



STRONG PARTNERS. TOUGH TRUCKS.™

H360HD-EG4

EMPTY CONTAINER HANDLER

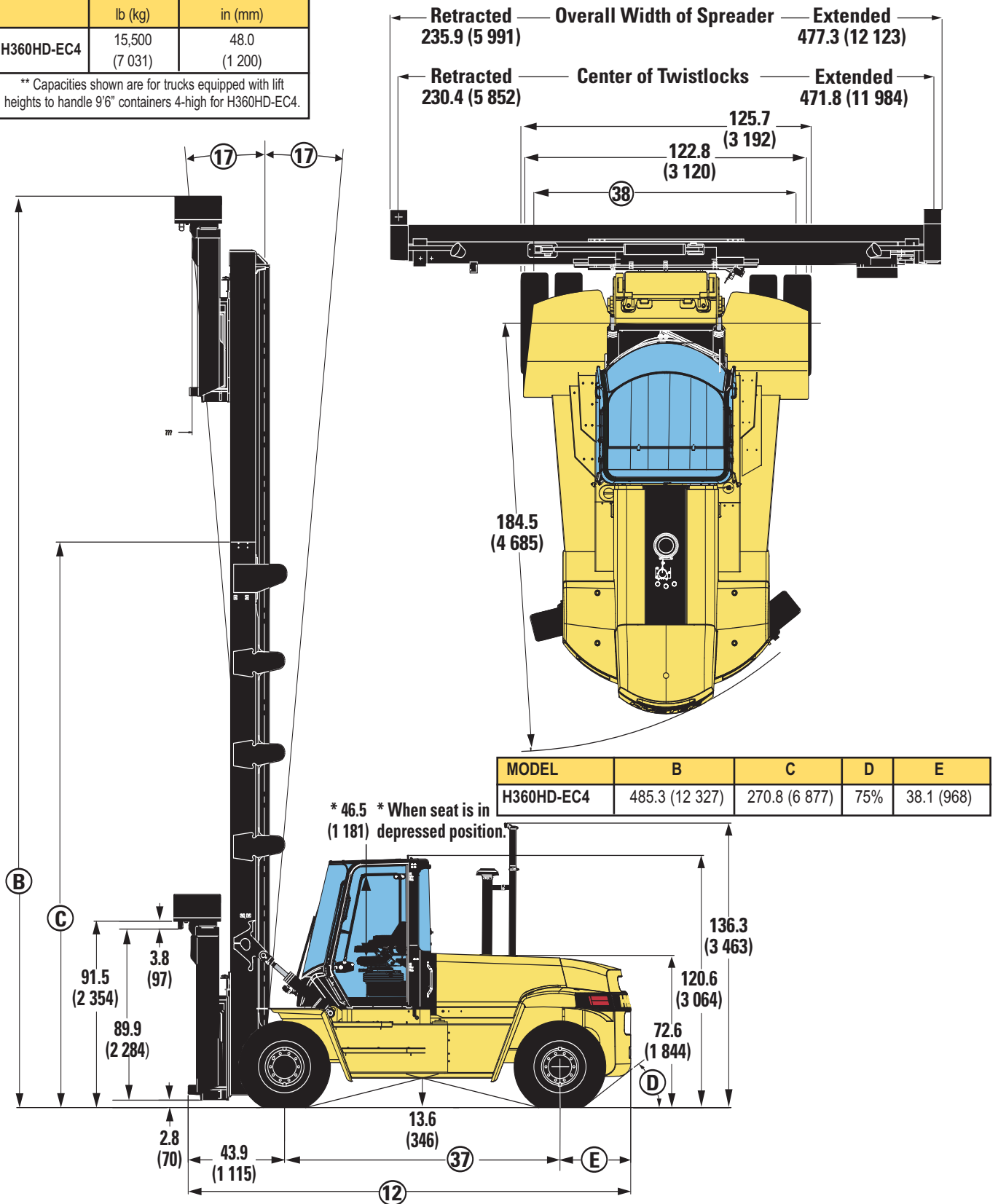


Hyster® H360HD-EC4 Lift Truck Specifications

MODEL	CAPACITY lb (kg)	LOAD CENTER in (mm)
H360HD-EC4	15,500 (7 031)	48.0 (1 200)

** Capacities shown are for trucks equipped with lift heights to handle 9'6" containers 4-high for H360HD-EC4.

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Circled numbers correspond to line numbers on the tabulated specification page. Dimensions are in inches (millimeters).

Hyster® H360HD-EC4 Lift Truck Specifications

GENERAL	1	Manufacturer	Hyster Company
	2	Model	H360HD-EC4
	3	Capacity, rated	15,000 (7 031)
	4	Load center	48.0 (1 200)
	5	Engine / Power type	Diesel
	6	Operator type	Sit
	7	Tire type, front / rear	Pneumatic
	8	Wheels, front / rear	4X / 2 (X=drive)

DIMENSIONS	9	2-stg. VISTA mast (Top of Forks)	in. (mm)	485.3 (12 327)
	10	Attachment, distance from ground to twistlock	in. (mm)	91.5 (2 325)
	11	Height, standard mast lowered / top of cab	in. (mm)	270.7 (6 877) / 120.6 (3 064)
	12	Overall length with attachment	in. (mm)	211.9 (5383)
	14	Load face length, (centerline of drive axle to face of attachment)	in. (mm)	43.9 (1 115)
	15	Width of attachment, retracted / extended	in. (mm)	235.9 (5 991) / 477.3 (12 123)
	16	Side shift, movement on direction	in. (mm)	9.84 (250)
	17	Mast tilt angle, forward / backward	in. (mm)	5 / 5
	18	Overall drive width, drive / steer axle	Deg.°	125.7 (3 192) / 91.1 (2 315)
	22	Turning radius, inner / outer	in. (mm)	6.2 (158) / 184.5 (4 686)
	23	Aisle for 90° stacking, plus 24.0" (610mm) safety margin - 20' / 40' container	in. (mm)	366.6 (9 311) / 556.9 (14 146)

PERFORMANCE †	24	Stability (Comply with ANSI?) *		YES
	25	Travel speed, max forward, NL / RL	mph (km/h)	18.5 (29.7) / 17.3 (27.9)
	26	Lift speed, standard mast, NL / RL	ft/min (m/s)	126.0 (0.64) / 84.0 (0.43)
	27	Lowering speed, standard mast NL / RL	ft/min (m/s)	90.0 (0.46) / 92.0 (0.47)
	28	Drawbar pull, powershift transmission, 1mph, NL / RL	lb _f (kN)	20,643 (91.8) / 21,223 (94.4)
	30	Gradeability, powershift transmission, 1mph, NL / RL	%	42 / 32

WT.	32	Total approximate weight, with ELME 558 spreader NL	lb. (kg)	54,300 (24 631)
	33	Standard spreader total weight	lb. (kg)	9,039 (4 100)
	34	Axle loading, drive & steer NL	lb. (kg)	33,349 (15 127) / 20,947 (9 502)
	35	Axle loading, drive & steer RL	lb. (kg)	58,727 (26 640) / 10,569 (4 794)

WHEELS & TIRES	36	Tire size, drive & steer	in.	12.00 x 20 - 20 PR
	37	Wheelbase	in. (mm)	129.9 (3 300)
	38	Tread, center of wheels, drive / steer	in. (mm)	89.6 (2 276) / 78.7 (2 000)
	39	Ground clearance, lowest point / center of wheelbase NL	in. (mm)	8.0 (203) / 13.6 (346)
	40	Service brakes, type		Wet Disc
	41	Service brakes, actuation		Hydraulic
	43	Steering system, rear steer wheels		Hydrostatic

POWERTRAIN	44	Power unit, internal combustion engine		Cummins QSB5.9-155
	45	Power unit, rating	hp (kw)	155 (116)
	46	Power unit governed speed RL	rpm	2,500
	47	Power unit, peak torque	ft-lbs. (N•m) @ rpm	426 (578) @ 1,400
	48	Power unit, number of cylinders / displacement	cu. in. (L)	6 / 359 (5.9)
	50	Battery, voltage / cold cranking amps	V / amps	24 / 550
	51	Drive axle		Planetary Reduction
	52	Clutch, type		Torque Converter
	54	Number of gears, forward / reverse		3 / 3
	55	Transmission type		Powershift

* **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.

† **NOTE:** Performance specifications/ratings are for truck equipped as described under Standard Equipment in this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature and condition of the operating area. Specifications are subject to change and you should discuss the proposed application with your authorized Hyster Dealer.

Hyster® H360HD-EC4 Standard Features and Equipment

Take The High Road

Use the H360HD-EC4 truck's 155 horsepower Cummins engine, variable flow hydraulic system, VISTA® mast, and ELME 553 spreader to stack 9'6" or 8'6" unladen containers four-high 24 / 7/ 365. Built by craftsmen, this agile empty container handler gives you the reliability, maneuverability and the durability to easily handle your toughest duty-cycle. Best of all, you have the industry's best all-around visibility.

Its performance is gripping, but its serviceability is a show stopper. Hyster Company's unwavering commitment to making service simple is exemplified in the H360HD-EC4. With its gas-spring assisted gullwing doors and manual tilting cab (standard), you have easy access to over 95 percent of the serviceable items on the truck. Just open the right-hand side door to access the fuses and relays - the other 5 percent.

The H360HD-EC4 truck strikes an excellent balance in all-out operator comfort, unmatched performance and unsurpassed serviceability. Whether you lean towards performance, operator comfort or service, this Empty Container Handler rewards you with precise, positive, unladen container control. For even more in-depth information, check out the next few pages.

Frame & Counterweight

- Machine carrier frame made from high-tensile steel.
- Rounded form of hood, fenders and counterweight design dramatically increase your rearward visibility. Unique rear light clusters (brake, back-up lights, turn signals) are recessed in the fenders improving component durability.



- Gas-spring assisted steel fabricated gullwing hood and cover arrangements are designed to maximize service access and minimize downtime.
- Exhaust system with integral muffler and optional air-conditioning system's condenser are aligned on the hood spine to maximize rearward visibility.
- Separate from cab, the self-supported hood, spine and bulk head panel with fitted rubber seal eliminates noise and vibration from being transferred to the operator.

Operator's Cab

- Convenient stairway and handrails afford easy on/off access.
- Operator compartment is mounted on elastomeric rubber mounts, isolating the effects of road-born shocks and vibrations from reaching you, for increased comfort.
- Uncluttered, spacious floor is covered with a molded high-density, easy to clean rubber mat that provides an effective barrier to minimize noise.
- Adjustable, mechanical full-suspension vinyl seat with adjustable armrest provides increased comfort and positions you for fingertip control of hydraulic functions.
- Additionally, the seat is equipped with an operator restraint system and an electrical seat switch that sounds a warning buzzer when the operator leaves the seat without setting the parking brake.



- Independently adjustable seat-mounted armrest with controls, raises to 90 degree angle to facilitate easy entry or egress for either side of cab.
- Multi-position tilt and telescoping steering wheel assists in optimizing your driving position, bolstering your comfort and productivity.
- Manual side tilting cab, pivots to the right-side giving you complete access to all major components and systems.
- Low front cowl on cab provides an unobstructed view ahead. Four red LED lights just above the steering wheel notify you to check the 16 warning lights and 5 gauges of the multi-functional display, on your right in the cab.
- Wide-angle side view mirrors are provided in the top left and right-hand front corners of the cab, for excellent visibility to each side and rearward.

H360HD-EC4

The H360HD-EC4 Empty Container Handler is an artfully assembled collection of steel, rubber, electronics and technology. This empty container handling truck comes with the Cummins QSB5.9-

155 diesel engine, 127.0" overall width at the drive tires, hydrostatic load sense steering, unique rear light cluster (brake, back-up and turn signal lights), open operator cab, 3-speed powershift transmission, and wet disk brakes.

Hyster® H360HD-EC4 Standard Features and Equipment

Steer Axle

- Wide steer axle provides optimum stability.
- Pendulum-mounted axle with a double-acting low-pressure cylinder, affords your operators smooth steering and tight turning radius under all loading conditions.
- Double acting cylinder provides you a tight turning radius.
- Load sense steering provides you low steering effort and excellent performance at all engine speeds.



Drive Axle

- The wide drive axle provides excellent lateral stability. Its full floating drive axle design allows the axle housing to carry the truck weight, not the splined induction hardened shafts, giving you increased durability.
- Oil-cooled, wet disc brakes offer superb brake control and inching capabilities.

Power Source

- Cummins turbocharged, QSB 5.9 liter direct injection diesel engine gives 155 hp. at 2500 rpm, maximum torque 426 ft.-lbs. at 1400 rpm.
- The block and cylinders are cast iron for maximum durability. Additionally, the block extends below the crankshaft for greater reliability.
- Heavy-duty cyclone-type air filter assembly has integral pre-cleaner, while the high air intake with rain cap lengthens the life of air cleaner filter.
- 33.8 gallon (1 218 Liter) fuel tank.

Transmission

- Smooth shifting TE-10 heavy duty 3-speed powershift transmission provides three speeds traveling forward and in reverse.
- A high capacity oil cooler servicing large multi-disc clutch packs increase the powershift transmission's durability and consistent levels of productivity.
- Indicator light on instrument panel informs operator of transmission overheating.
- Control valve drillings, passages and mounting position permit better oil flow through transmission housing, eliminating hydraulic lines and fittings minimizing potential leak points.
- Modulating pressure valve cushions directional shifts, reducing shock loads to provide smooth stepless clutch engagement.
- Electric automatic shifting.

Wet Brake System

- Drive axle has oil cooled wet disc brakes for longer life and greater reliability. Magnets mounted in the axle housing help to minimize oil pollution.
- Power assisted, fully hydraulic actuation (no air system) affords you consistent, low effort control when braking as well as superb inching capabilities.

Controls & Instruments

- Independently adjustable 6-position seat-mounted armrest with controls, allows for optimal positioning relative to the operator's mechanical full-suspension seat.
- Standard equipment is a directional control lever with an accelerator pedal, an inch-brake pedal, and a brake pedal.
- Truck instrumentation is located on a state-of-the-art multi-function display panel to the right-side console. It has 16 warning lights, 5 gauges and a dual function LCD to give you at-a-glance performance information.
- The red hand-operated parking brake button is located to the right of the drivers armrest.

VISTA® Masts

- The Hyster exclusive VISTA® mast's widely spaced channels and overhead guard provide you with the industry's best all-around visibility for more confident load handling.
- VISTA masts are built stronger using hot-rolled mast channels, large pre-lubed and sealed, full radiused load rollers with double tapered ends providing rigid support that defies the flexing/bending of hauling capacity loads at extended heights. They're also the key to the VISTA® masts low maintenance needs.



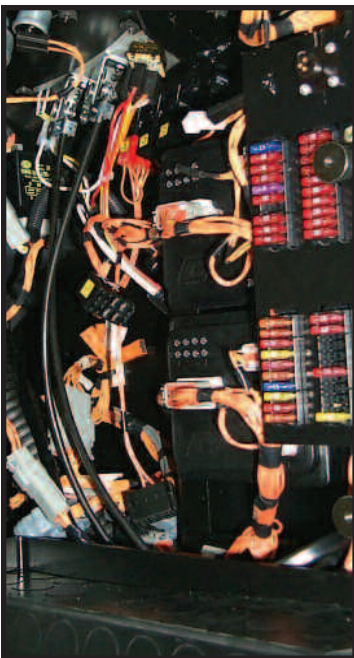
Hyster® H360HD-EC4 Standard Features and Equipment

Hydraulic System

- O-Ring Face Seal type fittings minimize possibilities of hydraulic oil leaks.
- Load sensing hydraulic steering system reduces the number of pumps required to provide you stepless variable flow required, increasing your overall truck's fuel efficiency and reducing operating costs. It also gives your operators superb load command with low effort controls.
- 24 gallon (90 liter) hydraulic tank.

Electrical System

- 24-Volt electrical system. The truck's 2-batteries with 550 cold cranking amps are mounted in the battery box on the right-side running board, for easy access.



- The truck's LCD screen of the multi-function display provides both truck hours and engine and transmission fault codes.
- Fuse and relay panels are located inside the right hand door for easy access to maximize your uptime.
- 70-Amp alternator with internal regulator is standard. And numbered wiring facilitates quick and simple circuit tracing.
- Cab is pre-drilled and pre-wired for the optional light packages, to simplify installation in the field.

At-A-Glance Diagnostics

The H360HD-EC4 Empty Container Handler has an instrument and electronics package that 'tells-all' when it comes to the truck's performance. Mounted to your right-side in the cab, a state-of-the-art multi-function display panel provides you at-a-glance information via 16-warning lights, 5-gauges, and a dual function LCD that gives you truck hours and transmission fault codes. The chart below shows you the form of notification you will get for the various systems monitored.

H360HD-EC4 EMPTY CONTAINER HANDLER LIFT TRUCK	ⓘ INDICATES WARNING FUNCTIONS FOR OPTIONAL FEATURES AVAILABLE ON THE H360HD LIFT TRUCK SERIES.				
Park Brake, Button Actuated	YES	---	---	---	YES
Fasten Seat Belt	YES	---	---	---	---
Fuel, Low Level	YES	YES	YES	---	---
Water Separator, Fuel System	YES	---	---	---	---
Engine, Low Oil Pressure	YES	YES	YES	YES	YES
Engine, Low Coolant Level	YES	---	YES	---	---
Engine, High Coolant Temperature	YES	YES	YES	YES	YES
Engine Air Filter, High Restriction	YES	---	---	---	---
Engine, Hour Meter	---	YES / LCD	---	---	---
Engine, Shut-Down Warning	YES	---	YES	YES	YES
Glowplug ON - Cylinder Heaters	YES	---	---	---	---
Battery Charge - Alternator	YES	---	---	---	---
Air-Brake System, Low Pressure	YES	---	YES	---	---
Hydraulic Brake System, Low Pressure	ⓘ YES	ⓘ---	YES ⓘ	---	---
Hydraulic Brake, High Oil Temperature	ⓘ YES	ⓘ---	YES ⓘ	---	---
Transmission, Low Oil Pressure	YES	YES	YES	---	YES
Transmission, High Oil Temperature	YES	YES	YES	YES	YES
Transmission, Autoshift Error	ⓘ YES	ⓘ YES / LCD	YES ⓘ	---	---

Service Indicator
Lights
Console Dash Gauges
Steering Warning Red LED Lights
Automatic Engine Shutdown
Audible Alarm Sounds



ELME 553 Spreader Standard Features

Spreader

- The ELME 553 spreader is a dedicated, low-mounted, telescopic beam that affords operators excellent visibility for consistent stacking of 8'6" or 9'6" empty containers, up to 4 high. This empty container handler series can handle any size container that meets the container industry ISO standards.
- Designed with the classic ELME characteristics of two parallel extension beams that overlap to ensure maximum resistance to vertical and lateral forces.
- Specially shaped 'bumpers' guide the spreader heads into a container's corner castings, facilitating easier seating for both hydraulically operated vertical twistlocks.



- The vertical floating design of the spreader end beam heads provide you with the pile slope necessary to easily pick up uneven containers.
- Mounted integrally, the ELME 553 spreader affords you (+/-) 10.0 inches (250 mm) of built-in sideshift.
- To ensure proper positioning of both twistlocks prior to turning, 3-indicator lights monitor the "locked", "unlocked" and "seated" position of both twistlocks.
- The ELME 553 Spreader features solenoid valves for all hydraulic functions: extension, retraction, locking and unlocking.
- An electric extension/retraction protection system that incorporates a lift interrupt feature is standard. Additionally, its built-in self leveling feature assists in reducing container damage.



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Spreader Options

- Hydraulic operated stops at intermediate extension positions enhance your capability to quickly adjust to handling multiple container lengths.
- To stimulate operator productivity, the automatic locking feature turns the twistlocks seconds after landing, freeing you to focus on proper alignment and seating (ELME 553 spreader).
- An additional 'lift interrupt' signal feature blocks the hoist function if both twist-locks are not fully turned, eliminating possible twist lock damage. This feature also blocks out the extension/retraction function.
- Control box/panel installed in the cab.
- Twistlock illumination lights.
- Extended sideshift.



Hyster® H360HD-EC4 Standard Features and Options

STANDARD EQUIPMENT

Complete truck equipped with:

- Cummins QSB5.9-155 diesel engine
- Empty container handler configured hydraulic control valve, hose and wire group
- 484" (Top of Attachment) 2-Stage no free-lift VISTA® mast (stacks 9' 6" containers 4-high and 8'6" containers 4-high)
- Horn
- 2-Speed hoist
- 20'-40' telescopic empty container handling attachment
- Anti-slack system
- 3-Speed powershift transmission
- Directional control levers
- Side view mirrors
- Electro-hydraulic controls
- 24-Volt electrical system
- Integral precleaner
- 70 Amp alternator
- Puller-type fan
- 125.6" width over drive tires
- Wet disc brakes
- Telescopic, tilt steering wheel
- 12.00 x 20-20 PR Premium superlug - off-road tires
- 5 degree forward/5 degree back tilt
- Overhead exhaust
- Load sensing steering
- Operator restraint system
- Operator's manual
- U.L. Classification D
- Autoshift transmission with protective forward/reverse shift lock-out.
- Operator compartment features:
 - Premium rubber floormat
 - Wide angle mirrors
 - 4-Function seatside hydraulic control levers
 - Multi-function display panel
 - Mechanical full-suspension vinyl seat
 - Independently adjustable armrest
 - Elastomeric mounted, side tilting cab (manual tilt)

OPTIONAL EQUIPMENT

The following equipment is available for the H360HD-EC4 model series:



- ComforCab II™ provides unparalleled operator comfort, and includes:
- Cab with large tinted safety glass window areas and single piece glass doors with door retainers offer your operators excellent all-around visibility.
- Heater and defrosters, wipers (front intermittent) and washers on the front, top and rear afford you better visibility in all types of weather.
- Factory fit 9kW cooling system with two-speed condenser fans and 10 outlet air vents provides you chilling performance at low engine operating conditions.
- Cloth covered mechanical full-suspension seat or full-suspension air seat in vinyl or cloth covering.
- Multi-function joystick controls the horn, lifting/lowering in addition to spreader slewing, sideshift functions. Additionally, dampening lock controls are available as another option of the joystick controls.
- Powered tilt function of ComforCab II™ 412-Volt auxiliary power source, dome light, 3- speed fan, sunshade, reading light, and rear locking console
- 2-Front fender and 4-operator compartment flood light package.
- Continuously operated amber strobe light mounted on top of overhead guard.
- An exhaust-aspirated precleaner that extends filter life and change interval is available for severe environments.
- Reverse operated back-up alarm that is self adjusting.
- Autoshift 3-speed transmission
- Soft-ride solid tires or Michelin XZM (tubeless) radials
- Raintop for open operator cab equipped trucks.
- Accumulator, 2.5 liter
- Steering wheel spinner knob
- Engine block heater
- Audible alarm that sounds when operating in reverse.



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