



## P-SERIES

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22,000-125,000 lbs. (10-57 tonnes)

# BIG TRUCK MATERIAL HANDLING SOLUTION



Whether you need to handle 16 tons of lumber or 50 tons of pipe, our P-Series line of heavy-duty pneumatic lifttrucks are your BIG TRUCK material handling solution.

The P-Series strikes a unique balance of durability and ergonomics. These lifttrucks are engineered to withstand the rugged nature of outdoor applications while providing the operator with maximum comfort and control.

While focusing on robustness and comfort, we also understand that time is money. That's why each P-Series is engineered to provide optimal operating and fuel efficiency. The high-performance Cummins diesel engine is powerful, yet offer reduced fuel consumption and emissions. Features such as variable pumps adjust oil flow accordingly to provide quicker lifting cycles while also reducing fuel consumption.

As with all Hoist Lifttruck equipment, the P-Series is 100% made in the USA. More than 75% of each truck is manufactured at our Midwest factory with the remaining components sourced from reputable companies, such as Dana, Cummins and Parker.



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# EVERYTHING AT YOUR FINGERTIPS

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

- Meets ANSI B56.1 FOPS operator protection
- Low, non-skid steps & handrails provide 3-point contact
- Dashless cab design for additional leg room and improved visibility
- Finger-tip hydraulic controls; optional multi-functional joystick
- Master digital display unit provides onboard diagnostics, vehicle functions and more
- Tilt-steering column with directional/gear-shift lever
- Spring-apply/hydraulic-release parking brake
- Emergency stop button
- Adjustable air-ride seat and retractable seat belt
- Isolated rubber mounts between cab and chassis
- Insulated floor, cab walls and doors
- Lockable doors and greaseable hinges
- Cab heater and operator fan
- Top glass shade with steel overhead guard
- Tinted glass to minimize glare
- Individually controlled front/rear wipers

### **Optional Equipment:**

- 12-volt power outlets
- Air conditioner
- Cold-weather packages
- Battery-disconnect switch
- Defroster
- External cab air filtration system
- Extended cab height/riser
- Fire suppression systems; fire extinguishers
- Forward or mid-mount cab position
- Hydraulic weight scale
- Impact sensor
- Overload protection indicator with lift interrupt
- Pedestrian detection system
- Pre-cleaner intake filter
- Removable counterweight
- Lighting: step lights; additional work lights
- Tires: air-filled, foam-filled or solid
- Tire pressure monitoring system
- Top wipers with wet arms
- Whole-truck camera/monitoring packages

# MAST & CARRIAGE



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 features overhead tilt cylinders, which provide greater mast stability and reduced torsional stress.

For ultimate versatility and efficiency, equip your P-Series with our new Quick-Change Fork System (optional feature). This unique feature allows crews to switch between forks and coil ram in just minutes without removing the carriage pin!

- Pin-mount, machine-contoured forks (high or low position)
- Greaseable mast pivots constructed with wear-resistant bronze bushings and hardened steel pins
- Welded-nested channels with lift cylinders secured directly behind mast rails
- Safety valves built into base of lift cylinders for controlled lowering in the event of a hose failure
- Lift chain and optional attachment hosing located inside inner mast rail
- Chrome-plated rods on cylinders for easy seal replacement
- Main and side thrust rollers are impact-resistant and designed to reduce friction; rollers are properly lubricated and sealed

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# MAST & CARRIAGE



## Optional Equipment:

- Quick-Change Fork System
- Two-stage Hi-Vis or Free-Lift mast
- Three-stage or mono mast
- Side-shifting or independent fork positioner
- Lift/tilt accumulator
- Extended height and width carriages
- Quick-disconnect hydraulic connections



# POWER



A BIG TRUCK needs robust and reliable power in order to operate effectively and safely. The P-Series is powered by a high-performance Cummins diesel engine, three-speed automatic powershift Dana transmission and load sensing hydraulic system, which offer power, increased productivity and fuel efficiency.

- 160 HP to 380 HP Cummins diesel engine (depending on capacity)
- Tier 3 and Tier 4 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 (certain models only)
- Dana 32,000 or 36,000 transmission (depending on capacity)
- Transmission cooling through dedicated heat exchanger
- Easy-access remote-mounted oil filter



- 12-plate modulation for smooth shifting and added durability
- Load-sensing hydraulic system with variable pumps adjust oil flow accordingly to provide quicker lifting cycles while also reducing fuel consumption
- Integral safety function prevents engine stalling when hydraulic system is dead-heading
- O-ring face seal fittings on system prevent oil leaks
- Tilt-lock valve with counterbalance to prevent mast drift
- Bolt-on hydraulic tank with suction strainers and high-capacity return line filters; large clean-out covers on top for easy access and convenient drain plug on bottom
- External sump tank provides additional system cooling
- Hydraulic 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
- Color-coded electrical wires enclosed with split-tubing wire loom wrap using sealed weather pack connectors
- Two 12-volt, industrial batteries mounted in easy-access compartment
- Electrical system controls LED headlights, tail lights, turn signals, backup lights, marker lights, brake lights and LED amber strobe light; lights are completely sealed and last approximately 10,000 hours

# STRENGTH



Hoist Liftruck's line of BIG TRUCKS starts with a strong foundation. The modular design of the P-Series provides excellent serviceability without sacrificing strength or durability. The P-Series has been designed and tested to meet or exceed current, worldwide regulations for stability, sound levels and safety.

Anchoring the P-Series is the 100%-welded steel chassis, which boasts heavy steel cross supports to distributing weight evenly throughout the truck. Bolt-on components, such as fuel and hydraulic tanks, provide additional durability and optimal heat dissipation, as well as easy removal and attachment for repairs or shipping. Integrated lifting points also allow for safe handling and transport.

**Did you know that many other forklift brands may lose more than 1 ton on the rated capacity when adding a feature such as a side-shifting fork positioner? Not on a P-Series. You receive the full rated capacity even if you add a feature such as a side-shifting fork positioner.**



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# STRENGTH



## AxleTech Drive Axle

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

## 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

- Lower maintenance costs due to minimal amount of moving parts
- Easy-access 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
- Majority of components are powder-coated, which is up to 10 times thicker than traditional spray paint resulting in greater scratch and chip resistance
- Environmentally friendly; produces virtually no volatile organic compounds (VOCs)

# SERVICEABILITY



We understand the importance of being able to service your lifttruck easily and efficiently. Whether it's routine maintenance or an on-site service call, the P-Series is designed to allow easy access to all integral components to minimize downtime.

Reach the entire drivetrain, hydraulics and filters via hinged panels and hoods supported by gas shocks. The popular hydraulic diagnostic multi-gauge provides operators and technicians various hydraulic pressure readings with just a twist of the dial, eliminating the need to tap into individual hydraulic lines.

Every component on the P-Series is sourced from a reputable vendor or manufactured by Hoist Lifttruck. Utilizing the same domestic components throughout our product lines provides you with not only cost savings, but also a large inventory of parts available for immediate shipment.

The P-Series comes with a standard 12-month/2,000-hour warranty (parts and labor) with optional extended warranties up to 12,000 hours.



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# REMOTETECH



*Issue(s) detected by RemoteTech*



*Operator notified*



*Issue(s) addressed by service tech*

*Authorized personnel notified via email (optional)*

Utilizing CANbus technology, RemoteTech is a vehicle management system incorporated into the P-Series that provides onboard diagnostics and vehicle functions through a master digital display unit. RemoteTech's master digital display unit replaces gauges, such as speedometer, fuel and engine temperature, allowing comprehensive vehicle monitoring from a central hub.

Vehicle functions, such as lifting and vehicle speeds, can be quickly adjusted remotely in just a few minutes. Service technicians can also quickly detect issues through RemoteTech's master digital display unit and view or download the vehicle's fault code history.

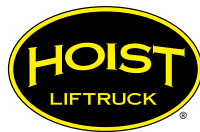
- Unlike similar systems that rely on third-party companies to program and troubleshoot the system, RemoteTech is programmed and operated by Hoist Liftruck.
- Automatically detects issues such as clogged filters, overheated engine, vehicle overload and more
- Decreases downtime and repair costs by detecting and resolving issues early
- Parameters such as lifting speeds and fingertip control functions can be quickly and easily customized to fit operator preference
- Ideal for fleet management; record and monitor engine hours, service intervals and operator usage



## RED, WHITE & BLUE COLLAR

All Hoist Liftruck products are manufactured and assembled entirely in the United States. Our roots date back more than 95 years and we take great pride in being a true U.S. manufacturer of material handling equipment.

We have diverse and dedicated workforce who strive for excellence in representing not only Hoist Liftruck, but also America.



Hoist Liftruck Mfg., Inc. | 6499 W. 65th St. | Bedford Park, IL 60638  
PHONE: 800.367.5600 (US & Canada) | FAX: 800.367.5605 (US & Canada)  
PHONE: 708.458.2200 (International) | FAX: 708.458.1176 (International)

[HOISTLIFT.COM](http://HOISTLIFT.COM)

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

