

B60Z^{AC} SERIES



**STRONG PARTNERS.
TOUGH TRUCKS.™**

WALKIE/RIDER MOTORIZED HAND PALLET TRUCK

THE HYSTER ADVANTAGE

PRODUCTIVITY

The Hyster® B60Z^{AC} truck is the simplest way to boost your productivity. It is easy to operate, has minimal service requirements and works smartly.

- Truck features a full six inches of lift height for easy maneuverability over uneven floor surfaces and across dock plates.
- The short head length and design of the control handle allows for the best turning radius and right angle stacking capabilities in its class.
- Pace setting travel speeds allow more loads to be moved per hour.
- A high performance hydraulic system, coupled with the advanced pallet entry/exit system, produces outstanding cycle times.
- Optional Coast Control with Side Glide feature enhances operator performance and productivity while increasing low level order picking efficiency.
 - Coast Control available with advanced activation or manual activation.
- Power Assist Steer option helps operators move heavy loads through tight turns and crowded loading areas with ease.
- Operator selectable, programmable performance modes enable the truck to be tailored to the application or operator skill level.
- AC traction controller provides improved torque, increased travel speeds and allows smoother acceleration and directional changes.
- Extended Shift Feature:
 - With Extended Shift on, truck performance is tailored with energy efficiency in mind, allowing the truck to operate longer between battery charges.
 - With Extended Shift off, parameters are adjusted with high performance in mind, allowing quicker acceleration and directional changes, for faster cycle times resulting in increased throughput and productivity.

DEPENDABILITY

The B60Z^{AC} sets the standard for long-lasting, worry free operation. Every detail is designed by Hyster engineers to make sure you can always deliver – and never get left holding the load.

- CANbus communication system significantly reduces the number of wires required in the electrical system, and links the control handle, display, controller and Power Assist Steer (option) together enhancing overall truck reliability.
- Steel reinforced control handle is durable, impact resistant and easy to service.
- Electro-mechanical brake has no linkage to adjust and maintain.
- Electronic horn provides high volume, consistent operation and long life.
- AC traction transistor controller eliminates motor brushes and directional contactors, creating a reliable product with minimal maintenance requirements.
- Integrated transistor pump control provides a “soft start” feature by eliminating the high in-rush current associated with contactors and, therefore, extends the service life of the pump motor.
- The AC system uses less energy than SEM systems, increasing overall truck performance while decreasing battery charge intervals enable the truck to be tailored to the application or operator skill level.
- AC traction controller provides improved torque, increased travel speeds and allows smoother acceleration and directional changes.

ECONOMICS

The superior ergonomic design of the new B60Z^{AC} walkie/rider product means greater comfort for your operator. A comfortable operator is a more productive operator.

- Unique control handle design features left hand and right hand controls which allow finger tip control of lift/lower, travel and the horn functions with either hand.
- Coast Control with Side Glide feature eliminates climbing on/off during quick pick applications.
- Activation buttons for the optional Advanced Coast Control are conveniently positioned on each side of the steer handle for easy, effortless thumb operation from either side of the truck.
- 1-inch thick rubber floor mat absorbs shock from uneven floor surfaces or dock plates enhancing operator comfort when riding.
- Power Assist Steer option requires less effort from the operator, reducing fatigue and enhancing truck maneuverability.
- Padded and contoured steady rest provides a soft and comfortable grab point, increasing operator stability while riding.
- Low step height provides quick and easy on off access for operator, reducing fatigue during the work shift.
- Large operator area provides comfortable and productive positioning.
- Ergonomically angled handgrips and contoured control handle provide a comfortable grip and enhance the maneuverability.



COST OF OPERATION

One of the best ways to keep your profits up is to keep your equipment costs down. The Hyster® B60Z^{AC} lift truck is designed to operate at the peak of efficiency so you can take your money straight to the bank.

- Three application/environmental packages are available to ensure you have the right truck for the job:
 - Standard Construction: +32° F to +120° F
 - Cooler/Freezer Package: 0° F to +120° F
 - subZERO Freezer Package: -40° F to +120° F
- Operator selectable, programmable performance modes that allow operators to tailor the truck to meet their preferred working style or to meet application requirements.
- CANbus communication system, coupled with easy motor and component access, simplifies the electrical system and increases diagnostic capabilities, which reduces down time.
- All wire harness connectors feature double sealed industrial type connections, which prevent moisture and other contaminants from entering the connector.
- The B60Z^{AC} is ETACC compatible and features on-board software interfacing, eliminating specialty tools and handsets.
- The electro-mechanical brake system has no linkage to maintain or adjust.
- Auto Deceleration System (ADS) utilizes regenerative braking, which significantly reduces brake wear, extending brake component life and reducing downtime.
- The design of the optional Advanced Coast Control saves valuable seconds each time the operator engages or disengages the system resulting in more pick time.



SERVICEABILITY

The B60Z^{AC} forklift features some of the latest technological advances of any Class III product in the market today. Because of these advances, service requirements are at a bare minimum, enhancing operation efficiency.

- Transistor Motor Control eliminates directional and lift pump contactors.
- AC traction motor has no brushes and commutator to maintain/replace.
- Backlit dash display allows easy reading in low/minimal light conditions.
- Electrical compartment cover is secured by spring clip retention, allowing removal of cover without tools.
- The electro-mechanical brake has no service requirements.
- Hall-effect throttle control is a non-contact device, eliminating wear components and requiring no mechanical adjustments.
- Lube fittings and serviceable bushings are used at all pivot points, reducing component wear and extending component life.
- Translucent hydraulic reservoir provides quick and easy fluid level check.
- Stationary traction motor design eliminates power cable flexing and potential for loose power wire connections.
- On-board diagnostic capability allows for quick troubleshooting, increasing truck uptime.
- CANbus communication system simplifies truck wiring and reduces the number of wires required.



THESE HYSTER® TRUCKS EXCEL IN EXTREME CONDITIONS

In cold room and freezer applications, your workers can keep warm by putting on a jacket or gloves. Your pallet trucks require a lot more protection. That's why the Hyster® B60Z^{AC} forklift comes with two optional application/environmental packages for low-temperature applications.

- The Cooler/Freezer Package is designed to operate in applications with temperature ranges from 0° F to +120° F.
- The subZERO Freezer Package is designed to operate in applications with temperature ranges from -40° F to +120° F.



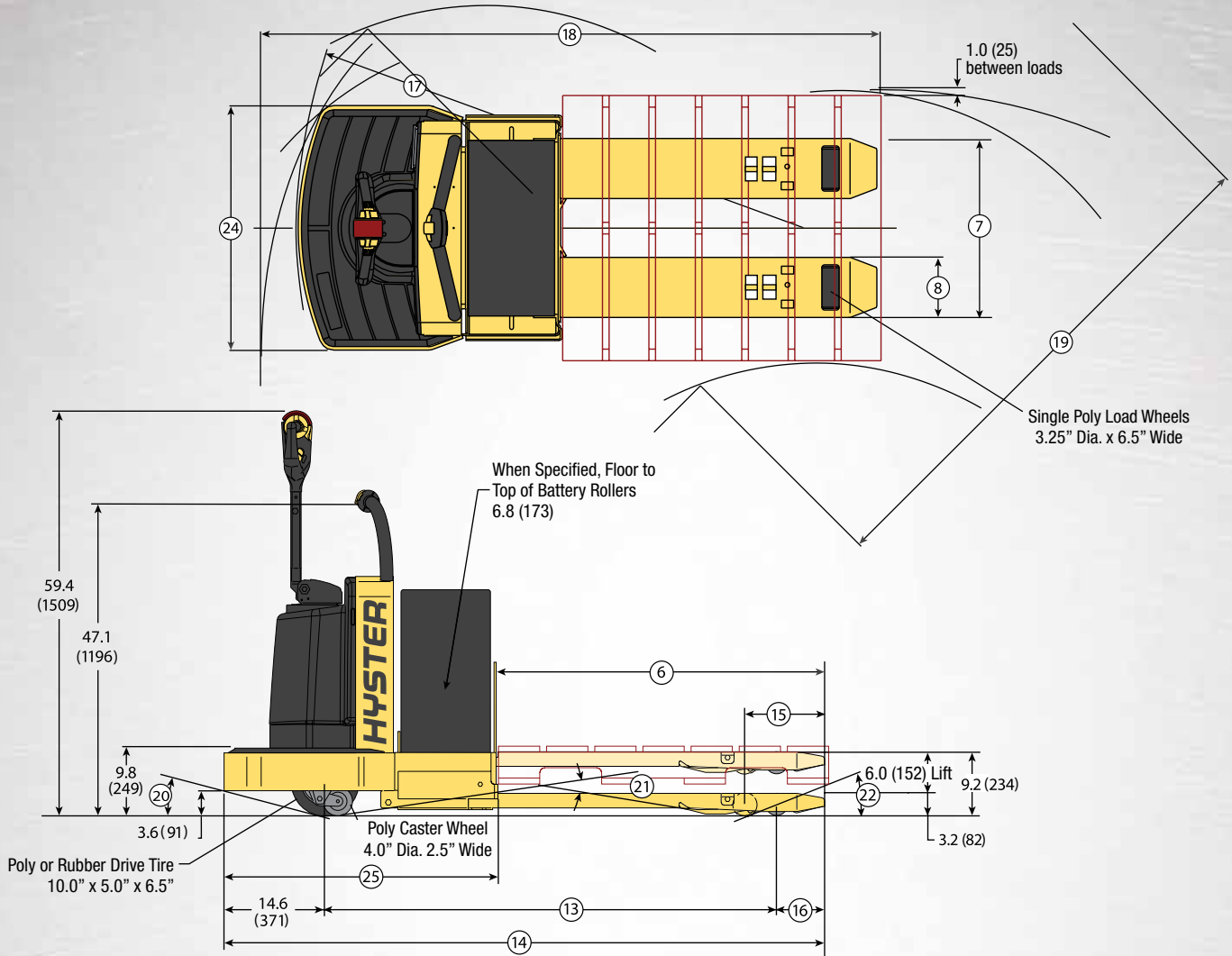
RAISING THE STANDARD FOR LIFT TRUCKS

BOTTOM LINE? YOU NEED PALLET TRUCKS THAT CAN GET THE JOB DONE WITHOUT A LOT OF FUSS.

The 6,000 lb. capacity B60Z^{AC} motorized hand pallet walkie/rider does just that. With its advanced productivity, exceptional durability and superior maneuverability, it's easy to see how the B60Z^{AC} truck can turn even your tough jobs into just another task.

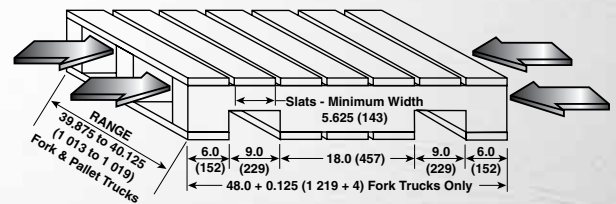
- A Floor Mat**
1-inch thick rubber floor mat absorbs shock from uneven floor surfaces or dock plates enhancing operator comfort when riding.
- B Control Handle**
The short head length and design of the control handle allows for the best turning radius and right angle stacking capabilities in its class.
- C Steady Rest**
Padded and contoured to provide a soft and comfortable grab point, increasing operator stability while riding.
- D Load Backrest**
Available in 48", 60", and 72" heights (bolt-on or pivoting).
- E Lift Height**
Truck features a full six inches of lift height for easy maneuverability over uneven floor surfaces and across dock plates.
- F Brake**
Electro-mechanical brake has no linkage to adjust and maintain.





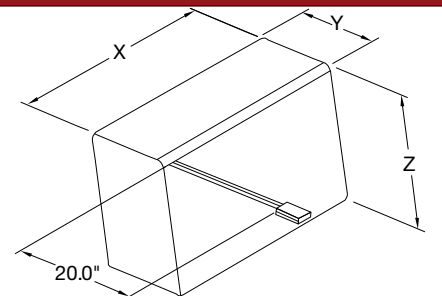
Circled dimensions correspond to the line numbers on the tabulated chart inside the Technical Guide. Dimensions are in inches (millimeters)

GMA Pallet - Standard Dimensions



BATTERY SPECIFICATIONS

| Number of Cells | Cell Size | Plates per Cell | Capacity 6 Hr Rate amp hr (kwh) | Battery Dimensions | | | Weight lb (kg) |
|-----------------|-----------|-----------------|---------------------------------------|--------------------|--------------|--------------|-------------------|
| | | | | X in (mm) | Y in (mm) | Z in (mm) | |
| 12 | 75 | 7 | 225 (5.2) | 25.7 (652) | 8.8 (224) | 23.3 (592) | 540 (245) |
| 12 | 85 | 7 | 225 (6.0) | 25.7 (652) | 8.8 (224) | 23.3 (592) | 570 (259) |
| 12 | 75 | 11 | 375 (8.7) | 26.5 (673) | 13.0 (330) | 23.3 (592) | 825 (374) |
| 12 | 85 | 11 | 425 (9.9) | 26.5 (673) | 13.0 (330) | 23.3 (592) | 865 (392) |
| 12 | 75 | 13 | 450 (10.5) | 3.09 (785) | 13.0 (330) | 23.3 (592) | 987 (448) |
| 12 | 85 | 13 | 510 (11.9) | 3.09 (785) | 13.0 (330) | 23.3 (592) | 1035 (469) |
| 12 | 100 | 13 | 600 (14.0) | 3.09 (785) | 13.0 (330) | 26.2 (665) | 1200 (544) |



Battery Connector: 175 Amp, Red • Battery Lead: Length 20" (508 mm), Position "B", 1/0 AWG

B60Z^{AC} SPECIFICATIONS

| | | | | | | | | | |
|------------|---------------------|---|---------------------------------------|--------------------|--|--------------------------------------|--------------|--------------|--------------|
| GENERAL | 1 | Manufacturer | | | | HYSTER | | | |
| | 2 | Model Designation | | | | B60Z ^{AC} | | | |
| | 3 | Power | | | | Battery - 24 Volt | | | |
| | 4 | Operation | | | | Walk / Stand Ride | | | |
| | 5 | Rated Capacity | | | lb (kg) | 6000 (2722) | | | |
| | 6 | Fork Length | | Nominal | in (mm) | 36 (914) | 42 (1067) | 48 (1219) | 60 (1524) |
| | | Fork Length | | Actual | in (mm) | 35.75 (908) | 41.75 (1060) | 47.75 (1213) | 59.75 (1518) |
| | 7 | Fork Overall Width | | | in (mm) | 27.0 (686) | 27.0 (686) | 27.0 (686) | 27.0 (686) |
| | 8 | Fork Width - Individual Fork | | | in (mm) | 9.1 (231) | 9.1 (231) | 9.1 (231) | 9.1 (231) |
| WEIGHTS | 9 | Load Distance | Face of Forks to Center of Load Wheel | Lowered | in (mm) | 28.75 (730) | 34.75 (883) | 40.75 (1035) | 52.75 (1340) |
| | 10 | Truck Weight | Without Battery | No Load | lb (kg) | 1237 (561) | 1257 (570) | 1272 (577) | 1302 (591) |
| | 11 | Axle Loading - Drive | Static with Max. Wt. Battery | Rated Load | lb (kg) | 2268 (1029) | 2566 (1164) | 2807 (1273) | 3212 (1457) |
| | | Axle Loading - Drive | Static with Max. Wt. Battery | No Load | lb (kg) | 1541 (699) | 1601 (726) | 1649 (748) | 1760 (798) |
| | 12 | Axle Loading - Load Wheel | Static with Max. Wt. Battery | Rated Load | lb (kg) | 6109 (2771) | 5831 (2645) | 5605 (2542) | 5230 (2372) |
| | | Axle Loading - Load Wheel | | No Load | lb (kg) | 836 (379) | 796 (361) | 763 (346) | 682 (309) |
| DIMENSIONS | 13 | Wheelbase - No Load Backrest or with Pivoting Load Backrest | | Raised | in (mm) | 49.2 (1250) | 55.2 (1402) | 61.2 (1554) | 73.2 (1859) |
| | | Wheelbase - No Load Backrest or with Pivoting Load Backrest | | Lowered | in (mm) | 53.8 (1367) | 59.8 (1519) | 65.8 (1671) | 77.8 (1976) |
| | | Wheelbase - With Bolt-On Load Backrest | | Raised | in (mm) | 51.2 (1300) | 57.2 (1453) | 63.2 (1605) | 75.2 (1910) |
| | | Wheelbase - With Bolt-On Load Backrest | | Lowered | in (mm) | 55.8 (1417) | 61.8 (1570) | 67.8 (1722) | 79.8 (2027) |
| | 14 | Overall Length - No Load Backrest or with Pivoting Load Backrest | | | in (mm) | 75.3 (1913) | 81.3 (2065) | 87.3 (2217) | 99.3 (2522) |
| | | Overall Length - With Bolt-On Load Backrest | | | in (mm) | 77.3 (1963) | 83.3 (2167) | 89.3 (2268) | 101.3 (2573) |
| | 15 | Center of Load Wheel to Tip of Forks | | Raised | in (mm) | 11.7 (297) | 11.7 (297) | 11.7 (297) | 11.7 (297) |
| | 16 | Center of Load Wheel to Tip of Forks | | Lowered | in (mm) | 7.0 (178) | 7.0 (178) | 7.0 (178) | 7.0 (178) |
| | 17 | Outside Turning Radius - No Load Backrest or w/Pivoting Load Backrest | | Raised | in (mm) | 63.6 (1615) | 69.6 (1768) | 75.6 (1920) | 87.6 (2225) |
| | | Outside Turning Radius - No Load Backrest or w/Pivoting Load Backrest | | Lowered | in (mm) | 68.3 (1735) | 74.3 (1887) | 80.3 (2040) | 92.3 (2344) |
| | | Outside Turning Radius - With Bolt-On Load Backrest | | Raised | in (mm) | 65.6 (1666) | 71.6 (1819) | 77.6 (1971) | 89.6 (2276) |
| | | Outside Turning Radius - With Bolt-On Load Backrest | | Lowered | in (mm) | 70.3 (1786) | 76.3 (1938) | 82.3 (2090) | 94.3 (2395) |
| | 18 | Right Angle Stack - No Load Backrest or with Pivoting Load Backrest | | Raised | in (mm) | 78.6 (1996) | 83.7 (2126) | 89.1 (2263) | 100.0 (2540) |
| | | Right Angle Stack - With Bolt-On Load Backrest | | Raised | in (mm) | 80.4 (2042) | 85.4 (2169) | 90.9 (2309) | 101.8 (2586) |
| | 19 | Equal Intersecting Aisle - No Load Backrest or w/Pivoting Load Backrest | | Raised | in (mm) | 61.8 (1570) | 64.9 (1648) | 68.0 (1727) | 74.3 (1887) |
| | | Equal Intersecting Aisle - With Bolt-On Load Backrest | | Raised | in (mm) | 63.3 (1608) | 66.5 (1689) | 69.6 (1768) | 75.9 (1928) |
| | 20 | Grade Clearance | | Chassis | % | 26 | 26 | 26 | 26 |
| | 21 | Grade Clearance | | Ctr of Wheelbase | % | 39 | 34 | 31 | 25 |
| | 22 | Grade Clearance | | Forks | % | 39 | 39 | 39 | 39 |
| | 23 | Lift Height - Top of Fork | Lowered Ht / Raised Ht / Total Lift | | in (mm) | 3.2 / 9.2 / 6.0 (81 / 234 / 152) | | | |
| 24 | Truck Overall Width | | | in (mm) | 36.9 (937) | | | | |
| 25 | Chassis Length | | Length of Face to Forks | in (mm) | 39.5 (1003) | | | | |
| 26 | Battery Compartment | L x W x H Standard w/Battery Rollers | | in (mm) | 31.25 x 13.4 x OPEN (793 X 340 X OPEN) | | | | |
| PERF. | 27 | Travel Speed | Chassis First | No Load/Rated Load | mph (kph) | 9.0 / 6.7 (14.5 / 10.8) | | | |
| | | Travel Speed | Forks First | No Load/Rated Load | mph (kph) | 6.0 / 5.2 (9.7 / 8.4) | | | |
| | 28 | Drive Control | | Type | | AC | | | |
| | 29 | Service Brake | | Type | | Electro-Mechanical | | | |
| WHEELS | 30 | Drive Tire | Size / Type (Number of Wheels) | | in | 10.0 x 5.0 x 6.5 / Poly (1) | | | |
| | 31 | Load Wheel | Size / Type (Number of Wheels) | | in | 3.25 x 6.25 / Poly (2) | | | |
| | 32 | Caster Wheel | Size / Type (Number of Wheels) | | in | 4.0 x 2.5 / Poly - Spring Loaded (2) | | | |

Above specifications, unless otherwise listed, are for a standard truck without optional equipment.

Right Angle Stack and Equal Intersecting Aisle are calculated using a 40" wide pallet.

Grade Clearance measured to the bottom of the pallet with forks in a raised position.

CERTIFICATION: These Hyster® lift trucks meet design specifications of Part II ANSI B56.1-1969, as required by OSHA Section 1910.178(a)(2) and also comply with Part III ANSI B56.1-revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck. Performance specifications are for a truck equipped as described under Standard Equipment on this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature, condition of the operating area, proper service and maintenance of the vehicle. If these specifications are critical, the proposed application should be discussed with your dealer.

STANDARD EQUIPMENT

- 48" long forks
- 27" fork spread
- Standard construction operating temperatures: +32° F to +120° F
- Smooth polyurethane drive tire – 90 durometer – 10" x 5.0"
- Single polyurethane load wheels – 3.25" x 6.5"
- Standard duty casters – polyurethane wheels
- Manual steering
- Key ignition switch
- 24-volt transistor control electrical system
- AC traction motor (brushless)
- Operator selectable, programmable performance modes
- Integrated "soft start" transistor lift pump control
- ADS (Auto Deceleration System) with regenerative braking
- Extended shift feature
- 31.25" x 13.4" open battery compartment
- Electro-mechanical park brake
- UL Classification Type "E"
- Electronic horn
- Impact resistant, steel reinforced, ergonomic control handle
- Pallet exit rollers/entry skids
- Knock-out load wheel axles
- 6" lift height
- Boxed fork construction with reinforced fork tips
- Flush pallet stop
- Long life lift linkage
- Multi-function display
 - Battery state of charge
 - Hour meter
 - Low battery lift interrupt
 - Performance mode indicator
 - Fault indicator
- On-board software
 - Test and diagnose
 - No handset required
 - Password protected

OPTIONAL EQUIPMENT

- Power assist steer
- Battery rollers
- Convenience tray (load backrest mounted or battery mounted)
- RF terminal power supply – 24-volt
- Audible alarm
- Visible alarm – pole mounted amber strobe
- Advanced coast control with side glide
- Manual coast control with side glide
- Casters
 - Heavy duty
 - Heavy duty with sealed wheel and swivel bearings
- Fork lengths
 - 36" long forks
 - 42" long forks
 - 60" long forks
- Drive tire
 - Rubber – 65 durometer
 - Siped polyurethane – 90 durometer
- Load wheels
 - Single and dual
 - 2 bearing and 4 bearing
 - Standard bearing and sealed bearing
- Load backrest
 - 48" high (pivoting or bolt-on)
 - 60" high (pivoting or bolt-on)
 - 72" high (bolt-on)
- Application/environmental construction
 - Cooler/freezer package
operating temperatures: 0° F to +120° F
 - subZERO freezer package
operating temperatures: -40° F to +120° F

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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