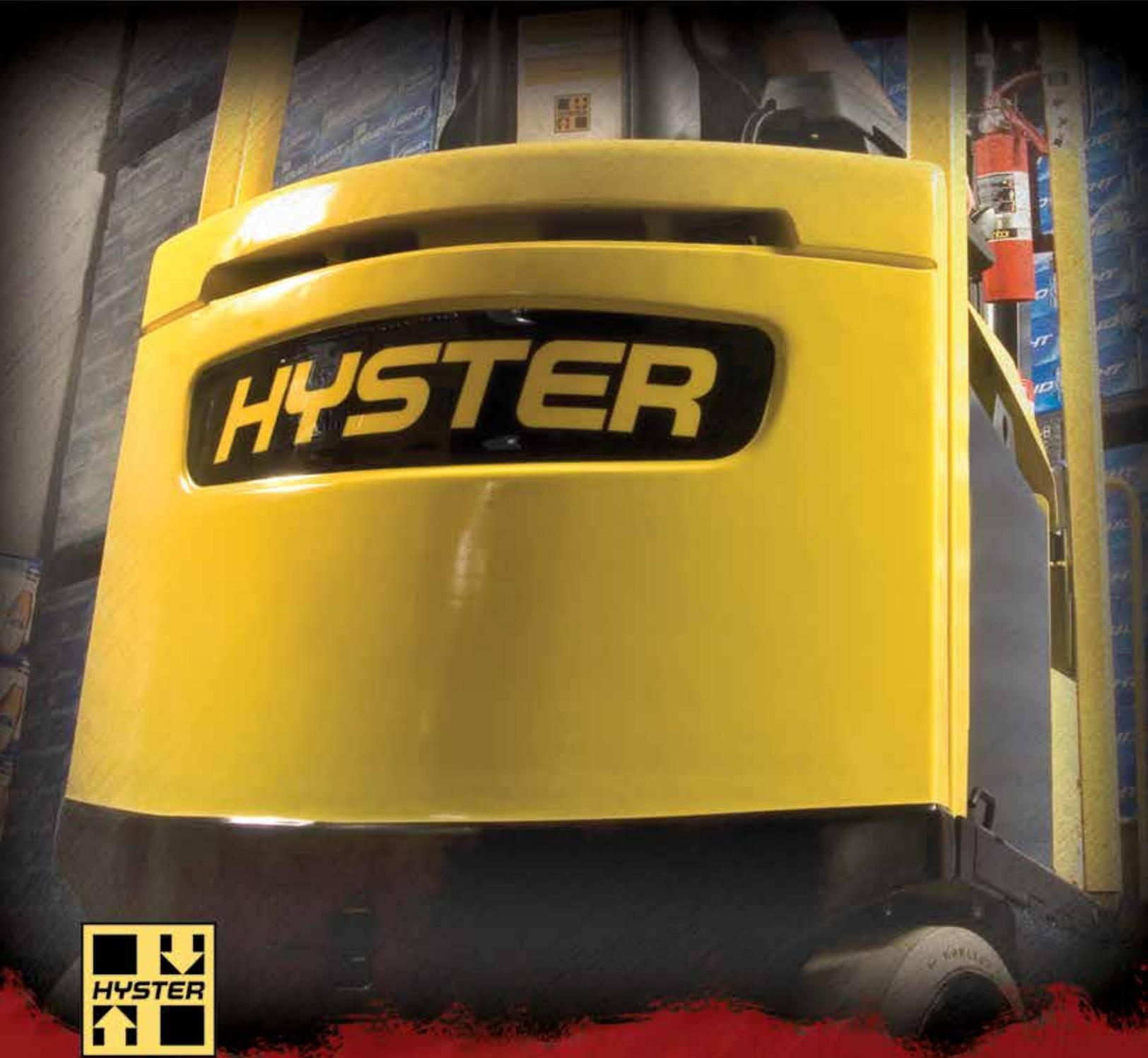


# E30-40XN SERIES



**STRONG PARTNERS.  
TOUGH TRUCKS.™**

**COUNTERBALANCED ELECTRIC, CUSHION TIRE**



# E30-40XN SERIES

The highly durable and ultra reliable Hyster® E30-40XN series offers numerous advantages in quality and ergonomics, making it one of the most operator-friendly AC-powered lift trucks in the world. Setting the standard in electric lift trucks, it lowers overall operating costs and maximizes productivity. This is the workhorse you can count on day in and day out to get the job done.

The operator module is designed to provide a comfortable operator compartment that features industry-leading floor space and a relocated "heads-up" Multifunction Display for enhanced visibility and precise pallet control. Leading the way in comfort and performance, the E30-40XN series is among the most productive electric lift trucks in the industry. Whether it's increased speed or longer battery life, this truck delivers the power your application demands.

The Hyster® E30-40XN lift truck delivers more bottom-line savings by increasing uptime and productivity. A redesigned steel hood provides maximum battery service access and, by utilizing AC motors and transistor controller technology for all traction and hydraulic systems, we've reduced the frequency and cost of maintenance. This is one of the hardest working trucks in the business and one you can depend on time and time again.





## ■ **ADVANCED DEPENDABILITY**

- Advanced Thermal Management System
- Welded steel frame construction
- Industrial-strength electronics
- Hassle-free hydraulics

## ■ **LOW COST OF OPERATIONS**

- Brushless AC technology
- Vehicle system manager
- CANbus communication system
- Enhanced diagnostic capabilities

## ■ **LOW MAINTENANCE, HIGH UPTIME**

- CANbus communications
- On-board diagnostics
- Lift-out floor plates
- Easy battery access

## ■ **OPERATOR-FRIENDLY COMFORT**

- Large floor space
- Operator convenience station
- Multiple seat options and adjustable features
- Optional TouchPoint mini-levers

## ■ **MOVE MORE LOADS PER HOUR**

- Seatside directional control
- MONOTROL® pedal
- Customizable performance modes
- Extended shift feature

# ADVANCED DEPENDABILITY

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

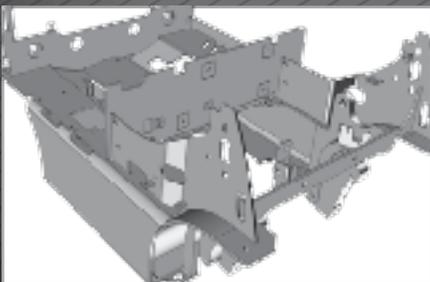
Hyster Company has a history of more than 80 years spent engineering and manufacturing some of the most reliable and productive lift trucks on the market. The Hyster® E30-40XN series continues that legacy with a lift truck that was designed and built to be the most dependable in the marketplace.

### ■ WORLD-CLASS DEPENDABILITY

- A stamped steel hood provides a durable, long-lasting exterior that will not crack. The unitized design and welded steel construction of the frame provide better rigidity and excellent protection for the internal components. The exceptional strength and durability of the frame are designed and tested using computer generated Finite Element Analysis.
- The Hyster-designed cast ductile iron steer axle provides maximum dependability. Its transverse, double-acting hydraulic cylinder, tapered roller spindle-support bearings and non-adjustable tie rods provide maximum durability with superior steering control and load handling.
- The full floating design of the drive axle lets the axle housing, not the shafts, carry the weight of the load, enhancing dependability and reliability for a longer service life.
- Hyster brakes are self-adjusting and self-energizing with heavy duty backing plates to provide optimal performance and lengthened service life.

### ■ ADVANCED THERMAL MANAGEMENT SYSTEM

- The Hyster-designed thermal management system continuously monitors controller and motor temperature. Upon identifying an irregularity, it protects the component by automatically adjusting truck performance.
- Large air inlet ports in the rear of the truck are protected and strategically positioned to provide fresh air intake for controller cooling.
- A heat sink is used to draw heat away from the motor controllers, and cooling fans are positioned on top of the heat sink.



Frame



Steer axle



Drive axle

## ■ INDUSTRIAL-STRENGTH ELECTRONICS

- CANbus communications network reduces wiring complexity, providing superior dependability.
- Double-sealed electrical connectors provide a dust proof and waterproof connection to prevent contamination-related failures.
- 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 last the life of the truck.
- Proven to be durable, the Pacesetter Vehicle System Manager (VSM) industrial onboard computer manages truck operations to maintain world-class dependability to maximize uptime.



*Electrical system*

## ■ 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.



*Hydraulic system*



**HSS**  
HYSTER STABILITY SYSTEM

Our patented Hyster Stability System (HSS®) is built into the fundamental design of every truck—it's not "added on" like other manufacturers—to allow for articulation on uneven surfaces and to minimize truck lean for enhanced lateral stability. And unlike some competitors, the Hyster HSS® is virtually maintenance-free.

# LOWER COST OF OPERATIONS

## LITTLE TO OWN. LOTS TO APPRECIATE.

The Hyster® E30-40XN series lowers your cost of operations by delivering increased productivity, lowered energy consumption, advanced dependability and reduced maintenance costs. The standard AC traction and hydraulic motors are unsurpassed in the materials handling industry, so they spend more time working and less time being worked on.

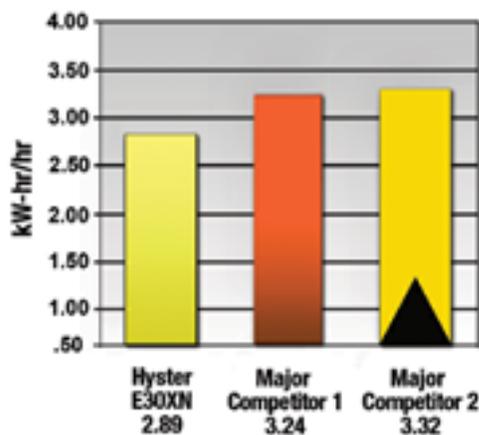
### ■ BRUSHLESS AC TECHNOLOGY

- The E30-40XN lift truck is a full AC product, utilizing AC traction and hydraulic motors, eliminating the motor brushes and doing away with the commutator and its related parts and service costs.
- The hydraulic and steering functions are combined into one motor, decreasing the number of motors and reducing the chances of failure.

### ■ VEHICLE SYSTEM MANAGER

- The Pacesetter Vehicle System Manager (VSM) monitors and communicates the truck's multiple systems via the CANbus communication system, keeping a constant check on the unit and vital components.
- All vehicle systems are managed electronically to optimize performance, significantly increase overall reliability, and enhance diagnostic capabilities for maximum uptime.
- The VSM enables customization of truck performance to suit application needs.

### LOWEST ENERGY CONSUMPTION



*According to the VDI Energy Cycle Standardized Test, the E30-40XN series provides the lowest energy consumption; it's also more energy efficient than our previous model. Better energy utilization saves money and reduces impact on the environment.*

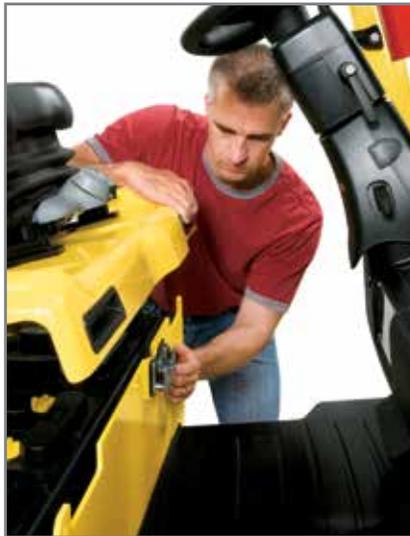


## ■ SUPERIOR SERVICEABILITY

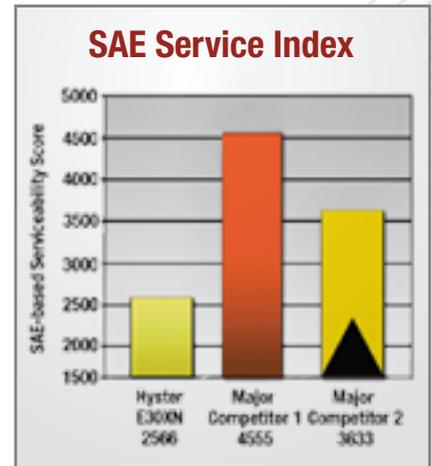
- The E30-40XN series utilizes CANbus communications to simplify wiring and improve serviceability.
- State-of-the-art onboard diagnostics reduce repair time and minimize expensive part-swapping.
- A two-piece floor plate and side plates can be easily removed for unrestricted service access. The lift-out floor plate requires no tools for quick and easy daily operator checks.
- Easy battery access is provided via the gas spring-assisted hood and quick release handle. The rear counterweight service cover is easily removed by loosening two screws.



*Easy-to-remove floor plates allow full service access for simplified daily maintenance.*



*A gas spring-assisted hood and quick release handle make battery access easier than ever.*



*The Society of Automotive Engineers (SAE) based rating evaluating speed and difficulty of over 30 service routines. Lower score indicates easier serviceability.*

## ■ 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. G.A.P., our Guaranteed Availability Program, guarantees that if a covered part is not available the next business day it will be provided to you FREE of charge.\*

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

## SUPERIOR COMFORT COMES STANDARD.

The superior ergonomic design of the E30-40XN series means greater comfort for your operator. Enhanced ergonomics combined with customizable performance characteristics increase overall productivity and uptime.

### ■ SUPERIOR OPERATOR COMPARTMENT

- A 16 percent increase in floor space – largest floor space among leading competitors for its capacity – promotes improved operator comfort, while the widened overhead guard legs allow for greater visibility.
- The operator convenience station features an industry-leading dash storage area that provides the operator with a productive work environment and dedicated storage areas for markers, cell phone, pick tickets, beverages and almost anything else an operator needs.
- Optional auxiliary DC converter provides an automotive style 12-volt outlet in the operator convenience station and an auxiliary power tap under the floor plate for customer installed accessories.
- The easy-to-use 3-point entry design of the operator compartment uses a large molded hand grip, hip restraint and an open non-slip lowered step height to minimize muscle and joint strain during entry and exit.
- Six different seat options and adjustable features allow customization for a superior level of comfort. The optional full-suspension seat offers easy fore/aft adjustment and an adjustable seat back angle for the highest level of comfort.



*3-point entry design*



*12-volt automotive style outlet*

*Operator convenience station*



*Increased floor space*

## ■ LOW-EFFORT OPERATION

- The optional automatic park brake automatically applies the park brake when the truck is stationary and releases the park brake when the accelerator pedal is depressed, increasing productivity and reducing operator effort. Improved brake pedal layout allows actuation with either foot.
- The standard 12-inch steering wheel with integrated spinner knob reduces fatigue while providing more knee room and goes lock-to-lock in just four turns for superior efficiency, maneuverability and control.
- An infinitely adjustable tilt steer column provides increased comfort while minimizing fatigue. The optional telescopic steer column with tilt memory provides enhanced adjustability to accommodate the full operator size range.
- Rear drive handle (optional) is excellent for reverse driving while giving ready access to the auxiliary horn button for use when approaching cross-aisles and pedestrian traffic areas.
- Optional key switch controlled lights turn work and taillights on and off with the key switch, and turn rear work lights on automatically when the truck travels in reverse, eliminating the need for the operator to control them manually.

## ■ HYDRAULIC CONTROLS

- Choose from two configurations that employ seatside mechanical levers or TouchPoint mini-levers to provide unsurpassed, low effort, tactile control of all hydraulic functions.
- Optional electro-hydraulic controls with TouchPoint mini-levers provide precise fingertip control of all hydraulic functions. An adjustable armrest with palm rest, mounted on the operator seat, positions the mini-levers in the optimal position.
- The armrest is cushioned and contoured to provide full forearm support. The hydraulic functions, seatside directional control switch, horn and battery disconnect button are all incorporated in the armrest and designed to maximize operator comfort and ease of use.



Rear drive handle



Electro-hydraulic controls with TouchPoint mini-levers

# ENHANCED PRODUCTIVITY

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

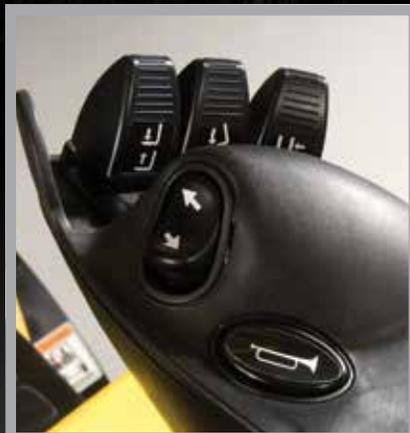
The Hyster® E30-40XN forklift works harder, longer and faster without compromising safety to make it one of the most productive lift trucks in the industry. The end result is a lift truck that increases throughput and sales volume while reducing operating costs.

### ■ SUPERIOR OPERATOR CONTROL

- Mast provides fast lift and lower speeds combined with good visibility.
- The optional Hyster-designed integral sideshift and integral sideshifting fork positioner provide better visibility and afford greater capacities than carriage mounted sideshifts.
- Choose from two configurations that employ seatside mechanical levers or TouchPoint mini-levers to provide unsurpassed, low effort, tactile control of all hydraulic functions.
- Choose from the Hyster® exclusive MONOTROL® pedal or the ergonomically placed thumb actuated seatside directional control (at no extra charge) for quicker, smoother control of travel speed and direction, improving operator efficiency and bolstering productivity.
- On-demand hydrostatic steering provides low effort steering and superior control with reduced noise.
- The Multifunction Display's large, LCD backlit screen displays truck status and warning indicators for quick and easy diagnostic readings.



*MONOTROL® pedal*



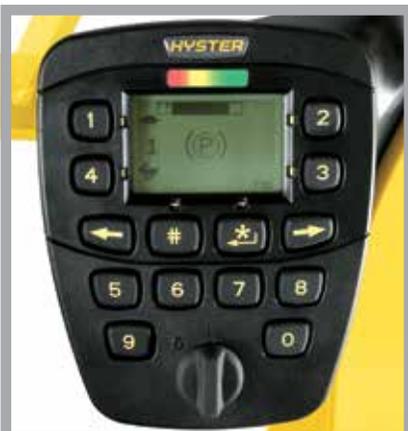
*TouchPoint mini-levers with seatside direction control and auxiliary horn button*



*Seatside mechanical levers*

## ■ PERFORMANCE MODES

- An adjustment of customizable performance parameters to match your application needs is accessible via the Multifunction Display and technician password protection.
- A significant increase in loaded travel speeds and acceleration rates beyond the standard setting is possible when the Extended Shift setting is turned off.
- Our standard Extended Shift AC controller setting provides the optimum balance between performance needs and battery shift life.



Multifunction Display

## ■ AC TECHNOLOGY

- AC technology delivers quick and smooth changes in travel direction and offers precise speed control with excellent acceleration thereby significantly increasing productivity potential.
- The standard Extended Shift feature allows enhanced run time without recharging over longer periods.
- AC delivers heightened performance on ramps when Extended Shift setting is turned off.
- The Hyster-designed advanced thermal management system maximizes performance during continuous operation, while preventing damage to components due to heat.

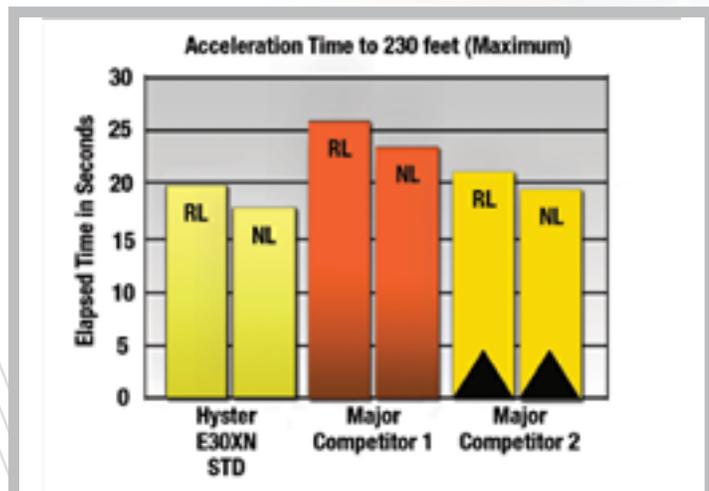
## ■ MULTIFUNCTION DISPLAY

Multifunction Display, located in the upper right corner of the operator's compartment, offers greater visibility for the operator with a large, LCD backlit screen for easy viewing and indicator icons for at-a-glance system status.

- Battery state of charge indicator
- Low battery lift interrupt program
- Hour meter
- Performance mode indicator
- Fault indicator
- 4 operator selectable, programmable performance modes



AC motors



With an industry leading acceleration rate, the Hyster E30-40XN forklift offers greater productivity.

# APPLICATION-MATCHED PERFORMANCE

## ■ HANDLES THE HEAVIEST LOADS WITH EASE.

Hyster® E30-40XN series trucks are built for stability. Our patented Hyster Stability System (HSS®) is built into the fundamental design of every truck to allow for operation on uneven surfaces and to minimize truck lean for enhanced lateral stability.

- HSS® is a 100% maintenance-free design.
- Its passive mechanical system uses gravity to optimize steer-axle geometry.
- Trunnion mounted masts decrease the overall length of the truck, making it more maneuverable in tight spaces.
- Mast channels built with one-piece, high-strength rolled steel.
- Pre-lubed and sealed load rollers are canted three degrees to resist forward, backward, and lateral forces without the need for periodic adjustment or shimming.

## ■ CUSTOMIZED PERFORMANCE FOR ANY APPLICATION.

No two working environments are exactly alike. That's why Hyster Company gives you the option of tailoring your lift truck's performance and features to your application. Customize speed settings and directional control methods. Take advantage of Extended Shift feature to maximize productivity. No matter what truck configuration you choose, your Hyster® lift truck will work as long and as hard as you do.

## ■ ZERO EMISSIONS. HIGH THROUGHPUT.

Any electric truck can give you a more fuel-efficient alternative to IC. Few can give you a dependable, high performance, fuel-efficient alternative. The E30-40XN series offers an accelerated return on your investment because it's built to last. Less maintenance. Less vibration, noise and heat. Low energy consumption. More uptime. All while offering zero emissions.

In the E30-40XN lift truck series, energy is recaptured during braking and then reused to reduce overall consumption. Non-productive energy is reduced through weight reduction, drive-train efficiency and hydraulic system efficiency. The standard Extended Shift setting provides the optimum balance to extend battery shift life without sacrificing your performance needs.

## ■ SUPERIOR TRUCKS. SUPERIOR OPTIONS.

- Application/environmental construction
  - Standard construction: operating temperatures: +32°F to +120°F
  - Cooler/freezer package option: operating temperatures: -20°F to +120°F
- Return to set tilt option brings the forks to a preset position when tilting for easy operation.
- Operator selectable performance modes allow varying levels of truck performance.
- Rapid charge option further improves productivity by eliminating battery changes.
- 36 or 48-volt systems provide excellent performance.
- Extended Shift can be disabled for increased productivity levels.
- Seaside mechanical levers or electro-hydraulic TouchPoint mini-levers.
- Audible and visible alarms.



# 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. E30-40XN/B  
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**Visit us online at [www.hyster.com](http://www.hyster.com) or call us at 1-800-HYSTER-1.**

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