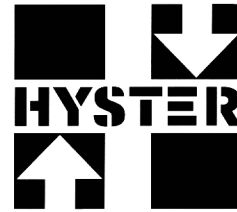


S40-65XM



One of the most important characteristics of successful salespeople is their ability to match the benefits of Hyster's current product line with the application needs and concerns of the potential customer. In order to fully develop this important skill, you must be thoroughly familiar with the features and benefits of Hyster products. The purpose of this section is to provide and reinforce the features and benefits of the Hyster S40-65XM I.C.E. industrial lift trucks.

PERFORMANCE

ENGINES

The S40-65XM is powered by the Mazda engine, with an Overhead Cam design, this 2.0 liter engine develops 42 HP @ 2700 RPM and 104 ft/lb. Torque @ 1700 RPM.

In the S40-65XM trucks, you will find as an option the 2.2 liter Overhead Cam Mazda engine, with 46 HP @ 2700 RPM and 113 ft/lb. Torque @ 1700 RPM.

The General Motors 3.0 liter Overhead Cam engine, with 62.9 HP @ 2900 RPM and 137.3 ft/lb. Torque @ 1400 RPM also comes as an option for the S40-65XM.

All three engines produce high travel and lift speeds, and exceptional drawbar pull. They also utilize High Energy Ignition, for excellent cold starts and fuel economy.

BENEFIT: *Increased productivity and lower operating costs.*

HYDRAULIC SYSTEM

A 3150-psi hydraulic system allows small hydraulic lines and components to be used, which increases operating efficiency and fuel economy. Valve bores are machined to close tolerances, and spools are smooth-finished to provide precise fluid control and wear resistance. A simplified configuration of the Hydraulic Pump, provides low noise and shorter hydraulic line routing. To reduce leak points from extra hoses and fittings, a single hydraulic pump is used.

BENEFIT: *Reduced maintenance and operating costs.*

TRANSMISSION

The powershift transmission permits optimal matching of the torque converter, engine and final drive. A control valve in this single speed transmission combines smooth inching control, and controlled clutch lock-up for reduced shock loads during direction shifts, precise load placement and improved operator control.

BENEFIT: *Smoother operation, less load damage.*

DRIVE AXLE

The drive axle has proven to withstand heavy loads while helping to absorbing shock. A full-floating axle design provides stability and durability with tapered roller bearings.

BENEFIT: *Smooth ride with less chance of damage in rough applications.*

BRAKES

Low-effort braking is accomplished without the need for power assist through the use of a Duo-Servo brake assembly. These self-energizing, self-adjusting brakes use asbestos-free linings, and a sealed fluid reservoir for less dust contamination and greater reliability. A single inch/brake pedal is adjustable to permit precise inching control and reduced rollback on ramps.

BENEFIT: *Low maintenance, easy servicing and customized operator control.*

STEER AXLE

Rubber mounts to dampen shock and vibration cushion a hydrostatic steer axle. The hydraulic cylinder, mounted directly to the axle, directs steering force through a simplified linkage, which improves steering geometry for greater maneuverability and less tire wear. Only two lubrication points are required with this design.

BENEFIT: *Smooth ride, improved steering control and low maintenance costs.*

GLOBAL VISTA MAST

One of the most significant features of the S40-65XM is Hyster's Global VISTA Mast, available in one, two, three, or four stage. These masts feature smooth operation, "Picture Window" visibility, and reduced maintenance. Flush-Face Channels, help to prevent mast stages from catching on racks and truck beds during lifting and lowering. It also reduces front overhang, and maintains the same load face for one, two, or three stage masts. Canted rollers have full-face contact, yet require no periodic side-thrust adjustment. Small-bore cylinders positioned behind the mast channels contribute to exceptional visibility and high lift speeds, while hydraulic cushioning helps to smooth mast stage transitions. The inverted "J" hook mounting enables quick and easy mast changing or repair.

BENEFIT: *Smoother, safer and cost-effective operation with low maintenance and reduced downtime*

ERGONOMICS

OPERATOR'S COMPARTMENT

Many features in the operator's compartment are designed for comfort, convenience, low noise and ease of operation. These factors all help to increase the operator's efficiency, leading to increased productivity. One example of this is the operator's compartment itself. The entire compartment is suspended on rubber mounts to control vibration. A cushioned handgrip has been added to the left overhead guard leg, with a 17" high mounting step located on both sides of the truck to assist easy entrance and exit.

BENEFIT: *Increased productivity due to low noise, low vibration, and reduced operator fatigue.*

ADJUSTABLE STEERING COLUMN

A 14" Soft Grip Steering wheel takes only 4 turns lock-to-lock. A redesigned adjustable steering column can be set to any of five locked positions, with direction controls on both sides of the column.

BENEFIT: *Maximum comfort and control is possible with all operators.*

SEAT-SIDE HYDRAULIC CONTROL LEVERS

The Hydraulic Control Levers are located on the hood to the right of the seat, within easy reach and out of the legroom area. The levers feature low-effort operation, and contoured hand grips for comfort and accuracy. They are also booted to reduce noise.

BENEFIT: *Less fatigue, greater comfort and more accurate control of functions.*

PARKING BRAKE

A parking brake with adjustable tension and a contoured handgrip is located to the left side of the steering column. Simply release the brake and adjust the tension knob under the dash. A button on the grip allows for easy release of the locking lever.

BENEFIT: *Enhance Safety and comfort.*

STANDARD AND PREMIUM SEAT

Hyster provides a non-suspension seat as standard, with a choice of cloth or vinyl cover. This comfort-contoured seat features hip restraint brackets, seat belt, and 6" of adjustment front to back. An optional Premium Full-Suspension Seat is available, in cloth or vinyl. It features an adjustable backrest angle and suspension spring, to accommodate the operator's size and weight. Both seats are fitted with an electrical seat warning circuit that will sound if the operator leaves the truck without setting the parking brake.

BENEFIT: *Operator Comfort which promotes increasing Productivity*

NOISE REDUCTION

The truck's 76dba noise level is attained through the use of sound absorbing components and sealing of hoods and covers with sound dampening materials. The overhead guard uses interlaced slats to reduce reflected sound, which further contributes to overall noise reduction.

BENEFIT: *Quiet operation for less distracting and less fatiguing, results in higher productivity*

CONVENIENCE BOX

A storage box is located on the right side of the dash. This is large enough to hold clipboards, documents and writing instruments.

BENEFIT: *Reduced downtime by keeping materials readily at hand*

DASH DISPLAY

The standard instrument package consists of Engine Hour Display, Coolant Temperature Gauge and, on gas models, Fuel Level Gauge. **Warning lights** for low Engine Oil Pressure, Charging Circuit, Transmission Temperature, and Seat Belt are also standard.

<u>Dash Displays</u>	Standard Display	Optional Display	Standard LPG	Optional LPG	Display Indicator
Engine Coolant	X	X	X	X	Gauge
Fuel Level	X	X			Gauge
Engine Oil Pressure	X	X	X	X	Light
Charge Circuit	X	X	X	X	Light
Transmission Temp.	X	X	X	X	Light
Brake Fluid Level		X		X	Light

Low Coolant *		X		X	Light
Fasten Seat Belt	X	X	X	X	Light
Air Cleaner		X		X	Light
Hour Meter	X	X	X	X	Gauge

BENEFIT: *Provides important early warning information, so that major problems can be prevented.*

SERVICEABILITY

FLOORPLATE

For convenience, an access cover in the floor plate and rubber mat allows the transmission dipstick to be checked without removing the entire floor plate or mat. When removal of the floor plate is necessary, tools are not required.

BENEFIT: *Quick and easy fluid checks, more time to move materials.*

INCH BRAKE PEDAL ADJUSTMENT

Removing the floor plate and adjusting the linkage between the inch brake pedal and the inching spool easily adjust the proportion of inch-to-brake control.

BENEFIT: *Easy to adapt the truck to a specific operator or task.*

"J" HOOK MAST MOUNTING

The inverted "J" hook mounting is integral to the drive axle casting for easy mast removal.

BENEFIT: *Less downtime and cost when mast needs servicing.*

MAST SERVICING

Canted load rollers with full-face contact eliminate the need for side-thrust adjustments, and only two lubrication points are required. This also helps to increase roller and channel life.

BENEFIT: *Reduced downtime, lower long-term operating costs.*

ENGINE COMPARTMENT ACCESS

A high swing-up hood and swing-out side doors provide for easy service access and quick daily routine checks.

BENEFIT: *Encourages efficiency when making daily routine checks.*

STEERING CONTROL

Simplified linkage of hydrostatic steering and only two lubrication points help to reduce maintenance costs and downtime.

BENEFIT: *Quick, cost-effective maintenance and repair*