

H45-65XM LIFT TRUCKS



The Newest Old Reliable



NEW XM SERIES

There's only one company that always leads in materials handling. Hyster Company. And here is its newest gold medalist, the Challenger 45-65XM lift truck series.



Dependability is key in your business. Because many daily variables affect your operation's productivity, you can be assured that there's one constant performer...the Hyster H45-65XM lift truck series. Hyster Company's newest "old reliable." Time and time again, Hyster lift trucks have proven their reliability by getting the job done efficiently and cost-effectively.

Available in five different models: H45XM, H50XM, H55XM, H60XM, and H65XM, these internal combustion lift trucks have the style, comfort, performance, and serviceability features to keep your productivity levels high. Bottom line: They'll help you out-perform your competition. And, in our ever changing marketplace that's top priority.

What's more, once you own a Hyster lift truck, you'll have the complete backing of both the materials handling leader and the industry's most responsive dealer network. Our commitment to you continues with an ongoing capital investment in manufacturing plants and state-of-the-art-technology. This is our pledge in providing you with world class products targeted to your needs.

This latest generation of Hyster lift trucks is made to lighten your workload and keep your operation moving productively. Truck shown with optional stop and backup light package.



HYSTER FACT:

Providing you with a quality product has always been a part of our heritage. Since 1929, we've earned the reputation as the industry's quality leader. And now there's even more proof —Hyster Company is the first U.S. lift truck manufacturer to receive ISO 9002 registration. This means that your Hyster H45-65XM lift truck is produced under a documented quality manufacturing system.





ERGONOMIC DESIGN

The more time your operators spend behind the wheel, the more you need a lift truck that adapts, conforms, and responds to their every move. So they can perform at their best.



This is ergonomics at work: comfortable, convenient, operating ease, roomy interior and quiet running. We combined everything you wanted in an operator compartment and developed our very own ComforCab. One time behind the wheel and your operators will want to drive in the ComforCab all shift long.

One look at the Hyster H45-65XM lift truck series, and you'll instantly recognize that it's specifically tailored to your operator's needs. Its outward appearance only hints at the many convenience features. For starters, we made it easy getting in and out of the ComforCab. Inside, we placed the tilt cylinders and hydraulic linkage out of sight, creating over 30% more leg room than conventional lift trucks.

Once seated, you do not have to super-extend your arms or legs to reach for the pedals, levers or the steering wheel. Everything is where you'd naturally expect them to be. Straight ahead, backlit analog gauges and an LCD hour meter inform at a glance. Turn the key and the built-in monitor capability

automatically checks systems for service needs. You also asked for storage space. So we put in an amenities tray seat side and a new storage box in the dash. For comfort, we lined the floor with our cushiony DuraTread floor mat. Then we covered everything your hands grip so it's soft to the touch. What's more, we cushioned and muffled the XM series lift truck for quiet operation. Comfortable and in control is precisely how a world class lift truck should make you feel. And that's what you'll find with our ComforCab.



▲ *The new tilt steering column conforms to your driving style. A unique latch specially contoured for quick fingertip access lets you adjust the column to one of four comfortable positions. Power steering response is smooth, sure and takes only 3.7 turns to go lock-to-lock.*

▲ *Reward your operator's productivity. Our new exclusive full-suspension seat (optional) will smooth out most concrete seams or cracks, uneven dock lip and aisleway debris your operator's come into contact with. This new seat's carriage design takes your operator's comfort to the next plateau by providing a larger area for moving up and down to isolate road-born shocks and vibrations. And you'll love how the seat back reclines independent of the seat cushion giving you a more tailored position for increased comfort. The dual integral armrests/hip restraints provide excellent arm or hand hold to minimize torso strain when operating in a rearward position. Best of all, the safety restraint system stops you from being 'cinched', unlike other hood mounted seats.*







See your load clearly with the exclusive VISTA® mast. Widely-spaced mast channels and a grid-style overhead guard give an extensive view.

Step up into the ComforCab effortlessly thanks to the rounded hood, contoured hand grip and extra-big steps. Less than 18 inches off the ground, the steps are placed at the right height. Their open tread design lets gravel and dirt fall through, so you'll have a clear foothold.

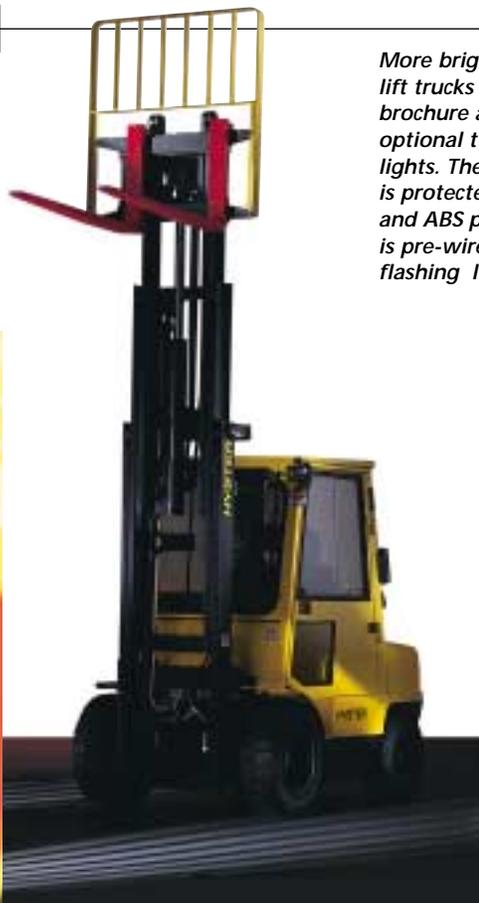


No matter how you grip the 'soft touch' hydraulic levers, they'll mold to your hand for a perfect fit. They're located seat-side where your hand can naturally reach and control the levers, even with your fingertips. Optional fourth function lever shown.

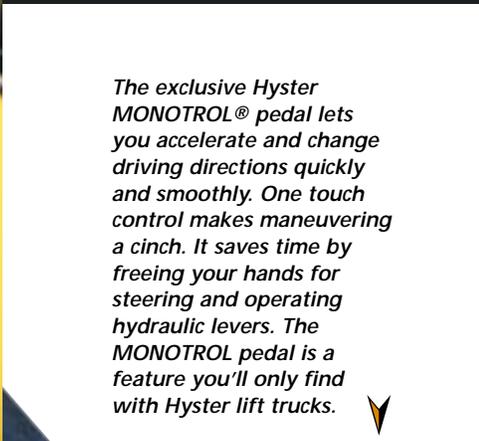


C FEATURES

A perfect add-on if your lift truck works mostly outdoors. This optional cab features a sturdy steel frame equipped with key locked latched (removable) doors, sliding windows, rain gutters and fresh air heater and defroster. Wide windshield and rear window, complete with washers and wipers, provide a clear view. A dome light illuminates the cab in dark areas. ➤



More bright ideas. The H45-65XM lift trucks shown throughout brochure are equipped with the optional two stop and back-up lights. The high-quality light cluster is protected by a plastic housing and ABS plastic cage. The lift truck is pre-wired for added driving or flashing lights. ▼



The exclusive Hyster MONOTROL® pedal lets you accelerate and change driving directions quickly and smoothly. One touch control makes maneuvering a cinch. It saves time by freeing your hands for steering and operating hydraulic levers. The MONOTROL pedal is a feature you'll only find with Hyster lift trucks. ▼



PRODUCTIVITY

When it comes to making your operators more productive, we mean business.



It's the little things that tell you someone is taking care of business.

Everything about this series was designed with operator productivity in mind. Part of productivity is keeping noise and vibration levels to a minimum.

That's why we examined every potential noise source and developed numerous practical ways to make these lift trucks quiet for you.

We isolated the ComforCab, by designing it to be separate from the chassis so it keeps your ride comfortable and quiet. Elastomeric mounts on the steering axle also cushion road shock.

We lined the hood with two-inch thick sound absorption padding.

Installed a floor mat that snugly fits around the cowl and pedals. Put a tight o-ring seal around the perimeter of the hood, amenities tray, counterweight and ComforCab. All to reduce noise transmitted to you. On top of all this, the open-style top structure on the overhead guard lets noise escape through, so it's not trapped inside the ComforCab.

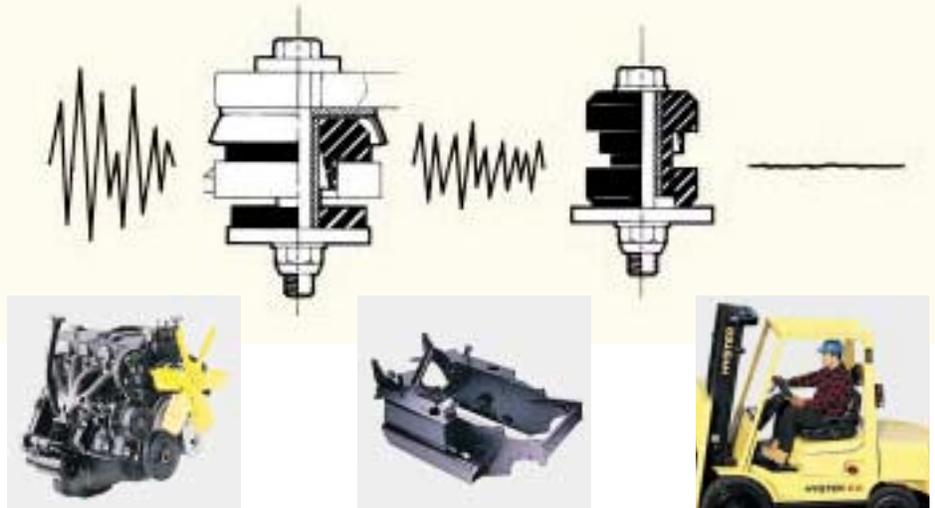
It's this kind of attention to detail, every detail, which lets you work productively in a comfortable, quiet lift truck.

Quiet ride. Model computer analysis helped identify and isolate both engine produced and road induced vibration. All of which makes driving this XM lift truck a real pleasure. Truck shown is equipped with optional 3-stage full free-lift mast.

HYSTER FACT:

Hyster lift trucks are extensively tested at our Portland, Oregon-based Technical Center—the industry's largest and most sophisticated lift truck proving ground. In fact, the XM lift truck series was tested for over 5,400 hours which is equivalent to over 16,300 field working hours.

Here's How We Get Rid of Bad Vibes



We took a comprehensive look at the ways to reduce engine and terrain induced vibration. And then we developed a low vibration power train with unique elastomeric engine mounts and a fully isolated operator compartment.

Since the engine is a primary source of vibration, we mounted it on dual spring rate motor mounts which react differently to varying engine load levels. This helps contain vibration and engine noise. Next, we added four heavy-duty elastomeric mounts on the chassis so the ComforCab is fully isolated from road shock and engine vibration. The result is a new experience in smooth riding comfort.

PRODUCT SUPPORT

A winning combination. When you invest in a Hyster lift truck, you'll have the complete backing of the materials handling leader and the industry's most responsive dealer network.



The same care that went into creating our lift trucks is true of the Hyster lift truck dealer network.

In North America alone, we have over 240 authorized Hyster lift truck dealer locations with an average of more than 20 years experience in the materials handling business. Every Hyster lift truck dealer is carefully selected to provide you with the most comprehensive product support. Each one has lift

truck professionals who can assist you in selecting the right lift truck for your business and developing an affordable financing plan.

Through your Hyster lift truck dealer's parts and service departments, you'll have ready access to genuine Hyster and UNISOURCE™ parts, expert mechanics, convenient repairs and maintenance, and operator or service training. Fully equipped service vehicles can bring

responsive support to you quickly. All of which helps keep your operation on the move.

On-site or at the dealership, you can expect unequaled product support the first day you meet your Hyster lift truck dealer and all throughout your years of ownership.



Discover the Hyster lift truck dealer difference. Your Hyster lift truck dealer has everything it takes to keep your lift trucks up and running.

RELIABILITY

No doubt about it, this Hyster Challenger lift truck goes the distance long after others stopped to catch their breath.



When we designed the H45-65XM lift truck series, we combined our engineering expertise with what you've told us you want. The result: reliable, hard-working lift trucks.

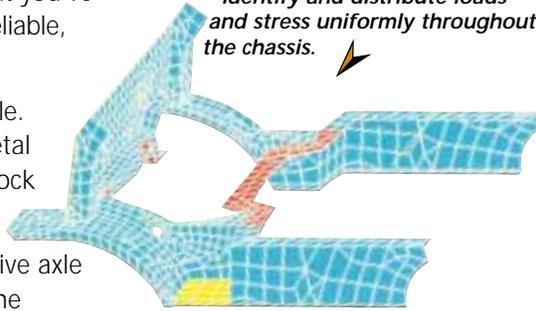
For instance, take our steer axle. Rough and ready. This cast metal frame shrugs off punishing shock loads under hard use.

You can rely on our rugged drive axle too. This cast metal axle has the strength to support the lift truck's heavy-hauling capability. Not only durable, but it's a drive axle that will give dependable service.

You'll have response and fuel-efficient power for top performance day in and day out. The single overhead cam, 4-cylinder, 2 and 2.2-liter Mazda gasoline engines are the standard powerplants for the H45-65XM series. It combines the smarts of electronically

Smooth moves. Hydraulic cushioning smoothes mast transitions during lifting and lowering.

The chassis offers balanced design with lasting durability. Finite element analysis and extensive stress testing which help identify and distribute loads and stress uniformly throughout the chassis.



fuel injected technology with the king of lugging power and strength you need.

But, that's just one engine choice. The same Mazda gas engine can be outfitted with an LPG fuel system. Then there's the optional GM 3.0 liter gas/LPG engine with/without MSTs. And if your looking for a diesel, the optional Perkins 2.6 liter diesel produces high torque output at low engine speeds, reduce emissions while offering superb fuel economy.

Proven durability. The Hyster designed and built powershift transmission endures your most rugged duty cycles. A built-in variable pressure regulator lets you shift directions smoothly and precisely. The clutch packs bathe in a constant stream of cooled filtered oil for added durability.

Nothing works harder than a lift truck's front end equipment. Rest assured, the rigid steel mast combined with the powerful hydraulic system have the strength to help you move loads with confidence and control.

This kind of engineering keeps Hyster trucks up and running long after all others. Once you own a Hyster lift truck, you won't want anything else, ever.



HYSTER FACT:

The Hyster exclusive steer axle is virtually maintenance-free. Durable kingpins are support by pre-loaded, lubed, and sealed tapered roller bearings that stay clean and tight. Fixed length tie rods provide straight tracking and eliminate periodic, adjustments. It only has six lube fittings, unlike others which typically have more.

SERVICING EASE

The Hyster Challenger lift trucks are ones even the toughest mechanic can warm up to.



The best just keep getting better. This new generation of Hyster lift trucks boasts an endless list of serviceability improvements. Time-saving features that take the

lift trucks give you more value for your money.

All of these productivity features make this Hyster XM lift truck series the best choice for your tough jobs.

Troubleshooting made easy. If the electronic fuel injection system (EFI) needs servicing, a check engine light in the H45-65XM trucks instrument panel will alert your operator immediately. Using a hand-held scan tool (optional), a trained technician can diagnose the EFI system, even while the engine is operating.



▶ Plenty of room to work. Remove the two-piece floorplate and you'll have complete access to the transmission filter and main transmission control valve. A spin-on transmission oil filter gives you "quick change" capability.



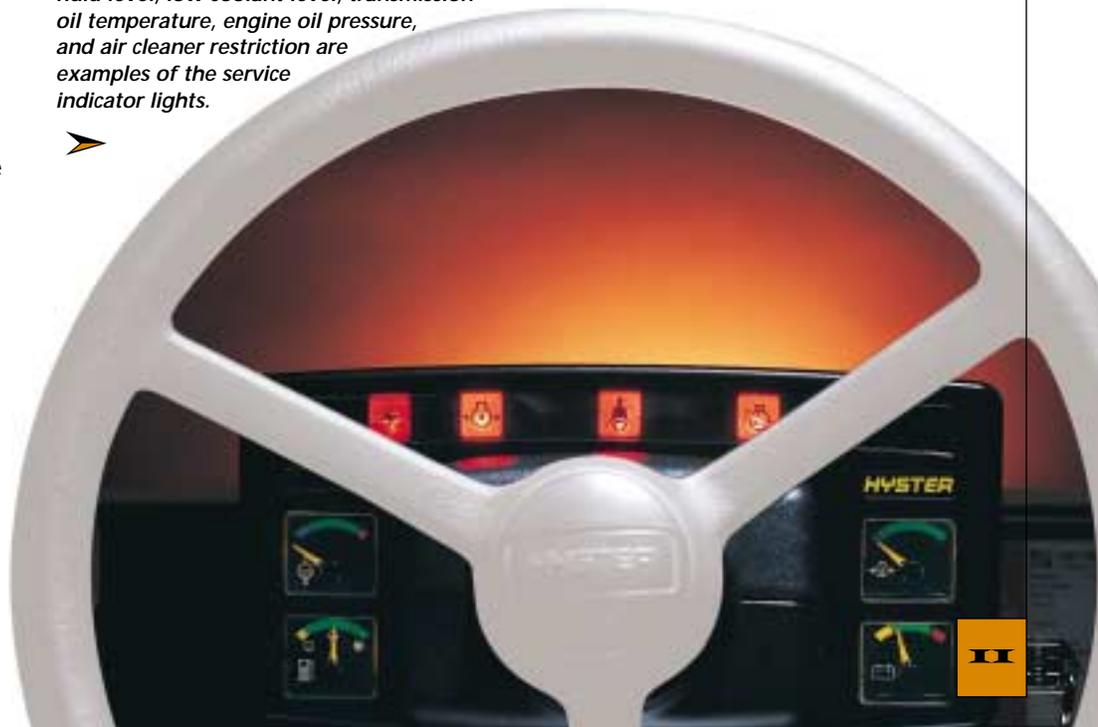
hassles out of performing periodic maintenance checks and repairs, so you can spend more time on the job.

Open the hood. The gas spring assisted hood tilts forward a full 63 degrees so you can get at the part that needs service faster. All periodic maintenance checks can be completed in less than ten minutes. Two removable lower hood panels add more working space. Quick lube job, there are only eight grease fittings. Maintenance free battery. Electrical wiring is color coded for quick circuit tracing. Conveniently located fuse panel beneath the cowl makes replacing the fuses easy.

Mast load rollers are lubed for life and can be reshimmed without having to remove the mast.

Service made simple. The H45-65XM

Vital signs. Sensors continuously monitor operating conditions of certain systems. Service indicator lights in the instrument panel tell your operator if maintenance is required. Brake fluid level, low coolant level, transmission oil temperature, engine oil pressure, and air cleaner restriction are examples of the service indicator lights.



HYSTER. IN FOR THE LONG RUN.



Standard equipment includes:

• Mazda 2.0 liter gasoline engine • Vinyl covered seat • Powershift transmission with MONOTROL pedal • ComforCab isolated operator's compartment • Standard instrumentation/monitor group • Power steering • Tilt steer column • VISTA mast • Complete operator restraint system • DuraTread floor mat • Overhead guard and horn • Operating manual • 3-function valve • High air intake • UL Classification G.



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