

E30-40HSD₃SERIES



**STRONG PARTNERS.
TOUGH TRUCKS.™**

COUNTERBALANCED ELECTRIC, CUSHION TIRE

E30-40HSD₃ SERIES

From dock to stock and anywhere in between, the Hyster® E30-40HSD₃ series is your versatile materials handling workhorse. Engineered with superior ergonomics, these 3,000 to 4,000-pound capacity three-wheel stand-up lift trucks are easy to operate and easily demonstrate that increased operator comfort helps to improve productivity.

At Hyster Company, we believe your operators should make our lift trucks work harder – not the other way around. The E30-40HSD₃ series features an intuitive flex-stance compartment design and suspended floor system, as well as exceptional maneuverability and low effort hydraulic control. As a result, your operators can be more comfortable, more in control, and more productive.





■ **DEPENDABILITY**

- Advanced thermal management system
- Heavy duty frame
- Hall-effect sensors
- Leak-free o-ring face seal fittings
- Robust VISTA™ mast

■ **LOW COST OF OWNERSHIP**

- Brushless AC technology
- Vehicle system manager
- Serviceable multifunction handle
- Interface controls for service/diagnostic tools
- Hyster Tracker Wireless Asset Management

■ **ERGONOMICS**

- Fully padded operator compartment
- Side stance or 45-degree stance
- Multifunction control handle
- Flat plate overhead guard
- Hyster® Intelligent Ride Floor System

■ **PRODUCTIVITY**

- i³ Technology™
- Uncluttered floor space
- Proportional functionality controls
- Operator convenience station
- Five point operator stance

■ **APPLICATION-MATCHED PERFORMANCE**

- VISTA™ PLUS mast
- Complete line of battery compartments
- Four operator selectable performance modes
- 36-volt electrical system

DEPENDABILITY

THERE'S NO QUIT IN A HYSTER® LIFT TRUCK.

Hyster Company has an 80-year history of engineering and manufacturing some of the most reliable and productive lift trucks on the market. The Hyster® E30-40HSD₃ series continues that legacy with a lift truck that was designed and built to be the most dependable in the marketplace.

■ DURABLE COMPONENTS

- The AC traction and hoist motors offer a simpler motor design eliminating commutating brushes. The simple design of AC motors improves reliability and reduces maintenance requirements. The drive motor insulation is class H rated and the lift motor insulation is class F rated, providing the highest degree of thermal protection.
- Frame uses a small welded-in counterweight around the steer tires, with a larger cast counterweight above it which is bolted to the frame via 4 bolts.
- VISTA™ and optional VISTA™ PLUS masts are designed to be rugged in medium and heavy duty applications
- The maintenance free floor plate system uses straight roller bearings with wear plugs and coil over dampener, and is operational in environmental conditions from -40° F to 120° F.
- Durable, high impact top and front covers.

■ THERMAL MANAGEMENT SYSTEM

- The motors have a temperature sensor mounted internally to monitor and provide feedback to the CANbus network. The temperature sensor monitors the motor thermal state and can react to various situations to self protect the motor.
- The controllers constantly monitor internal heat sink and connected motor temperatures. If motors exceed a thermal threshold, performance to the motor is reduced and vehicle operation is limited.



Hyster® Intelligent Ride Floor System



Simple motor design improves reliability and reduces maintenance



Rugged VISTA™ and optional VISTA™ PLUS masts

■ INDUSTRIAL-STRENGTH ELECTRONICS

- CANbus communications network reduces wiring complexity, providing superior dependability.
- Sealed connectors, rated at IP65, are primarily used throughout the control wire harnesses. The connectors utilized also provide a positive mechanical lock reducing the possibility of connectors coming loose.
- A smart, one-way routing path for wire harnesses ensures consistent high-quality assembly while increasing durability and simplifying maintenance when needed.
- Non-mechanical, Hall-Effect sensors and switches are designed to outlast the life of the truck.

■ HASSLE-FREE HYDRAULICS

- Leak-free O-ring face seal fittings reduce leaks for enhanced reliability.
- A 10-micron, high-performance, in-tank filtration system captures 99.5 percent of hydraulic system debris, significantly extending component life.
- Smart placement of the control valve and hydraulic lines away from heat sources reduces operating temperature, extending the life of seals and hoses, improving longevity.



LOW COST OF OWNERSHIP

GIVING BACK IS WHAT HYSTER DOES BEST

Service on the E30-40HSD₃ series is made simple by easy access to maintenance items and an overall simplified design that reduces parts while increasing durability. The E30-40HSD₃ features an uncomplicated design to reduce downtime for servicing; increasing the total time spent moving product and enhancing your profit margin.



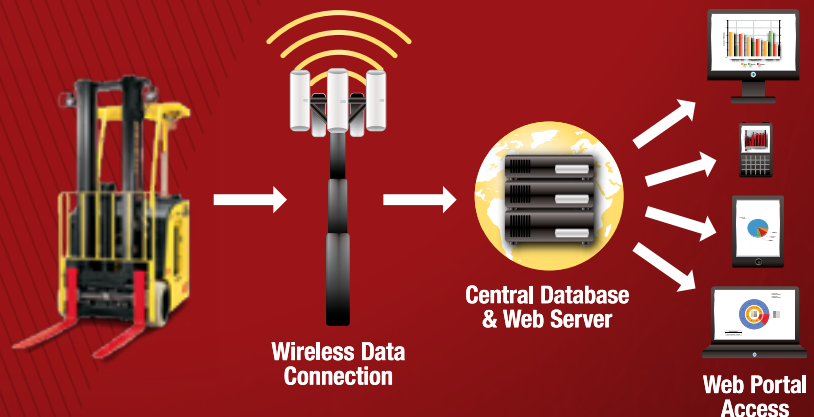
Hyster® i³ Technology™ integrates commonality among Hyster warehouse products and simplifies the way in which operators and technicians alike handle and service the truck. The Integrated Intelligent Interface ties together functionality, software, diagnostic codes, similar interfaces, and is Hyster Tracker compatible. This technology allows operator input to optimize performance to suit operator skill level. It also provides setup and diagnostic menus for service technicians.

HYSTER TRACKER – WIRELESS ASSET MANAGEMENT

Take your fleet operation to the next level with wireless asset management from Hyster. Hyster Tracker provides a scalable solution for fleets. From monitoring truck utilization to limiting operator access, Hyster Tracker allows you to track your fleet at your fingertips.



TRACKER



■ UNRESTRICTED SERVICE ACCESS

- The multi-function control handle is fully serviceable down to the individual switches, reducing replacement costs by up to 59%.
- The hydraulic-actuated rack-and-pinion steer axle is completely enclosed, preventing moisture and outside contaminants from entering the steer unit.
- Easy lift-off panels provide quick access to lift pump, drive motors, electronics, power steering pump and motor for easy maintenance.
- Storage compartments and a recess for a clipboard are molded into the top covers.
- The optional Battery Gate Interlocks prevent the truck from traveling if a battery gate was not replaced after servicing. The three gate removal options are: Right Side Extraction Only, Left Side Extraction Only or Both Side Gates Extraction.
- The control system incorporates a CANbus network to link all vehicle systems. The network allows communication between the traction controllers, the multifunction control handle, the hoist controller, and the dash display. The ability to communicate between truck systems allows the control system to optimize vehicle operation for performance, functionality, and diagnostics.



Battery Gate Interlocks



No tools required to remove covers

■ SUPPORTING CUSTOMERS WITH WORLD-CLASS PARTS & SERVICE

Four Parts Distribution Centers strategically located around the world provide a full range of original equipment and aftermarket parts that help maintain our customers' uptime. In fact, our Guaranteed Availability Program ensures that parts for all lift trucks within two years of age are available within 24 hours, 100% of the time.*

We also take that commitment into the field with the Hyster CERTECH® Certification training program. This technical training program provides both systems level as well as product-specific education to ensure lift trucks are repaired right the first time.



* Contact your local dealer for program details.

SUPERIOR ERGONOMICS

WHAT TOTAL CONTROL LOOKS LIKE

The E30-40HSD₃ is uniquely focused on assisting operators to work more productively with greater comfort in congested docks or aisles. Enhanced ergonomics combined with customized performance characteristics enhance overall productivity and uptime.

■ SUPERIOR OPERATOR COMPARTMENT

- The Hyster® E30-40HSD₃ series operator environment is intuitive by design. Contoured wraparound padded backrest with integrated thigh and knee pads, padded armrest, anti-fatigue floor mat and suspended floor significantly reduces the transmission of vibrations for greater comfort. The covers include a cup holder, clipboard, and storage areas.
- Operator controls are positioned to allow a side stance or 45-degree stance to provide comfort, efficiency and visibility.
- A low step height provides easy entry and exit. After stepping into the compartment, the floor system compresses, creating a lip around the floor which helps to remind the operator to keep feet inside the compartment
- The optional integral sideshift enhances visibility providing clear-line-of-sight to the load and offers greater capacities than carriage mounted sideshifts.
- High-strength, hot-rolled steel mast channels and flush-faced design improve capacity retention at high lifts. Compact cast steel cross members provide visibility and rigidity.
- The unique flat plate overhead guard configuration enhances visibility while protecting operators. Two heights are available: 83.0" (low profile) and 88.0" (standard profile.)



Fully padded operator compartment



Low step height



Flat plate overhead guard design

■ HYSTER® INTELLIGENT RIDE FLOOR SYSTEM

- The suspended Hyster® Intelligent Ride Floor System reduces up to 65% of the shocks and vibrations transmitted to the operator's feet, back and legs from dock plates, expansion joints, and other irregular floor surfaces. The maintenance free design requires no weight adjustment from the operator.

■ LOW EFFORT CONTROLS

- The multifunction control handle is configured with the operator in mind. Simultaneous control of travel functions and three hydraulic functions (none, limited and full) are available. The handle assembly is ergonomically designed with an integral thumb rest and an operator grip pad. The handle provides conveniently located controls for forward/reverse, lift/lower, horn, tilt, optional sideshift, and an optional 4th function.
- Designed to be intuitive and productive, the handle assembly is 100% proportional, providing precise control of loads and reducing product damage.
- The operator gains a secure support point of contact when accelerating and decelerating.
- Contact-less switches allow for greater dependability.
- The steer tiller assembly, made of durable cast metal, lends itself to the ergonomics and ease of use of the truck.
- The fully adjustable Auto Deceleration System allows the operator to rely less on the brakes, enhancing overall productivity. The electric park brake engages when the RPM of the AC traction motor reaches zero for at least one second. The automatic park brake is applied when the operator steps off the truck.
- The brake pedal mounting location is optimized for comfort through the entire operating range and operator positions.



Hyster® Intelligent Ride



ENHANCED PRODUCTIVITY

ONLY 24 HOURS IN A DAY. MAKE THE MOST OF THEM.

With the Hyster-engineered productivity of the E30-40HSD₃ series you'll move more product from dock to stock with greater efficiency, improving the bottom line. It's the three-wheel, stand-up lift truck that delivers on performance and versatility.

■ SUPERIOR OPERATOR CONTROL

- The multifunction control handle affords simultaneous operation of lift/lower, horn, travel direction, speed, and one auxiliary function for enhanced productivity.
- The rack-and-pinion hydrostatic power steer system offers precise control with minimal steering effort, while the dual steer wheel assemblies provide 180 degrees of total steer angle for superb maneuverability. The hydraulic steer system offers on-demand performance, efficiency, and reduced noise.
- The fully adjustable Auto Deceleration System automatically slows the truck allowing the operator to rely less on the brakes, enhancing duty cycle times.
- Three-wheel configuration provides a tighter turning radius for maneuverability that makes stacking in limited space and congested loading bays easier than ever.
- Continuous differential drive enables both drive wheels to operate separately for extra traction and power, with positive traction for quicker starts and stops aided by load and truck weight distribution over the drive wheels.
- Widely spaced, flush-faced mast channels allow the handling of greater capacities, aids in stability throughout the lifting range with enhanced visibility.
- Optional Hyster integral sideshift provides great visibility and affords greater capacities than carriage mounted sideshifts.



Multifunctional control handle



Dual steer wheels

■ MULTIFUNCTION DISPLAY

- The standard premium dash display includes the programmability of four operator-selectable performance modes and can store 100 operator specific passwords.
- The 1" tall by 2" wide LCD displays vehicle status, warning, and fault messages. The primary screen presents battery level, throttle command, vehicle speed, vehicle direction, steer angle, performance mode, and hours.
- A heated version of the display is available for freezer applications. Both the standard and heated displays are rated to IP-65, for greater durability.



Premium dash display

■ AC TECHNOLOGY

- The use of AC motors provides improved acceleration and performance on grades, while the precision load positioning on incline capability allows operators precise control of truck hydraulic functions while on an incline, reducing the likelihood of unintended product damage.
- AC transistor traction control system and AC motor provides seamless acceleration and faster travel speeds through full-time electronic field control, increasing productivity.
- Controllability has been enhanced with the AC controls which allow the operator to make smooth, controlled movements and accelerations.
- Regenerative braking puts energy back into the electrical system and is stored in the battery, improving efficiency, and reducing wear on brake components.



Unique three-wheel design
provides a tight turning radius

APPLICATION-MATCHED PERFORMANCE

CUSTOMIZED PERFORMANCE FOR ANY APPLICATION.

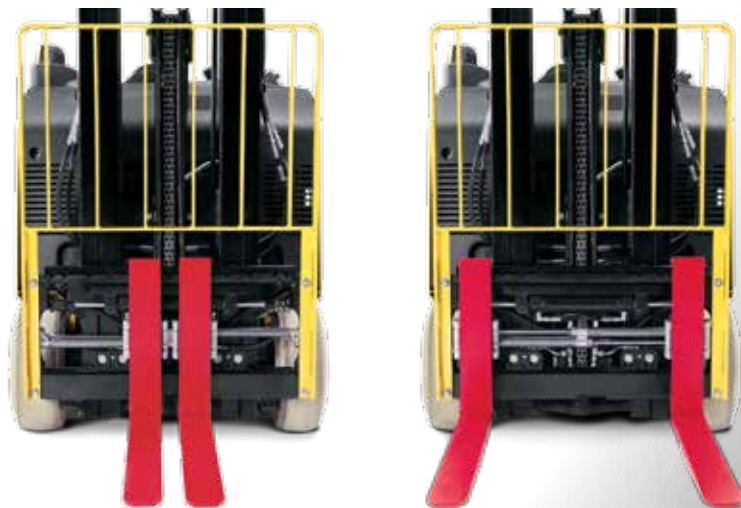
The E30-40HSD₃ series takes on a variety of applications—with exceptional performance, durability and reliability. Hyster® has options that will help to boost productivity, lower your cost of operation, and increase operator comfort.

■ ACCESSORIES

Little things can make a big difference, like having the right storage to conveniently access all the tools you need during your workshift. An optional utility tray is imperative to tote additional items while operating the truck. In order to relieve congestion around the operator station and dash area, the tray holds items such as shrink wrap dispensaries, small tools, cell phones, pens, clip boards, and label tags. Yet another option, the side hanger hook, can be used to hold separate tape rolls. Retail users will enjoy the RF scanner holder option mounted to the overhead guard leg.

■ INTEGRAL SIDE SHIFTING FORK POSITIONER

The optional Integral Side Shifting Fork Positioner (ISSFP) is useful within industries that handle a variety of load sizes and require frequent stops to reposition fork width. With this feature, the operator can quickly and accurately sideshift the forks, as well as move the forks inward or outward to handle a variety of pallet configurations. The Hyster® ISSFP is integral to the carriage, no additional carriages or aprons are required. Eliminating the need to exit the truck and move the forks by hand, the ISSFP saves time and decreases manual effort, thereby boosting operator productivity. Product and pallet damage is reduced, helping to decrease your cost of operation.



■ EXTENSIVE BATTERY COMPARTMENT CHOICES

Hyster has the right battery size for any E30-40HSD₃ application. Depending upon the choice of battery, the E30-40HSD₃ has equal or better right angle stack than leading competitors, and has the ability to operate in as narrow as a 9.5 foot aisle. Battery compartment options include: 13.8", 16.0", 18.3" and 20.8".



INNOVATIVE TRUCKS ENGINEERED TO MEET THE MOST DEMANDING APPLICATIONS

For more than 80 years, Hyster has been conquering the world's most demanding applications. In the 1920's Hyster started as a manufacturer of lifting machines used in the rigorous logging industry of the United States' Pacific Northwest. A few years later the first forklift trucks were invented and the Hyster brand quickly gained its reputation for rugged quality. Hyster® lift trucks are designed to lower your cost of operations. Every truck we make — gasoline, LPG, diesel and electric — is purpose-built to excel in its application. Every truck is also backed by an unmatched network of specialists.



Dealer Network — Our Dealer Network can offer the expertise of fleet managers, parts suppliers, capital procurement specialists and trainers. Hyster's carefully chosen dealers fully understand customer applications, assist in selecting the right lift truck and provide fast, reliable support.



Hyster Fleet Services — Even if you operate other brands, we can manage your maintenance and replacement plan. We can offer complete fleet analysis, fleet history summary and a cost-effective proposal for replacement and scheduled maintenance.



Parts — With genuine Hyster® replacement parts and UNISOURCE™ parts for all makes of lift trucks, we are your one-stop source for lift truck parts. In fact, we offer more than 2 million part number crosses for most brands of materials handling and other in-plant mobile equipment.



Rental Products — When leasing or buying isn't a practical option, we have access to more than 14,000 units for short- and long-term rental. We'll help you maintain output in a cost-effective manner.



Hyster Capital — We can arrange solutions for special financing requirements, taking the difficulties out of buying the equipment you need. Whether you purchase or lease a new or used lift truck, Hyster Capital offers superior service and competitive rates.



Special Products Engineering Department (SPED) — Different materials require different handling. That's why we can work with you to customize your lift trucks. From strobe lights to specially made forks, SPED has the tools to help you get the job done right.



Operator Training — Proper education in operating lift trucks minimizes the risk of injuries due to accidents while increasing productivity. Hyster offers OSHA-compliant materials that support the training of qualified operators.



Service — Your local Hyster® dealer offers a flexible, customized and comprehensive maintenance plan based on each lift truck's operation environment. Hyster service programs offer scheduled inspections and maintenance, along with quick, responsive service dispatched to your location.





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Part No. E30-40HSD3/B
5/2015 Litho in U.S.A.

Visit us online at www.hyster.com or call us at 1-800-HYSTER-1.

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