



STRONG PARTNERS. TOUGH TRUCKS.™

J30-40ZT AC POWER

Three-wheel, Sit-down, Counterbalanced Electric, Cushion Tire Lift Truck Series





THE HYSTER® ADVANTAGE

ERGONOMICS:

Hyster engineers have elevated the science of ergonomics to an art form with the J30-40ZT lift truck series.

- Standard seat-side hydraulic levers fit any size hand comfortably and are coated with a sure-grip rubber covering.
- Optional electro-hydraulic controls with TouchPoint™ mini-levers provide effortless fingertip control of all hydraulic functions. An adjustable armrest that allows entry and exit from either side of the lift truck.
- Hyster's exclusive MONOTROL® pedal controls direction and speed with one pedal while a single, wide, low-effort service brake pedal gives easy access for left- or right-foot braking.
- Low noise levels have been achieved with the placement of the traction motors and hydraulic pumps below the removable rubber floor mat and floorplate.
- Both standard 14-inch steering wheel and optional 12-inch wheel with spinner knob allow precise steering for increased maneuverability.
- Dual steer wheels provide a smoother, more stable ride than a single wheel.
- The automatic park brake ensures brake is applied at all the proper moments, and requires no reaching out to actuate it.
- Operator comfort is maximized with an uncluttered floorboard, and exceptional leg and foot room. Additionally the standard 81-inch overhead guard height provides ample head and shoulder room, even when wearing a hard hat.

PRODUCTIVITY:

Brushless AC traction technology sets the Hyster J30-40ZT series apart as the new standard in materials handling.

- A significant increase in travel speeds and acceleration rates beyond the standard setting is possible via customizable performance parameters when the "Extended Shift" setting is turned off.
- Our AC controller and brushless traction motor allow changes in travel directions more quickly and smoothly than ever before. This increase in responsiveness directly correlates to an increase in the number of loads moved per shift, maximizing productivity.
- Fully adjustable Auto Deceleration System allows an operator to rely less on the brakes, enhancing overall productivity.
- Rack-and-pinion, hydrostatic power steer system provides precise steering control with minimal steering effort and has a tight turning radius for greater maneuverability.
- Hyster-designed thermal management system maximizes performance during continuous operation without permitting damage due to heat.

COST OF OPERATIONS:

The Hyster J30-40ZT series requires very little maintenance. What service is required is made simple by the reduction in wire and connections, the in-dash display and easy access to internal components.

- The CANbus (Controller Area Network) electrical system reduces downtime and simplifies on-board diagnostics via in-dash display.
 - Eliminates the motor brushes found in other lift trucks.
 - Eliminates scheduled downtime and the cost for parts and service.
 - Requires no periodic maintenance for:
 - Brushless AC traction motor
 - Brushless steer motor
 - Eliminates the service requirements created by brush wear dust.
 - Does away with the commutator and its related parts and service costs.
 - AC technology provides low energy consumption for a significant increase in battery shift life.

J30-40ZT

Hyster lift trucks work tougher and longer than others do. But in addition to their exceptional durability, they are also comfortable and easy to operate, as proven by our J30-40ZT AC power series. At Hyster Company, we believe your operators should make our lift trucks work hard, not the other way around. So, with the J30-40ZT, series' lower floorplate, raised steering column and other enhancements – such as the optional, adjustable armrest and electro-hydraulic mini-levers that provide effortless hydraulic control and allow easy entry and exit from both sides of the lift truck - we've made your operators' jobs easier. After all, the more your operators enjoy their jobs, the more productive they'll be.

THE RIGHT TOOLS
MAKE THE JOB EASIER.



■ Driver's Seat:

The seat provides 6 inches of forward and aft travel room, optimizing hip and knee angles for greater operator comfort.

Truck shown with optional equipment throughout brochure. Contact your local authorized Hyster Dealer for more information at 1-800-HYSTER-1.

SUPERIOR ERGONOMICS

Hyster Company is known for tough lift trucks. But we're also recognized for ergonomic advances that keep your operators coming back for more. With a Hyster lift truck like those in the J30-40ZT series, even the toughest jobs are easy to handle.

Seat-side Hydraulics

- Naturally positioned hand levers are coated with sure-grip rubber and are shaped to fit any hand size comfortably for intuitive load control.

TouchPoint™ Electro-Hydraulic Controls

- Optional adjustable, padded, armrest with palm rest and electro-hydraulic mini-levers optimize ergonomics for maximized operator comfort and precise load handling.
- Optional armrest affords simple, one motion adjustment for a more customized position to maximize productivity.



Steering System

- Rack-and-pinion, on-demand power steering with brushless steer motor and dual steer wheel reduce steer noise, effort and operator fatigue while enhancing maneuverability.
- Standard 14-inch steering wheel features a sure-grip coating for a comfortable grip and precise steering.
- Optional 12-inch steering wheel with spinner knob available.
- Dual steer wheels provide a smoother, more stable ride than a single wheel.



Operator Compartment

- The standard and optional seats have 6 inches of forward and aft travel room, enhancing hip and knee angles for greater operator comfort and increased productivity.
- Raised 5-position tilt steer column affords excellent knee clearance and a more customized operating position.
- The automatic park brake is activated whenever the key is off, the seat is empty or there is no direction input. This ensures the brake is applied at the proper moment.
- Mounting tilt cylinders and hydraulic plumbing below the floor plate and placing the battery connector behind the battery create an uncluttered floorboard and remove a heat source – for increased operator comfort.



SO COMFORTABLE, YOU WON'T
EVEN REALIZE YOU'RE WORKING.

Truck shown with optional equipment throughout brochure. Contact your local authorized Hyster Dealer for more information at 1-800-HYSTER-1.

■ **Battery Cover:** The tough battery cover is made of a durable, crack-resistant ABS polymer.

■ **Driver's Seat:** The seat provides 6 inches of forward and aft travel room, optimizing hip and knee angles for greater operator comfort.

■ Three-wheel Design:

The on-demand rack-and-pinion hydrostatic steer system uses a brushless steer motor for reliable, maintenance-free operation. The J30-40ZT series unique three-wheel configuration provides a tighter turning radius for unparalleled maneuverability that makes stacking in limited space and congested loading bays easier than ever. And the dual steer wheels provide a smoother, more stable ride.



■ **Overhead Guard:** The unique grid-style pattern provides excellent visibility while protecting operators. Standard height is 81 inches, and a 78-inch low-profile option is available.

■ **VISTA® Mast:** Fast lift and lower speeds combined with superb visibility make the Hyster-exclusive VISTA mast one of the best the industry has to offer. The optional Hyster integral sideshift affords excellent visibility and greater capacities than carriage mounted sideshifts.

■ **Operator Compartment:** Designed for driver comfort, the operator's area boasts more legroom. A forward-mounted, adjustable tilt steer column has been optimally positioned upward to ease entrance and exit while providing ample knee clearance to accommodate a more natural range of motions, even when driving in reverse. Storage compartments are provided for operator convenience.

■ **Floor Plate:** The easy-to-remove drop-in floorboard conceals the AC traction motors, tilt cylinder mounting and hydraulic plumbing, creating an uncluttered floor space for greater comfort. Rubber floor mats minimize vibrations and dampen sound.

■ **Traction Motor System:** The AC-powered traction motor system provides faster loaded speeds, quicker acceleration, controlled ramp descent with ramp hold, improved efficiency and is durable enough to handle your toughest duty cycle. And because there are no brushes or commutators, we've eliminated periodic maintenance.

■ **Wet Disc Brakes:** Designed as part of the transmission housing, the brakes are sealed to make them impervious to water and contaminants with no degradation in performance. The improved design requires no adjustments and increases disc pad life by up to 10 times.

■ ADVANCED PRODUCTIVITY

No matter what industry you're in, it all comes down to productivity, and the key to productivity is efficiency. The J30-40ZT AC powered lift truck series takes on any load without hesitation, allowing your operators to move more materials quickly, at a lower cost to you for a better bottom line.

AC Technology

- Delivers quicker and smoother changes in travel direction, offers precise speed control with excellent acceleration – which significantly increases productivity.
- The standard “Extended Shift” feature allows enhanced run time without recharging over longer periods.
- Truck programmability allows you to achieve higher performance.
- Truck maintains top speed regardless of load or battery discharge level with “Extended Shift” off, and displays enhanced performance on ramps.

Thermal Management System

- Hyster-designed thermal management system optimizes performance during continuous operation without recharging over longer periods.

Auto Deceleration System

- The fully adjustable Auto Deceleration System automatically slows truck, allowing an operator to rely less on the brakes, enhancing duty cycle times.

In-dash Display

- Standard dash display provides at-a-glance performance information with 6 service indicator lights, a 20-bar segment LCD battery state of charge and alphanumeric display readout.
- A 6-button keypad provides service technician secured on-board performance adjustment and troubleshooting.
- Optional premium in-dash display provides:
 - Password protected truck operation
 - 4 Operator Selectable Performance Modes
 - Operator “pre-shift checklist”

Electro-Hydraulics

- The optional electro-hydraulic mini-lever controls provide low-effort fingertip control of all hydraulic functions.
- Adjustable armrest with palm rest positions mini-levers at the most comfortable, efficient position.
- This option provides an additional right-side step, allowing entry and exit from either side of the lift truck.

Electric Park Brake

- The automatic park brake is activated whenever the key is off, the seat is empty or there is no direction input. This ensures the brake is applied at the proper moment.

Hyster's exclusive MONOTROL® pedal gives you ▶
exceedingly smooth, one-touch control of travel speed and
direction, freeing your hands for steering and operating
hydraulic controls, bolstering productivity.



◀ Increased productivity is directly related to the ergonomically designed operator's compartment. On-demand power steering, increased legroom and easier entry and exit make any load easier to handle. (Truck shown with optional TouchPoint™ electro-hydraulic mini-levers.)

ENHANCED SERVICEABILITY

Thanks to the Hyster brushless AC traction system, the J30-40ZT lift truck series minimizes periodic maintenance needs. We've designed it to outperform other lift truck models – period. But even the toughest machines sometimes need service. That's why our engineers also designed the series with several features that make it simple to service, getting your operators back to work more quickly.



CANbus (Controller Area Network) Electrical System

- This serial communications network simplifies diagnostics for maximizing uptime. Diagnostic troubleshooting is made simple through the in-dash display or use of a personal computer.
- The CANbus system decreases the number of wires and wire connections to simplify wire tracing/troubleshooting when needed.

Diagnostic and performance adjustments of the AC controls are exceptionally simple via the in-dash display.

*Premium display shown.

In-Dash Display

- Power-On Self Test runs “pre-shift diagnostics” to alert operator to any functional or mechanical problems.
- Unit gives battery charge status, lift interrupt, master hour meter, traction hour meter, pump hour meter and status code number.
- Self-contained unit does not require a personal computer or handheld device for service monitoring.
- 40-character alphanumeric display provides a full range of diagnostics to dramatically reduce troubleshooting time.
- Programmable service reminder can be set to alert you when scheduled maintenance is to be performed.



- Adjustment of performance parameters to match your application needs is available via technician password-protected system and 6-button keypad.

Simple Design

- Easy battery access is provided via the gas spring-assisted hood. Overhead guard is designed to facilitate easy battery changes.
- The rubber floor mat and drop-in floorplate are easily removed and replaced by hand without the use of tools.
- Electrical compartment – which houses all main truck fuses, controllers and contactors – is easily accessed by opening the counterweight rear access cover.

The TouchPoint™ mini-lever option comes with an adjustable armrest to allow entrance and exit from either side of the lift truck.

OPTIMAL ADAPTABILITY

The J30-40ZT series comes with a wealth of standard features that make any job easier. But there are also lots of options that allow you to customize your lift trucks to suit your particular application or environment. No matter what configuration you choose, you'll know your Hyster lift truck will work as long and as hard as you do.

Standard Features

- 2-stage limited free-lift VISTA® mast with maximum lift height of 119.8 inches (3,035 mm)
- 38.5-inch (980-mm) hook-type carriage with 48.0-inch high load backrest extension
- 42.0-inch (1,067-mm) long forks

- Cushion tires
- 36-volt electrical system and components
- Standard in-dash display includes BDI with lift interrupt, hour meter, on-board truck setup and diagnostics, 6-button keypad, programmable service reminder, status codes and alphanumeric display readout
- Rack-and pinion, on-demand power steering with brushless steer motor and dual steer wheel
- Automatic park brake
- MONOTROL® pedal
- Auto Deceleration System
- Dual, hydraulically activated wet disc brakes
- 3-function hydraulic control valve / levers



- Operator restraint system
- 5-position tilt steer column with 14.0-inch steering wheel
- Non-suspension vinyl seat
- 81-inch grid-style overhead guard
- Operating manual
- 350-Amp battery connector
- Truck status monitoring system
- U.L. Classification E

TRUCK FEATURE	STANDARD	OPTIONAL
36-Volt AC Traction System	X	--
48-Volt AC Traction System	--	X
Auto Deceleration System	X	--
Brushless AC Traction Motor	X	--
DC Contactor Hydraulics w/Brush Wear and Over Temp. Indicator	X	--
DC Transistor Hydraulics w/Brush Wear and Over Temp. Indicator	--	X
Operator Selectable Performance Modes (4) **	--	X
Operator Pre-Shift Checklist and Service Password Protection **	--	X
Adjustable Performance Parameters	X	--
On-Board Diagnostics	X	--
Thermal Management System	X	--
CANbus Integrated Control System w/Single Point Diagnostics	X	--
Rack-and-Pinion On-Demand Power Steering w/ Brushless Steer Motor	X	--
MONOTROL® Pedal Directional Control - Foot Actuated	X	--
Lever Directional Control - Hand Actuated	--	X
Non-Marking, Polyurethane, or Lug Tread Tires	--	X
Wide Tread Tires w/Fenders	--	X
Automatic Park Brake	X	--
Non-Suspension Seat (Vinyl)	X	--
Semi-Suspension Seat (Vinyl or Cloth)	--	X
Full-Suspension Seat (Vinyl or Cloth)	--	X
Swivel Seat (Contact Your Local Hyster Dealer)	--	X
Operator Restraint System	X	--
5-Position Tilt Steering Column	X	--
Storage Compartments	X	--
Operator's Manual	X	--
3-Function Manual Hydraulic Control Valve	X	--
4-Function Manual Hydraulic Control Valve	--	X
3-Function TouchPoint™ Mini-Lever Controls	--	X
4-Function TouchPoint™ Mini-Lever Controls	--	X
81.0" Grid-Style Overhead Guard	X	--
81.0" Grid-Style Overhead Guard - Drive-In-Racking	--	X
78.0" Grid-Style Overhead Guard	--	X
Backup Alarm, Reversed Operated 87 Db	--	X
2-Drive, 1-Rear Drive, 2-LED Brake/Backup and Tail Lights	--	X
2-Drive and 1-Rear Drive Light	--	X
2-LED Brake/Backup and Tail Lights	--	X
Battery Compartment Size - 21.5" (J30ZT)	X	--
Battery Compartment Size - 25.2" (J35-40ZT)	X	--
Battery Side Removal (Slides)	--	X
VISTA® Mast With Canted Load Rollers	X	--
4-Stage FFL VISTA® Masts	--	X
Integral Sideshift	--	X
Mast Tilt Option: 5° Forward / 7° Back with 2-Stage LFL Mast	X	--
Mast Tilt Option: 5° Forward / 5° Back with 2-Stage FFL Mast	--	X
Mast Tilt Option: 10° Forward / 5° Back	--	X
Mast Tilt Option: 6° Forward / 4° Back with 4-Stage FFL Mast	--	X
Dual, Hydraulically Activated Wet-Disc Service Brakes	X	--
U.L. Classification E	X	--
U.L. Classification EE	--	X
Sealed Motor Controller Compartment	X	--
Environmental Packages (Corrosion or Freezer)	--	X

* **Standard Display Includes:** BDI with Lift Interrupt, Hour Meter, Indicator Lights, On-Board Truck Setup and Diagnostics (via technician password), Numeric Operator Input Keypad, Programmable Service Reminder, Truck Status Codes, Alphanumeric Display Readout.

** **Premium Display Includes:** All of the features of the standard in-dash display plus Operator Selectable Performance Modes (4), Operator Passwords and Pre-Shift Checklist.

J30ZT	
Truck Capacity	3,000 lbs. (1 360 kg)
Load Center	24.0 inch (610 mm)
Max Lifting Speed Range <i>with Rated Load</i>	68.0 - 85.0 ft/min. (0.33 - 0.42 m/s)
Max Lifting Speed Range <i>with No Load</i>	90.0 - 115.0 ft/min. (0.46 - 0.58 m/s)
Max Travel Speed <i>with No Load</i>	8.2 mph (36-Volt) 8.9 mph (48-Volt)

J35ZT	
Truck Capacity	3,500 lbs. (1 587 kg)
Load Center	24.0 inch (610 mm)
Max Lifting Speed Range <i>with Rated Load</i>	68.0 - 80.0 ft/min. (0.33 - 0.40 m/s)
Max Lifting Speed Range <i>with No Load</i>	95.0 - 115.0 ft/min. (0.48 - 0.58 m/s)
Max Travel Speed <i>with No Load</i>	8.2 mph (36-Volt) 8.9 mph (48-Volt)

J40ZT	
Truck Capacity	4,000 lbs. (1 814 kg)
Load Center	24.0 inch (610 mm)
Max Lifting Speed Range <i>with Rated Load</i>	60.0 - 75.0 ft/min. (0.30 - 0.36 m/s)
Max Lifting Speed Range <i>with No Load</i>	90.0 - 110.0 ft/min. (0.46 - 0.56 m/s)
Max Travel Speed <i>with No Load</i>	8.2 mph (36-Volt) 8.9 mph (48-Volt)



**ERGONOMICS. MANEUVERABILITY.
PRODUCTIVITY. PROFITABILITY.**





FLEET SERVICES



HYSTER CAPITAL

A Division of NMHG Financial Services, Inc.

It's not just about the lift trucks.

Any company worth its weight knows success has just as much to do with the support before and after the sale as the sale itself. We pride ourselves on being more than just a lift truck manufacturer. Through our Dealer Network, we're also fleet managers, parts suppliers, capital procurement specialists and trainers. You'll find that when it comes to service, there's not much we don't do.

Hyster® Fleet Services

As much as we'd like for your entire fleet to be Hyster, we know that's not always the case. But just because you also operate other brands doesn't mean we can't manage your lift truck maintenance and replacement plan. We can analyze your current fleet or a summary of your fleet history and provide you with a cost-effective proposal for replacement and scheduled maintenance of all your vehicles. Once this initial review is complete, we'll continue to monitor your fleet to ensure it's performing optimally.

UNISOURCE™ Parts Program

In addition to providing fleet management for a variety of brands, we can also serve as your source of parts for all your lift trucks. With the Hyster UNISOURCE parts and service program, we offer approximately 2 million part number crosses for most brands of materials handling and other in-plant mobile equipment. UNISOURCE also has remanufactured parts that provide the same quality and guarantee but at a lower price. And we can deliver parts to you in less than 24 hours, any day of the week. How's that for convenience?

Rental Products

At Hyster Company, we're always looking for ways to help you keep your productivity up. One way we do that is by offering rental equipment for the times when leasing or buying isn't a practical option. Your local Hyster dealer has access to over 10,000 units that are available for short- or long-term rental. Whether you need one truck to substitute for a vehicle that's being serviced or several lift trucks to accommodate seasonal changes in your business, we'll help you maintain output in a cost-effective manner.

Hyster Capital

We know that financing new additions to your fleet can sometimes be challenging. That's why your Hyster dealer has a long list of ways for you to fund your purchase. We are skilled in arranging 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 better service and competitive rates, ensuring you receive the value you deserve.

Special Products Engineering Department (SPED)

In a perfect world, every application could be handled with a standard lift truck. However, in the real world, different materials require different handling. That's why Hyster Company's Special Products Engineering Department works with you to customize your lift trucks. From strobe lights to specially made forks, SPED can provide you with the tools you require to get the job done right.

Automated Warehouse Solutions

As society's technological capabilities advance, we strive to find practical applications. One of our most recent innovations in that pursuit is our development of automated warehouse solutions. We can help you determine if your operation would benefit from this type of system, which improves inventory accuracy, warehouse productivity and safety records, as it reduces maintenance and overtime.

Operator and Service Training

Hyster Company recognizes that proper training is a key element of a profitable company. That's why we offer a training program for your lift truck operators and for those who maintain your vehicles. Proper education in running and servicing lift trucks cuts down on the number of repairs and risk of injuries due to accidents while increasing productivity. All of our trainers are professionals with experience in materials handling.



Hyster Company
P.O. Box 7006
Greenville, North Carolina
27835-7006

Part No. J30-40ZT/B
2/2006 Litho in U.S.A.

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

Hyster, , SpaceSaver, VISTA and MONOTROL are registered trademarks of Hyster Company. Fortis, DuraMatch, Pacesetter VSM, TouchPoint, TouchControl, Challenger, and UNISOURCE are trademarks of Hyster Company. Hyster products are subject to change without notice.

