



**STRONG PARTNERS.
TOUGH TRUCKS.™**

COUNTERBALANCED I.C.E. CUSHION TIRE FORKLIFT

S40-70FT SERIES

WWW.HYSTER.COM

> S40-70FT SERIES

The Fortis® series of lift trucks represents a breakthrough in how lift trucks are designed, tested and built. It starts with a commitment to quality and dependability, incorporating proven design processes and systems to provide the toughest, most durable designs. Every team of supplier quality engineers uses only components of the highest value to go into Hyster® lift trucks. In addition, we have invested in state-of-the-art manufacturing systems and processes, including automated-guided vehicles (AGV), robotic welding and computer controlled manufacturing lines to provide proven Hyster quality.

As you would expect from Hyster Company, the trucks developed from this rigorous process boast low cost of ownership, maximum uptime, excellent ergonomics and enhanced performance.

Hyster is committed to delivering extraordinary aftermarket support including:

- Exceptional serviceability and onboard diagnostics to maximize uptime and keep your investment operating at peak performance.
- Guaranteed Availability Program (G.A.P.) – a fast and comprehensive parts availability program.
- A dedicated, reliable and experienced dealer network.
- A comprehensive standard warranty program.

Each of these breakthroughs demonstrates our commitment to provide the toughest trucks for your business needs.





Production	1,000 ft
per min	
Operators	1 Per Shift
Required	
Cost	Amortizing
Operation	

> DECREASE DOWNTIME BY UP TO 30%

Industrial lift truck downtime results from problems with the powertrain, electrical system, cooling system or hydraulic system. Advanced design of the Hyster® S40-70FT truck series has reduced downtime in these areas by up to 30%. When service is needed, easy access to major components can make service more efficient.

PROTECTED POWERTRAIN

- Pacesetter VSM industrial onboard computer monitors and protects the engine powertrain.
- Hyster has redesigned our transmission gears and shafts to be up to 15% stronger to handle even the most demanding duty cycle.
- Electronic controlled powershift transmission has state-of-the-art clutch packs that are re-engineered to be stronger, larger and provide up to 3 times more operating life than our previous models.
- Hyster® tough brakes are self-adjusting and self-energizing with heavy duty backing plate to provide optimal performance and lengthened service life.

INDUSTRIAL STRENGTH ELECTRONICS

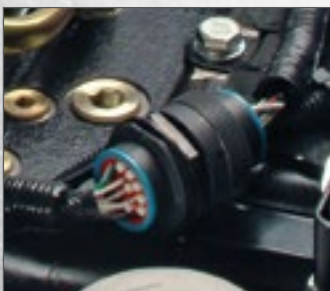
- CANbus communications network reduces wiring complexity, helping to provide superior dependability.
- Non-mechanical, Hall Effect sensors and switches are designed to be durable, lasting through the entire life of the truck.
- IP66 sealed electrical connectors keep out water and debris in especially dirty or wash-down applications.
- Smart, one-way routing path for wire harnesses provides consistent high-quality assembly, and simplifies maintenance when needed.

HASSLE-FREE HYDRAULICS

- Leak-free O-ring face seal (ORFS) 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 and improving longevity.

EFFICIENT COOLING

- A choice of 3 aluminum core radiators, each with significant design and component improvements, provides the industry's best cooling capacity – a key factor to increasing uptime and the economic life of your trucks. An optional combi-cooler radiator is available for use in extreme applications, providing additional transmission oil cooling capacity.
- Soft rubber isolator mounted radiators are protected from frame vibration and stresses, significantly extending service life.
- A superior counterweight tunnel design coupled with a “pusher” type fan and enhanced shroud design improves airflow and significantly reduces the recirculation of hot air to maximize cooling capabilities.



IP66 Sealed Connector



Anti-clog radiator



Counterweight tunnel design improves airflow

The Hyster® S40-70FT series can offer significant annual savings in operating consumable costs, such as fuel efficiency, extended tire life, reduced brake wear and optimized service time, which can result in the lowest cost per load moved. This, combined with up to a 30% decrease in downtime, makes this lift truck series an exceptionally smart choice.

EXCELLENT PERFORMANCE AND FUEL ECONOMY

- Auto Deceleration System extends brake life by up to 60% by automatically slowing the truck when the accelerator pedal is released.
- Programmable, controlled power reversal feature virtually eliminates tire spin, increasing drive tire life by up to 50%.
- Electronic hydraulic control system, featuring TouchPoint mini-levers, precisely manages hydraulic pressure and flow to supply exactly the right amount of power for each function, reducing fuel consumption.
- Multiple engine options provide excellent performance with advanced combustion technology that enhances fuel economy.

SUPERIOR DEPENDABILITY

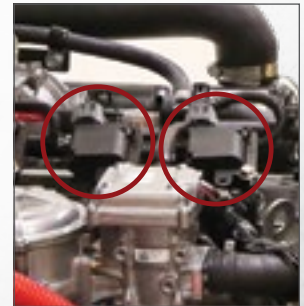
- Electronically controlled transmissions which reduce shock loading, long-lasting clutch packs, strong gears and shafts, and Hyster® premium brakes all work to provide unmatched reliability.
- CANbus communications, non-mechanical sensors and switches and IP66 rated sealed connections virtually eliminate electrical issues.
- The S40-70FT series heavy duty cooling system with superior airflow reduces heat even in harsh operating environments.
- Coil over plug ignition design eliminates spark plug wires and the need to periodically replace them.

ADVANCED SERVICEABILITY

- Pacesetter VSM continuously monitors fluid levels and powertrain status, reducing daily service checks and preventing major repairs.
- Complete cowl-to-counterweight service access is provided through a rear-opening, one-piece hood and easy-to-remove, one-piece floor plate which requires no tools.
- Engine coolant change and hydraulic oil change intervals are 4,000 hours.
- State-of-the-art onboard diagnostics, accessible by a technician via a port, reduce repair time and minimize expensive parts swapping.



Easy service access



Coil over plug ignition design



> **ERGONOMICS CAN LEAD TO SAVINGS**

The Hyster® S40-70FT series reduces operator fatigue through superior operator comfort, intuitive handling, and easy entry and exit. A comfortable operator can lead to higher rates of productivity, and as a result, significant savings in operating costs and productivity improvements.

SUPERIOR OPERATOR COMPARTMENT

- Easy-to-use 3-point entry design of operator compartment uses a molded hand grip, armrest/hip restraint and a large open non-slip step.
- Increased shoulder clearance – a result of the curved leg of the overhead guard and ample floor space – gives operators greater foot room.
- A choice of 5 different seats enables a more customizable level of operator comfort by its enhanced design and adjustable features.
- The standard non-cinch seat belt increases operator comfort by remaining loose during normal driving conditions, allowing the operator to comfortably operate the truck even when rotating to look to the rear for reverse travel. This automotive-style seat belt features an internal mechanism that locks the seat belt when required.
- Low noise level at operator ear lessens driver fatigue, improving driver satisfaction for an overall increase in productivity.
- Isolated drivetrain minimizes the effect of powertrain vibration and road-borne shocks to increase operator comfort all shift long.
- Swing-out bracket frees the LPG tank from over the counterweight to simplify changeout.
- Optional EZXchange bracket also lowers the tank on its stable platform to minimize arm and back strain for even easier tank changeouts.



Optional Swing-Out, Drop-Down EZXchange Tank Bracket

LOW-EFFORT OPERATION

- Adjustable armrest that accompanies the TouchPoint e-hydraulic optional configurations moves with the seat and telescopes forward/vertical in one simple movement to provide greater flexibility in achieving a more custom position.
- Rear drive handle with horn button (optional) provides an excellent hand hold for reverse driving while giving ready access to the auxiliary horn button for use when approaching cross-aisles and pedestrian traffic areas.
- Brake pedal layout and the minimal braking requirements of the Auto Deceleration System significantly reduce operator fatigue.
- 12-inch steering wheel with spinner knob improves steering response, increasing control and efficiency while minimizing shoulder strain with only 4 turns lock-to-lock.
- An infinitely adjustable tilt steer column and optional full-suspension seat can be adjusted for almost any operator.
- Controlled rollback on ramps contributes to lower driver fatigue and significantly enhances truck and load control on ramps.



Electro-Hydraulic Controls with TouchPoint Mini-Levers



Seaside Directional Control

PERFORMANCE AT-A-GLANCE

- Advanced dash display uses a non-reflective, backlit LCD screen, and 21 indicator lights provide performance at-a-glance.
- Easy-to-use onboard diagnostics through the advanced dash display provide fast troubleshooting for first-time fixes.
- Optional premium monitoring package reports air and hydraulic oil filter restrictions and low engine coolant levels.

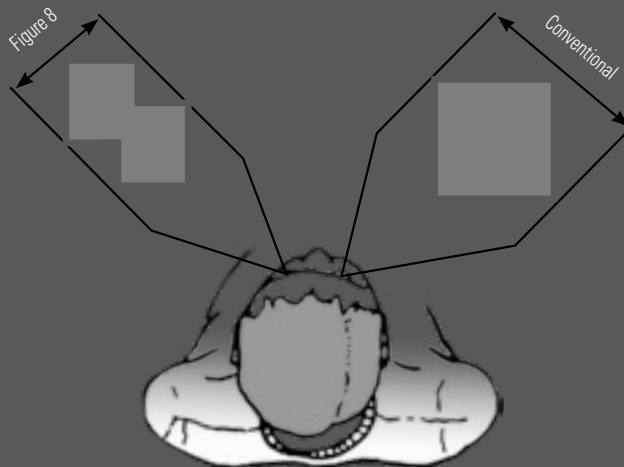


Figure "8" tubing improves visibility around front overhead guard legs by reducing the overall cross-section width of the overhead guard leg by over 20% while maintaining strength.



> ENHANCED PRODUCTIVITY

Productivity means moving more of your loads in less time with less cost. The development of the Hyster® S40-70FT series has focused on boosting performance to increase productivity and meet application requirements. This increased productivity can result in significant savings in materials handling costs through reduced operating expenses, labor costs and operator overtime and increased throughput.

PERFORMANCE CUSTOMIZED FOR YOUR APPLICATION

- Hyster® Variable Power Technology™ provides adjustable performance modes that allow customers to maximize productivity or fuel economy to fit their specific application requirements.
- A choice of 2 high output engines, 2 performance transmissions, 2 hydraulic controls and 3 cooling system options allows you to customize your truck to optimize your productivity.
- Multiple industrial engine selections, the Kubota 2.5L LPG and the PSI 2.4L LPG or dual fuel, provide fuel efficiency so you can get more loads moved on a single tank.
- Pacesetter VSM onboard computer enables you to adjust and optimize the performance of your S40-70FT trucks.
- Patented DuraMatch™ transmissions provide breakthrough features that include the Auto Deceleration System, controlled rollback on ramps, and controlled power reversals to move loads more efficiently with less operator fatigue and product damage.
- Enhanced cooling system with optimized airflow stabilizes operating temperatures, allowing uninterrupted workflow and increasing uptime.



SUPERIOR OPERATOR CONTROL

- Superior ergonomic features like ample foot and leg room, optional e-hydraulic controls, infinitely adjustable tilt steer column, integrated dashboard display, 12-inch steering wheel with spinner knob, enclosed cab (optional), Auto Deceleration System, EZXchange tank bracket (optional), 5 choices of seats and the reverse drive handle with integrated horn button (optional) enable your operator to maximize productivity.
- Optional return-to-set tilt has programmable set points for alignment of mast and forks and is extremely beneficial in applications where product damage can be caused by nonparallel stacking.
- The optional Hyster-designed integral sideshift provides excellent forward visibility and affords greater capacities than carriage mounted sideshifts.
- The Hyster exclusive MONOTROL® pedal provides for quicker, smoother control of travel speed and direction, helping improve operator efficiency and bolstering productivity.



Integrated Dashboard



Seatside Directional Control



Monotrol® Pedal

MAXIMUM STABILITY

- Our patented Hyster Stability System (HSS®) is built into the fundamental design of every truck—not “added on” like other manufacturers—to allow for travel across various surfaces and to minimize truck lean for enhanced lateral stability.
- HSS® is a 100% maintenance-free design and its passive mechanical system uses gravity to optimize steer-axle geometry.

SUPERIOR SERVICEABILITY

- Complete cowl-to-counterweight access, convenient daily service, the integral dashboard display's onboard diagnostic capabilities and reduced service requirements helps to significantly reduce service times to maximize uptime.

> PERFORMANCE OPTIONS

TAKING MATERIALS HANDLING TO A NEW LEVEL.

Hyster® S40-70FT Fortis® series trucks are built for superior performance so operators can trust them with heavy loads, long loads and all loads in-between.

- Hyster Stability System (HSS®) is virtually a 100% maintenance-free design.
- State-of-the-art engines
- Electronically controlled transmissions
- Superior cooling
- Active system monitoring
- VISTA™ masts



HYSTER® VARIABLE POWER TECHNOLOGY™

Hyster® Variable Power Technology™ provides adjustable performance modes that allow customers to maximize productivity or fuel economy to fit their specific application requirements. With three selectable performance modes, the S40-70FT series can be tailored to achieve a balance of enhanced performance and superior fuel economy, or to maximize productivity during peak business periods when moving more loads is integral to the success of your operation.

SUPERIOR TRUCKS. SUPERIOR OPTIONS.

- Integral sideshifter with or without fork positioner
- High intensity (front/rear/brake/back-up/tail) halogen or LED worklights
- Premium electronic monitoring
- TouchPoint e-hydraulic controls with adjustable armrest
- Full-suspension swivel seat in vinyl or cloth
- Load weight display
- Rear drive handle with horn button
- Swing-out drop down LPG tank bracket
- Red, high-visibility, non-cinch seat belt with or without start interlock





INNOVATIVE TRUCKS ENGINEERED TO MEET THE MOST DEMANDING APPLICATIONS

For nearly 90 years, Hyster® has conquered the world's most demanding applications. In the 1920s 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 — whether powered by gasoline, LPG, diesel, electric, CNG, lithium-ion or hydrogen fuel cells — 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. 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 7 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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Visit us online at www.hyster.com or call us at 1-800-HYSTER-1.

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