

# Neptune



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The Neptune Series offers premium **STANDARD** features ideal for your marina and boat handling needs. These standard features include galvanization, powder coating, and a three-step paint process for maximum corrosion protection; advanced rubber fork covering system, intuitive electronic joystick controls, luxury air-ride seat, tier-compliant Cummins diesel engine, algae filtration system, and RemoteTech vehicle management system.



*capacity - 24,000 lbs.*



*capacity - 55,000 lbs.*



*capacity - 20,000 lbs.*



*capacity - 35,000 lbs.*



# INNOVATIVE DESIGN

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

Hoist's 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 all of the same North American components throughout its entire product line to keep costs low and make parts immediately available 24-hours a day.



**capacity - 20,000 lbs.**



**capacity -  
55,000 lbs.  
&  
25,000 lbs.**

***The low-profile  
counterweight  
provides excellent  
rear visibility  
& increased  
maneuverability***

# OPERATOR COMFORT

*For maximum performance an operator must have all the essential tools at his or her fingertips. The Neptune Series is designed with advanced ergonomics for maximum comfort and productivity.*



## Standard Features:

- Meets ANSI B56.1 FOPS operator protection
- Declutch control pedal
- Intuitive electronic controls provide effortless operation; mimics the movement of the forks and carriage
- Gauges/auxiliary controls located next to operator seat. MD3 display shows hour meter, all engine functions, filter restrictions, low battery and RemoteTech functions
- Hydraulic controls can be adjusted via MD3 display and customization by operator is possible (Password protected)
- Tilt-steering column. Easy entry and exit
- Directional/gear-shift lever on steering column
- Luxury air-ride seat and retractable seat belts
- Low, non-skid steps and handrails provide 3-point contact
- Overhead guard with top Lexan panel
- Splash guard in front of operator platform
- Optional wireless remote control available to handle boats outside of operator platform (3 and 4 function)
- Spring-applied, hydraulic-released parking brake
- Enclosed cab optional. Features available with enclosed cab include: heating and/or air conditioning unit, front/rear/top washer/wipers, tinted glass and key-lock doors
- Rear collision sensor notifies operator via visual and audible warning of persons or objects within a predetermined distance around the rear of the vehicle





# SUPERIOR VISIBILITY

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



The Neptune Series' two-stage, wide-view mast is constructed with mast channels, lift cylinders, chains and hoses placed as far outboard as possible to provide the operator the largest visibility window possible.



- Overhead tilt cylinders provide excellent stability and visibility.
- Main rollers are lubricated and sealed with grease points on each side of mast. All mast lubrication can be accomplished at ground level.
- 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.
- Accumulator in lift 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 Neptune Series carries on the Hoist reputation of reliable and durable lifttrucks. While some high-quality components are optional on other lifttrucks, Hoist makes them standard for a true heavy-duty forklift designed to exceed customer expectations.*



**The high-performance Cummins electronic turbocharged 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 and optional silencer
- Bolted open-core radiator with high-capacity cooling system
- 100-amp alternator with built-in regulator (amps vary with capacity)
- Optional GM 5.7L & 8.1L LPG engine (available depending on capacity)

**The Dana 32000 & 36000 series three-speed powershift transmission 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.**

- 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.
- MD3 display allows hydraulic settings to be customized as well as allowing technician to troubleshoot the unit







- Standard 12-volt electrical system throughout forklift
- All electrical wires are color-coded and enclosed with split-tubing wire-loom wrap using sealed weather pack connectors to protect against abrasion. Fuses and relays are located inside a sealed weather tight enclosure placed for ease of access
- Two 12-volt, industrial batteries mounted in the lower flip-open step compartment for easy accessibility. An optional jumper cable assembly with battery connector is available to jump-start disabled boats and other marine equipment
- Automotive style fuses and anti-restart ignition switch
- LED headlights, tail lights, turn signals, backup lights, marker lights, brake lights and LED strobe light. All lights are completely sealed and last 10,000 hours

# REMOTETECH

Utilizing CANbus technology, RemoteTech is a vehicle management system incorporated into the Neptune 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*



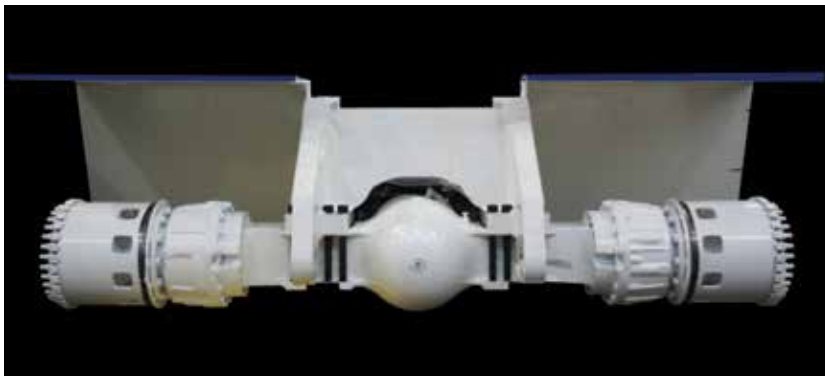
*Authorized  
personnel notified  
via email (optional)*



# UNPARALLELED STRENGTH

*Hoist's line of quality liftrucks starts with a strong foundation. The Neptune Series chassis provides strength and durability while 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 Neptune 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 bolted onto chassis providing simplified hosing, convenient fill points and excellent heat dissipation
- Integrated lifting points for safe handling and transport



## 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
- Forged steer knuckle provides maximum life
- Oversized steer linkage

## AxleTech planetary drive axle:

- Specifically designed and rated for durability in high-capacity 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



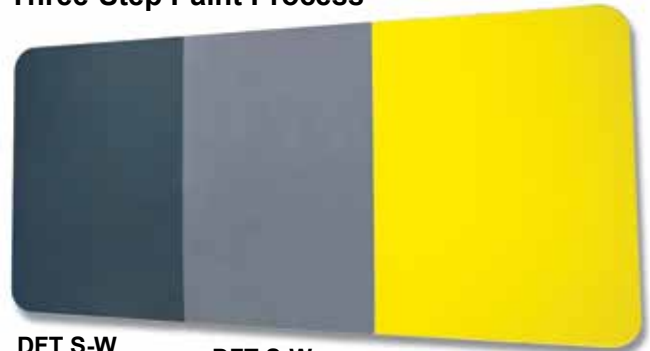


# MAXIMUM PROTECTION

*In a marina environment, protection against moisture and salt is crucial. The Neptune Series is protected by galvanized components and a three-step paint process, which is STANDARD on all Neptune Series liftrucks. Hoist understands the importance of protecting not only the liftruck itself, but also the boats that it handles. The advanced rubber fork covering system and swing-style fork carriage securely handles all types of boats and protects them from damage.*

- Galvanized forks and carriage for ultimate corrosion protection
- Full-frame and lower mast undercoating
- Stainless steel hydraulic bulkhead fittings in carriage and on mast and drive axle
- Stainless steel fasteners and bolts on exposed components
- Stainless steel, corrosion-resistant rods, ends and pins on swing cylinders
- Lubricated mast rollers. Rollers and lift chain anchor points remain out of the water at maximum negative lift
- Wear pads are made of cutting-edge material for long life and corrosion protection
- Three-step paint process on chassis and mast
- Optional custom paint design available
- All items on lift besides chassis and mast are powder coated.
- 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)

## Three-Step Paint Process



DFT S-W  
Moisture  
Cure Zinc  
Rich Primer

DFT S-W  
Catalyzed  
Epoxy Primer

DFT S-W  
High-Performance  
Gloss Urethane



The standard swing-style fork carriage allows the forks to operate independently or simultaneously. The marina forks (fork sizes can be customized for specific needs) are made of heavy-wall tubular construction and are hot-dip galvanized to protect against corrosion inside and out. The extruded rubber fork covering system provides added protection and is extremely resistant to cuts and tears. Each fork is covered with five bolt-on rubber sections, allowing sections to be easily unbolted and rotated to prevent uneven or premature wear. An optional shifter spreader fork carriage is available.



# 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 Neptune 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.*



Hydraulic oil level temperature gauge is located on the side of the liftruck for easy viewing.



MD3 display provides operator filter restriction alerts.



Daily checks and routine maintenance are simple with easy-lift hood, which is supported by a gas cylinder. Once opened, fluid, filter and other service points are immediately within reach.



Located on both sides of the forklift, flip-open panels allow quick and easy access to the complete drive line, batteries and hydraulic multi-gauge.



Hydraulic pressure can be easily read by lifting up a flip-open step and twisting gauge. This eliminates downtime due to hydraulic system issues and eliminates the need to tap into hydraulic lines and potentially contaminate the marine environment.



The combination of in-house manufacturing and reputable, domestic vendors, allows Hoist to offer industry best lead times. Hoist's standardization of components not only helps with fast lead times, but more importantly provides customers with excellent service and parts support. By providing a single, premium brand such as Cummins diesel engines and AxleTech drive axles, Hoist is able to provide maximum support for each component. While other manufacturers may provide a wide range of options, sufficient support for each of those options may not be consistent.



Hoist's Machining department, which consists of more than 15 CNC work cells, operates 24 hours a day machining various parts for components such as cylinders, steer axles and wheels. This in-house capability ensures fast and accurate machining, reduced lead times and superior parts 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 recognizes the magnitude that the decision to purchase a new marina forklift represents to many of our customers. Hoist's engineers and marina truck experts are always available to not only discuss applications but are also available to conduct on-site facility reviews. We want to insure that not only is the truck properly sized and has sufficient room to maneuver, but also to assist our customers in optimizing efficiency and maximizing potential revenue.

Hoist also has a worldwide dealer network that keeps a majority of 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](http://www.hoistlift.com) to locate your nearest Hoist dealer.



- 24 month/4,000 hour warranty (parts & labor).  
Optional extended warranties up to 10,000 hours
- Operator, parts and service manuals included
- 24 hour parts and service support

**[www.hoistlift.com](http://www.hoistlift.com)**



*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.