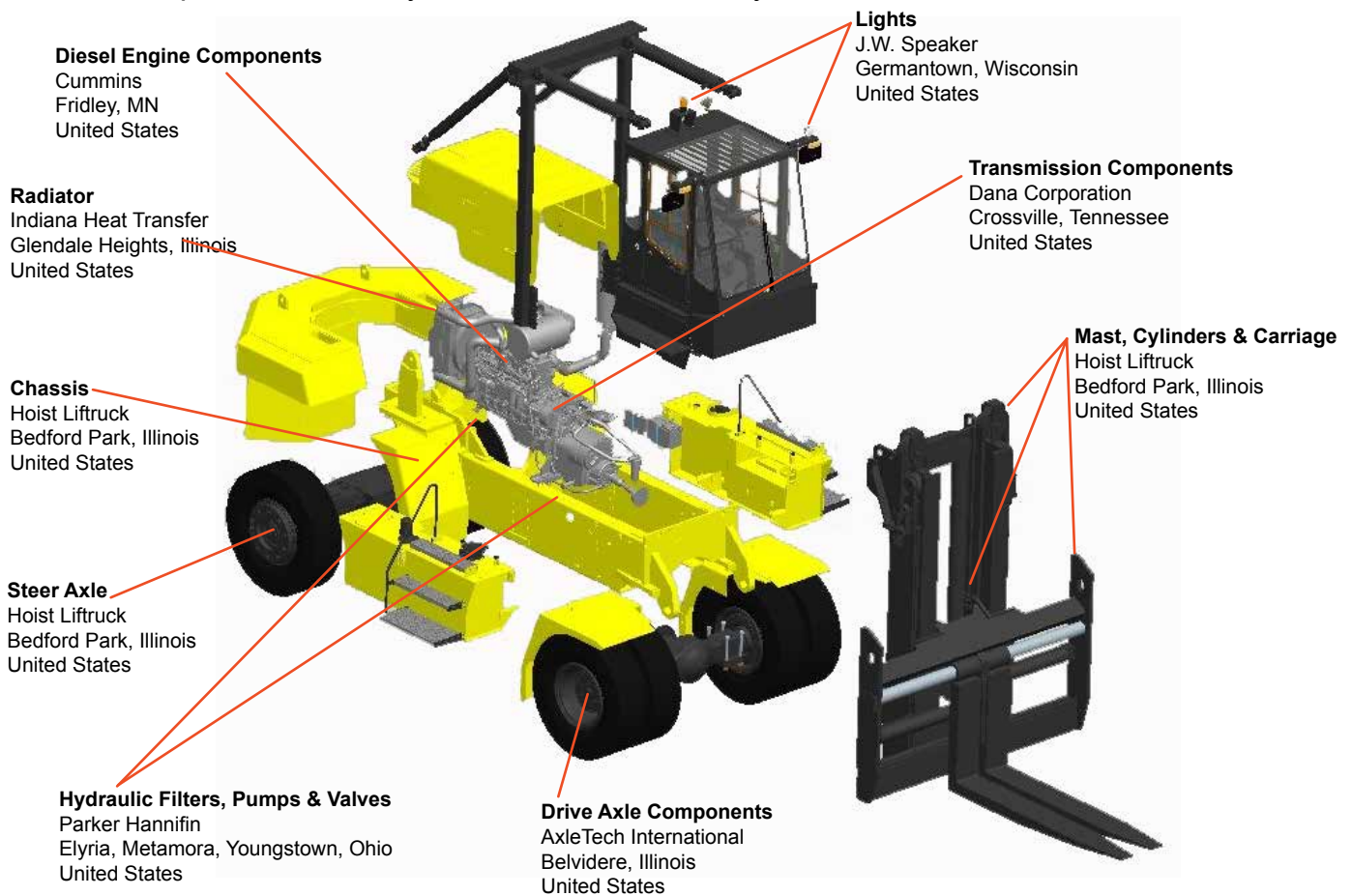


INNOVATIVE DESIGN

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 engineering staff uses 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 - 45,000 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
- Tilt-steering column. Easy entry and exit
- Adjustable air-ride seat and retractable seat belts
- Low, non-skid steps
- Insulated floor, ceiling and doors
- Tinted glass to minimize glare. Front/rear wipers
- 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
- Front/rear, individually controlled window washer/wipers
- An MD3 display shows hour meter, engine coolant temperature, oil and fuel levels, low battery, engine temperature 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 mast 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, side-shifting fork positioners, independent side-shifting fork positioner and side-shifts are optional.

- 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 circuit reduces shock on mast and load
- Flow control 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





P-SERIES OPTIONS

MAST & CARRIAGE OPTIONS...

- Pallet Forks
- Kissing Coil Radiused Forks
- Side Shifting Fork Positioner
- Independent Fork Positioner
- Coil Ram with Side Shift
- Integral Coil Ram
- Quick disconnect to be able to change from Forks to Coil Ram
- Carriage with Quick Change From Forks to Coil Ram
- Oil Line Reel Lifting
- Forging/Foundry
- Pipe Hold-Down Clamps
- Coil Grab Hooks
- Magnets
- Lift Accumulator
- Tilt Accumulator
- Additional Work Lights
- Fork Mounted Container Handlers
- Quick Disconnect Hydraulic Connections
- Extended Width Carriages
- Slope Pile
- Multiple Pallet Handlers
- 2 Stage Mast
- 2 Stage with Free Lift Mast
- 3 Stage Mast
- Mono Mast
- Tire Handler



CHASSIS & CAB OPTIONS...

- Removable Counterweight
- Air Filled, Foam Filled or Solid Tires
- Pre-Cleaner Intake Filter Above Engine Hood
- Training Seat
- Forward or Mid-Mount Cab Positions (On Certain Models)
- Open Cab
- 12V Power Outlets
- Fully Enclosed Cab
- Front, Rear, Top Wipers
- Cold Weather Package
- Heater
- Air Conditioner
- Defroster
- Additional Operator Fans
- Rear Camera Monitors
- Forward Camera Monitor
- Fire Extinguisher
- External Air Cab Filtration System
- Overload Protection Indicator with Lift Interrupter
- Hydraulic Weight Scale
- Battery Disconnect Switch
- Step Lighting
- Extended Cab Height/Riser
- Impact Sensor
- DVR Recorder





POWER & RELIABILITY

The **P-Series** carries 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 and 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.

- 6.7L and M11 available depending on capacity
- Tier 4i 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 LP gas engine (available on certain models)



The **Dana 32,000 & 36,000 + 8.1L**, three-speed automatic transmission has a true inching system, giving the operator precise vehicle control. The quality transmission reduces premature failure, as well as prevents directional shifting until travel speed is less than 1 mph.

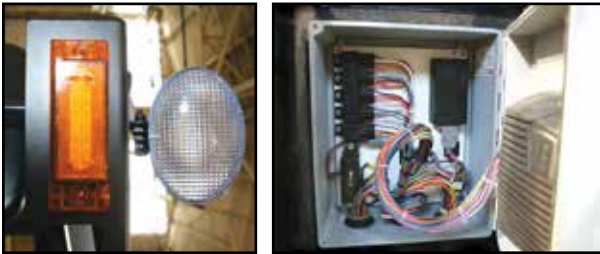
- Transmission cooling through a built-in heat exchanger in lower tank of radiator
- Transmission oil is filtered through a conveniently located remote-mounted filter purifying oil efficiently and safely
- 12-plate modulation for smooth forward/reverse shifting and added durability



The load-sensing hydraulic system performs heavy-duty tasks quietly while reducing power demands. It delivers responsive braking and steering functions, as well as prevents engine from stalling when any hydraulics function deadlocks.

- O-ring face seal fittings on entire system to prevent oil leaks
- Tilt-lock valve with counterbalance to prevent mast drift
- Large built-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 drain plug on bottom
- Sump tank provides cooling, bolted onto chassis for easy maintenance
- 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
- Manual reset circuit breakers fuses and anti-restart ignition switch
- Electrical system controls the LED headlights, tail lights, turn signals, backup lights, market 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 superior serviceability, preventative maintenance, vehicle monitoring, automated customer support and the ability to customize vehicle functionality. When an issue is detected, RemoteTech will automatically record the issue and notify the operator via MD3 display inside the cab, as well as via email sent to authorized personnel list detailing vital information of the issue. Service technicians can also quickly identify issues through electronic diagnostics and view fault code history. Many vehicle functions can be adjusted remotely, via modem, to an operator and/or company's preference in minutes.

- Unlike similar systems that rely on third-party companies to program and operate the system, RemoteTech is programmed and operated by Hoist. Customization and adjustments are made quickly to customer's preference.
- Decrease downtime and repair costs by identifying and resolving issues early
- Parameters such as vehicle/lifting speeds and electronic fingertip control functions can be adjusted remotely
- Detect 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 key code capabilities



Issue(s) detected by Remote Tech



Operator notified



Authorized personnel notified



Issue(s) addressed by service tech



UNPARALLELED STRENGTH

Hoist's quality line of liftrucks starts with a strong foundation. The P-Series chassis provides strength and durability while distributing weight evenly throughout the liftruck. The low-profile counterweight is designed to provide full lifting capacity while at travel speed. The advanced design allows the P-Series to be compact and maneuverable, yet strong enough to lift heavy loads.



- 100% welded steel chassis with heavy steel cross supports provides strength and durability for heavy loads and rough environments
- Low chassis side plate allows easy access to the drive train
- Welded 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 maximum safety and durability
- Two-part rust-inhibiting polyurethane base coat and two-part polyurethane top coat for corrosion protection





FULL CAPACITY RATING

Did you know that you could lose as much as 2,500 lbs. or more on the rated capacity if you add 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 applications
- Unit is bolted and dowel-pined in the chassis
- Force-cooled outboard wet disc actuated brakes, with separately filtered oil; Reduces premature wear, extending life on brakes
- Brakes can be serviced without removing entire drive axle



HEAVY-DUTY, INDUSTRIAL STEER AXLE

- Thick top plate on steer axle provides added strength and durability
- Highly maneuverable, especially 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

- Three-step paint process – moisture-cure zinc rich primer; catalyzed epoxy primer; and high performance gloss urethane – provides superior protection from fresh and salt water environments
- The 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)



Taking your products to greater heights.

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