

FR-SERIES





The Hoist Liftruck FR Series is the newest addition to the Hoist Liftruck lineup. Designed with riggers in mind, the FR Series has an extendable frame to increase loading capacity and stackable counterweight plates for easy transport.

Paired with a removable boom, the FR Series Liftruck is the ultimate tool for moving heavy machinery safely and effortlessly.



MODEL	BASIC CAPACITY		LOAD CENTER	WHEELBASE	
	RETRACTED	EXTENDED		RETRACTED	EXTENDED
FR 25/35	25,000 lbs.	35,000 lbs.	24"	76"	112"
FR 40/60	40,000 lbs.	60,000 lbs	36"	98"	146"
FR 60/80	60,000 lbs.	80,000 lbs	36"	120"	168"

Complete capacity charts available for each model

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 Liftruck forklift. When you order a Hoist Liftruck forklift, your truck is rated for FULL CAPACITY even if you add a feature such as a side-shifting fork positioner.



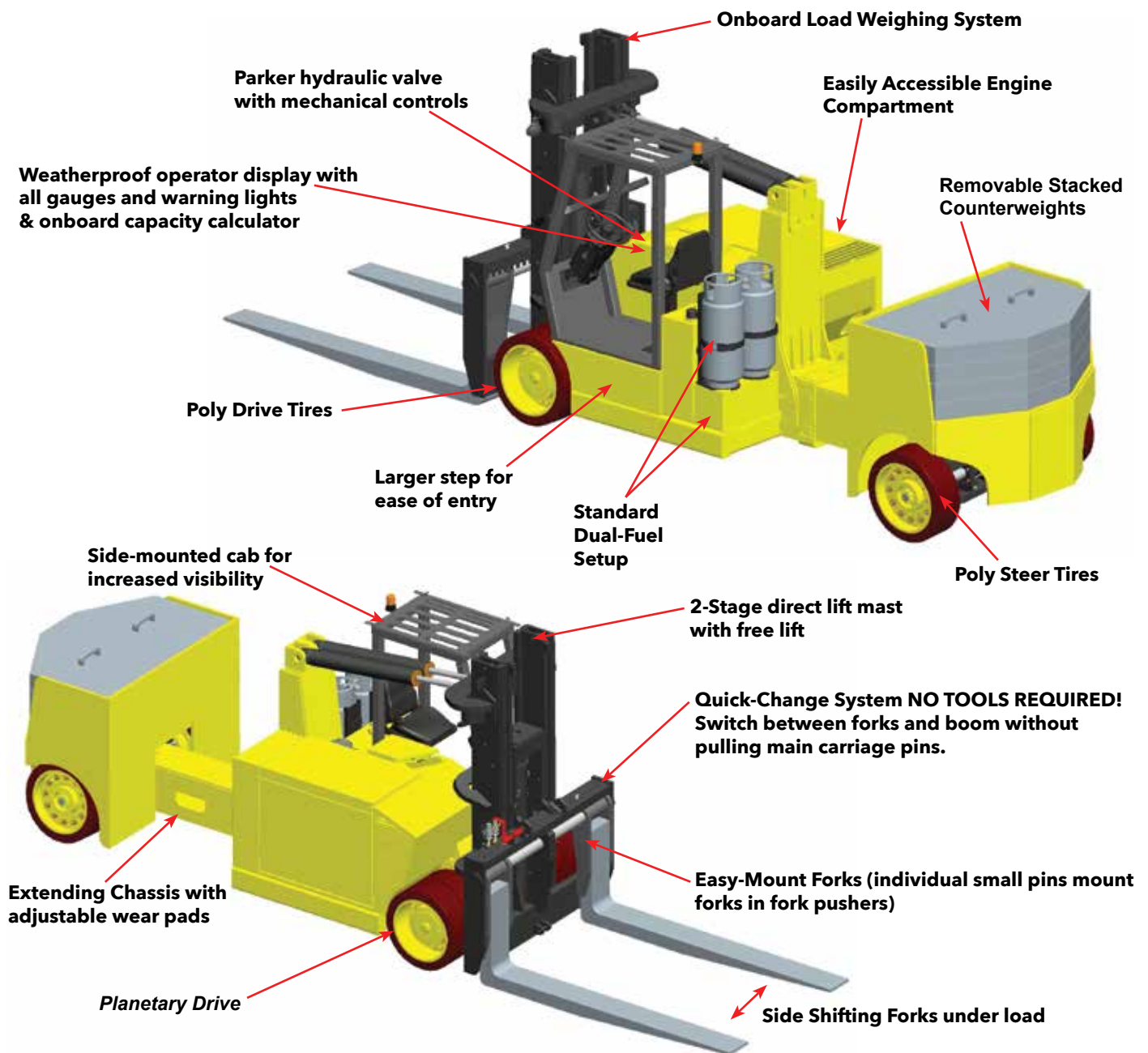


INNOVATIVE DESIGN

Not only is the FR 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 liftruck design engineers utilize the latest CAD three-dimensional solid modeling technology to develop the highest quality lift trucks in terms of performance, durability, operator safety, comfort, visibility and serviceability.

Hoist also 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.



This print contains data proprietary to Hoist Liftruck Mfg., Inc. It shall not be traced, reproduced, submitted to outside parties, or used in any other manner detrimental to the interest of Hoist Liftruck Mfg., Inc.



OPERATOR SAFETY & COMFORT

For maximum productivity the operator must have a safe work environment and all the essential tools around them. The FR-Series is designed with advanced ergonomics for maximum comfort and visibility.

STANDARD FEATURES

- Overhead guard meets ANSI B56.1 FOPS operator protection MD3 display provides digital gauges for water temperature, fuel level and oil pressure. Other features include a capacity calculator, tachometer, load weight indicator, battery indicator, parking brake indicator and RemoteTech warning/service messages.
- Rubber-mounted cab, isolated from the frame to reduce vibration with noise levels as low as 77 db.
- Left-side operator position for improved visibility
- Non-skid step for easy entry/exit design from left side of the truck
- Padded floor mat
- Tilt-steering column; Easy entry & exit
- Illuminated digital instrument display
- "Soft-touch" hydraulic levers
- Horn button and steering knob mounted on steering wheel
- Spring-applied, hydraulic-release parking brake
- RPM selector switch



Fingertip hydraulic controls, gauges and switches are located to the right of the operator's seat, out of the way, but easily within operator's reach.



MD3 display, located to the right of the operator's seat, provides digital gauges for water temperature, fuel level and oil pressure. Other features of the MD3 display include capacity calculator (pictured above) tachometer, battery indicator, parking brake indicator and RemoteTech warning/service messages.



FR 25-35 open cab



FR 40-60 open cab



BOOM & FORKS

QUICK CHANGE SYSTEM

The Quick-Change fork pins allow the operator to quickly and easily remove the forks from the carriage **WITHOUT ANY TOOLS**. This system also eliminates the need to remove the much larger and heavier main carriage fork pins.



SIDESHIFTING UNDER LOAD

The FR Series is available with an optional sideshifting carriage capable of shifting under full load. This leads to more effective and precise operation, as it allows the operator to adjust the load without having to reposition the truck.

BOOM STAND

The FR Series Boom Stand holds the boom securely when the boom is not being used. The Boom Stand also has a collapsible front support for easy transport and storage, and at maximum spread the forks straddle the boom stand for ease of alignment.



FR Series Boom Stand Collapsed



FR Series Boom Stand



POWER & RELIABILITY

The FR-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 industrial GM engine is proven to stand up to the most rugged applications, meets current emission standards, and is extremely quiet.

- Standard GM Dual-Fuel Engine
- EZ mount, LP tank brackets (tanks not included)
- Multiple PRM settings

Premium Rexroth hydrostatic drive is built for reliability and extended service life.

- Hydrostatic drive with variable RPM control
- Externally mounted charge pump and integral filter allow for easy maintenance

Heavy-Duty Planetary Drives

- Designed for high load capacities & high torque applications
- Double reduction design
- Precision ground heat treated gears

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





HYDRAULICS

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, and prevents engine stalling when hydraulic functions are deadheaded.

- Soft-touch control levers allow smooth, comfortable, controlled operation
- Load-sensing, on-demand system provides smooth and reliable control while limiting demand on the power-plant
- Piston pump provides superior control and quiet operation
- Fuse in the lift cylinder protects against sudden loss of pressure. If lift hose breaks, lift cylinder locks safely in position.
- O’ring face seal fitting utilizes throughout system to prevent oil leaks
- Tilt-lock counterbalance valve to prevent mast drift
- Large bolt-on hydraulic tank with suction strainers and high-capacity return line filter for maximum efficiency
- Filter is easily accessible for quick replacement



ELECTRICAL

- Standard 12-volt electrical throughout forklift
- All electrical wires are color-coded and enclosed with a split-tubing wire loom using sealed Weather Pack connectors
- 12-volt, industrial battery
- LED work lights and LED amber strobe light are completely sealed and last approximately 10,000 hours





UNPARALLELED STRENGTH

As with all Hoist Liftrucks, the FR Series starts with a strong foundation. From the backbone of the machine, the heavy box section main frame, to the robust formed crossmembers, the FR Series chassis provides both strength and durability by distributing weight evenly throughout the truck.

The extending counterweight is designed to provide ample stability at full capacity and extended load centers, yet is compact enough for maneuvering in tight areas. The advanced chassis design allows the FR Series to be strong enough for the most demanding of applications while operating in confined spaces.



- Fully welded steel chassis with heavy cross supports provides strength and durability for heavy loads and extended load centers
- Low-profile chassis allows for easy access to drivetrain and all major components
- Stackable counterweight plates interlock to remain securely in place
- Bolt-in fuel and hydraulic tanks protected within chassis and provide simplified hosing, convenient fill points and excellent heat dissipation
- Recessed tow pin in counterweight
- Integrated lift and lashing points for safe handling and transport





FR-SERIES FEATURES & OPTIONS

HOIST STANDARD FEATURES THE COMPETITORS DON'T OFFER:

- **No Tools Required (A)**
- Quick-Change Attachment Design
- Rapidly Switch Between Boom & Forks
- **Tilting Steer Column (B)**
- **Diagnostic Multi-Gauge (C)**
- Industrial Best Lead Times
- Delivery in 20 Weeks or Less
- **MD3 Display (D)**
- Waterproof (IP Rated)
- Exact Capacity Calculator
- Built-in Hour Meter



HOIST OPTIONAL FEATURES THE COMPETITORS DON'T OFFER:

- Wet Disc Service Brakes - Select models
- **Rear-View Camera with Monitor (E)** - Available for all models
- **Air Ride Seat (F)** - Available for all models



HOIST STANDARD FEATURES:

- **Extending Chassis (G)**
- With Easily Adjustable Wear Pads
- Articulating Steer Axle
- **Removable Stacked Counterweights (H)**
- **2-Stage Direct Lift Mast with Free Lift (I)**
- Boom & Boom Stand - Available for all models



HOIST OPTIONAL FEATURES:

- **Remote Control (J)**
- SS/FP Carriage - Shifts Under Full Load - Available for all models
- Powered Fork Positioner - Available for all models
- Side-Shift Carriage - Available for all models
- Remote Control - Available for all models
- Dual-Fuel - Available for all models



PAINT/FINISH

- Two-part rust-inhibiting polyurethane base coat & 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 & chip resistance
- Environmentally Friendly: Unlike traditional spraying, powder coating produces zero, or near zero VOCs (Volatile Organic Compound)



SERVICEABILITY & DIAGNOSTICS

Designed to minimize downtime, the FR Series boasts excellent access and diagnostic capabilities not found on comparable products.

- Easy access battery compartment and fuses
- Adjustable wear pads NO DISASSEMBLY
- Excellent engine compartment access
- Large side door
- Overhead hood supported by gas shocks
- Hydraulic Multi-gauge
- Removable center section hydraulic cabinet with removable access panels
- MD3 Customizable to add service/contact screens



Various pressures can be taken throughout the hydraulic system simply by twisting the multi-gauge to its various positions, resulting in reduced downtime.



Swing out covers and hinged access panels with gas shocks provide easy access to all major components and service checks throughout the entire FR Series product line.



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 FR-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.

Hoist Liftruck Mfg., Inc.

6499 West 65th Street

Bedford Park, IL 60638 USA

T: 800.367.5600 (US & Canada)

F: 800.367.5605

T: 708.458.2200 (International)

F: 708.458.1176

www.hoistlift.com

Made in the USA



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