BIG TRUCKS FORGED IN AMERICA

Neptune Series 15,000-60,000 lbs. (7-30 tons)
The Neptune Series handles boats with care, style and class. This sleek lift truck is perfect for a marina or boat storage facility of any size.

The spacious cab, air ride seat and tilt steering provide maximum comfort for the operator. Intuitive electronic joystick controls and superior visibility allow for safe and effortless handling, as well as fast cycle times. The advanced rubber fork covering system securely grips boats without damage. Galvanization and a three-step paint process provide maximum corrosion protection.

While focusing on robustness and comfort, we also understand that time is money. Each Neptune Series is engineered to provide optimal operating and fuel efficiency. The high-performance Cummins Diesel engine is powerful, yet offers reduced fuel consumption and emissions. Features such as variable displacement pumps adjust oil flow accordingly to provide quicker lifting cycles while also reducing fuel consumption.

As with all Hoist Liftruck equipment, the Neptune 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.

**Capacity Range:** 15,000 - 60,000 lbs. (7-30 tons)

**Wheelbase:** 115 - 170 in. (2,921-4,318 mm)

**Load Center:** 96 in. (2,438 mm)
In order to handle and transport boats safely around a marina, operators must have all the essential tools around them. The Neptune 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 and handrails provide 3-point contact
- Dashless cab design for additional leg room and improved visibility
- Intuitive electronic controls provide effortless operation, mimicking movement of forks and carriage
- Master digital display unit provides onboard diagnostics, vehicle functions and more
- Adjustable air-ride seat and retractable seat belt
- Tilt-steering column with directional/gear-shift lever
- Spring-apply/hydraulic release parking brake
- Emergency stop button
- Steel overhead guard
- Splashguard in front of operator platform
- Rear collision/pedestrian sensors
- Air-filled tires

**Optional Equipment**

- Solid, non-marking tires
- Wireless remote control
- Autolube
- Residential Sound Package
- Side Shifting Fork Positioner Carriage (in place of Swing-Style Carriage)
- Air conditioner/heater
- Enclosed cab with lockable doors
- Camera/monitoring packages
- Fire suppression systems; fire extinguishers
With an updated control layout featuring the new MD4 Smart Screen Technology interactive display, the Neptune Series is more productive and user-friendly than ever before. Operators have an array of diagnostic capabilities and features at their fingertips, including the Rack Height Calculator to determine safe working loads and prevent accidents while moving boats into dry stack storage.

- Rack height calculator
- Hydraulic diagnostics
- Graphic electric diagnostics
- Engine parameters
- Reference library including operator and service manuals
- Adjustable preference settings
- Warning messages
- Data logging
- Optional startup checklist
- Operator login
- Optional camera(s)
- Bluetooth connection

The Rack Height Calculator, shown above, determines safe lifting heights for any boat using measured boat weight with inputs for boat length and drive style.
In a marina environment, it is imperative for operators to see all operations to the front, sides, behind and above them. The Neptune Series is designed with a two-stage, wide-open mast and unique, low-profile counterweight to provide the operator with unobstructed views in all directions.

The optional radio remote control provides full control from any vantage point for the operator, whether working from the dock or in confined spaces in a boat barn. The radio remote control includes the following:

- 4 function configuration, per customer’s preference for mast/fork operation (Example: Primary lift, tilt, left fork, right fork)
- IP rated
- Emergency stop and horn
- Battery status LED
- Quick charge battery
- Easy to use controls
- Operator safety harness included
A big truck requires robust and reliable functionality to operate effectively and safely. The Neptune Series is powered by a high performance Cummins Diesel engine, three-speed powershift Dana transmission and a load-sensing hydraulic system, which contributes not only power, but also increased productivity and fuel efficiency.

- 164 HP to 260 HP Cummins diesel engine (depending on capacity)
- 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
- Easy-access remote-mounted oil filter
- 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 32000 transmission
- Transmission cooling through dedicated heat exchanger
- 12-plate modulation for smooth shifting and added durability
- Integral safety function prevents engine stalling when hydraulic system is dead-heading
- Load-sensing hydraulic system with variable pumps adjust oil flow accordingly to provide faster lifting cycles while also reducing fuel consumption
• O-ring face seal fittings on entire system to 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
• Filters are easily accessible for quick replacement
• 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
The Neptune Series starts with a strong foundation. The modular design provides excellent serviceability without sacrificing strength or durability. The Neptune Series has been designed and tested to meet or exceed current, worldwide regulations for stability, sound level and safety.

Anchoring the Neptune Series is the 100%-welded steel chassis, which boasts heavy steel cross supports to distribute 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.

**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 lubrication points
- Sealed tapered roller bearings
- High-impact graspable composite trunnions

**AxleTech Drive Axle**
- Planetary drive axle rated for durability in high-capacity, off-road applications
- Force-cooled outboard wet disc brakes reduce 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
Protection against moisture and salt is crucial in a marina environment. The Neptune Series is protected by galvanized components and a three-step paint process. This safeguards not only the lift truck, but also the boats that it handles. Rather than a powder coat finish, which rusts and chips easily when exposed to saltwater, each Neptune is wet sprayed for a stronger hold and finish.

The three-step paint process prevents rust and corrosion on the lift truck. To start, a moisture cure Zinc is sprayed on to act as a base. The Zinc primer keeps rust secluded to one area even when exposed to metal, preventing the rust from spreading across other parts of the lift truck. An Epoxy primer is then sprayed to seal in the Zinc primer and provide an additional layer of protection for the lift truck. To top everything off, a high-performance gloss Urethane coat gives the Neptune its color and one final protective layer.

**Paint/Finish**
- Three-step paint process preventing rust and corrosion
- Environmentally friendly; Produces virtually no volatile organic compounds (VOCs)
- Galvanized forks and carriage
- Stainless steel components (e.g. fittings, fasteners, bolts, rods, pins)
- Optional custom paint design available
The Neptune Series is designed with a two-stage, wide-open mast and unique low-profile counterweight to provide the operator with unobstructed views in all directions.

The standard swing-style fork carriage allows the forks to operate independently or simultaneously. The forks are made of heavy-wall tubular construction and are hot-dip galvanized to protect against corrosion. 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.

- Lifting height of 42’ positive lift or more, includes stabilizing cylinders on the steer axle
- Lift chain and optional attachment hosing protected inside inner mast rail
- Polymer roller blocks replace traditional carriage rollers and are a direct interchange; blocks are designed so that when one side wears, they can be rotated 90o to provide a new surface drastically increasing service life
- Greaseable mast pivots constructed with wear-resistant bronze bushings and hardened steel pins
- Velocity fuses and holding valves are integrated into the lift circuit to safe-guard against hydraulic failures
- Chrome-plated rods on cylinders for easy seal replacement
- Oversized steer-linkage components intended for static turn environment

Optional Equipment
- Shifter spreader fork carriage
- Custom fork sizes
- Additional work lights
Lift trucks require routine maintenance in order to keep marinas running and boats moving. The Neptune Series is designed to allow easy access to all integral components for maintenance and repair, thanks to a modular design chassis. In addition to simplified maintenance, each component on a Neptune Series is sourced from the United States, with more than 75% of each lift truck manufactured in-house in Hoist Liftruck's Midwest manufacturing facility. Over $5 million in parts inventory is maintained in stock for fast replacement part lead times, along with a full parts/service support team available 24/7.

**Well-placed serviceability:**

- Hydraulic oil level temperature gauge is located on the side of the lift truck for easy viewing
- MD4 display provides operator filter restriction alerts
- Daily checks and routine maintenance are simple with easy-lift hood, which is supported by a gas cylinder; Fluid, filter and other service points immediately within reach once hood is opened
- Flip-open panels on both sides of the forklift for easy access to drive line, batteries and hydraulic multi-gauge
- Hydraulic pressure easily read by lifting up flip-open step and twisting gauge
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.