

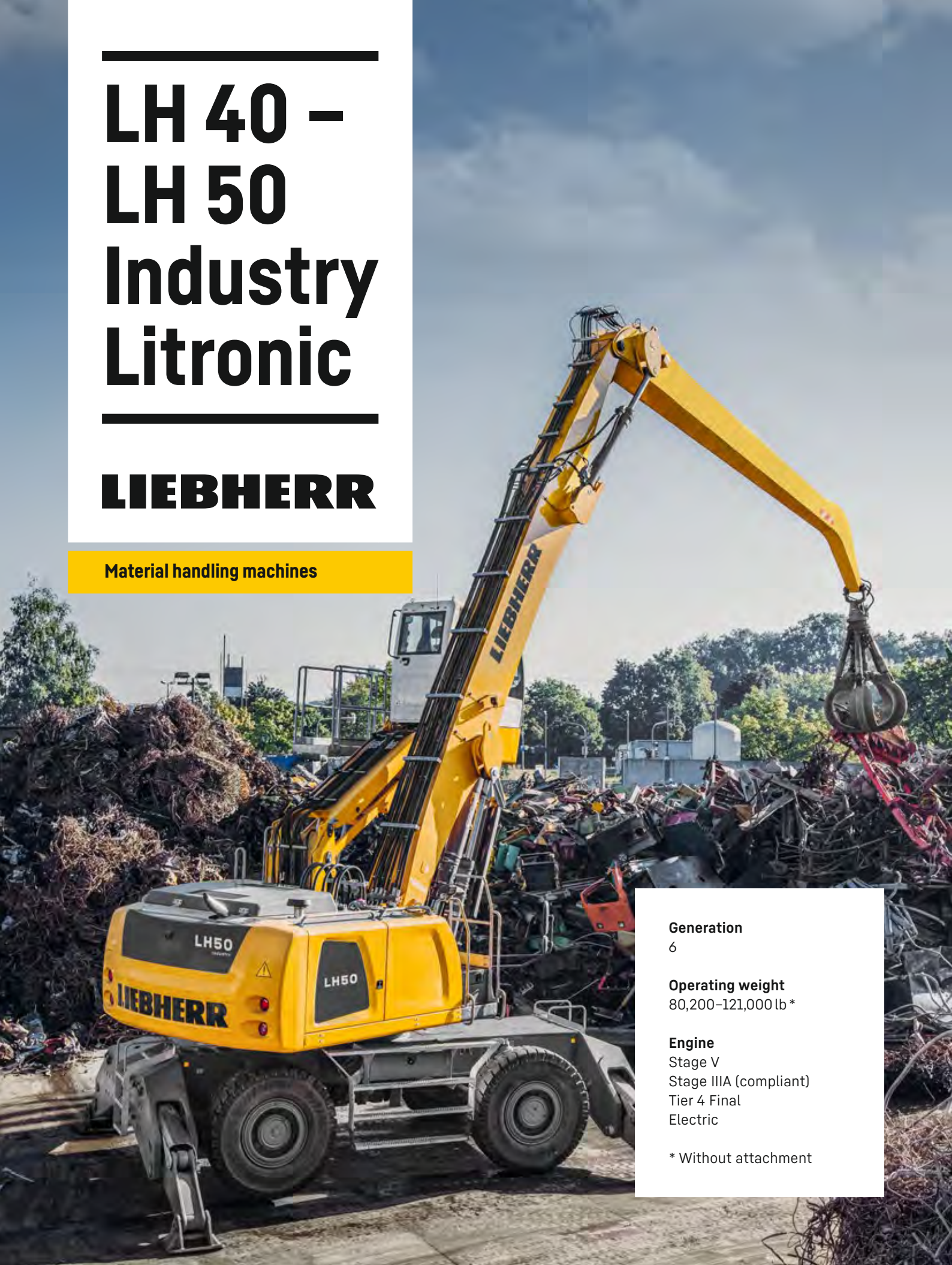
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# LH 40 - LH 50 Industry Litronic

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## LIEBHERR

Material handling machines



**Generation**

6

**Operating weight**

80,200-121,000 lb \*

**Engine**

Stage V  
Stage IIIA (compliant)  
Tier 4 Final  
Electric

\* Without attachment



## Performance

Power plus speed –  
Redefined performance

## Economy

Good investment –  
Savings for long-term

## Reliability

Durability and sustainability –  
Quality down to the last detail

## Comfort

Perfection at a glance –  
When technology is comfortable

## Maintainability

Efficiency bonus –  
Even with maintenance and service



### LH 40 M Industry Litronic

**Operating weight**  
80,200–85,300 lb \* <sup>1)</sup>

**Engine**  
208 HP / 155 kW (Diesel)  
145 kW (Electric)  
Stage V  
Stage IIIA (compliant)  
Tier 4 Final  
Electric

**System performance**  
237 kW (Diesel)  
227 kW (Electric)

### LH 40 C Industry Litronic

**Operating weight**  
82,900–90,200 lb \* <sup>1)</sup>

**Engine**  
208 HP / 155 kW (Diesel)  
145 kW (Electric)  
Stage V  
Stage IIIA (compliant)  
Tier 4 Final  
Electric

**System performance**  
237 kW (Diesel)  
227 kW (Electric)

\* Without attachment

<sup>1)</sup> Different operating weight  
with electric drive





## LH 50 M Industry Litronic

**Operating weight**  
88,200–95,900 lb\*

**Engine**  
208 HP / 155 kW  
Stage V  
Stage IIIA (compliant)  
Tier 4 Final

**System performance**  
269 kW

## LH 50 M High Rise Industry Litronic

**Operating weight**  
102,300–103,400 lb\*

**Engine**  
208 HP / 155 kW  
Stage V  
Stage IIIA (compliant)  
Tier 4 Final

**System performance**  
269 kW

## LH 50 C High Rise Industry Litronic

**Operating weight**  
117,500–121,000 lb\*

**Engine**  
208 HP / 155 kW  
Stage V  
Stage IIIA (compliant)  
Tier 4 Final

**System performance**  
269 kW



# Performance

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## Power plus speed – redefined performance

Liebherr has been designing and manufacturing market leading machines for material handling machines for over 60 years. The generation of Liebherr handlers, the LH 40 and LH 50, are high performance yet economical machines specially designed for use in scrap recycling, in timber yards and also for bulk handling.



## Maximum handling capacity

### High engine output

Due to the high engine power, the system has a high torque for more powerful, faster movements. Furthermore, the machine automatically compensates for load peaks, meaning full torque is available at all times for maximum handling capacity.

### High swing torque

The separate hydraulic pump in the closed slewing circuit only supplies hydraulic fluid to the swing mechanism. The maximum delivery volume is thus available at any time for turning the uppercarriage for fast and dynamic rotational movements.

### Energy recovery system ERC

Lowering the equipment in the ERC system provides the machine with additional stored energy. This results in increased system performance, which in turn enables more powerful, faster and more homogeneous work cycles and increases handling performance.

## Precision operation

### LSC Hydraulic system with electrical pilot control

The 2-circuit Liebherr-Synchron-Comfort-system (LSC) with LUDV technology (flow distribution independent of load pressure) ensures faster working movements with up to 20% less energy consumption in comparison to the predecessor models.

All work functions of the machine are controlled electrically, whereby the signals of the transmitters are only converted directly at the control block by hydraulic means. This technology enables end position damping of the equipment in order to protect the components and thus extend their service life. Simple, individual setting and adjustment of the working speed of boom, stick and slewing mechanism allow the driver to adjust the machine to each application and fully utilize the machine's capacity.

### Firm and stable positioning

An essential prerequisite for precise working and maximum handling capacity is the firm and stable positioning of the machine. The design of the Liebherr undercarriage optimizes the way forces are induced on components to minimize stress and guarantee maximum stability and durability.



### Liebherr diesel engine compliant with Tier 4 Final

- Powerful, robust and reliable
- Maximum torque even at low speeds to ensure fast movements with low fuel consumption
- Common-Rail injection system for maximum efficiency
- Emissions treatment with Liebherr SCR technology



### Closed slewing circuit

- High torque for maximum acceleration and fast rotary movements
- Integrated speed sensor for controlling and monitoring braking movement for greater safety
- Greater fuel efficiency thanks to intelligent energy management in the closed system



### Electrical pilot control

- Precision control irrespective of the ambient temperature for maximum precision
- Simpler and faster fault diagnostics for optimal availability
- Up to 5 individual driver profiles can be saved



# Economy



## Good investment – savings for the long-term

Liebherr material handling machines combine high productivity with excellent economy thanks to the use of in-house components as well as sophisticated engine technology and highly efficient demand-controlled hydraulics.



## Increased productivity

### Engine idling and engine shut-down

The standard automatic idling function reduces the engine speed to idle as soon as the operator takes his hand from the joystick so that no hydraulic function is activated. Proximity sensors in the joystick levers restore the original engine speed as soon as the operator's hand is moved towards the lever again. This ensures that the set engine speed is available immediately. The result is a combination of energy saving and reduced noise levels. Operating costs can be reduced even further with the optional automatic engine shut-down function.

### Closed hydraulic circuit for the swing mechanism

The closed slewing circuit feeds the braking energy back into the system when the uppercarriage is braked. Here, new standards are set in terms of efficiency and economy. Simple yet effective.

### Attachments and quick coupling systems

Liebherr offers a wide selection of attachments for every application to increase the productivity of its material handling machines. In addition the material handlers can be fitted with a Liebherr quick coupling system which increase the productivity of the machine by up to 30%. The matching attachment and quick coupling system combined with the outstanding dynamics of a Liebherr handler ensures highest handling capacity and maximum productivity.

## Electrical efficiency

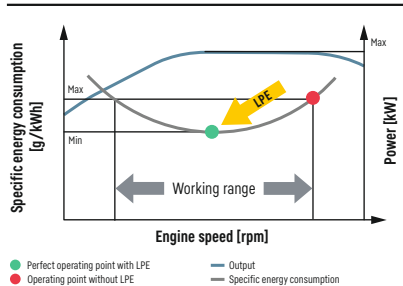
### Electric drive concept

The electric drives offer an economical and sustainable solution in the field of material handling. The drive motors operate in an environmentally friendly and emission-free manner, which makes them independent of any exhaust emission standards. A significant reduction in operating and service costs is achieved due to the elimination of maintenance work such as oil changes and fuelling breaks, as well as longer service intervals compared to diesel models. This increase in efficiency results in optimal working times and increased productivity in the field. In addition, the low-vibration and low-noise operation ensures improved working comfort.

### Sustainable profitability with electric machines

An investment in an electric material handling machine pays off in the long term. These advanced drives offer numerous advantages that enable fast amortisation of the machine and significant cost savings compared to conventional diesel engines. Given the growing importance of environmental criteria and emissions, electric drives are an economical alternative that ensures both sustainable profitability and environmentally friendly operation.

Liebherr Power Efficiency (LPE) System



### Low energy consumption thanks to intelligent machine control

- Liebherr-Power Efficiency (LPE) optimizes the interaction of the drive components in terms of efficiency
- LPE enables machine operation in the area of the lowest specific energy use for less consumption and greater efficiency with the same performance

### Liebherr-attachments

- Robust and service-friendly slewing drive, can be turned 360°
- Optimum filling and clamping performance for effective material handling
- Finite element method (FEM) optimized for a perfect relationship between grapple weight, volume and a very long service life

### Frequency converters

- Individual adjustment of the speed
- Smooth start-up to avoid inrush current peaks and high energy savings due to effective start-up current limitation
- Simple adjustment to all conventional power supply networks



# Reliability

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## Durability and sustainability – quality down to the last detail

Every day Liebherr material handlers demonstrate their qualities in a range of industrial applications all over the world. Years of experience, continuous development and the latest technologies provide maximum safety in use. Their robust design and the use of components produced in-house ensure that the LH 40 and LH 50 are designed for a long service life.



## More safety

### Pipe fracture safety valves

The standard pipe fracture safety valves on the stick and hoist cylinders prevent the equipment from dropping in an unregulated way and ensure maximum safety during every operation.

### Working range limiters

For operations in which the working range should be limited, the material handling machines can be specified with an optional working range limitation feature. Collisions and resulting component damage can thus be avoided.

### Overload warning device and load torque limitation

The audible and visual overload warning system continuously tells the operator about the current load situation of the machine. Furthermore, load torque limitation automatically regulates the speed of the working hydraulics to allow the maximum load bearing capacity to be approached safely. In the event of an overload, the functions which could cause the machine to topple are disabled. Only movements back to the safe working range are then possible.

## High machine availability

### Quality and competence

Our experience, understanding of customer needs and the technical implementation of these findings guarantee the success of our products. For decades, Liebherr has been inspirational with its depth of production and system solutions. Key components such as the diesel engine, electronic components, slew ring, swivel drive and hydraulic cylinders are developed and produced by Liebherr itself. The great extent of in-house manufacturing guarantees maximum quality and ensures that components are optimally configured to each other.

### Robust design

All steel components are designed and manufactured by Liebherr. High-strength steel plates configured for the toughest of requirements result in high torsional stiffness and optimum absorption of forces to give a longer service life.

### Intelligent self diagnostics

The innovative control electronics permanently monitor the vital functions of the machine to guarantee a high level of machine availability. Components which are critical for safety have a secondary redundancy feature to guarantee maximum safety and reliability.



### QPDM – quality and process data management

- QPDM allows production data to be logged, documented and evaluated
- Test specifications and machine documented automatically logged
- Ability to handle large quantities of data while maintaining uniform high quality



### Piston rod protection

- Maximum protection of piston rod
- Robust construction of hot-dip galvanized steel for a long service life in tough applications
- Available for outriggers, hoist cylinders, ERC cylinder and tip cylinder as an option



### Equipment

- Components enhanced using FEM for maximum service life even if subjected to heavy lateral stresses during demanding tasks
- Cables routed internally to protect them from damage
- High load capacities with long reaches
- Reaches up to 62 ft

# Comfort

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## Perfection at a glance – when technology is comfortable

The Liebherr deluxe cab is spacious, has an ergonomic design and is very quiet. This ensures that the operator is able to fully focus throughout the working day.



## Deluxe cab

### Ergonomic design

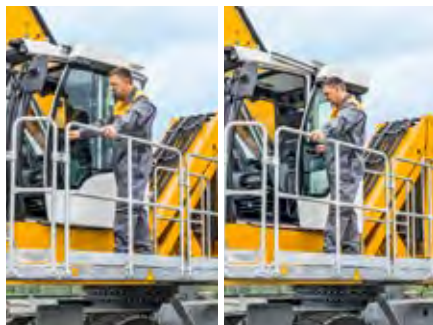
The cab design provides excellent conditions for healthy, focused and productive work in maximum comfort. The color touchscreen display, the controls and operator's comfort seat are all coordinated to form a perfect ergonomic unit. In addition the ergonomic joysticks allow the machine operation to be both pleasant and precise.

### Excellent all around vision

The large areas of glass, different versions of cab elevations and the rear and side area monitoring systems provide the operator with an excellent view of his working area and the zone around the machine. This perfect view enhances the operator's safety and ensures that he can handle the machine safely at all times.

### Low noise levels

The use of viscoelastic mounts, good insulation and low noise diesel engines from Liebherr minimises noise emissions and vibrations. Both electric and diesel-powered machines produce extremely low sound levels, which means they are classed as low-noise machines that are not harmful to people and the environment.



### Safe access

- Foldable left arm console, as well as wide, non-slip steps, catwalks and platforms, and ergonomically positioned handles for easy and safe access
- All access systems are designed to national guidelines and statutory regulations
- Sliding door for comfortable entry with narrow platforms is available as an option

## Comfortable operation

### Proportional control

Precision control of the material handling machine is especially important in applications such as waste separation or scrap recycling. Thanks to the standard proportional control, even such demanding operations can be mastered with ease.

### Joystick steering and stabilizing

The standard joystick steering gives the operator an additional comfort boost. The steering movement can be conveniently executed using the joystick, eliminating the need to reposition during the work cycle. Substituting the steering wheel in favor of joystick steering provides additional legroom and a clear view of the working area. A standard feature is the control of the outriggers with the joystick for more comfort and an increased productivity of the machine.

### Color touchscreen display and operation unit

The 9" color touchscreen display is intuitive in its operation and provides continuous information about all important operating data. The shortcut keys can be individually assigned and are selected quickly and easily with the menu strip.



### Comfort operator's seat with adjustable armrests

- Greater seating comfort due to variable damper hardness, lockable horizontal suspension, pneumatic lumbar support, seat heating and passive seat air conditioning for concentrated working
- Individual adjustment options for armrests, seat cushion depth, seat angle and head restraint for healthful working



### Joystick with proportional control

- Good functionality with streamlined, ergonomic design
- 4-way mini joystick can be used to control all operations e.g. steering, outriggers and attachments etc.
- Joysticks - each with two buttons and a rocker switch - increase the number of functions available

# Maintainability

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## Efficiency bonus – even with maintenance and service

The Liebherr LH 40 and LH 50 material handling machines are powerful, robust, precise and efficient. They also feature integral maintenance benefits as a result of their service-based design. All maintenance work for Liebherr material handlers can be carried out quickly, easily and safely. This minimizes the machine's maintenance costs and downtime.



## Efficient maintenance concept

### Service-based machine design

The service-based machine design guarantees short servicing times, thus minimizing maintenance costs. All the service points are positioned in close proximity to one another, are easily accessible from the ground or on catwalks and platforms, and easy to reach thanks to the large, wide-opening service doors. This means that service work can be completed even more quickly and efficiently.

### Integral maintenance benefits

Maintenance work helps to keep the machine fully functional. However this kind of work leads to machine downtimes which must be minimized. With change intervals of up to 2,000 hours for engine oil and up to 8,000 hours for hydraulic oil, Liebherr has significantly reduced the amount of maintenance and increased the productivity of the material handlers. In addition, central lubrication systems minimize daily maintenance. Above all, electric material handling machines are characterized by their low maintenance requirements.



### Lubrication as it works

- Fully automatic central lubrication system for uppercarriage and equipment
- Fully automatic central lubrication system for the undercarriage available as an option
- Lubricates without interrupting work to ensure better productivity and a long component service life



### Servicing advantages for electrical machines

- Low operating and maintenance costs
- Significantly longer maintenance intervals compared to diesel engines due to a lower number of wear parts
- Cost savings on servicing
- Maximum productivity due to permanent readiness of the machine

## Your competent service partner

### Remanufacturing

The Liebherr remanufacturing program offers cost-effective reconditioning of components to the highest quality standards. Various reconditioning levels are available: Replacement components, general overhaul or repair. The customer receives components with original part quality at a reduced cost.

### Competent advice and service

Competent advice is a given at Liebherr. Experienced specialist provide decision guidance for your specific requirements: application-oriented sales support, service agreements, economical repair alternatives, original parts management, as well as remote data transmission for machine planning and fleet management.



### Rapid spare parts service

- 24-hour delivery: Spare parts service is available for our dealers around the clock
- Electronic spare parts catalogue: Fast and reliable selection and ordering via the Liebherr online portal
- With online tracking, the current processing status of your order can be viewed at any time

# Material handling machines overview

## Equipment

- High load capacities and long reach thanks to optimized kinematic properties and robust construction for greater handling performance
- Energy recovery cylinder filled with nitrogen for maximum efficiency through less energy consumption at more handling capacity
- Pipe fracture safety valves on hoist and stick cylinders and retract stick shut-off for maximum safety during every application
- Quick coupling systems and attachments made by Liebherr for maximum machine capacity, utilization and greater handling performance

## Operator's cab

- Joystick steering without steering column as standard for convenient operation, greater legroom and clear view of the working area
- Less strain on the operator, workers and reduced environmental pollution due to lower noise emissions
- Optimum visibility thanks to large glass surfaces and standard rear and side area monitoring with camera
- Proportional control is standard with 4-way mini joystick for greater precision, high precision control and functions







## Uppercarriage

- 2-circuit Liebherr-Synchron-Comfort-system (LSC) with LUDV technology for faster working speed at up to 20% less energy consumption
- 155 kW engine output and greater pump flow for fast work cycles, convincing dynamics and maximum handling performance
- Electrical pilot control enables individual settings for the operator and an end position damping of the equipment
- Reduction in operating costs thanks to built-in maintenance advantages and optimum service accessibility
- Frequency converter provides the direct energy supply and control for the electric motor\*

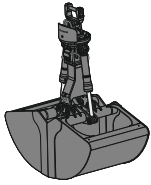
## Undercarriage

- Optimized hydraulics with closed slewing mechanism circuit for greater energy efficiency and faster work cycles
- Central lubrication system (manual/ full automatic) for more productive working time (optional available)
- Load-holding valves fitted as standard on all support cylinders for maximum stability in every application
- Less downtime thanks to maintenance-free support cylinders
- Different cable variants for flexible applications and high mobility\*

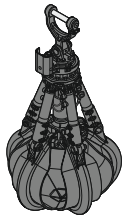
\* only with electric

# The perfect solution for every application

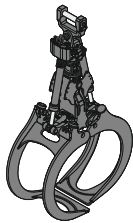
## Attachments



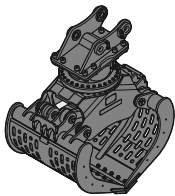
Grab for loose material



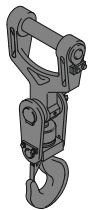
Multi-tine grab



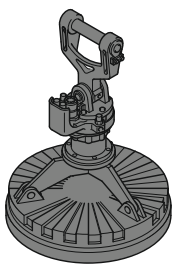
Wood grab



Sorting grab

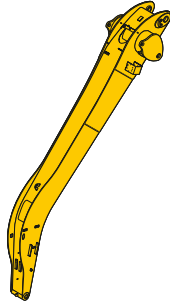


Load hook

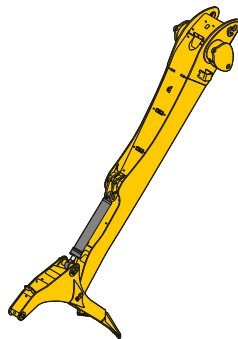


Magnet plate

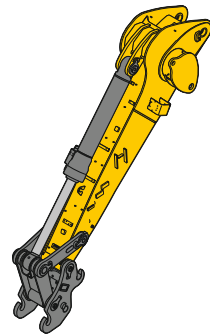
## Sticks



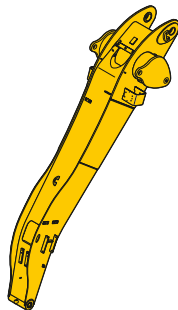
Angled stick



Stick with counterstay

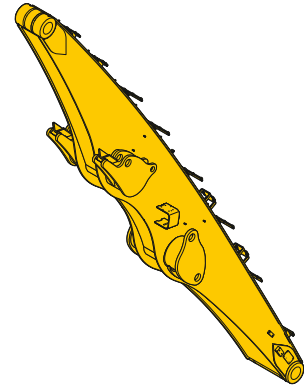


Stick for scrap shear

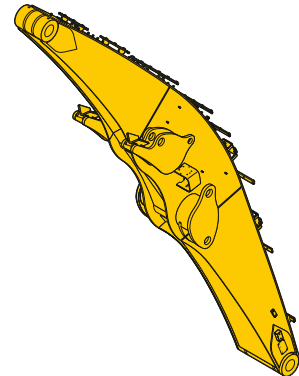


Flat angled stick

## Booms



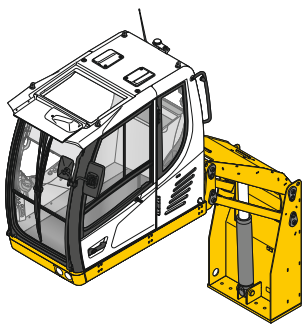
Straight boom



Angled boom



## Cab elevations



Hydraulic cab elevation



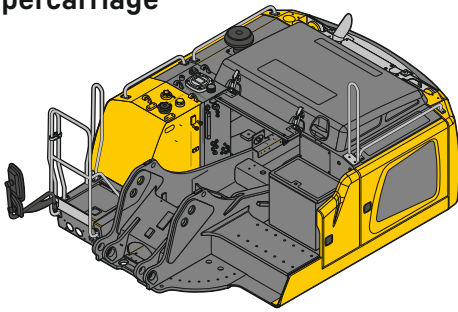
30° tilt function



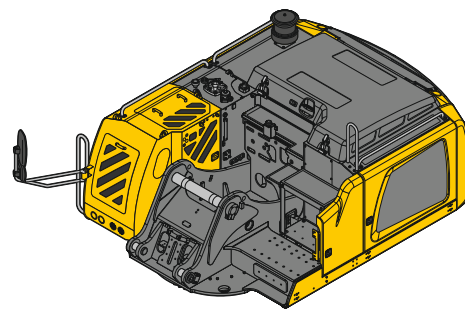
Rigid cab elevation

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## Uppercarriage



Diesel



Electric

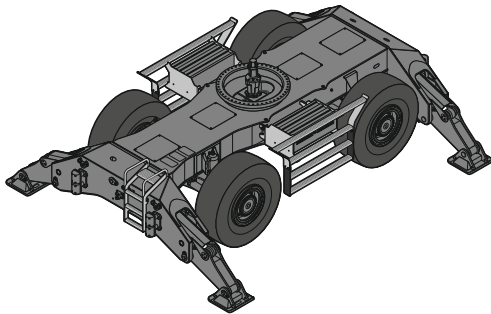
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## Turret elevations

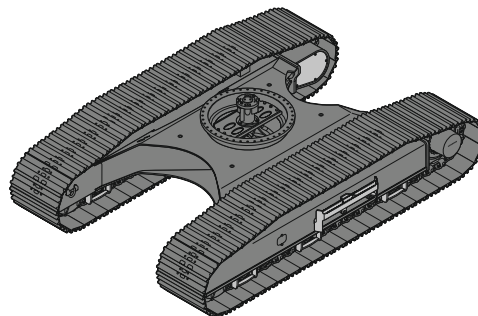


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## Undercarriage



Mobile



Crawler

# Examples of use



LH 50 M Industry Litronic in scrap handling operation



Container dismantling with the LH 40 M Industry Litronic



LH 50 M Industry Litronic in trailer operation when handling logs



Scrap handling with the LH 50 M Industry Litronic





Loading extruded aluminium bundles onto wagons with the LH 50 M Industry Litronic



Loading a concrete mixing plant with the LH 40 M Industry Litronic



LH 50 C High Rise Industry Litronic loading waste wood



LH 40 M Industry Litronic for disassembling steel girders with a scrap shear

# Technical data

## Diesel engine

<b>Rating</b>	
per SAE J1349	208 HP (155 kW) at 1,800 rpm
per ISO 9249	211 HP (155 kW) at 1,800 rpm
<b>Model</b>	Liebherr D934
<b>Type</b>	4 cylinder in-line
Bore / Stroke	4.8 / 5.9 in
Displacement	427.17 in <sup>3</sup>
<b>Engine operation</b>	4-stroke diesel Common-Rail Turbo-charged and after-cooled Reduced emissions
<b>Air cleaner</b>	Dry-type air cleaner with pre-cleaner, primary and safety elements
<b>Engine idling</b>	Sensor controlled
<b>Electrical system</b>	
Voltage	24 V
Batteries	2 x 180 Ah / 12 V
Alternator	Three-phase current 28 V / 140 A
<b>Stage V</b>	
Harmful emissions values	According to regulation (EU) 2016/1628
Emission control	Liebherr-SCR Filter technology
Fuel tank	120 gal
Urea tank	17 gal
<b>Stage IIIA (compliant)</b>	
Harmful emissions values	In accordance with ECE-R.96 Power Band H
Fuel tank	120 gal
<b>Tier 4 Final</b>	
Harmful emissions values	In accordance with 40CFR1039 (EPA) / 13CCR (CARB)
Emission control	Liebherr-SCR technology
Fuel tank	120 gal
Urea tank	17 gal

## Electric motor

<b>Rating</b>	145 kW at 1,800 rpm
<b>Type</b>	Three-phase squirrel cage motor
<b>Secondary electric motor</b>	Electric motor auxiliary equipment (air-conditioning compressor, alternator 24 V) 15 kW
<b>Electrical system energy supply</b>	Frequency converter fed drive system Heavy-duty version
<b>Supply voltage</b>	
Low voltage	380 V, 400 V
Frequency	50 / 60 Hz
<b>Engine idling</b>	Sensor controlled
<b>Electrical system</b>	Battery-assisted Control system, lighting, diagnostics system
Voltage	24 V
Batteries	2 x 135 Ah / 12 V
Alternator	Three-phase current 28 V / 140 A

Deviating parameters of the power supply system must always be clarified with Liebherr-Hydraulikbagger GmbH.

## Cooling system

<b>Diesel engine</b>	Water-cooled Compact cooling system consisting cooling unit for water, hydraulic oil and charge air with stepless thermostatically controlled fan
<b>Electric motor</b>	Air-cooled Cooling system for hydraulic oil with an infinitely variable, thermostatically controlled fan drive system

## Hydraulic controls

<b>Power distribution</b>	Via control valves with integrated safety valves, simultaneous actuation of chassis and equipment. Swing drive in separate closed circuit
<b>Servo circuit</b>	
Equipment and swing	With electro-hydraulic pilot control and proportional joystick levers
Chassis mobile	Electro-proportional via foot pedal
Chassis crawler	With electric proportionally functioning foot pedals or adjusted with plugable levers
<b>Additional functions</b>	
Proportional control	Via switch or electro-proportional foot pedals Proportionally acting transmitters on the joysticks for additional hydraulic functions

## Hydraulic system

<b>Hydraulic pump</b>	
For equipment and travel drive	2 Liebherr axial piston variable displacement pumps (double construction)
Max. flow	2 x 63 gpm
Max. pressure	5,076 psi
For swing drive	Reversible axial piston variable displacement pump, closed-loop circuit
Max. flow	38 gpm
Max. pressure	5,366 psi
<b>Hydraulic pump regulation and control</b>	2 circuit Liebherr-Synchron-Comfort-system (LSC) with electronic engine speed sensing regulation, pressure and flow compensation, automatic oil flow optimizer
<b>Hydraulic tank</b>	75 gal
<b>Hydraulic system</b>	160 gal
<b>Filtration</b>	1 main return filter with integrated partial micro filtration (5 µm)
<b>MODE selection</b>	Adjustment of engine and hydraulic performance via a mode pre-selector to match application, e.g. for especially economical and environmentally friendly operation or for maximum material handling and heavy-duty jobs
S (Sensitive)	Mode for precision work and lifting through very sensitive movements
E (Eco)	Mode for especially economical and environmentally friendly operation
P (Power)	Mode for high performance with low fuel consumption
P+ (Power-Plus)	Mode for highest performance and for very heavy duty applications, suitable for continuous operation
<b>Engine speed and performance setting</b>	Stepless alignment of engine output and hydraulic power via engine speed
Option	Tool Control: 20 pre-adjustable pump flows and pressures for add-on attachments

## Swing drive

<b>Drive</b>	Liebherr axial piston motor in a closed system, Liebherr planetary reduction gear
<b>Swing ring</b>	Liebherr, sealed race ball bearing swing ring, internal teeth
<b>Swing speed</b>	0-4.7 rpm stepless (LH 40) 0-5.0 rpm stepless (LH 50) 0-4.0 rpm stepless (High Rise)
<b>Swing torque</b>	61,955 lbf ft
<b>Holding brake</b>	Wet multi-disc (spring applied, pressure released)
<b>Option</b>	Slewing gear brake Comfort



## Cab

<b>Cab</b>	TOPS safety cab structure (tip-over protection) with individual windscreens or featuring a slide-in subpart under the ceiling, work headlights integrated in the ceiling, a door with a sliding window (can be opened on both sides), large stowing and depositing possibilities, shock-absorbing suspension, sound damping insulating, tinted laminated safety glass, separate shades for the sunroof window and windscreen
High Rise	Deviating from standard: safety cab structure with fixed built-in front and roof window made from impact-resistant laminated safety glass
<b>Operator's seat Comfort</b>	Air cushioned operator's seat with 3D-adjustable armrests, headrest, lap belt, seat heater, adjustable seat cushion inclination and length, lockable horizontal suspension, automatic weight adjustment, adjustable suspension stiffness, pneumatic lumbar vertebrae support and passive seat climatization with active coal
<b>Operator's seat Premium (Option)</b>	In addition to operator's seat comfort: active electronic weight adjustment (automatic readjustment), pneumatic low frequency suspension and active seat climatization with active coal and ventilator
<b>Arm consoles</b>	Joysticks with control consoles and swivel seat, folding left control console
<b>Operation and displays</b>	Large high-resolution operating unit, self-explanatory, color display with touchscreen, video-compatible, numerous setting, control and monitoring options, e.g. air conditioning control, fuel consumption respectively energy consumption, machine and attachment parameters
<b>Air-conditioning</b>	
Diesel engine	Automatic air-conditioning, recirculated air function, fast de-icing and demisting at the press of a button, air vents can be operated via a menu; recirculated air and fresh air filters can be easily replaced and are accessible from the outside; heating-cooling unit, designed for extreme outside temperatures, sensors for solar radiation, inside and outside temperatures
Electric motor	In addition to diesel engine: stationary air conditioning function with external climate condenser - controlled by a weekly timer

## Equipment

<b>Type</b>	High-strength steel plates at highly-stressed points for the toughest requirements. Complex and stable mountings of equipment and cylinders
<b>Hydraulic cylinders</b>	Liebherr cylinders with special sealing and guide system and, depending on cylinder type, shock absorption
<b>Energy recovering cylinder</b>	Liebherr gas cylinder with special sealing and control system
<b>Bearings</b>	Sealed, low maintenance

## Undercarriage

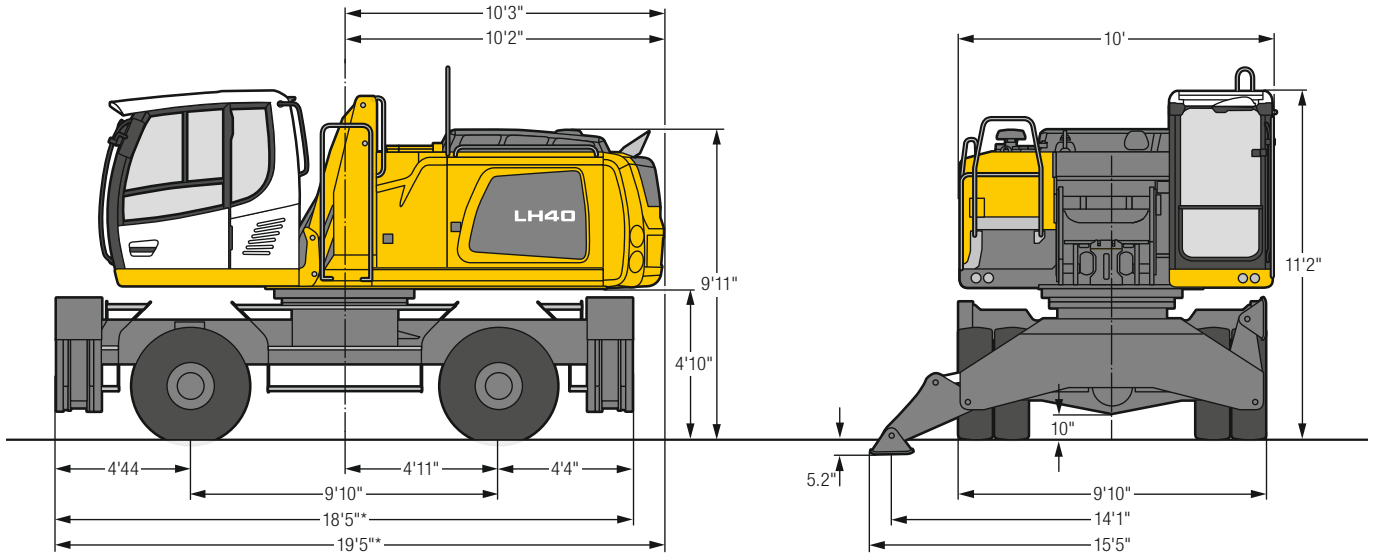
<b>Mobile</b>	
Versions	Standard, High Rise
Drive	Oversized two speed power shift transmission with additional creeper speed, Liebherr axial piston motor with functional brake valve on both sides
Travel speed	0-1.9 mph stepless
Joystick steering	(creeper speed + transmission stage 1) (Diesel) 0-1.5 mph stepless (creeper speed + transmission stage 1) (Electric) 0-3.1 mph stepless (transmission stage 1) 0-7.5 mph stepless (creeper speed + transmission stage 2) 0-7.5 mph stepless (transmission stage 2)
Travel speed	0- 1.9 mph stepless
Wheel steering (Option)	(creeper speed + transmission stage 1) (Diesel) 0- 1.5 mph stepless (creeper speed + transmission stage 1) (Electric) 0- 3.1 mph stepless (transmission stage 1) 0- 7.5 mph stepless (creeper speed + transmission stage 2) 0- 7.5 mph stepless (transmission stage 2, only for High Rise) 0-12.4 mph stepless (transmission stage 2, not for High Rise)
Driving operation	Automotive driving using accelerator pedal, cruise control function: storage of variable accelerator pedal positions
Axles	132,277 lb / 154,324 lb drive axles (LH 40 M / LH 50 M); manual or automatic hydraulically controlled front axle oscillation lock
Option	Four wheel steering (LH 40 M)
Option	Steering reversal control (LH 40 M)
Service brake	Two circuit travel brake system with accumulator; wet and backlash-free disc brake
Holding brake	Wet multi-disc (spring applied, pressure released)
Stabilization	4 point outriggers
Option	Dozer blade, at the front, for 4 point outriggers (not for High Rise)
<b>Crawler</b>	
Versions	EW, SW, High Rise
Drive	Liebherr compact planetary reduction gear with Liebherr axial piston motor per side of undercarriage
Travel speed	
EW (LH 40)	0-2.7 mph stepless 0-1.9 mph stepless (creeper speed)
SW (LH 40)	0-2.4 mph stepless 0-1.5 mph stepless (creeper speed)
High Rise (LH 50)	0-2.3 mph stepless 0-1.4 mph stepless (creeper speed)
Brake	Functional brake valves on both sides
Holding brake	Wet multi-disc (spring applied, pressure released)
Track pads	Triple grouser, flat
Tracks	Sealed and greased

## Complete machine

<b>Lubrication</b>	Liebherr central lubrication system for uppercarriage and equipment, automatically
Mobile (Option)	Liebherr central lubrication system for undercarriage, automatically
<b>Steps system</b>	Safe and durable access system with anti-slip steps; main components hot-galvanized
<b>Noise emission</b>	
ISO 6396	70 dB(A) = L <sub>PA</sub> (inside cab)
2000/14/EC	103 dB(A) = L <sub>WA</sub> (surround noise)

# LH 40 M – Dimensions

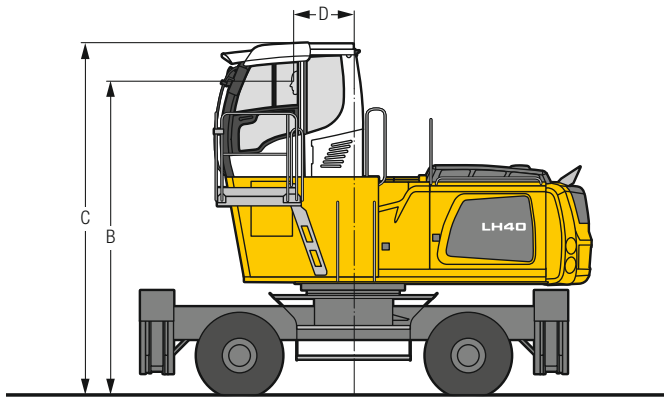
## Industry



\* For electric machines, the length of the machine is increased accordingly by the trailing cable / cable reel system. Detailed dimensions are available on request.

# LH 40 M – Choice of cab elevation

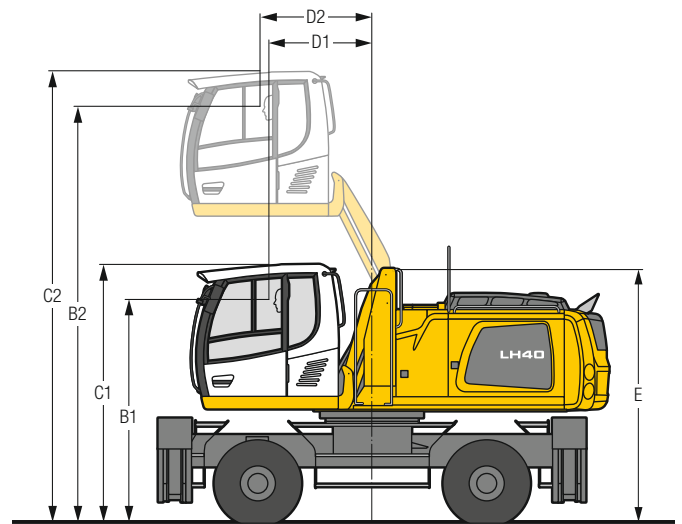
## Cab elevation LFC (rigid elevation)



Increase type	LFC 120
Height	3'11"
B	13' 7"
C	15' 3"
D	2' 7"

A rigid cab elevation has a fixed eye level height. For a lower transport height, the shell of the cab can be removed and replaced by a transport device. The dimension C is in this machine design for all rigid cab elevations 12'3".

## Cab elevation LHC (hydraulic elevation)



Increase type	LHC 255
B1	9' 8"
B2	18'
C1	11' 2"
C2	19' 6"
D1	4' 5"
D2	4'10"
E	11'

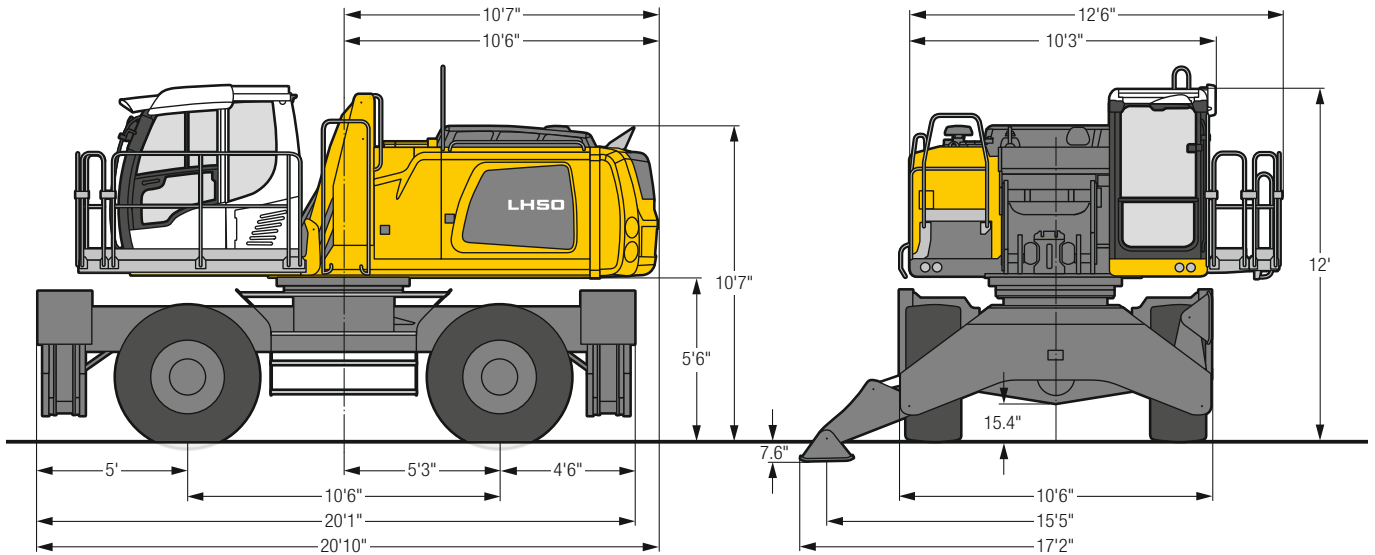
The hydraulically adjustable cab allows the driver, that he can choose his field of view freely and at any time within the stroke.

Tires 12.00-20



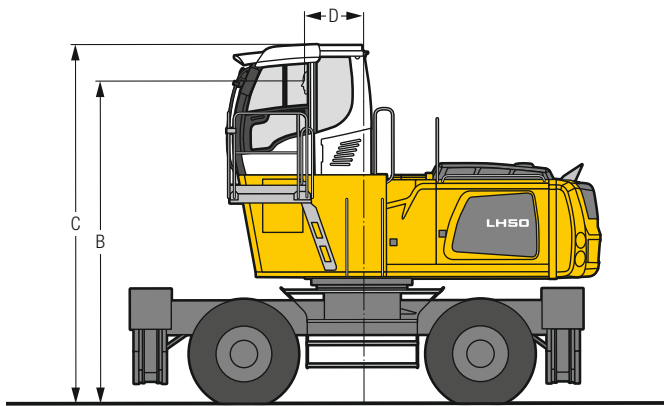
# LH 50 M – Dimensions

Industry



## LH 50 M – Choice of cab elevation

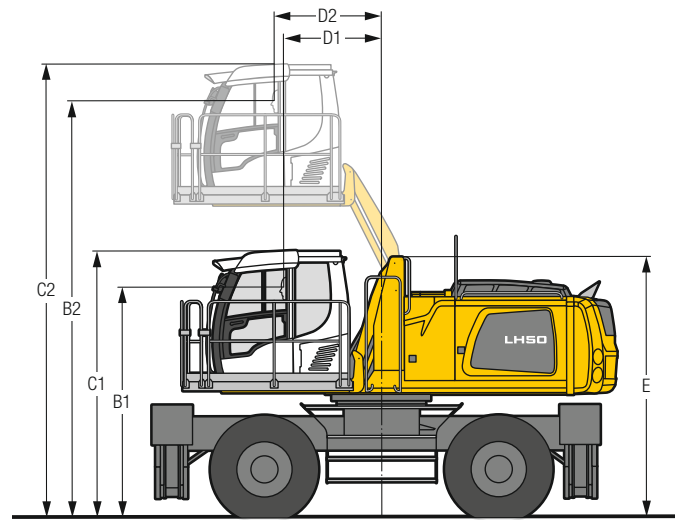
**Cab elevation LFC  
(rigid elevation)**



Increase type	LFC 120
Height	3'11"
B	14' 3"
C	15'11"
D	2' 7"

A rigid cab elevation has a fixed eye level height. For a lower transport height, the shell of the cab can be removed and replaced by a transport device. The dimension C is in this machine design for all rigid cab elevations 13'.

**Cab elevation LHC  
(hydraulic elevation)**



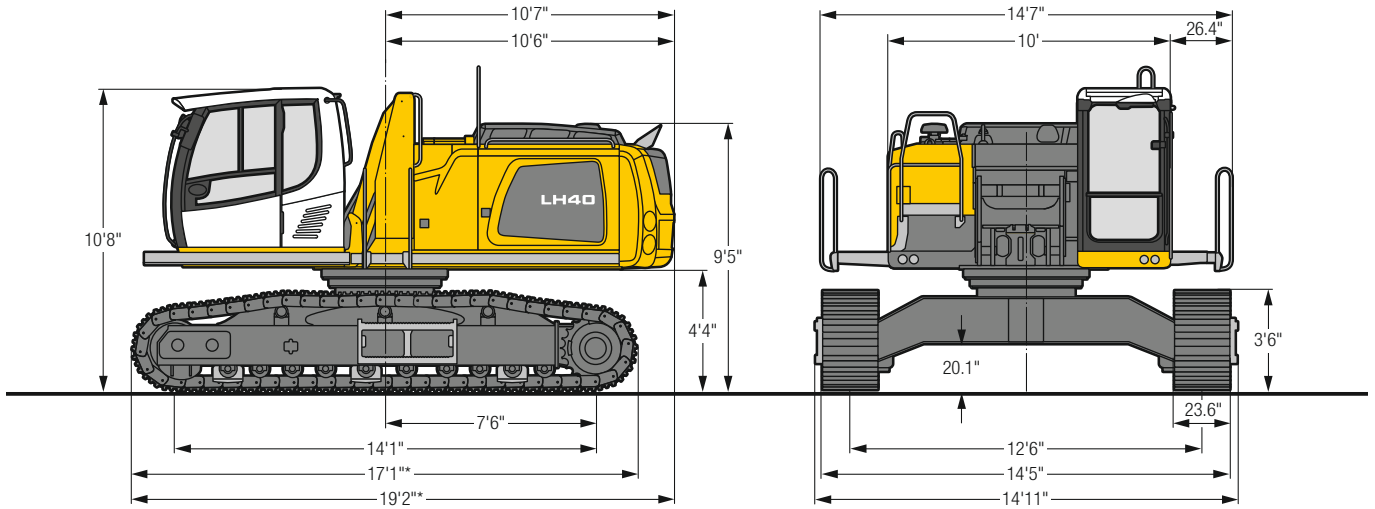
Increase type	LHC 255	LHC 340-35
B1	10' 4"	11' 6"
B2	18' 8"	22' 8"
C1	12'	13' 1"
C2	20' 4"	24' 4"
D1	4' 5"	8' 1"
D2	4'10"	8' 1"
E	11' 8"	12'11"

The hydraulically adjustable cab allows the driver, that he can choose his field of view freely and at any time within the stroke.

Tires 16.00-25

# LH 40 C – Dimensions

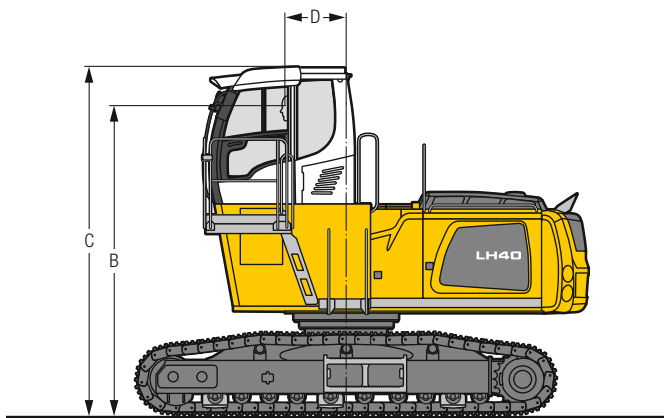
## Industry



\* For electric machines, the length of the machine is increased accordingly by the trailing cable / cable reel system. Detailed dimensions are available on request.

# LH 40 C – Choice of cab elevation

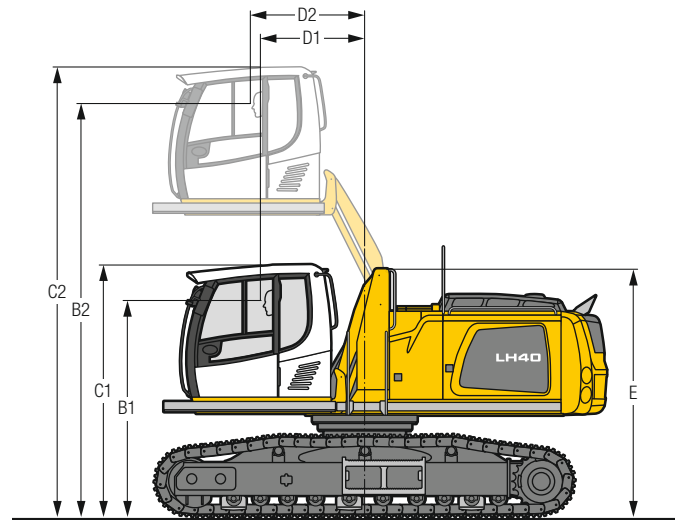
## Cab elevation LFC (rigid elevation)



Increase type	LFC 120
Height	3'11"
B	13' 1"
C	14' 8"
D	2' 7"

A rigid cab elevation has a fixed eye level height. For a lower transport height, the shell of the cab can be removed and replaced by a transport device. The dimension C is in this machine design for all rigid cab elevations 11'9".

## Cab elevation LHC (hydraulic elevation)



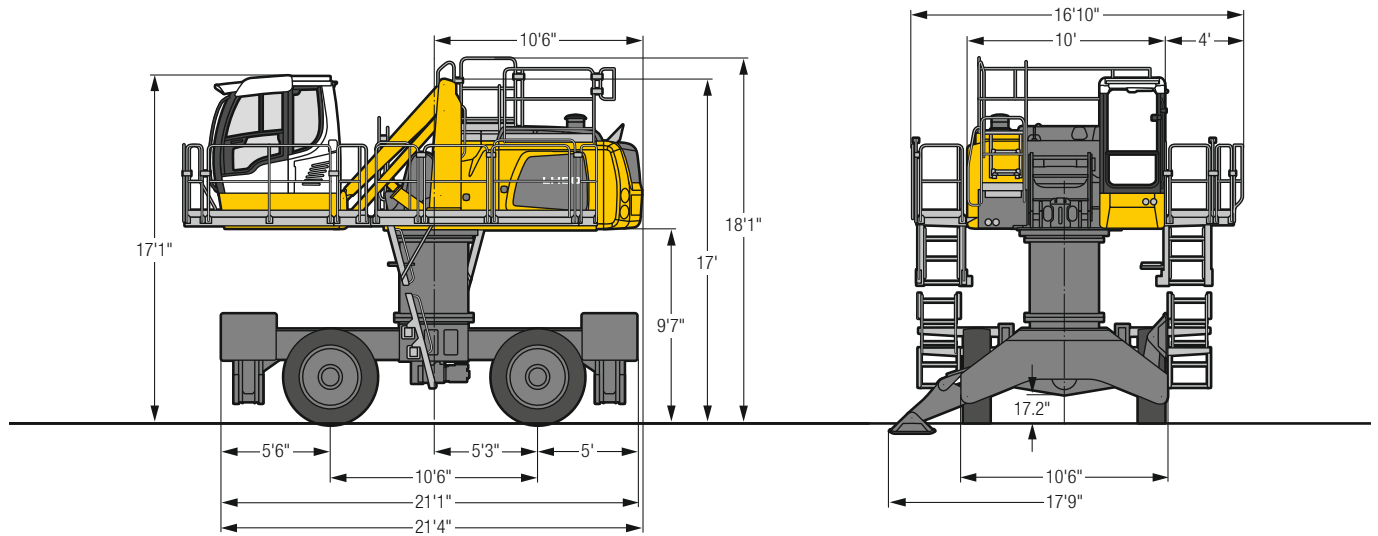
Increase type	LHC 255
B1	9' 1"
B2	17' 6"
C1	10' 8"
C2	19'
D1	4' 5"
D2	4'10"
E	10' 5"

The hydraulically adjustable cab allows the driver, that he can choose his field of view freely and at any time within the stroke.



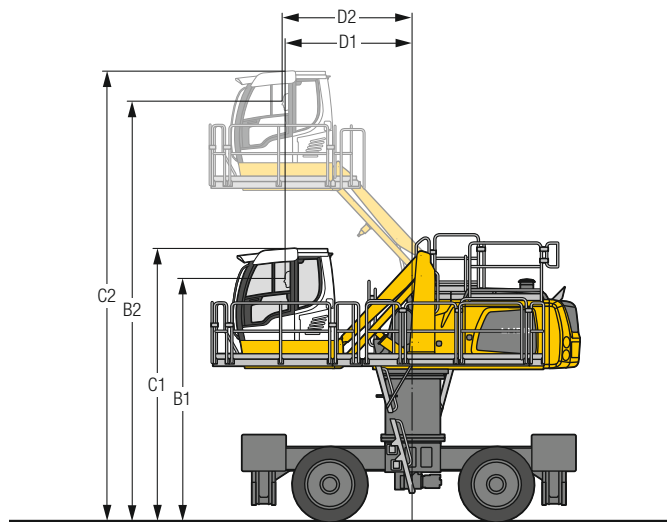
# LH 50 M HR – Dimensions

Industry



## LH 50 M HR – Cab elevation

Cab elevation LHC  
(hydraulic elevation)



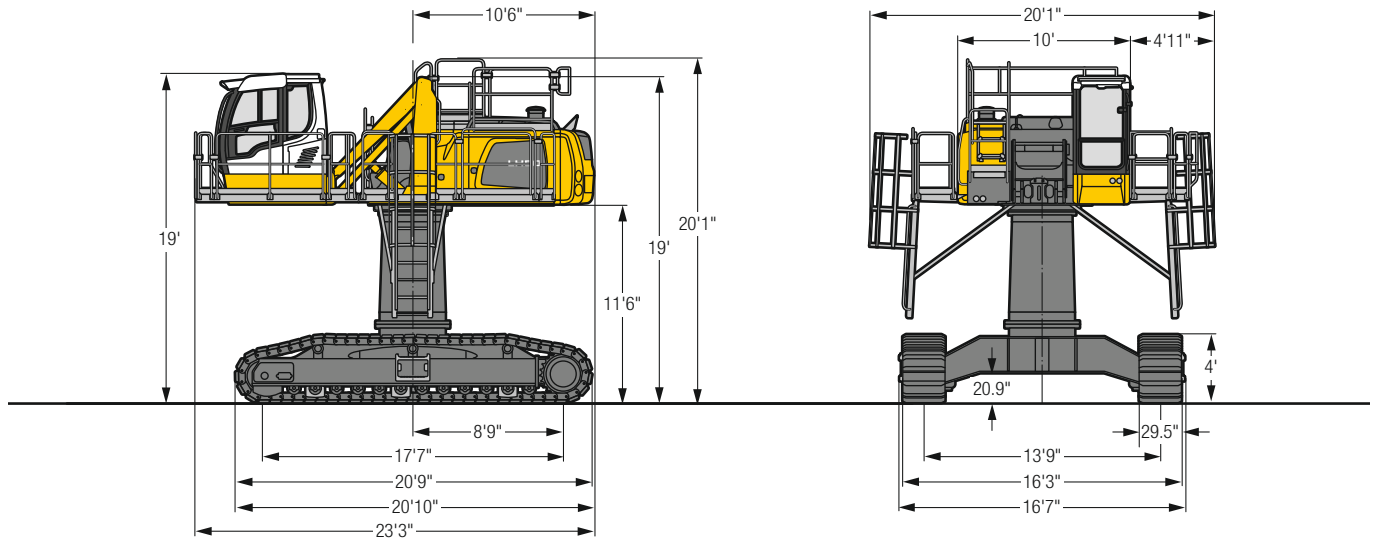
Increase type	LHC 340-35
B1	15'4"
B2	26'6"
C1	17'1"
C2	28'3"
D1	8'
D2	8'2"

The hydraulically adjustable cab allows the driver, that he can choose his field of view freely and at any time within the stroke.

Tires 16.00-25

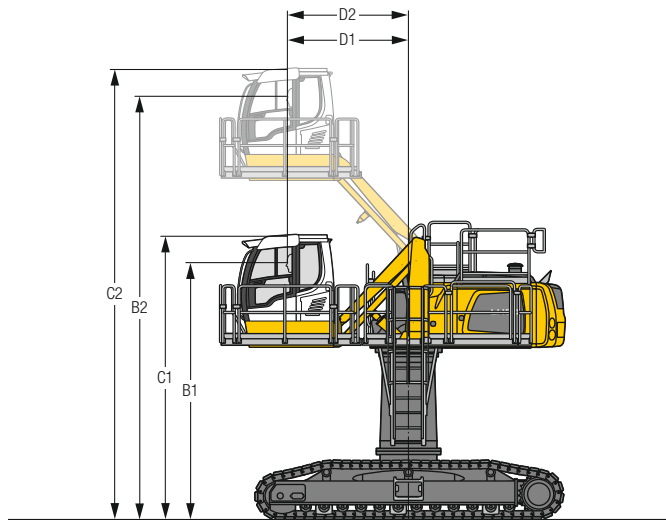
# LH 50 C HR – Dimensions

Industry



# LH 50 C HR – Cab elevation

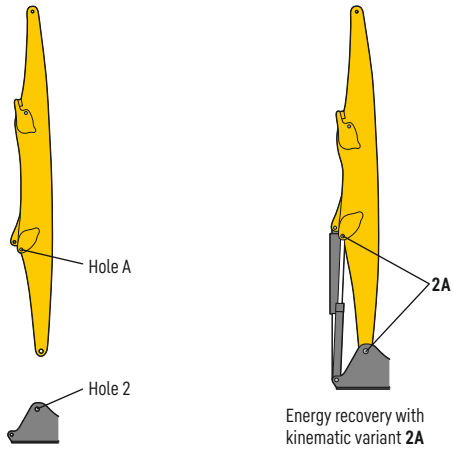
Cab elevation LHC  
(hydraulic elevation)



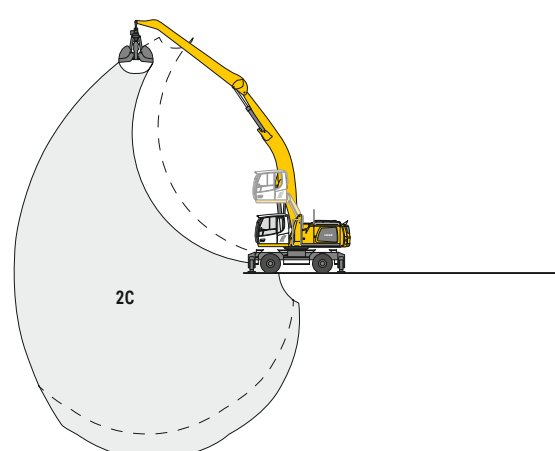
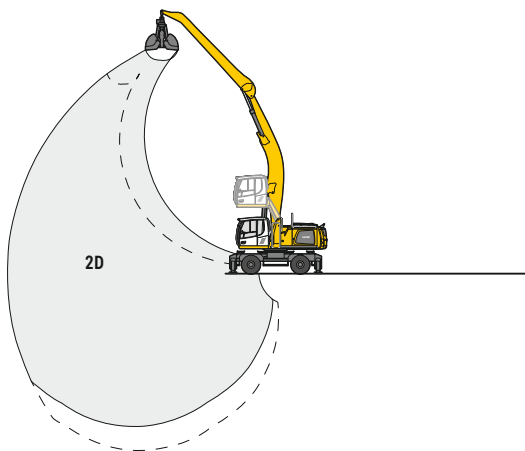
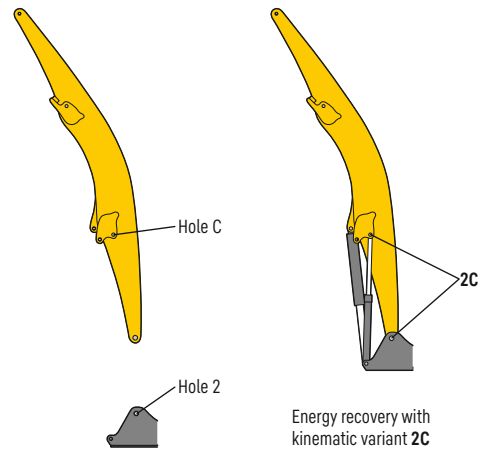
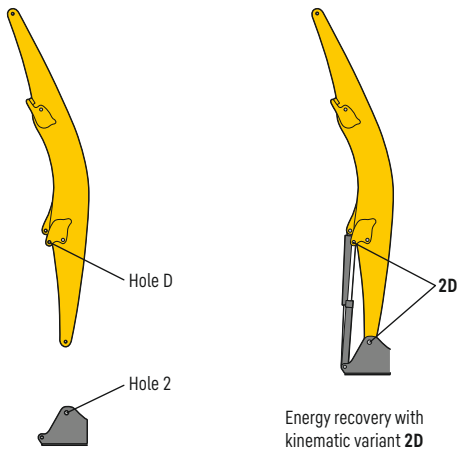
Increase type	LHC 340-35
B1	17'3"
B2	28'5"
C1	19'
C2	30'3"
D1	8'2"
D2	8'2"

The hydraulically adjustable cab allows the driver, that he can choose his field of view freely and at any time within the stroke.

## Kinematic variant 2A



## Kinematic variant 2D / 2C

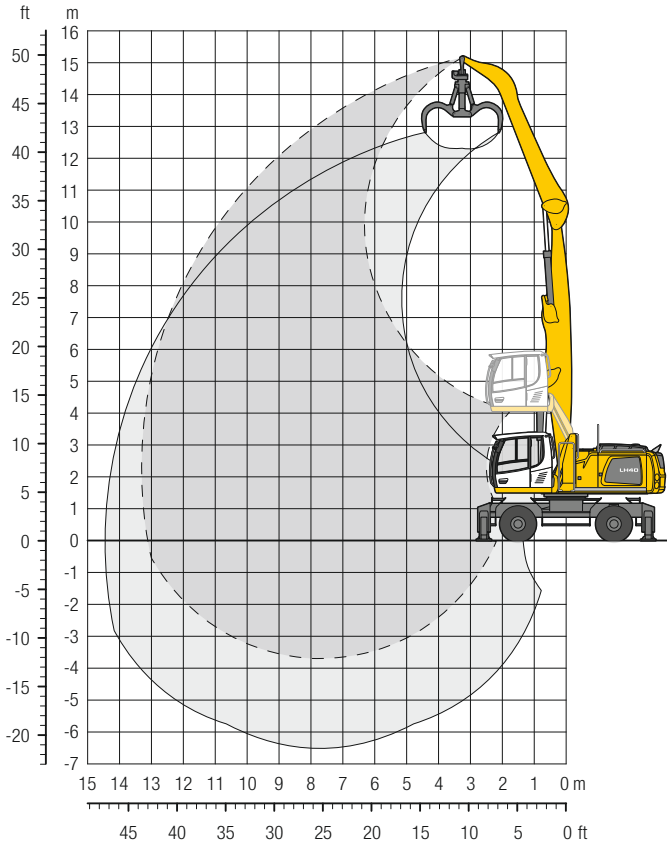


Altered range curve with additional reach depth, e.g. for unloading from ships

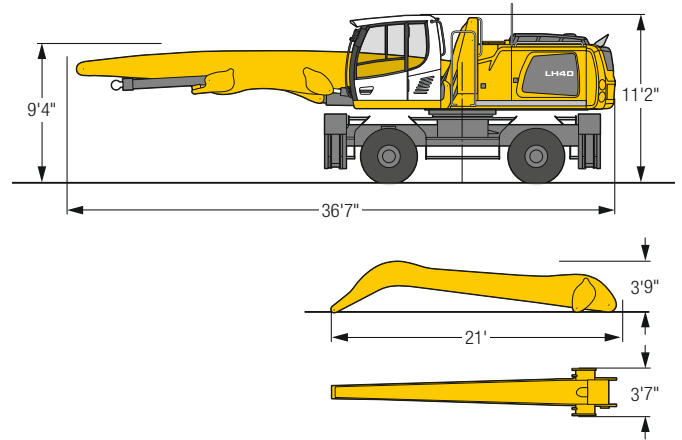


# LH 40 M – Equipment GA13

## Industry – Kinematic 2A



### Dimensions



### Operating weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 8 solid tires plus intermediate rings, straight boom 24'11", angled stick 19'8" and multi-tine grab GMM 50-5/1.18 yd<sup>3</sup> semi-closed tines.

Weight 84,200 lb

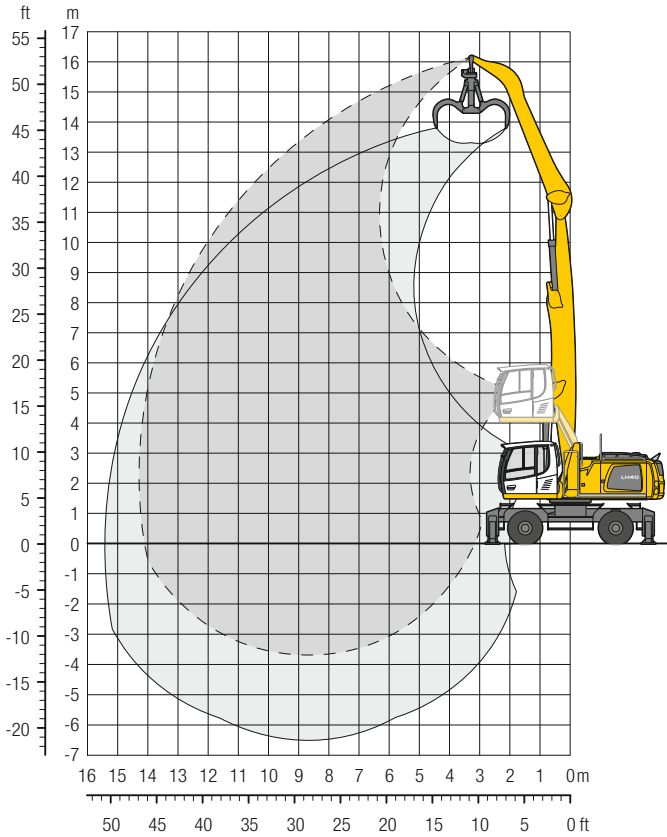
ft	Undercarriage	15ft		20ft		25ft		30ft		35ft		40ft		45ft		50ft		55ft		ft in		
		Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down			
50	Stabilizers raised																					
45	4 pt. outriggers down			18,3*	18,3*															15,3*	15,3*	
40	Stabilizers raised			18,3*	18,3*															15,3*	15,3*	
40	4 pt. outriggers down			20,5	21,5*	14,1	17,9													12,9*	12,9*	
35	Stabilizers raised			21,5*	21,5*	18,3*	18,3*	14,5	18,3*	10,5	13,4									8,1	10,6	
35	4 pt. outriggers down					18,3*	18,3*	18,3*	18,3*	16,5*	16,5*									8,1	10,6	
30	Stabilizers raised					14,5	18,2*	10,5	13,5	7,9	10,2									6,8	8,9	
30	4 pt. outriggers down					18,2*	18,2*	16,3*	16,3*	14,9*	14,9*									11,7*	11,7*	
25	Stabilizers raised			20,3	21,4*	14,2	18,0	10,4	13,3	7,8	10,2	5,9	7,9							5,9	7,9	
25	4 pt. outriggers down			21,4*	21,4*	18,6*	18,6*	16,5*	16,5*	14,9*	14,9*	10,8*	10,8*							10,7*	10,7*	
20	Stabilizers raised			19,4	22,6*	13,6	17,4	10,0	12,9	7,6	10,0	5,9	7,9							5,3	7,2	
20	4 pt. outriggers down			22,6*	22,6*	19,3*	19,3*	16,9*	16,9*	15,0*	15,0*	12,4	13,4*							10,6*	10,6*	
15	Stabilizers raised	28,1	31,0*	18,0	23,4	12,7	16,5	9,5	12,4	7,3	9,7	5,8	7,7							5,0	6,7	
15	4 pt. outriggers down	31,0*	31,0*	24,4*	24,4*	20,2*	20,2*	17,4*	17,4*	15,2*	15,2*	12,3	13,4*							10,6*	10,6*	
10	Stabilizers raised	24,7	33,5	16,3	21,6	11,8	15,5	9,0	11,8	7,0	9,3	5,6	7,5							4,8	6,5	
10	4 pt. outriggers down	34,9*	34,9*	26,3*	26,3*	21,2*	21,2*	17,9*	17,9*	14,8	15,4*	12,1	13,2*							10,6	10,8*	
5	Stabilizers raised	21,5	30,1	14,7	19,9	10,9	14,6	8,4	11,2	6,7	9,0	5,4	7,3							4,7	6,4	
5	4 pt. outriggers down	37,5*	37,5*	27,6*	27,6*	21,9*	21,9*	18,1	18,1*	14,5	15,3*	11,9	12,9*							10,5	10,6*	
0	Stabilizers raised	19,6	22,0*	13,5	18,6	10,1	13,8	7,9	10,7	6,4	8,7	5,2	7,2							4,7	6,5	
0	4 pt. outriggers down	22,0*	22,0*	27,7*	27,7*	21,9*	21,9*	17,6	17,9*	14,1	14,8*	11,7	12,0*							9,6*	9,6*	
-5	Stabilizers raised	18,8	20,6*	12,9	17,9	9,6	13,3	7,6	10,4	6,2	8,5	5,2	7,1							5,1	7,0	
-5	4 pt. outriggers down	20,6*	20,6*	26,1*	26,1*	20,8*	20,8*	16,8*	16,8*	13,6*	13,6*	10,1*	10,1*							9,7*	9,7*	
-10	Stabilizers raised			12,6	17,6	9,4	13,0	7,5	10,3												6,3	8,7
-10	4 pt. outriggers down			22,3*	22,3*	18,1*	18,1*	14,5*	14,5*												11,7*	11,7*

Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

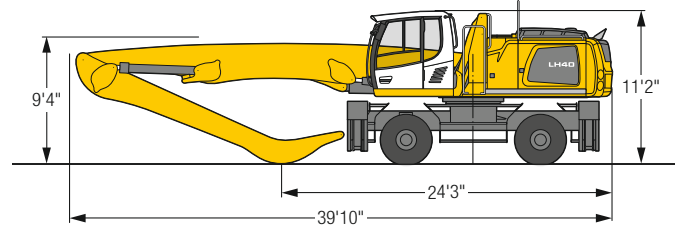
The lift capacities on the stick end without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (+15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature. This operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. The lift capacity of the unit is limited by its stability, the lifting capability of the hydraulic elements, or the maximum permissible lifting capacity of the load hook.

# LH 40 M – Equipment GA14

## Industry – Kinematic 2A



### Dimensions



### Operating weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 8 solid tires plus intermediate rings, straight boom 28'3", angled stick 19'8" and multi-tine grab GMM 50-5/1.18yd<sup>3</sup> semi-closed tines.

Weight 84,900 lb

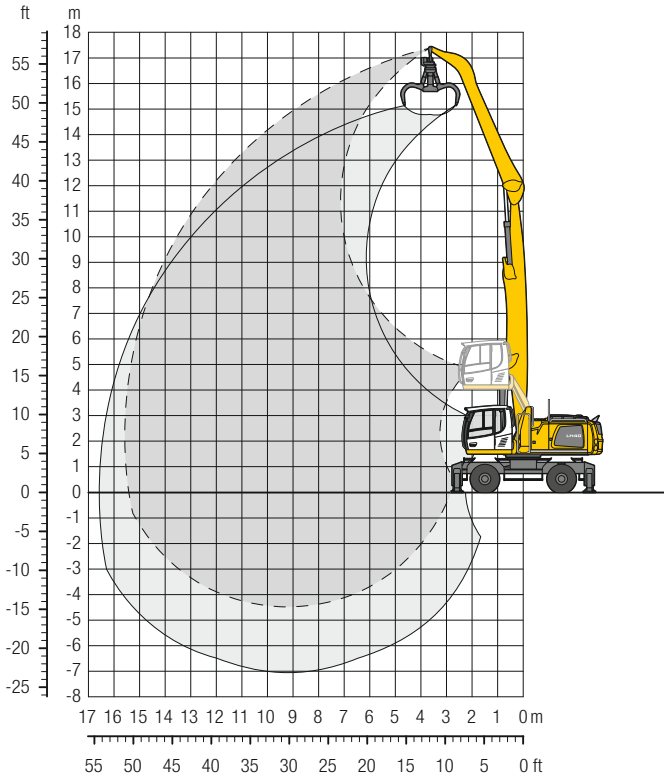
ft	Undercarriage	15ft		20ft		25ft		30ft		35ft		40ft		45ft		50ft		55ft		ft in		
		Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	ft in
50	Stabilizers raised	21.6*	21.6*																	17.0*	17.0*	19' 6"
	4 pt. outriggers down	21.6*	21.6*																	17.0*	17.0*	
45	Stabilizers raised			20.2	21.1*	13.8	17.5*													11.1	13.6*	28'
	4 pt. outriggers down			21.1*	21.1*	17.5*	17.5*													13.6*	13.6*	
40	Stabilizers raised					14.4	18.0*	10.3	13.3											8.0	10.5	33' 8"
	4 pt. outriggers down					18.0*	18.0*	16.0*	16.0*											12.2*	12.2*	
35	Stabilizers raised					14.5	17.8*	10.5	13.5	7.8	10.1									6.4	8.5	38'
	4 pt. outriggers down					17.8*	17.8*	15.7*	15.7*	14.2*	14.2*									11.4*	11.4*	
30	Stabilizers raised			20.6	21.0*	14.3	17.9*	10.4	13.3	7.8	10.1	5.8	7.8							5.4	7.3	41' 1"
	4 pt. outriggers down			21.0*	21.0*	17.9*	17.9*	15.7*	15.7*	14.1*	14.1*	12.4	12.7*							10.9*	10.9*	
25	Stabilizers raised			19.8	21.8*	13.7	17.6	10.1	13.0	7.6	10.0	5.8	7.8							4.8	6.5	43' 6"
	4 pt. outriggers down			21.8*	21.8*	18.4*	18.4*	16.0*	16.0*	14.2*	14.2*	12.4	12.7*							10.6	10.7*	
20	Stabilizers raised	28.0*	28.0*	18.4	23.1*	12.9	16.8	9.6	12.5	7.3	9.6	5.7	7.6	4.4	6.0					4.3	6.0	45' 2"
	4 pt. outriggers down	28.0*	28.0*	23.1*	23.1*	19.1*	19.1*	16.4*	16.4*	14.4*	14.4*	12.2	12.7*	9.9	11.1*					9.9	10.6*	
15	Stabilizers raised	25.6	32.5*	16.7	22.0	11.9	15.7	8.9	11.8	6.9	9.2	5.4	7.4	4.3	6.0					4.0	5.6	46' 4"
	4 pt. outriggers down	32.5*	32.5*	24.6*	24.6*	20.0*	20.0*	16.9*	16.9*	14.6*	14.6*	12.0	12.8*	9.9	11.0*					9.4	10.5*	
10	Stabilizers raised	21.6	30.2	14.7	19.9	10.8	14.5	8.2	11.1	6.5	8.8	5.2	7.1	4.1	5.8					3.8	5.4	46' 10"
	4 pt. outriggers down	35.4*	35.4*	26.1*	26.1*	20.7*	20.7*	17.3*	17.3*	14.3	14.7*	11.7	12.7*	9.7	10.8*					9.1	9.8*	
5	Stabilizers raised	13.0*	13.0*	13.0	18.1	9.8	13.4	7.6	10.4	6.1	8.4	4.9	6.8	4.0	5.7					3.8	5.3	46' 10"
	4 pt. outriggers down	13.0*	13.0*	26.7*	26.7*	21.1*	21.1*	17.3	17.4*	13.8	14.6*	11.4	12.4*	9.6	10.2*					9.0	9.1*	
0	Stabilizers raised	11.5*	11.5*	11.9	17.0	9.0	12.6	7.1	9.9	5.7	8.0	4.7	6.6	3.9	5.6					3.8	5.4	46' 4"
	4 pt. outriggers down	11.5*	11.5*	26.0*	26.0*	20.7*	20.7*	16.7	17.0*	13.5	14.2*	11.2	11.8*	9.2*	9.2*					8.2*	8.2*	
-5	Stabilizers raised	13.1*	13.1*	11.4	16.4	8.6	12.1	6.8	9.6	5.5	7.8	4.6	6.5							4.1	5.8	43' 8"
	4 pt. outriggers down	13.1*	13.1*	23.6*	23.6*	19.3*	19.3*	15.9*	15.9*	13.1*	13.1*	10.5*	10.5*							8.3*	8.3*	
-10	Stabilizers raised			11.2	16.2	8.4	11.9	6.6	9.4	5.4	7.7									5.0	7.0	37' 6"
	4 pt. outriggers down			19.6*	19.6*	16.6*	16.6*	13.8*	13.8*	11.1*	11.1*									9.8*	9.8*	

Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

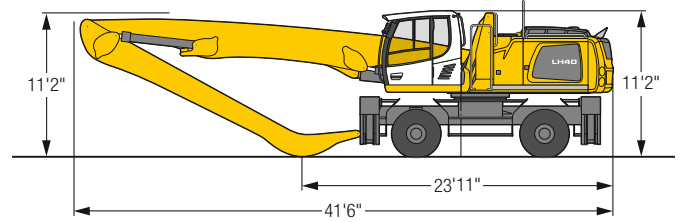
The lift capacities on the stick end without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (+15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature. This operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. The lift capacity of the unit is limited by its stability, the lifting capability of the hydraulic elements, or the maximum permissible lifting capacity of the load hook.

# LH 40 M – Equipment GA16

## Industry – Kinematic 2A



### Dimensions



### Operating weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 8 solid tires plus intermediate rings, straight boom 29'10", angled stick 22'4" and multi-tine grab GM 65 / 0.78 yd<sup>3</sup> semi-closed tines.

Weight 84,900 lb

ft	Undercarriage	15ft		20ft		25ft		30ft		35ft		40ft		45ft		50ft		55ft		ft in		
		Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	ft in
55	Stabilizers raised			19.5*	19.5*															16.3*	16.3*	18' 4"
55	4 pt. outriggers down			19.5*	19.5*															16.3*	16.3*	18' 4"
50	Stabilizers raised					18.9*	18.9*	14.1	15.9*											11.1	12.6*	28' 2"
50	4 pt. outriggers down					18.9*	18.9*	15.9*	15.9*											12.6*	12.6*	28' 2"
45	Stabilizers raised							14.8	17.3*	10.6	13.6									7.7	10.1	34' 7"
45	4 pt. outriggers down							17.3*	17.3*	15.2*	15.2*									11.0*	11.0*	34' 7"
40	Stabilizers raised							15.2	16.9*	10.9	13.9	8.0	10.4							6.0	8.0	39' 5"
40	4 pt. outriggers down							16.9*	16.9*	14.9*	14.9*	13.4*	13.4*							10.1*	10.1*	39' 5"
35	Stabilizers raised							15.1	16.9*	11.0	14.0	8.1	10.5	6.0	8.0					4.9	6.7	43'
35	4 pt. outriggers down							16.9*	16.9*	14.8*	14.8*	13.2*	13.2*	12.0*	12.0*					9.6*	9.6*	43'
30	Stabilizers raised							14.8	17.1*	10.7	13.7	8.0	10.4	6.0	8.0	4.5	6.2			4.2	5.9	45'11"
30	4 pt. outriggers down							17.1*	17.1*	14.9*	14.9*	13.3*	13.3*	12.0*	12.0*	10.1	10.8*			9.3*	9.3*	45'11"
25	Stabilizers raised					20.5	20.9*	14.1	17.6*	10.3	13.3	7.7	10.1	5.9	7.9	4.5	6.2			3.7	5.3	48'
25	4 pt. outriggers down					20.9*	20.9*	17.6*	17.6*	15.2*	15.2*	13.4*	13.4*	12.0*	12.0*	10.1	10.8*			8.9	9.1*	48'
20	Stabilizers raised					19.0	22.1*	13.2	17.1	9.7	12.6	7.3	9.7	5.6	7.6	4.3	6.0			3.4	4.9	49' 6"
20	4 pt. outriggers down					22.1*	22.1*	18.3*	18.3*	15.6*	15.6*	13.7*	13.7*	12.1*	12.1*	10.0	10.8*			8.3	9.1*	49' 6"
15	Stabilizers raised			26.3	31.2*	16.9	22.4	12.0	15.8	8.9	11.8	6.8	9.2	5.3	7.3	4.1	5.8	3.2	4.7	3.1	4.6	50' 6"
15	4 pt. outriggers down			31.2*	31.2*	23.6*	23.6*	19.1*	19.1*	16.1*	16.1*	13.9*	13.9*	11.9	12.2*	9.8	10.7*			8.1	9.2*	50' 6"
10	Stabilizers raised			21.7	30.3	14.7	19.9	10.7	14.4	8.1	11.0	6.3	8.6	5.0	6.9	3.9	5.6			3.1	4.6	51'
10	4 pt. outriggers down			34.0*	34.0*	25.0*	25.0*	19.9*	19.9*	16.5*	16.5*	14.1*	14.1*	11.5	12.2*	9.5	10.6*			8.0	8.9*	51'
5	Stabilizers raised			11.9*	11.9*	12.6	17.7	9.4	13.1	7.3	10.1	5.8	8.1	4.6	6.5	3.7	5.4			3.0	4.5	51'
5	4 pt. outriggers down			11.9*	11.9*	25.8*	25.8*	20.3*	20.3*	16.7*	16.7*	13.6	14.1*	11.1	12.1*	9.3	10.3*			7.9	8.4*	51'
0	Stabilizers raised			9.7*	9.7*	11.2	16.2	8.5	12.1	6.7	9.5	5.3	7.6	4.3	6.2	3.5	5.2			2.9	4.4	50' 6"
0	4 pt. outriggers down			9.7*	9.7*	25.3*	25.3*	20.1*	20.1*	16.3	16.5*	13.1	13.8*	10.8	11.7*	9.1	9.8*			7.0*	7.0*	50' 6"
-5	Stabilizers raised			10.8*	10.8*	10.4	15.4	7.9	11.4	6.2	9.0	5.0	7.3	4.1	6.0	3.4	5.1			3.0	4.6	48' 8"
-5	4 pt. outriggers down			10.8*	10.8*	22.4*	22.4*	19.0*	19.0*	15.7*	15.7*	12.7	13.1*	10.6	10.9*	8.8*	8.8*			6.8*	6.8*	48' 8"
-10	Stabilizers raised					10.1	15.0	7.5	11.1	5.9	8.7	4.8	7.1	4.0	5.9					3.5	5.2	44'
-10	4 pt. outriggers down					20.2*	20.2*	16.9*	16.9*	14.1*	14.1*	11.7*	11.7*	9.5*	9.5*					7.6*	7.6*	44'
-15	Stabilizers raised																					
-15	4 pt. outriggers down																					

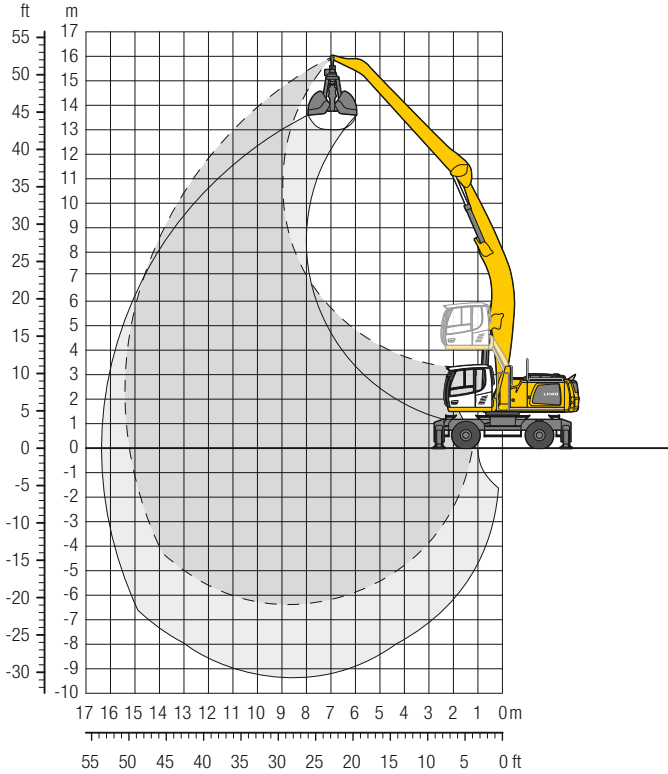
Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

The lift capacities on the stick end without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (+15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature. This operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. The lift capacity of the unit is limited by its stability, the lifting capability of the hydraulic elements, or the maximum permissible lifting capacity of the load hook.

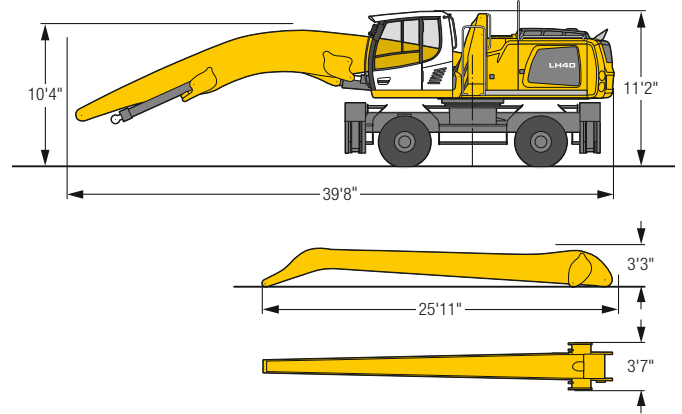


# LH 40 M – Equipment AF15

## Industry – Kinematic 2D



### Dimensions



### Operating weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 8 solid tires plus intermediate rings, angled boom 28'3", flat angled stick 24'7" and grab for loose material GMZ 40 / 1.96 yd<sup>3</sup>.

Weight 86,100 lb

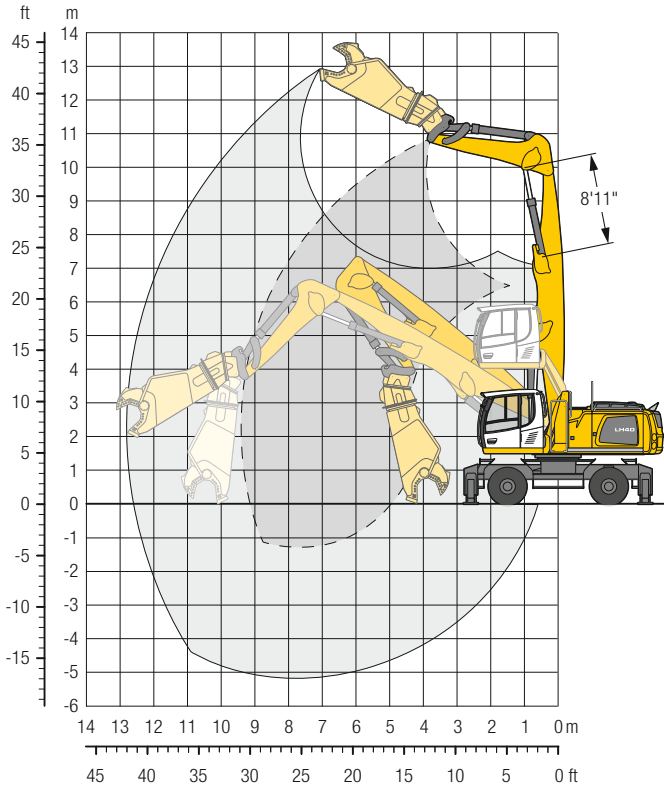
ft	Undercarriage	15ft		20ft		25ft		30ft		35ft		40ft		45ft		50ft		55ft		ft in		
		Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	
50						12.3*	12.3*													10.7*	10.7*	26'11"
45						12.3*	12.3*	11.4	12.5*											9.0	9.4*	33' 7"
40								11.8	12.6*	8.7	11.1									6.9	8.8*	38' 6"
35								11.9	12.5*	11.9	12.5*	8.8	11.2	6.5	8.5					8.8*	8.8*	42' 2"
30								11.7	12.6*	11.7	12.6*	8.7	11.2	6.6	8.6	4.8	6.6			8.4*	8.4*	45' 1"
25								11.3	12.9*	11.3	12.9*	8.5	10.9	6.4	8.4	4.8	6.6			8.2*	8.2*	47' 4"
20								12.9*	12.9*	12.9*	12.9*	11.7*	11.7*	10.7*	10.7*	9.9*	9.9*			4.2	5.8	48'10"
15						14.7	15.2*	10.7	13.4*	10.7	13.4*	8.1	10.5	6.2	8.2	4.7	6.4			8.1*	8.1*	49'11"
10						15.2*	15.2*	13.4*	13.4*	12.0*	12.0*	10.9*	10.9*	10.0*	10.0*	10.0*	10.0*			3.8	5.3	50' 5"
5						19.5	19.5*	13.5	16.3*	10.0	12.9	7.5	9.9	5.8	7.8	4.5	6.2			8.1*	8.1*	50' 4"
0						16.3*	16.3*	14.1*	14.1*	12.4*	12.4*	11.1*	11.1*	10.1*	10.1*	10.1*	10.1*			3.4	4.9	49'10"
-5		26.3	28.4*	17.1	21.5*	12.1	16.0	9.1	12.0	6.9	9.3	5.4	7.4	4.2	5.9	3.3	4.8			8.3*	8.3*	48'10"
-10		28.4*	28.4*	21.5*	21.5*	17.4*	17.4*	14.8*	14.8*	12.8*	12.8*	11.4*	11.4*	9.9	10.2*	8.2	9.1*			3.2	4.7	47' 2"
-15		21.6	30.3	14.7	20.0	10.7	14.5	8.1	11.0	6.3	8.7	5.0	7.0	4.0	5.7	3.1	4.6			8.1*	8.5*	44' 5"
-20		31.7*	31.7*	23.3*	23.3*	18.5*	18.5*	15.4*	15.4*	13.2*	13.2*	11.6*	11.6*	9.6	10.2*	8.1	8.9*			3.1	4.6	35' 1"
		18.1	20.7*	12.7	17.8	9.5	13.2	7.3	10.2	5.8	8.1	4.6	6.6	3.7	5.4					8.0	8.8*	
		16.3	16.9*	11.3	16.4	8.5	12.2	6.7	9.5	5.3	7.6	4.3	6.3	3.5	5.2					3.0	4.5	
		16.9*	16.9*	24.7*	24.7*	19.2*	19.2*	15.8*	15.8*	13.5*	13.5*	11.2	11.7*	9.3	10.1*					8.0	8.6*	
		15.4	16.8*	10.5	15.5	7.9	11.5	6.2	9.0	5.0	7.3	4.1	6.0	3.4	5.1					3.1	4.6	
		16.8*	16.8*	23.8*	23.8*	19.0*	19.0*	15.6*	15.6*	12.8	13.0*	10.6	11.0*	9.0*	9.0*					8.1	8.3*	
		15.2	17.8*	10.2	15.2	7.6	11.2	5.9	8.7	4.8	7.1	4.0	5.9							3.2	4.8	
		17.8*	17.8*	21.7*	21.7*	17.6*	17.6*	14.5*	14.5*	12.0*	12.0*	9.8*	9.8*							7.9*	7.9*	
						7.5	11.1	5.9	8.7	4.8	7.1									3.5	5.2	
						15.1*	15.1*	12.4*	12.4*	10.1*	10.1*									7.7*	7.7*	
																				4.8	7.1	
																				10.0*	10.0*	

Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

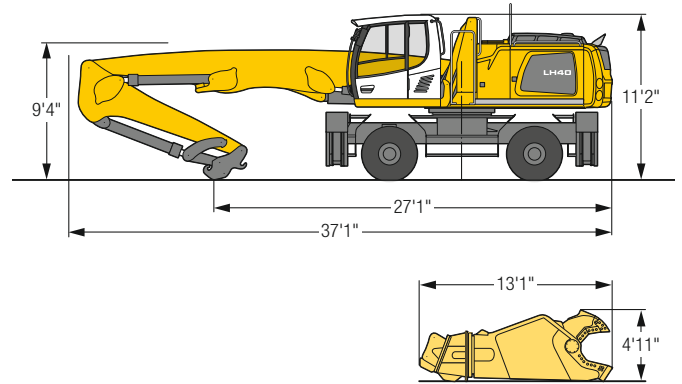
The lift capacities on the stick end without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (+15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature. This operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. The lift capacity of the unit is limited by its stability, the lifting capability of the hydraulic elements, or the maximum permissible lifting capacity of the load hook.

# LH 40 M – Equipment GS11

## Industry – Kinematic 2A



### Dimensions



### Operating weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 8 solid tires plus intermediate rings, straight boom 24'11", stick HD with tipping kinematics special 11'10", quick coupler SWA 66 and scrap shear Genesis GTX 445R.

Weight 95,000 lb

The stick cylinder must be limited to the measure of 8'11".

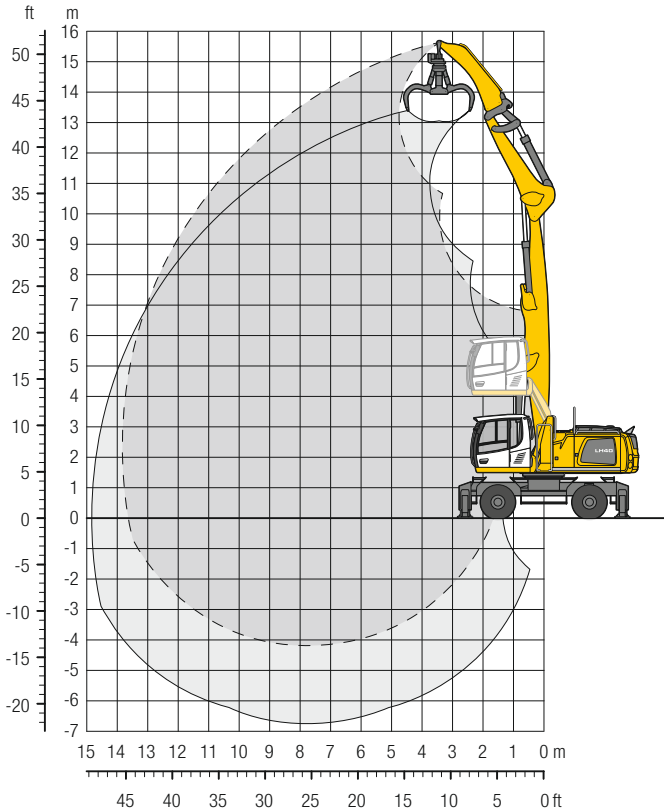
ft	Undercarriage	15ft		20ft		25ft		30ft		35ft		40ft		45ft		50ft		55ft		ft in		
		Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	
45	Stabilizers raised																					
45	4 pt. outriggers down																					
40	Stabilizers raised					8,8*	8,8*													7,4	8,1*	26' 5"
40	4 pt. outriggers down					8,8*	8,8*													8,1*	8,1*	
35	Stabilizers raised							4,3	6,3*											3,1	5,7*	31' 7"
35	4 pt. outriggers down							6,3*	6,3*											5,7*	5,7*	
30	Stabilizers raised							4,3	6,2*	0,9	3,4									0,7	3,2	35' 5"
30	4 pt. outriggers down							6,2*	6,2*	4,4*	4,4*									4,3*	4,3*	
25	Stabilizers raised					8,6*	8,6*	3,9	6,2*	0,7	3,2									-	1,4	38' 1"
25	4 pt. outriggers down					8,6*	8,6*	6,2*	6,2*	4,4*	4,4*									3,4*	3,4*	
20	Stabilizers raised					7,8	8,9*	3,2	6,3	0,2	2,7	-	0,2							-	0,2	40"
20	4 pt. outriggers down					8,9*	8,9*	6,4*	6,4*	4,4*	4,4*	2,8*	2,8*							2,8*	2,8*	
15	Stabilizers raised			8,8*	8,8*	6,3	9,3*	2,3	5,3	-	2,1	-	-							-	-	
15	4 pt. outriggers down			8,8*	8,8*	9,3*	9,3*	6,5*	6,5*	4,5*	4,5*	2,7*	2,7*							2,3*	2,3*	41' 4"
10	Stabilizers raised	6,3*	6,3*	10,0	14,0*	4,5	8,4	1,1	4,1	-	1,3	-	-							-	-	
10	4 pt. outriggers down	6,3*	6,3*	14,0*	14,0*	9,6*	9,6*	6,7*	6,7*	4,4*	4,4*	2,6*	2,6*							1,9*	1,9*	41'11"
5	Stabilizers raised	13,9	22,4*	6,6	12,0	2,5	6,3	-	2,9	-	0,5	-	-							-	-	
5	4 pt. outriggers down	22,4*	22,4*	14,5*	14,5*	9,8*	9,8*	6,6*	6,6*	4,2*	4,2*	2,3*	2,3*							1,6*	1,6*	41'10"
0	Stabilizers raised	8,5	16,8	3,7	8,9	0,8	4,5	-	1,7	-	-	-	-							-	-	
0	4 pt. outriggers down	18,9*	18,9*	14,3*	14,3*	9,5*	9,5*	6,2*	6,2*	3,8*	3,8*	1,7*	1,7*							1,2*	1,2*	41' 2"
-5	Stabilizers raised	5,3	10,0*	1,6	6,7	-	3,1	-	0,8	-	-	-	-							-	-	
-5	4 pt. outriggers down	10,0*	10,0*	13,0*	13,0*	8,6*	8,6*	5,4*	5,4*	2,9*	2,9*	-	-							0,6*	0,6*	40"
-10	Stabilizers raised	3,8	10,6*	0,5	5,4	-	2,2	-	0,2	-	-	-	-							-	-	
-10	4 pt. outriggers down	10,6*	10,6*	10,4*	10,4*	6,7*	6,7*	3,8*	3,8*	1,3*	1,3*	-	-							-	-	38"
-15	Stabilizers raised	-	-	-	4,9	-	1,8	-	-	-	-	-	-							-	-	
-15	4 pt. outriggers down	-	-	6,1*	6,1*	3,5*	3,5*	1,1*	1,1*	-	-	-	-							-	-	34' 4"

Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

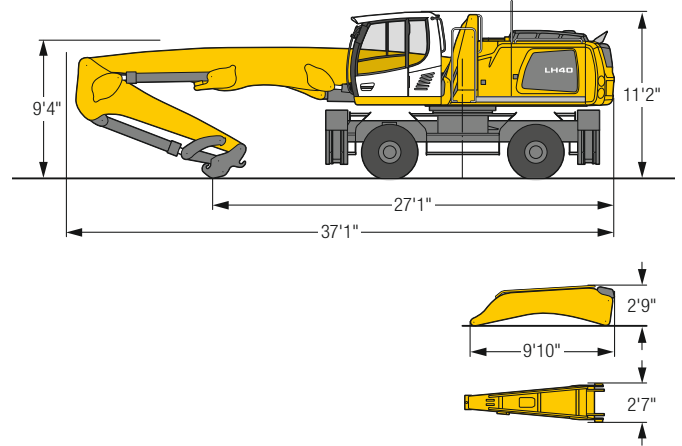
The lift capacities on the stick end without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (-15") are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature. The values are calculated for the static state of the energy recovery cylinder. The maximum lift capacity for the quick coupler's load hook is 26,500 lb. Without attachment the lift capacity will increase by 11,023 lb and without quick coupler, tipping cylinder, lever and connection link by an additional 3,115 lb. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. The lift capacity of the unit is limited by its stability, the lifting capability of the hydraulic elements, or the maximum permissible lifting capacity of the load hook.

# LH 40 M – Equipment GSV14

## Industry – Kinematic 2A



### Dimensions



### Operating weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 8 solid tires plus intermediate rings, straight boom 24'11", stick HD with tipping kinematics special 1'10", quick coupler SWA 66, stick extension 8'10" and multi-tine grab GM 65 / 0.78yd<sup>3</sup> semi-closed tines.

Weight 88,600 lb

ft	Undercarriage	15ft		20ft		25ft		30ft		35ft		40ft		45ft		50ft		55ft		ft in		
		Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down			
50	Stabilizers raised	17.3*	17.3*																	17.1*	17.1*	15' 1"
50	4 pt. outriggers down	17.3*	17.3*																	17.1*	17.1*	15' 1"
45	Stabilizers raised			17.4*	17.4*	11.9	12.3*													11.6	12.0*	25' 2"
45	4 pt. outriggers down			17.4*	17.4*	12.3*	12.3*													12.0*	12.0*	25' 2"
40	Stabilizers raised					13.0	16.1*	8.4	11.4											7.3	10.1*	31' 6"
40	4 pt. outriggers down					16.1*	16.1*	12.3*	12.3*											10.1*	10.1*	31' 6"
35	Stabilizers raised					13.4	15.6*	8.9	11.9	5.7	8.1									5.2	7.5	35' 11"
35	4 pt. outriggers down					15.6*	15.6*	13.6*	13.6*	10.8*	10.8*									9.0*	9.0*	35' 11"
30	Stabilizers raised					13.3	15.4*	8.9	11.9	5.9	8.3									3.9	6.0	39' 4"
30	4 pt. outriggers down					15.4*	15.4*	13.4*	13.4*	11.8*	11.8*									8.4*	8.4*	39' 4"
25	Stabilizers raised					12.8	15.6*	8.6	11.6	5.8	8.2	3.7	5.7							3.1	5.0	41' 10"
25	4 pt. outriggers down					15.6*	15.6*	13.4*	13.4*	11.7*	11.7*	10.3*	10.3*							8.1*	8.1*	41' 10"
20	Stabilizers raised			18.3	19.4*	11.9	15.8	8.0	11.0	5.4	7.8	3.6	5.6							2.5	4.3	43' 6"
20	4 pt. outriggers down			19.4*	19.4*	16.0*	16.0*	13.6*	13.6*	11.8*	11.8*	10.3*	10.3*							7.9*	7.9*	43' 6"
15	Stabilizers raised	23.2*	23.2*	16.3	20.6*	10.6	14.5	7.2	10.2	4.9	7.3	3.3	5.3							2.1	3.9	44' 8"
15	4 pt. outriggers down	23.2*	23.2*	20.6*	20.6*	16.7*	16.7*	13.9*	13.9*	11.9*	11.9*	10.0	10.2*							7.9	7.9*	44' 8"
10	Stabilizers raised	22.4	29.6*	13.8	19.2	9.2	13.0	6.3	9.3	4.4	6.7	3.0	5.0	1.9	3.6					1.9	3.6	45' 2"
10	4 pt. outriggers down	29.6*	29.6*	21.9*	21.9*	17.3*	17.3*	14.2*	14.2*	12.0*	12.0*	9.6	10.1*	7.6	7.9*					7.5	7.8*	45' 2"
5	Stabilizers raised	17.6	26.2	11.4	16.6	7.8	11.5	5.5	8.3	3.8	6.2	2.6	4.6	1.8	3.5					1.8	3.4	45' 2"
5	4 pt. outriggers down	31.6*	31.6*	22.9*	22.9*	17.8*	17.8*	14.4*	14.4*	11.7	11.9*	9.2	9.7*	7.2*	7.2*					7.0*	7.0*	45' 2"
0	Stabilizers raised	14.4	22.6	9.5	14.6	6.6	10.3	4.7	7.6	3.4	5.7	2.4	4.3							1.7	3.4	44' 7"
0	4 pt. outriggers down	25.0*	25.0*	22.9*	22.9*	17.7*	17.7*	14.1*	14.1*	11.2	11.4*	8.9	9.0*							6.0*	6.0*	44' 7"
-5	Stabilizers raised	12.8	20.4*	8.3	13.3	5.8	9.4	4.2	7.0	3.0	5.3	2.2	4.1							1.9	3.7	42' 6"
-5	4 pt. outriggers down	20.4*	20.4*	21.6*	21.6*	16.7*	16.7*	13.2*	13.2*	10.4*	10.4*	7.6*	7.6*							5.8*	5.8*	42' 6"
-10	Stabilizers raised	12.3	20.2	7.8	12.7	5.4	8.9	3.9	6.7	2.9	5.1									2.5	4.6	37' 5"
-10	4 pt. outriggers down	21.1*	21.1*	18.4*	18.4*	14.5*	14.5*	11.3*	11.3*	8.4*	8.4*									6.9*	6.9*	37' 5"

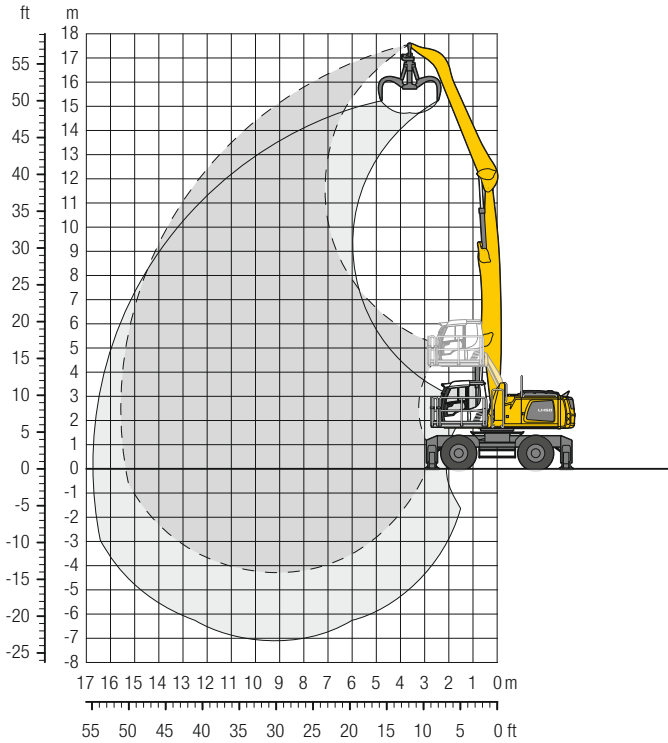
Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

The lift capacities on the end of the stick extension without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (± 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature. This operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. The lift capacity of the unit is limited by its stability, the lifting capability of the hydraulic elements, or the maximum permissible lifting capacity of the load hook.

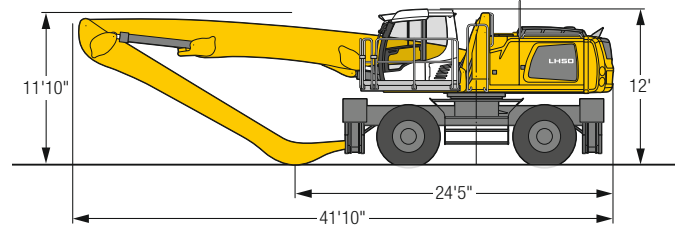


# LH 50 M – Equipment GA16

## Industry – Kinematic 2A



### Dimensions



### Operating weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 4 solid tires, straight boom 29'10", angled stick 22'4" and multi-tine grab GMM 50-5 / 1.44 yd<sup>3</sup> semi-closed tines.

Weight 97,000 lb

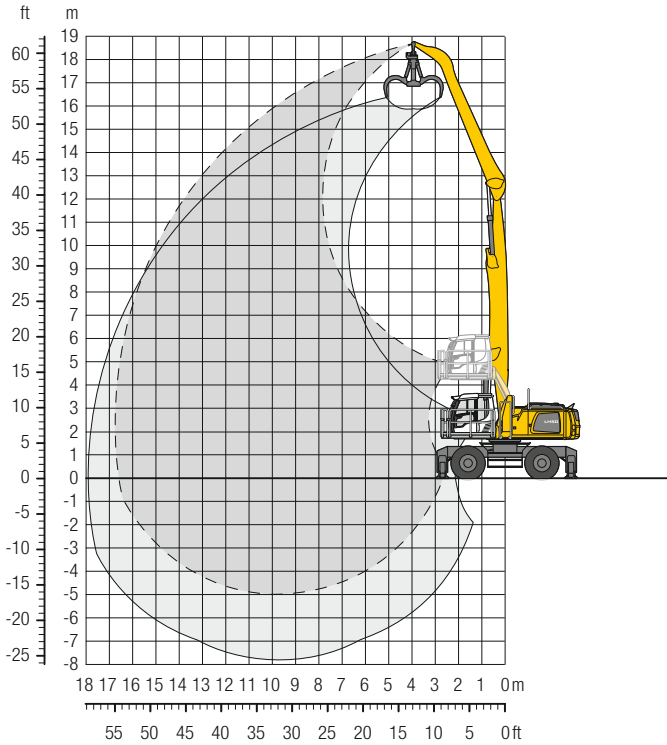
ft	Undercarriage	15ft		20ft		25ft		30ft		35ft		40ft		45ft		50ft		55ft		ft in		
		Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down			
60	Stabilizers raised																			15.3*	15.3*	20' 6"
55	4 pt. outriggers down			15.9*	15.9*															15.3*	15.3*	20' 6"
50	Stabilizers raised					16.5*	16.5*													12.2*	12.2*	29' 6"
45	4 pt. outriggers down					16.5*	16.5*	18.3	18.4*	9.9	11.7*								12.2*	12.2*	29' 6"	
40	Stabilizers raised							13.4	16.2*	10.3	13.2								10.8*	10.8*	35' 6"	
35	4 pt. outriggers down							18.4*	18.4*	11.7*	11.7*								10.8*	10.8*	35' 6"	
30	Stabilizers raised							18.0*	18.0*	10.3	13.2	7.7	10.1						10.0*	10.0*	40' 1"	
25	4 pt. outriggers down							18.0*	18.0*	14.5*	14.5*	10.2*	10.2*						10.0*	10.0*	40' 1"	
20	Stabilizers raised							18.0*	18.0*	10.4	13.2	8.0	10.3						6.5	8.6	43' 7"	
15	4 pt. outriggers down							18.0*	18.0*	14.4*	14.4*	13.1*	13.1*						9.6*	9.6*	43' 7"	
10	Stabilizers raised							18.1	18.4*	13.4	16.1*	10.2	13.1	7.9	10.3	6.2	8.2		5.7	7.7	46' 4"	
5	4 pt. outriggers down							18.4*	18.4*	16.1*	16.1*	14.5*	14.5*	13.1*	13.1*	11.6*	11.6*		9.3*	9.3*	46' 4"	
0	Stabilizers raised			22.5*	22.5*	17.4	19.0*	12.9	16.5	9.9	12.7	7.8	10.1	6.1	8.1				5.2	7.0	48' 4"	
-5	4 pt. outriggers down			22.5*	22.5*	19.0*	19.0*	16.5*	16.5*	14.7*	14.7*	13.2*	13.2*	12.0*	12.0*				9.1*	9.1*	48' 4"	
-10	Stabilizers raised	22.9*	22.9*	23.2	24.0*	16.4	19.9*	12.2	15.8	9.5	12.3	7.5	9.8	6.0	8.0				4.8	6.6	49'10"	
-15	4 pt. outriggers down	22.9*	22.9*	24.0*	24.0*	19.9*	19.9*	17.1*	17.1*	15.0*	15.0*	13.4*	13.4*	12.0*	12.0*				9.1*	9.1*	49'10"	
	Stabilizers raised	32.3	34.2*	21.0	25.9*	15.1	19.7	11.5	14.9	9.0	11.8	7.2	9.5	5.8	7.8	4.7	6.4		4.6	6.3	50' 8"	
	4 pt. outriggers down	34.2*	34.2*	25.9*	25.9*	21.0*	21.0*	17.7*	17.7*	15.4*	15.4*	13.6*	13.6*	12.0*	12.0*	10.4*	10.4*		9.2*	9.2*	50' 8"	
	Stabilizers raised	27.6	31.4*	18.7	25.2	13.8	18.3	10.6	14.1	8.4	11.2	6.8	9.1	5.6	7.6	4.6	6.3		4.4	6.1	51' 1"	
	4 pt. outriggers down	31.4*	31.4*	27.6*	27.6*	22.0*	22.0*	18.3*	18.3*	15.7*	15.7*	13.7*	13.7*	12.0*	12.0*	10.1*	10.1*		9.4*	9.4*	51' 1"	
	Stabilizers raised	11.0*	11.0*	16.8	23.0	12.6	17.0	9.8	13.3	7.9	10.7	6.5	8.8	5.3	7.3	4.5	6.2		4.3	6.0	51'	
	4 pt. outriggers down	11.0*	11.0*	28.6*	28.6*	22.6*	22.6*	18.6*	18.6*	15.8*	15.8*	13.6*	13.6*	11.7*	11.7*	9.6*	9.6*		8.9*	8.9*	51'	
	Stabilizers raised	9.7*	9.7*	15.4	21.6	11.7	16.1	9.2	12.6	7.5	10.2	6.2	8.5	5.2	7.2	4.4	6.2		4.4	6.1	50' 5"	
	4 pt. outriggers down	9.7*	9.7*	25.7*	25.7*	22.5*	22.5*	18.5*	18.5*	15.6*	15.6*	13.2*	13.2*	11.1*	11.1*	8.4*	8.4*		8.1*	8.1*	50' 5"	
	Stabilizers raised	11.1*	11.1*	14.7	20.8	11.1	15.4	8.8	12.1	7.2	9.9	6.0	8.3	5.1	7.0				4.6	6.5	48'	
	4 pt. outriggers down	11.1*	11.1*	22.2*	22.2*	21.4*	21.4*	17.7*	17.7*	14.8*	14.8*	12.4*	12.4*	10.0*	10.0*				8.2*	8.2*	48'	
	Stabilizers raised			14.5	20.6	10.8	15.1	8.5	11.9	7.0	9.7	5.9	8.2						5.4	7.5	42'10"	
	4 pt. outriggers down			22.5*	22.5*	19.0*	19.0*	15.9*	15.9*	13.2*	13.2*	10.7*	10.7*						9.3*	9.3*	42'10"	

Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

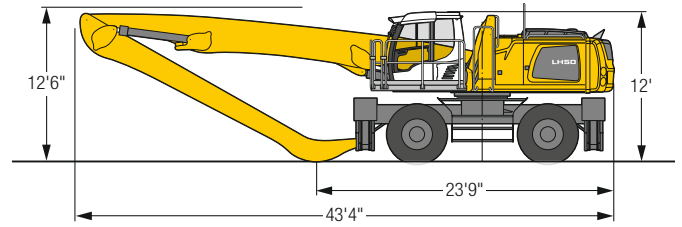
The lift capacities on the stick end without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (+15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature. This operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. The lift capacity of the unit is limited by its stability, the lifting capability of the hydraulic elements, or the maximum permissible lifting capacity of the load hook.

# LH 50 M – Equipment GA17

## Industry – Kinematic 2A



### Dimensions



### Operating weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 4 solid tires, straight boom 31'6", angled stick 24'7" and multi-tine grab GMM 50-5/1.18 yd<sup>3</sup> semi-closed tines.

Weight 97,400 lb

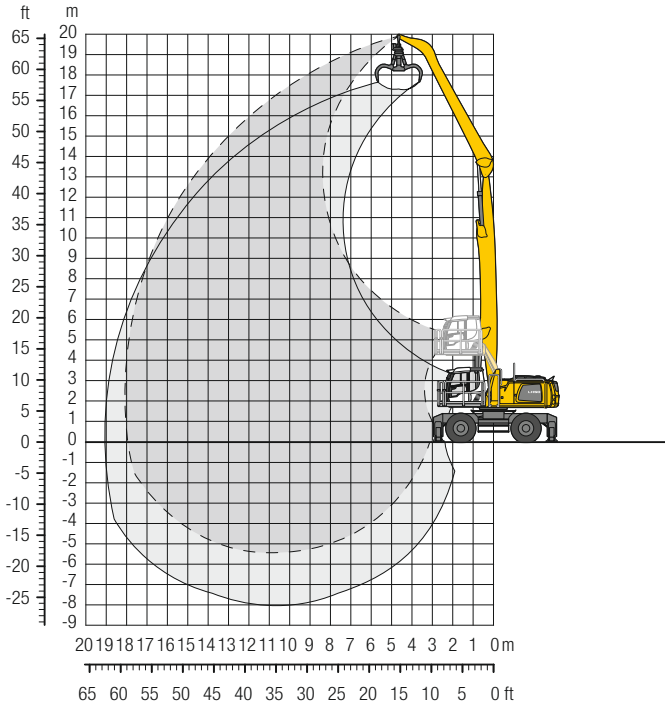
ft	Undercarriage	15ft		20ft		25ft		30ft		35ft		40ft		45ft		50ft		55ft		ft in			
		Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	ft in	
60	Stabilizers raised																				15,4*	15,4*	18' 5"
	4 pt. outriggers down																				15,4*	15,4*	
55	Stabilizers raised			15,0*	15,0*																11,7*	11,7*	28'11"
	4 pt. outriggers down			15,0*	15,0*																11,7*	11,7*	
50	Stabilizers raised			16,9*	16,9*	13,6	14,8*	10,0	11,1*												9,5	10,1*	35'10"
	4 pt. outriggers down			16,9*	16,9*	14,8*	14,8*	11,1*	11,1*												10,1*	10,1*	
45	Stabilizers raised					14,0	15,3*	10,5	13,4			7,9	10,2								7,4	9,3*	40'11"
	4 pt. outriggers down					15,3*	15,3*	13,8*	13,8*			10,5*	10,5*								9,3*	9,3*	
40	Stabilizers raised					14,1	15,1*	10,7	13,5			8,2	10,5								6,2	8,2	44'11"
	4 pt. outriggers down					15,1*	15,1*	13,6*	13,6*			12,4*	12,4*								8,7*	8,7*	
35	Stabilizers raised					14,0	15,2*	10,6	13,5			8,2	10,6	6,3	8,4						5,3	7,2	48' 1"
	4 pt. outriggers down					15,2*	15,2*	13,6*	13,6*			12,4*	12,4*	11,4*	11,4*						8,4*	8,4*	
30	Stabilizers raised					17,6*	17,6*	13,6	15,4*	10,4	13,3	8,1	10,4	6,3	8,3	4,9	6,6				4,7	6,5	50' 6"
	4 pt. outriggers down					17,6*	17,6*	15,4*	15,4*	13,8*	13,8*	12,4*	12,4*	11,3*	11,3*	9,1*	9,1*				8,2*	8,2*	
25	Stabilizers raised					17,7	18,3*	13,1	15,8*	10,0	12,9	7,8	10,2	6,2	8,2	4,9	6,6				4,3	6,0	52' 5"
	4 pt. outriggers down					18,3*	18,3*	15,8*	15,8*	14,0*	14,0*	12,6*	12,6*	11,4*	11,4*	10,3*	10,3*				8,1*	8,1*	
20	Stabilizers raised			22,9*	22,9*	16,5	19,2*	12,3	15,9	9,5	12,3	7,5	9,8	6,0	8,0	4,8	6,5				4,0	5,6	53' 8"
	4 pt. outriggers down			22,9*	22,9*	19,2*	19,2*	16,4*	16,4*	14,4*	14,4*	12,8*	12,8*	11,5*	11,5*	10,3*	10,3*				8,1*	8,1*	
15	Stabilizers raised	32,7	33,0*	21,2	25,0*	15,1	19,7	11,4	14,9	8,9	11,7	7,1	9,4	5,7	7,7	4,6	6,4				3,8	5,4	54' 7"
	4 pt. outriggers down	33,0*	33,0*	25,0*	25,0*	20,2*	20,2*	17,0*	17,0*	14,7*	14,7*	13,0*	13,0*	11,6*	11,6*	10,3*	10,3*				8,1*	8,1*	
10	Stabilizers raised	27,5	33,3*	18,6	25,1	13,6	18,2	10,5	13,9	8,3	11,1	6,6	9,0	5,4	7,4	4,4	6,2				3,6	5,2	54'11"
	4 pt. outriggers down	33,3*	33,3*	26,7*	26,7*	21,2*	21,2*	17,6*	17,6*	15,1*	15,1*	13,1*	13,1*	11,6*	11,6*	10,2*	10,2*				8,3*	8,3*	
5	Stabilizers raised	9,6*	9,6*	16,4	22,6	12,3	16,7	9,6	13,0	7,7	10,4	6,2	8,6	5,1	7,1	4,3	6,0				3,6	5,2	54'10"
	4 pt. outriggers down	9,6*	9,6*	27,7*	27,7*	21,8*	21,8*	18,0*	18,0*	15,3*	15,3*	13,2*	13,2*	11,5*	11,5*	9,9*	9,9*				7,9*	7,9*	
0	Stabilizers raised	8,2*	8,2*	14,8	21,0	11,2	15,6	8,9	12,2	7,2	9,9	5,9	8,2	4,9	6,9	4,1	5,9				3,6	5,2	54' 4"
	4 pt. outriggers down	8,2*	8,2*	21,5*	21,5*	21,9*	21,9*	18,0*	18,0*	15,2*	15,2*	13,0*	13,0*	11,1*	11,1*	9,3*	9,3*				7,2*	7,2*	
-5	Stabilizers raised	9,2*	9,2*	14,0	18,3*	10,5	14,9	8,3	11,7	6,8	9,5	5,6	7,9	4,7	6,7	4,0	5,8				3,8	5,4	52' 6"
	4 pt. outriggers down	9,2*	9,2*	18,3*	18,3*	21,1*	21,1*	17,4*	17,4*	14,6*	14,6*	12,4*	12,4*	10,4*	10,4*	8,4*	8,4*				7,0*	7,0*	
-10	Stabilizers raised			13,6	18,4*	10,1	14,5	8,0	11,4	6,5	9,3	5,5	7,7	4,6	6,6						4,2	6,1	48' 1"
	4 pt. outriggers down			18,4*	18,4*	19,2*	19,2*	16,1*	16,1*	13,5*	13,5*	11,3*	11,3*	9,2*	9,2*						7,7*	7,7*	
-15	Stabilizers raised					10,0	14,3	7,9	11,2	6,5	9,2										5,5	7,9	39' 4"
	4 pt. outriggers down					16,1*	16,1*	13,7*	13,7*	11,5*	11,5*										9,7*	9,7*	

Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

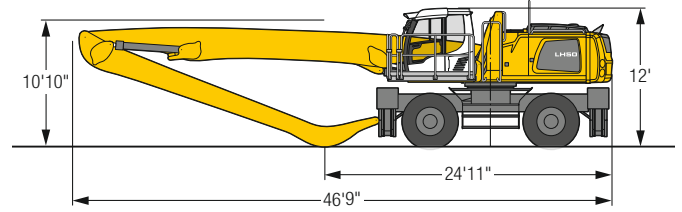
The lift capacities on the stick end without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (+15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature. This operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. The lift capacity of the unit is limited by its stability, the lifting capability of the hydraulic elements, or the maximum permissible lifting capacity of the load hook.

# LH 50 M – Equipment GA18

## Industry – Kinematic 2A



### Dimensions



### Operating weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 4 solid tires, straight boom 34'9", angled stick 26'3" and multi-tine grab GM 65 / 0.78 yd<sup>3</sup> semi-closed tines.

Weight 98,100 lb

ft	Undercarriage	15ft		20ft		25ft		30ft		35ft		40ft		45ft		50ft		55ft		ft in			
		Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	ft in	
65	Stabilizers raised																				14,5*	14,5*	16'11"
65	4 pt. outriggers down																				14,5*	14,5*	16'11"
60	Stabilizers raised			13,4*	13,4*																10,8*	10,8*	28'11"
60	4 pt. outriggers down			13,4*	13,4*																10,8*	10,8*	28'11"
55	Stabilizers raised			15,3*	15,3*	13,4*	13,4*	10,0	10,6*												9,1	9,3*	36' 6"
55	4 pt. outriggers down			15,3*	15,3*	13,4*	13,4*	10,6*	10,6*												9,3*	9,3*	36' 6"
50	Stabilizers raised			14,2	14,6*	14,2	14,6*	10,6	12,9*	7,9	10,3										6,9	8,5*	42' 1"
50	4 pt. outriggers down			14,6*	14,6*	14,6*	14,6*	12,9*	12,9*	10,4*	10,4*										8,5*	8,5*	42' 1"
45	Stabilizers raised			14,4	14,4*	14,4	14,4*	10,8	12,7*	8,2	10,6	6,1	8,2								5,5	7,5	46' 7"
45	4 pt. outriggers down			14,4*	14,4*	14,4*	14,4*	12,7*	12,7*	11,4*	11,4*	9,6*	9,6*								8,0*	8,0*	46' 7"
40	Stabilizers raised			14,3	14,4*	14,3	14,4*	10,8	12,7*	8,2	10,6	6,3	8,3	4,6	6,4						4,6	6,4	50' 1"
40	4 pt. outriggers down			14,4*	14,4*	14,4*	14,4*	12,7*	12,7*	11,4*	11,4*	10,3*	10,3*	7,8*	7,8*						7,7*	7,7*	50' 1"
35	Stabilizers raised			14,0	14,5*	14,0	14,5*	10,5	12,8*	8,1	10,5	6,2	8,3	4,7	6,5						4,0	5,6	53"
35	4 pt. outriggers down			14,5*	14,5*	14,5*	14,5*	12,8*	12,8*	11,4*	11,4*	10,3*	10,3*	9,4*	9,4*						7,4*	7,4*	53"
30	Stabilizers raised			17,2*	17,2*	13,5	14,8*	10,2	12,9*	7,8	10,2	6,1	8,1	4,7	6,5	3,5	5,1				3,5	5,0	55' 2"
30	4 pt. outriggers down			17,2*	17,2*	14,8*	14,8*	12,9*	12,9*	11,5*	11,5*	10,3*	10,3*	9,4*	9,4*	7,6*	7,6*				7,3*	7,3*	55' 2"
25	Stabilizers raised			17,3	17,8*	12,7	15,1*	9,6	12,5	7,4	9,8	5,8	7,8	4,5	6,3	3,5	5,1				3,1	4,6	56'11"
25	4 pt. outriggers down			17,8*	17,8*	15,1*	15,1*	13,1*	13,1*	11,6*	11,6*	10,4*	10,4*	9,4*	9,4*	8,4*	8,4*				7,3*	7,3*	56'11"
20	Stabilizers raised	21,1*	21,1*	22,7	22,8*	15,8	18,5*	11,7	15,3	8,9	11,8	7,0	9,3	5,5	7,5	4,3	6,1	3,4	4,9		2,8	4,3	58' 1"
20	4 pt. outriggers down	21,1*	21,1*	22,8*	22,8*	18,5*	18,5*	15,6*	15,6*	13,4*	13,4*	11,8*	11,8*	10,5*	10,5*	9,4*	9,4*	8,4*	8,4*		7,3*	7,3*	58' 1"
15	Stabilizers raised	30,2	32,5*	19,7	24,2*	14,1	18,7	10,6	14,1	8,2	11,0	6,4	8,8	5,1	7,1	4,1	5,8	3,2	4,8		2,6	4,1	58'11"
15	4 pt. outriggers down	32,5*	32,5*	24,2*	24,2*	19,3*	19,3*	16,0*	16,0*	13,7*	13,7*	12,0*	12,0*	10,6*	10,6*	9,4*	9,4*	8,3*	8,3*		7,3*	7,3*	58'11"
10	Stabilizers raised	13,0*	13,0*	16,6	23,0	12,3	16,8	9,4	12,9	7,4	10,2	5,9	8,2	4,7	6,7	3,8	5,6	3,1	4,6		2,5	4,0	59' 2"
10	4 pt. outriggers down	13,0*	13,0*	25,3*	25,3*	19,9*	19,9*	16,4*	16,4*	13,9*	13,9*	12,1*	12,1*	10,6*	10,6*	9,3*	9,3*	8,1*	8,1*		6,9*	6,9*	59' 2"
5	Stabilizers raised	6,2*	6,2*	14,1	20,3	10,7	15,1	8,4	11,8	6,7	9,4	5,4	7,7	4,4	6,4	3,6	5,3	2,9	4,5		2,4	3,9	59' 2"
5	4 pt. outriggers down	6,2*	6,2*	21,1*	21,1*	20,2*	20,2*	16,6*	16,6*	14,0*	14,0*	12,1*	12,1*	10,5*	10,5*	9,1*	9,1*	7,8*	7,8*		6,5*	6,5*	59' 2"
0	Stabilizers raised	5,9*	5,9*	12,4	14,2*	9,5	13,8	7,5	10,9	6,1	8,8	4,9	7,2	4,1	6,0	3,3	5,1	2,8	4,3		2,4	3,9	58' 8"
0	4 pt. outriggers down	5,9*	5,9*	14,2*	14,2*	20,0*	20,0*	16,5*	16,5*	13,9*	13,9*	11,9*	11,9*	10,2*	10,2*	8,8*	8,8*	7,3*	7,3*		5,9*	5,9*	58' 8"
-5	Stabilizers raised	7,0*	7,0*	11,5	13,1*	8,7	13,0	6,9	10,2	5,6	8,3	4,6	6,9	3,8	5,8	3,2	4,9	2,7	4,2		2,5	4,0	57' 8"
-5	4 pt. outriggers down	7,0*	7,0*	13,1*	13,1*	19,1*	19,1*	15,8*	15,8*	13,3*	13,3*	11,4*	11,4*	9,7*	9,7*	8,2*	8,2*	6,5*	6,5*		5,2*	5,2*	57' 8"
-10	Stabilizers raised			11,2	13,6*	8,3	12,5	6,5	9,8	5,3	8,0	4,4	6,6	3,6	5,6	3,1	4,8				2,7	4,3	53'10"
-10	4 pt. outriggers down			13,6*	13,6*	17,2*	17,2*	14,6*	14,6*	12,4*	12,4*	10,5*	10,5*	8,8*	8,8*	7,2*	7,2*				5,7*	5,7*	53'10"
-15	Stabilizers raised			8,2	12,4	6,3	9,7	5,1	7,8	4,2	6,5	3,6	5,6								3,4	5,2	46'11"
-15	4 pt. outriggers down			14,5*	14,5*	12,6*	12,6*	10,7*	10,7*	9,0*	9,0*	7,4*	7,4*								6,7*	6,7*	46'11"

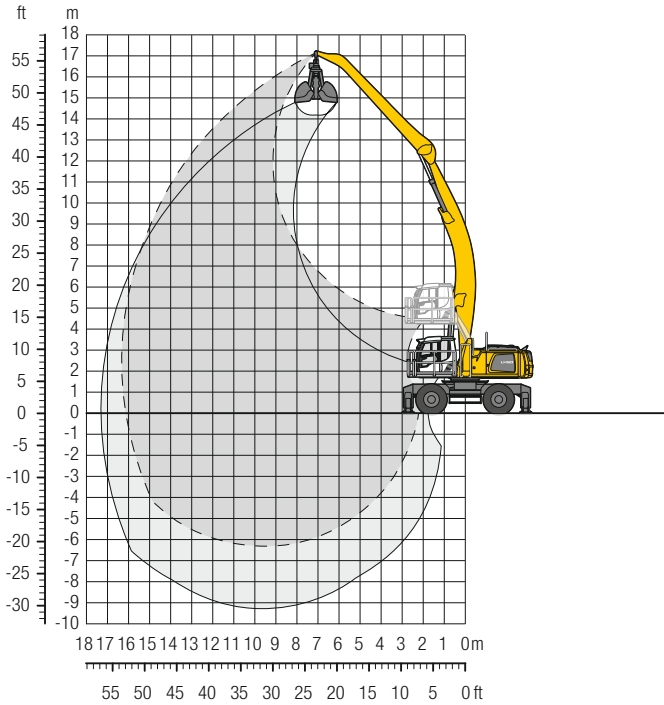
Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

The lift capacities on the stick end without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (+15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature. This operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. The lift capacity of the unit is limited by its stability, the lifting capability of the hydraulic elements, or the maximum permissible lifting capacity of the load hook.

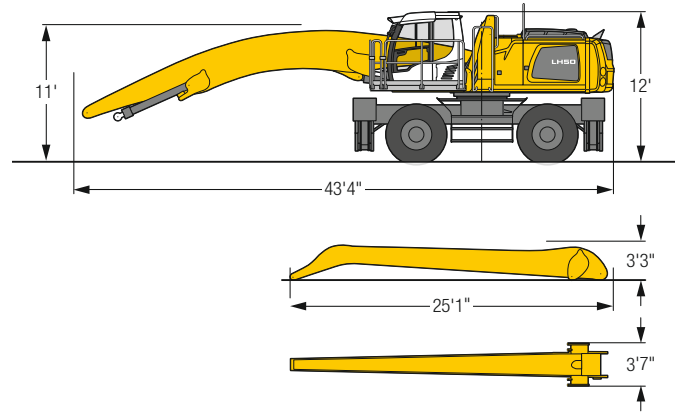


# LH 50 M – Equipment AF16

## Industry – Kinematic 2D



### Dimensions



### Operating weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 4 solid tires, angled boom 31'6", flat angled stick 24'7" and grab for loose material GMZ 40 /1.96yd<sup>3</sup>.

Weight	98,000 lb
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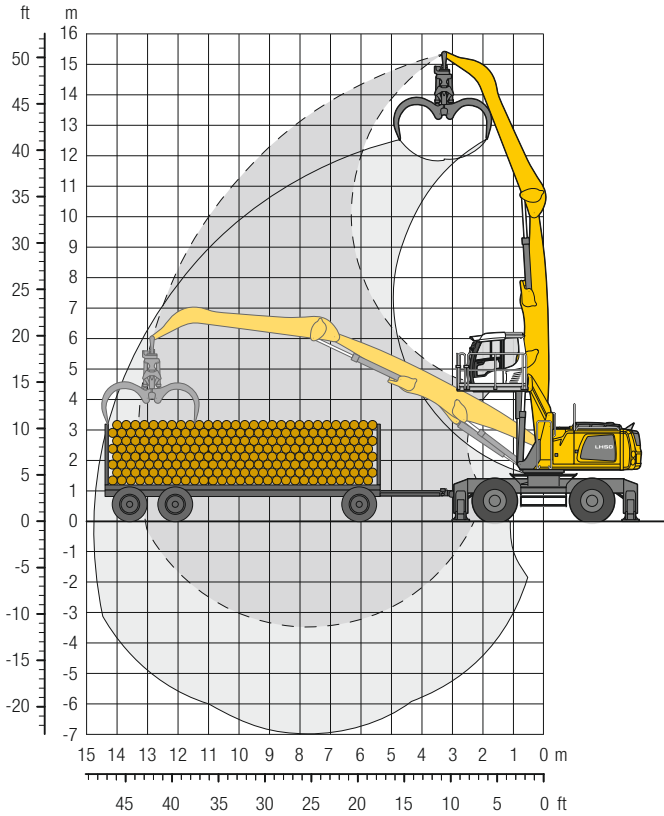
ft	Undercarriage	15ft		20ft		25ft		30ft		35ft		40ft		45ft		50ft		55ft		ft in	
		Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down		
60	Stabilizers raised																				
60	4 pt. outriggers down																				
55	Stabilizers raised			11.3*	11.3*														10.9*	10.9*	25' 5"
55	4 pt. outriggers down			11.3*	11.3*														10.9*	10.9*	
50	Stabilizers raised					11.9*	11.9*												9.5*	9.5*	33' 1"
50	4 pt. outriggers down					11.9*	11.9*												9.5*	9.5*	
45	Stabilizers raised					13.2*	13.2*	10.9	11.7*										8.8*	8.8*	38' 7"
45	4 pt. outriggers down					13.2*	13.2*	11.7*	11.7*										8.8*	8.8*	
40	Stabilizers raised					13.0*	13.0*	11.1	11.9*	8.4	10.9								7.2	8.4*	42'10"
40	4 pt. outriggers down					13.0*	13.0*	11.9*	11.9*	11.0*	11.0*								8.4*	8.4*	
35	Stabilizers raised					13.1*	13.1*	11.0	11.9*	8.5	10.9	6.5	8.6						6.1	8.1	46' 1"
35	4 pt. outriggers down					13.1*	13.1*	11.9*	11.9*	10.9*	10.9*	9.4*	9.4*						8.2*	8.2*	
30	Stabilizers raised					13.3*	13.3*	10.8	12.0*	8.3	10.7	6.5	8.5						5.3	7.2	48' 8"
30	4 pt. outriggers down					13.3*	13.3*	12.0*	12.0*	11.0*	11.0*	10.2*	10.2*						8.1*	8.1*	
25	Stabilizers raised					13.6	13.8*	10.4	12.3*	8.1	10.5	6.3	8.4	4.9	6.7				4.8	6.5	50' 7"
25	4 pt. outriggers down					13.8*	13.8*	12.3*	12.3*	11.2*	11.2*	10.2*	10.2*	8.9*	8.9*				8.1*	8.1*	
20	Stabilizers raised					16.7*	16.7*	12.8	14.4*	9.8	12.7	7.7	10.1	6.1	8.1	4.8	6.6		4.4	6.1	52"
20	4 pt. outriggers down					16.7*	16.7*	14.4*	14.4*	12.7*	12.7*	11.4*	11.4*	10.4*	10.4*	9.5*	9.5*		8.2*	8.2*	
15	Stabilizers raised	28.8*	28.8*	21.9*	21.9*	15.7	17.8*	11.8	15.1*	9.1	12.0	7.2	9.6	5.8	7.8	4.6	6.4		4.1	5.7	52'10"
15	4 pt. outriggers down	28.8*	28.8*	21.9*	21.9*	17.8*	17.8*	15.1*	15.1*	13.2*	13.2*	11.7*	11.7*	10.6*	10.6*	9.6*	9.6*		8.3*	8.3*	
10	Stabilizers raised	28.3	32.5*	19.1	23.8*	14.0	18.6	10.7	14.2	8.5	11.3	6.8	9.1	5.5	7.5	4.4	6.2		3.9	5.5	53' 2"
10	4 pt. outriggers down	32.5*	32.5*	23.8*	23.8*	18.9*	18.9*	15.8*	15.8*	13.6*	13.6*	12.0*	12.0*	10.7*	10.7*	9.6*	9.6*		8.6*	8.6*	
5	Stabilizers raised	15.3*	15.3*	16.7	23.0	12.5	17.0	9.7	13.2	7.8	10.6	6.3	8.6	5.1	7.2	4.2	6.0		3.7	5.4	53' 1"
5	4 pt. outriggers down	15.3*	15.3*	25.4*	25.4*	19.9*	19.9*	16.4*	16.4*	14.0*	14.0*	12.2*	12.2*	10.8*	10.8*	9.6*	9.6*		8.8*	8.8*	
0	Stabilizers raised	11.9*	11.9*	14.9	21.1	11.3	15.7	8.9	12.3	7.2	10.0	5.9	8.2	4.9	6.9	4.0	5.8		3.7	5.3	52' 7"
0	4 pt. outriggers down	11.9*	11.9*	26.1*	26.1*	20.5*	20.5*	16.8*	16.8*	14.3*	14.3*	12.3*	12.3*	10.8*	10.8*	9.4*	9.4*		8.6*	8.6*	
-5	Stabilizers raised	12.0*	12.0*	13.8	19.9	10.4	14.8	8.3	11.6	6.7	9.5	5.5	7.9	4.6	6.6	3.9	5.7		3.7	5.4	51' 6"
-5	4 pt. outriggers down	12.0*	12.0*	21.5*	21.5*	20.5*	20.5*	16.8*	16.8*	14.2*	14.2*	12.2*	12.2*	10.5*	10.5*	8.9*	8.9*		8.4*	8.4*	
-10	Stabilizers raised	13.0*	13.0*	13.2	19.3	9.9	14.3	7.8	11.2	6.4	9.1	5.3	7.6	4.5	6.5				3.9	5.6	49'11"
-10	4 pt. outriggers down	13.0*	13.0*	20.5*	20.5*	19.8*	19.8*	16.4*	16.4*	13.8*	13.8*	11.7*	11.7*	9.9*	9.9*				8.0*	8.0*	
-15	Stabilizers raised			13.1	19.1	9.7	14.0	7.6	11.0	6.2	9.0	5.2	7.5	4.4	6.4				4.2	6.1	47' 1"
-15	4 pt. outriggers down			20.9*	20.9*	18.2*	18.2*	15.2*	15.2*	12.8*	12.8*	10.7*	10.7*	8.7*	8.7*				7.8*	7.8*	
-20	Stabilizers raised					7.6	11.0	6.2	9.0										5.9	8.4	
-20	4 pt. outriggers down					13.2*	13.2*	11.0*	11.0*										10.3*	10.3*	36' 7"

Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

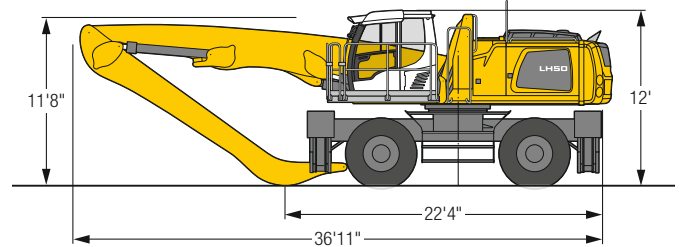
The lift capacities on the stick end without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (+15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature. This operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. The lift capacity of the unit is limited by its stability, the lifting capability of the hydraulic elements, or the maximum permissible lifting capacity of the load hook.

# LH 50 M – Equipment GA13

## Industry – Kinematic 2A



### Dimensions



### Operating weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 4 pneumatic tires, straight boom 24'11", angled stick 19'8" and wood grab GMH 40 / 2.27yd<sup>3</sup>.

Weight 92,800 lb

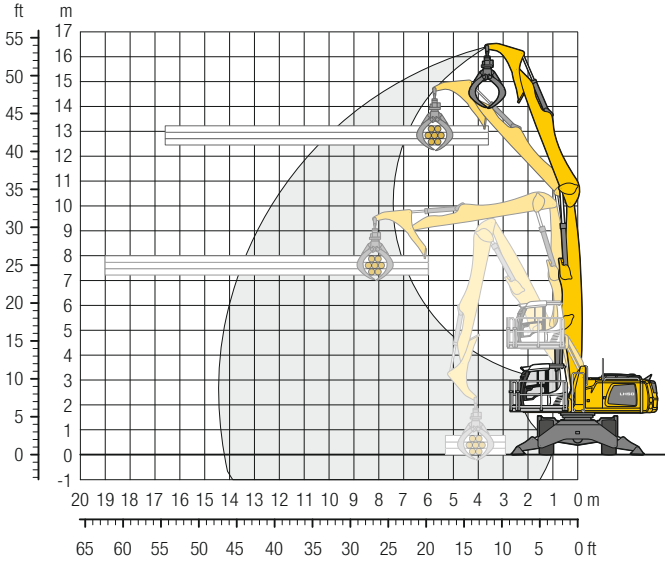
ft	Undercarriage	15ft		20ft		25ft		30ft		35ft		40ft		45ft		50ft		55ft		ft in		
		Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Max. reach	* Limited by hydr. capacity	
50	Stabilizers raised																			21.1*	21.1*	12' 8"
	4 pt. outriggers down																			21.1*	21.1*	
45	Stabilizers raised			19.3*	19.3*															14.7*	14.7*	23' 7"
	4 pt. outriggers down			19.3*	19.3*															14.7*	14.7*	
40	Stabilizers raised			21.9*	21.9*	17.1	18.9*	12.4	12.7*											12.3	12.6*	30' 1"
	4 pt. outriggers down			21.9*	21.9*	18.9*	18.9*	12.7*	12.7*											12.6*	12.6*	
35	Stabilizers raised					17.4	19.5*	12.8	16.2											9.8	11.6*	34' 7"
	4 pt. outriggers down					19.5*	19.5*	17.8*	17.8*											11.6*	11.6*	
30	Stabilizers raised					17.4	19.5*	12.8	16.3	9.8	12.5									8.3	10.7	38"
	4 pt. outriggers down					19.5*	19.5*	17.6*	17.6*	16.2*	16.2*									11.0*	11.0*	
25	Stabilizers raised			22.9*	22.9*	17.0	20.0*	12.6	16.0	9.7	12.4	7.5	9.8							7.4	9.6	40' 5"
	4 pt. outriggers down			22.9*	22.9*	20.0*	20.0*	17.9*	17.9*	16.2*	16.2*	11.8*	11.8*							10.7*	10.7*	
20	Stabilizers raised			23.1*	24.5*	16.3	20.8	12.2	15.6	9.5	12.2	7.5	9.7							6.8	8.9	42' 1"
	4 pt. outriggers down			24.5*	24.5*	20.9*	20.9*	18.4*	18.4*	16.4*	16.4*	14.8*	14.8*							10.6*	10.6*	
15	Stabilizers raised	33.5	33.9*	21.6	26.6*	15.5	19.9	11.7	15.1	9.2	11.9	7.3	9.6							6.4	8.4	43' 2"
	4 pt. outriggers down	33.9*	33.9*	26.6*	26.6*	22.1*	22.1*	19.0*	19.0*	16.7*	16.7*	14.8*	14.8*							10.6*	10.6*	
10	Stabilizers raised	29.9	38.4*	19.9	26.1	14.5	18.9	11.1	14.4	8.8	11.5	7.2	9.4							6.2	8.2	43' 8"
	4 pt. outriggers down	38.4*	38.4*	28.8*	28.8*	23.3*	23.3*	19.7*	19.7*	17.0*	17.0*	14.7*	14.7*							10.8*	10.8*	
5	Stabilizers raised	26.9	33.8*	18.3	24.4	13.6	17.9	10.6	13.9	8.5	11.1	7.0	9.2							6.1	8.1	43' 6"
	4 pt. outriggers down	33.8*	33.8*	30.5*	30.5*	24.2*	24.2*	20.0*	20.0*	17.0*	17.0*	14.3*	14.3*							11.3*	11.3*	
0	Stabilizers raised	21.3*	21.3*	17.2	23.2	12.9	17.1	10.1	13.4	8.2	10.9	6.8	9.0							6.2	8.3	42'11"
	4 pt. outriggers down	21.3*	21.3*	30.7*	30.7*	24.2*	24.2*	19.9*	19.9*	16.5*	16.5*	13.3*	13.3*							10.8*	10.8*	
- 5	Stabilizers raised	20.8*	20.8*	16.6	22.6	12.4	16.6	9.8	13.1	8.0	10.7									6.8	9.1	39' 8"
	4 pt. outriggers down	20.8*	20.8*	28.8*	28.8*	23.0*	23.0*	18.7*	18.7*	15.1*	15.1*									11.4*	11.4*	
-10	Stabilizers raised			16.4	22.4	12.2	16.5	9.7	13.0											8.9	11.9	32' 1"
	4 pt. outriggers down			24.4*	24.4*	19.9*	19.9*	16.0*	16.0*											14.4*	14.4*	

Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

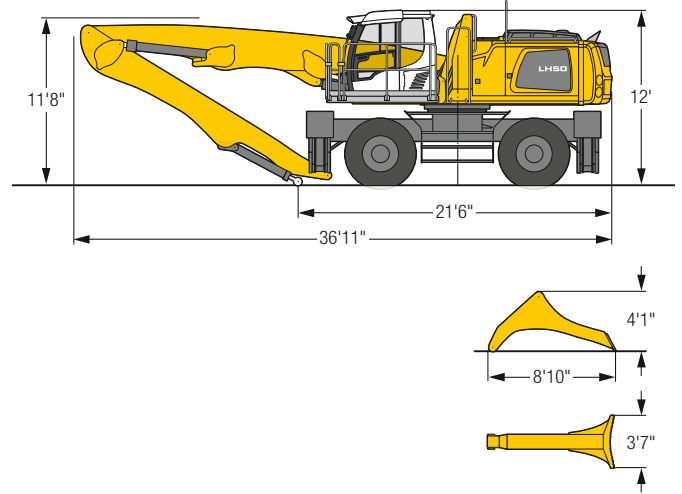
The lift capacities on the stick end without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (+15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature. This operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. The lift capacity of the unit is limited by its stability, the lifting capability of the hydraulic elements, or the maximum permissible lifting capacity of the load hook.

# LH 50 M – Equipment GKG14

## Industry – Kinematic 2A



### Dimensions



### Operating weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 4 solid tires, straight boom 24'11", stick 19' with counterstay and wood grab 0.84 yd<sup>3</sup>.

Weight	95,700 lb
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ft	Undercarriage	15ft		20ft		25ft		30ft		35ft		40ft		45ft		50ft		55ft		ft in		
		Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	Stabilizers raised	4 pt. outriggers down	ft in
50	Stabilizers raised			15.7*	15.7*															13.0*	13.0*	22' 5"
	4 pt. outriggers down			15.7*	15.7*															13.0*	13.0*	
45	Stabilizers raised					15.5*	15.5*													10.5*	10.5*	30'
	4 pt. outriggers down					15.5*	15.5*													10.5*	10.5*	
40	Stabilizers raised					17.3*	17.3*	12.8	14.8*	9.3	9.6*									9.1	9.2*	35' 2"
	4 pt. outriggers down					17.3*	17.3*	14.8*	14.8*	9.6*	9.6*									9.2*	9.2*	
35	Stabilizers raised					16.9*	16.9*	13.0	15.4*	9.6	12.5									7.4	8.5*	39' 2"
	4 pt. outriggers down					16.9*	16.9*	15.4*	15.4*	13.7*	13.7*									8.5*	8.5*	
30	Stabilizers raised					16.9*	16.9*	13.0	15.3*	9.7	12.5	7.3	9.6							6.4	8.1*	42' 2"
	4 pt. outriggers down					16.9*	16.9*	15.3*	15.3*	14.0*	14.0*	11.6*	11.6*							8.1*	8.1*	
25	Stabilizers raised					17.4*	17.4*	12.7	15.6*	9.5	12.4	7.2	9.6							5.6	7.7	44' 5"
	4 pt. outriggers down					17.4*	17.4*	15.6*	15.6*	14.1*	14.1*	13.0*	13.0*							7.8*	7.8*	
20	Stabilizers raised					16.7	18.2*	12.2	15.8	9.2	12.0	7.1	9.4	5.4	7.4					5.2	7.1	45' 11"
	4 pt. outriggers down					18.2*	18.2*	16.1*	16.1*	14.4*	14.4*	13.1*	13.1*	9.8*	9.8*					7.7*	7.7*	
15	Stabilizers raised			22.6	23.1*	15.7	19.4*	11.6	15.1	8.8	11.6	6.8	9.2	5.3	7.3					4.8	6.7	46' 11"
	4 pt. outriggers down			23.1*	23.1*	19.4*	19.4*	16.8*	16.8*	14.8*	14.8*	13.2*	13.2*	11.7*	11.7*					7.7*	7.7*	
10	Stabilizers raised	32.2	33.4*	20.6	25.5*	14.6	19.1	10.8	14.3	8.3	11.1	6.5	8.9	5.2	7.2					4.7	6.5	47' 5"
	4 pt. outriggers down	33.4*	33.4*	25.5*	25.5*	20.8*	20.8*	17.6*	17.6*	15.2*	15.2*	13.3*	13.3*	11.5*	11.5*					7.9*	7.9*	
5	Stabilizers raised	28.1	37.6*	18.6	25.0	13.4	17.9	10.1	13.5	7.9	10.6	6.2	8.6	5.0	7.0					4.6	6.5	47' 4"
	4 pt. outriggers down	37.6*	37.6*	27.7*	27.7*	22.0*	22.0*	18.2*	18.2*	15.5*	15.5*	13.3*	13.3*	11.1*	11.1*					8.1*	8.1*	
0	Stabilizers raised	25.2	28.4*	16.9	23.2	12.4	16.8	9.5	12.9	7.4	10.2	6.0	8.3	4.9	6.9					4.6	6.5	46' 7"
	4 pt. outriggers down	28.4*	28.4*	28.9*	28.9*	22.6*	22.6*	18.5*	18.5*	15.5*	15.5*	12.9*	12.9*	10.1*	10.1*					8.5*	8.5*	
-5	Stabilizers raised	21.3*	21.3*	15.8	22.0	11.6	16.0	9.0	12.4	7.1	9.9	5.8	8.1							5.0	7.0	44' 5"
	4 pt. outriggers down	21.3*	21.3*	28.5*	28.5*	22.3*	22.3*	18.1*	18.1*	14.8*	14.8*	11.9*	11.9*							8.7*	8.7*	
-10	Stabilizers raised	21.3*	21.3*	15.3	21.4	11.2	15.6	8.7	12.1	7.0	9.7									5.8	8.2	39' 7"
	4 pt. outriggers down	21.3*	21.3*	26.0*	26.0*	20.6*	20.6*	16.5*	16.5*	13.1*	13.1*									9.9*	9.9*	

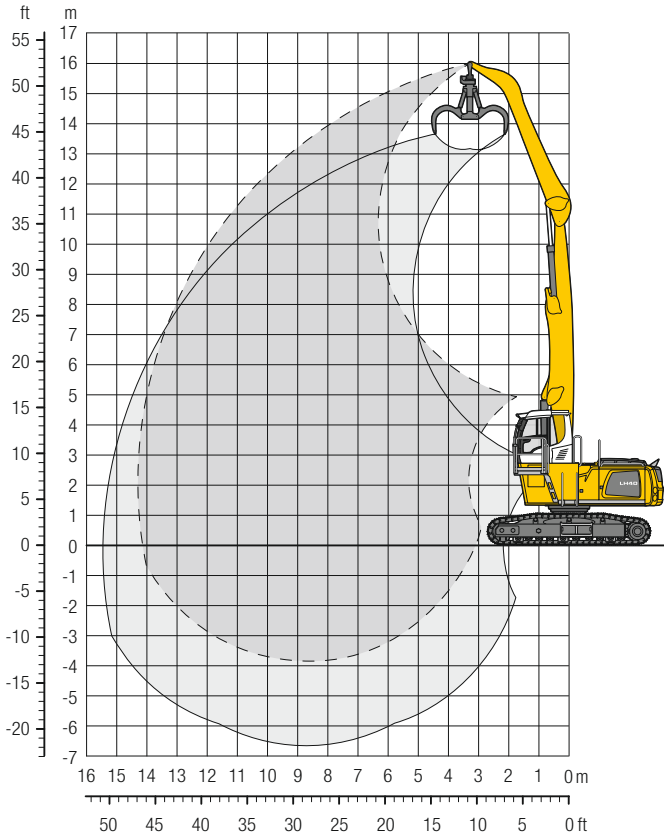
Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

The lift capacities on the stick end without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (+15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature. This operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. The lift capacity of the unit is limited by its stability, the lifting capability of the hydraulic elements, or the maximum permissible lifting capacity of the load hook.

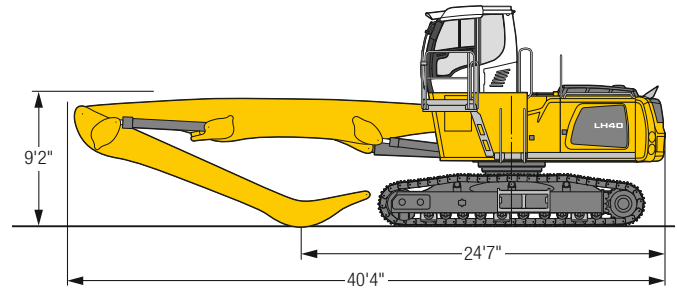


# LH 40 C – Equipment GA14

## Industry – Kinematic 2A



### Dimensions



### Operating weight and ground pressure

The operating weight includes the basic machine with rigid cab elevation, straight boom 28'3", angled stick 19'8" and multi-tine grab GMM 50-5/1.18 yd<sup>3</sup> semi-closed tines.

Weight	88,400 lb
Pad width	24"
Ground pressure	on request

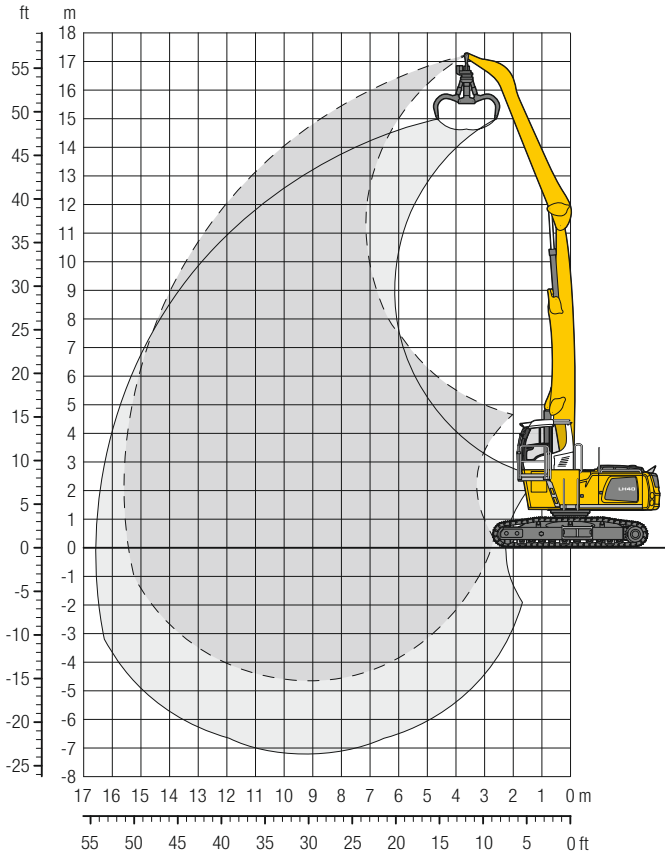
ft	Undercarriage	15ft		20ft		25ft		30ft		35ft		40ft		45ft		50ft		55ft		ft in	
		EW	EW	EW	EW	EW	EW	EW	EW	EW	EW	EW	EW	EW	EW	EW	EW	EW	EW	EW	EW
55	EW																				
50	EW	21,2*	21,2*																		17,6* 17,6* 18' 4"
45	EW			20,8*	20,8*	17,0*	17,0*														13,9* 13,9* 27' 4"
40	EW					18,0*	18,0*	16,0*	16,0*												12,3* 12,3* 33' 2"
35	EW					17,8*	17,8*	15,7*	15,7*	14,2*	14,2*										11,4* 11,4* 37' 7"
30	EW					17,9*	17,9*	15,7*	15,7*	14,1*	14,1*	12,6	12,7*								10,9* 10,9* 40'11"
25	EW			21,7*	21,7*	18,3*	18,3*	16,0*	16,0*	14,2*	14,2*	12,6	12,7*								10,7* 10,7* 43' 4"
20	EW	27,2*	27,2*	22,9*	22,9*	19,0*	19,0*	16,4*	16,4*	14,4*	14,4*	12,4	12,7*	10,1	10,8*						10,1 10,6* 45' 1"
15	EW	32,2*	32,2*	24,5*	24,5*	19,9*	19,9*	16,8*	16,8*	14,6*	14,6*	12,2	12,8*	10,0	11,0*						9,6 10,5* 46' 2"
10	EW	35,2*	35,2*	26,0*	26,0*	20,7*	20,7*	17,2*	17,2*	14,5	14,7*	11,9	12,7*	9,9	10,8*						9,3 9,9* 46'10"
5	EW	13,6*	13,6*	26,7*	26,7*	21,1*	21,1*	17,4*	17,4*	14,1	14,7*	11,6	12,5*	9,8	10,3*						9,2* 9,2* 46'11"
0	EW	11,4*	11,4*	26,2*	26,2*	20,8*	20,8*	16,9	17,1*	13,7	14,2*	11,4	11,9*	9,3*	9,3*						8,3* 8,3* 46' 5"
- 5	EW	12,9*	12,9*	24,0*	24,0*	19,5*	19,5*	16,0*	16,0*	13,2*	13,2*	10,7*	10,7*								8,2* 8,2* 44' 1"
-10	EW			20,1*	20,1*	16,9*	16,9*	14,0*	14,0*	11,4*	11,4*										9,5* 9,5* 38' 5"
-15	EW																				

Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

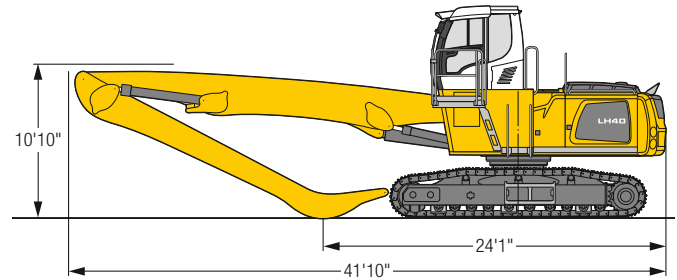
The lift capacities on the stick end without attachment are stated in lb x 1,000 and can be slewed through 360° on a firm, level supporting surface. Capacities are valid for 24" wide triple grouser pads (resp. flat pads). Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature. This operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. The lift capacity of the unit is limited by its stability, the lifting capability of the hydraulic elements, or the maximum permissible lifting capacity of the load hook.

# LH 40 C – Equipment GA16

## Industry – Kinematic 2A



### Dimensions



### Operating weight and ground pressure

The operating weight includes the basic machine with rigid cab elevation, straight boom 29'10", angled stick 22'4" and multi-tine grab GM 65 / 0.78 yd<sup>3</sup> semi-closed tines.

Weight	88,400 lb
Pad width	24"
Ground pressure	on request

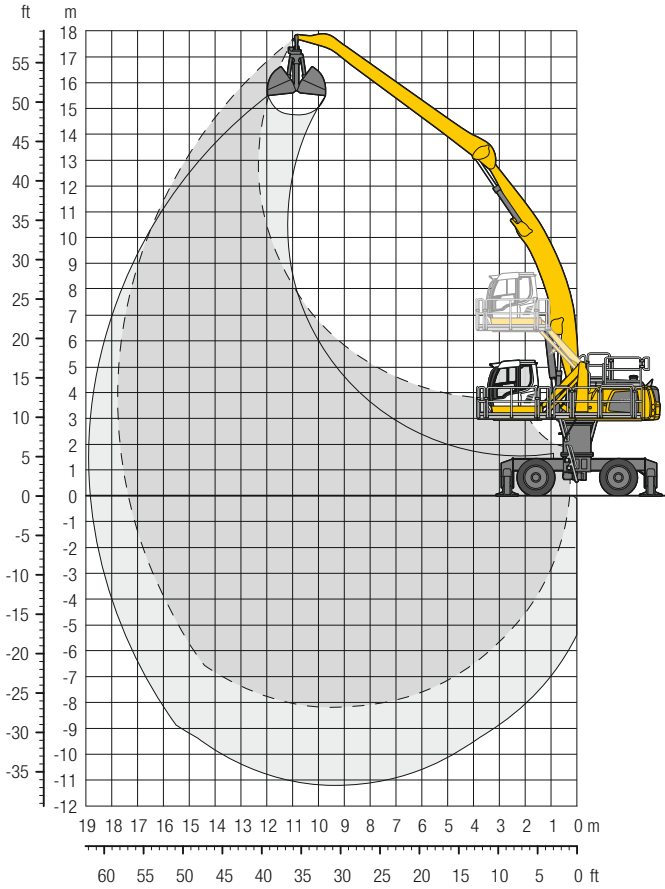
ft	Undercarriage	15ft		20ft		25ft		30ft		35ft		40ft		45ft		50ft		55ft		ft in		
55	EW	19,0*	19,0*																	17,1*	17,1*	16'11"
50	EW			18,7*	18,7*	15,4*	15,4*													12,8*	12,8*	27' 5"
45	EW					17,3*	17,3*	15,3*	15,3*											11,1*	11,1*	34'
40	EW					16,9*	16,9*	14,9*	14,9*	13,4*	13,4*									10,2*	10,2*	38'11"
35	EW					16,8*	16,8*	14,8*	14,8*	13,2*	13,2*	12,0*	12,0*							9,7*	9,7*	42' 8"
30	EW					17,1*	17,1*	14,9*	14,9*	13,3*	13,3*	12,0*	12,0*	10,3	10,5*					9,3*	9,3*	45' 7"
25	EW			20,8*	20,8*	17,5*	17,5*	15,2*	15,2*	13,4*	13,4*	12,0*	12,0*	10,3	10,8*					9,1	9,2*	47'10"
20	EW			22,0*	22,0*	18,2*	18,2*	15,6*	15,6*	13,6*	13,6*	12,1*	12,1*	10,2	10,8*					8,5	9,1*	49' 5"
15	EW	30,8*	30,8*	23,5*	23,5*	19,0*	19,0*	16,1*	16,1*	13,9*	13,9*	12,1	12,2*	10,0	10,7*	8,3	9,2*			8,2	9,0*	50' 6"
10	EW	33,7*	33,7*	24,9*	24,9*	19,8*	19,8*	16,5*	16,5*	14,1*	14,1*	11,7	12,2*	9,7	10,6*	8,2	8,9*			7,9	8,5*	51'
5	EW	12,7*	12,7*	25,7*	25,7*	20,3*	20,3*	16,7*	16,7*	13,8	14,1*	11,3	12,1*	9,5	10,4*	8,1	8,4*			7,8	7,9*	51'
0	EW	9,7*	9,7*	25,4*	25,4*	20,1*	20,1*	16,5	16,5*	13,3	13,9*	11,0	11,8*	9,3	9,9*	7,5*	7,5*			7,1*	7,1*	50' 7"
- 5	EW	10,6*	10,6*	22,6*	22,6*	19,2*	19,2*	15,8*	15,8*	12,9	13,2*	10,8	11,0*	8,9*	8,9*					6,7*	6,7*	49'
-10	EW			20,6*	20,6*	17,2*	17,2*	14,3*	14,3*	11,9*	11,9*	9,7*	9,7*							7,5*	7,5*	44' 7"
-15	EW					11,8*	11,8*													10,3*	10,3*	33' 6"

Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

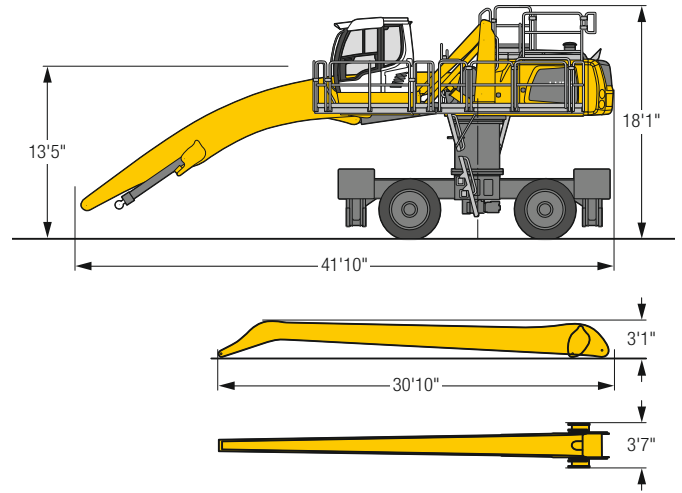
The lift capacities on the stick end without attachment are stated in lb x 1,000 and can be slewed through 360° on a firm, level supporting surface. Capacities are valid for 24" wide triple grouser pads (resp. flat pads). Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature. This operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. The lift capacity of the unit is limited by its stability, the lifting capability of the hydraulic elements, or the maximum permissible lifting capacity of the load hook.

# LH 50 M HR – Equipment AF18

## Industry – Kinematic 2C



### Dimensions



### Operating weight

The operating weight includes the basic machine with 4 point outriggers, turret 3'11", hydr. cab elevation, 4 solid tires, angled boom 31'6", flat angled stick 29'6" and grab for loose material GMZ 40 / 1.96 yd<sup>3</sup>.

Weight 100,200 lb

ft	Undercarriage	15ft		20ft		25ft		30ft		35ft		40ft		45ft		50ft		55ft		ft in		
65	4 pt. outriggers down																					
60	4 pt. outriggers down							10,1*	10,1*											8,6*	8,6*	32' 4"
55	4 pt. outriggers down									10,1*	10,1*									7,7*	7,7*	38'10"
50	4 pt. outriggers down									11,2*	11,2*	9,7*	9,7*							7,2*	7,2*	43'10"
45	4 pt. outriggers down									11,0*	11,0*	10,2*	10,2*	9,0*	9,0*					6,8*	6,8*	47' 8"
40	4 pt. outriggers down									11,0*	11,0*	10,2*	10,2*	9,5*	9,5*	7,5*	7,5*			6,6*	6,6*	50'11"
35	4 pt. outriggers down									11,2*	11,2*	10,2*	10,2*	9,5*	9,5*	8,9*	8,9*			6,5*	6,5*	53' 5"
30	4 pt. outriggers down									11,4*	11,4*	10,4*	10,4*	9,6*	9,6*	8,9*	8,9*	6,8*	6,8*	6,5*	6,5*	55' 4"
25	4 pt. outriggers down							13,2*	13,2*	11,8*	11,8*	10,7*	10,7*	9,8*	9,8*	9,0*	9,0*	8,3*	8,3*	6,5*	6,5*	56' 8"
20	4 pt. outriggers down					16,0*	16,0*	13,8*	13,8*	12,2*	12,2*	11,0*	11,0*	10,0*	10,0*	9,2*	9,2*	8,4*	8,4*	6,6*	6,6*	57' 7"
15	4 pt. outriggers down			21,1*	21,1*	17,2*	17,2*	14,6*	14,6*	12,7*	12,7*	11,3*	11,3*	10,2*	10,2*	9,3*	9,3*	8,5*	8,5*	6,8*	6,8*	58' 1"
10	4 pt. outriggers down	31,1*	31,1*	23,0*	23,0*	18,4*	18,4*	15,4*	15,4*	13,2*	13,2*	11,6*	11,6*	10,4*	10,4*	9,4*	9,4*	8,5*	8,5*	7,0*	7,0*	58' 2"
5	4 pt. outriggers down	20,2*	20,2*	24,6*	24,6*	19,4*	19,4*	16,0*	16,0*	13,7*	13,7*	11,9*	11,9*	10,6*	10,6*	9,4*	9,4*	8,4*	8,4*	7,3*	7,3*	57'10"
0	4 pt. outriggers down	13,7*	13,7*	25,6*	25,6*	20,1*	20,1*	16,5*	16,5*	14,0*	14,0*	12,1*	12,1*	10,6*	10,6*	9,4*	9,4*	8,2*	8,2*	7,6*	7,6*	57'
- 5	4 pt. outriggers down	12,8*	12,8*	23,1*	23,1*	20,2*	20,2*	16,6*	16,6*	14,0*	14,0*	12,1*	12,1*	10,5*	10,5*	9,1*	9,1*	7,6*	7,6*	7,4*	7,4*	55' 8"
-10	4 pt. outriggers down	13,2*	13,2*	21,0*	21,0*	19,8*	19,8*	16,3*	16,3*	13,7*	13,7*	11,8*	11,8*	10,1*	10,1*	8,5*	8,5*			7,0*	7,0*	54'
-15	4 pt. outriggers down	14,0*	14,0*	20,8*	20,8*	18,5*	18,5*	15,4*	15,4*	13,0*	13,0*	11,0*	11,0*	9,2*	9,2*	7,3*	7,3*			6,9*	6,9*	50'10"
-20	4 pt. outriggers down					16,3*	16,3*	13,6*	13,6*	11,4*	11,4*	9,5*	9,5*							8,5*	8,5*	42' 7"

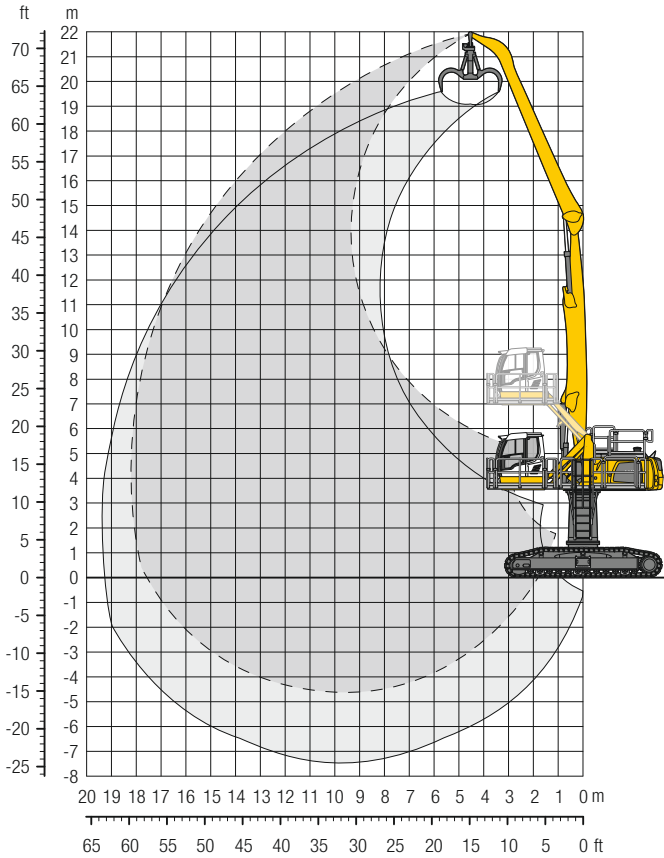
Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

The lift capacities on the stick end without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (+15°) are specified over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature. This operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. The lift capacity of the unit is limited by its stability, the lifting capability of the hydraulic elements, or the maximum permissible lifting capacity of the load hook.

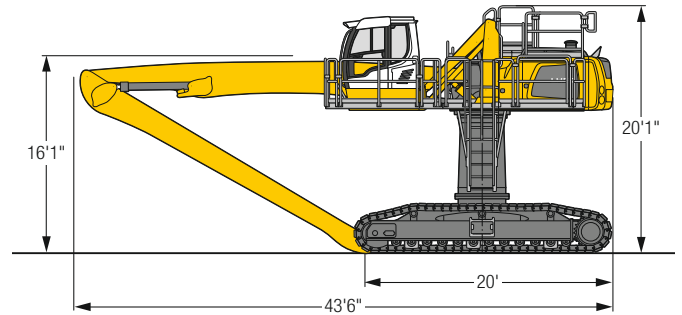


# LH 50 C HR – Equipment GA18

## Industry – Kinematic 2A



### Dimensions



### Operating weight and ground pressure

The operating weight includes the basic machine with turret 67°, hydr. cab elevation, straight boom 31'6", angled stick 29'6" and multi-tine grab GMM 50-5/1.18 yd<sup>3</sup> semi-closed tines.

Weight	118,600 lb
Pad width	24"
Ground pressure	on request

ft	Undercarriage	15ft		20ft		25ft		30ft		35ft		40ft		45ft		50ft		55ft		ft in		
70	SW			13,5*	13,5*															12,6*	12,6*	21' 2"
65	SW					13,6*	13,6*	10,8*	10,8*											9,7*	9,7*	31' 5"
60	SW							13,2*	13,2*	10,9*	10,9*									8,3*	8,3*	38' 5"
55	SW							14,1*	14,1*	12,7*	12,7*	10,5*	10,5*							7,5*	7,5*	43' 8"
50	SW									12,6*	12,6*	11,5*	11,5*	9,7*	9,7*					7,0*	7,0*	47' 11"
45	SW									12,5*	12,5*	11,4*	11,4*	10,5*	10,5*	8,2*	8,2*			6,7*	6,7*	51' 4"
40	SW									12,5*	12,5*	11,4*	11,4*	10,5*	10,5*	9,7*	9,7*			6,5*	6,5*	54'
35	SW							14,2*	14,2*	12,7*	12,7*	11,5*	11,5*	10,5*	10,5*	9,7*	9,7*	7,8*	7,8*	6,4*	6,4*	56' 1"
30	SW							14,6*	14,6*	13,0*	13,0*	11,7*	11,7*	10,6*	10,6*	9,7*	9,7*	8,8*	8,8*	6,3*	6,3*	57' 8"
25	SW					17,1*	17,1*	15,2*	15,2*	13,4*	13,4*	11,9*	11,9*	10,8*	10,8*	9,8*	9,8*	8,8*	8,8*	6,3*	6,3*	58' 10"
20	SW			18,7*	18,7*	18,7*	18,7*	15,8*	15,8*	13,8*	13,8*	12,2*	12,2*	10,9*	10,9*	9,8*	9,8*	8,8*	8,8*	6,3*	6,3*	59' 6"
15	SW	32,9*	32,9*	24,6*	24,6*	19,7*	19,7*	16,5*	16,5*	14,2*	14,2*	12,4*	12,4*	11,0*	11,0*	9,8*	9,8*	8,7*	8,7*	6,4*	6,4*	59' 10"
10	SW	23,6*	23,6*	26,2*	26,2*	20,6*	20,6*	17,1*	17,1*	14,5*	14,5*	12,6*	12,6*	11,1*	11,1*	9,7*	9,7*	8,4*	8,4*	6,6*	6,6*	59' 7"
5	SW	11,1*	11,1*	26,9*	26,9*	21,1*	21,1*	17,3*	17,3*	14,6*	14,6*	12,6*	12,6*	10,9*	10,9*	9,5*	9,5*	8,0*	8,0*	6,1*	6,1*	59' 1"
0	SW	10,0*	10,0*	21,9*	21,9*	21,0*	21,0*	17,2*	17,2*	14,5*	14,5*	12,3*	12,3*	10,6*	10,6*	9,0*	9,0*	7,1*	7,1*	5,7*	5,7*	57' 8"
-5	SW	10,7*	10,7*	19,2*	19,2*	20,0*	20,0*	16,5*	16,5*	13,8*	13,8*	11,7*	11,7*	9,8*	9,8*	8,0*	8,0*			6,2*	6,2*	54' 2"
-10	SW			19,2*	19,2*	17,9*	17,9*	14,9*	14,9*	12,5*	12,5*	10,4*	10,4*	8,5*	8,5*					7,0*	7,0*	48' 7"
-15	SW							12,4*	12,4*	10,3*	10,3*									10,2*	10,2*	35' 4"

Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

The lift capacities on the stick end without attachment are stated in lb x 1,000 and can be slewed through 360° on a firm, level supporting surface. Capacities are valid for 24" wide flat pads. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature. This operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. The lift capacity of the unit is limited by its stability, the lifting capability of the hydraulic elements, or the maximum permissible lifting capacity of the load hook.

# Liebherr ERC-System

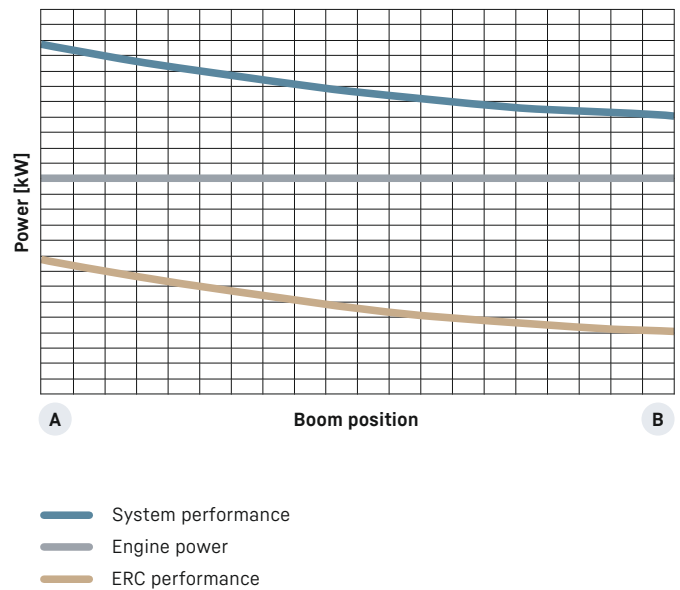
## More performance, less consumption

Lowering the equipment stores energy in the ERC-System. This stored energy is then made available to the machine to provide additional engine power. When the equipment is raised the stored energy is released and is reflected in powerful, homogeneous operating cycles. The result is a clear energy saving – and, at the same time, even greater performance.

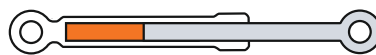
## System performance

The energy recovery cylinder is a storage system which is independent of the electric motor or diesel engine. The system performance of material handling machines fitted with the ERC-System is composed of the installed engine power and the energy recovery cylinder. When the equipment is raised, energy from the ERC-System is supplied in addition to the power from the engine.

## ERC-System



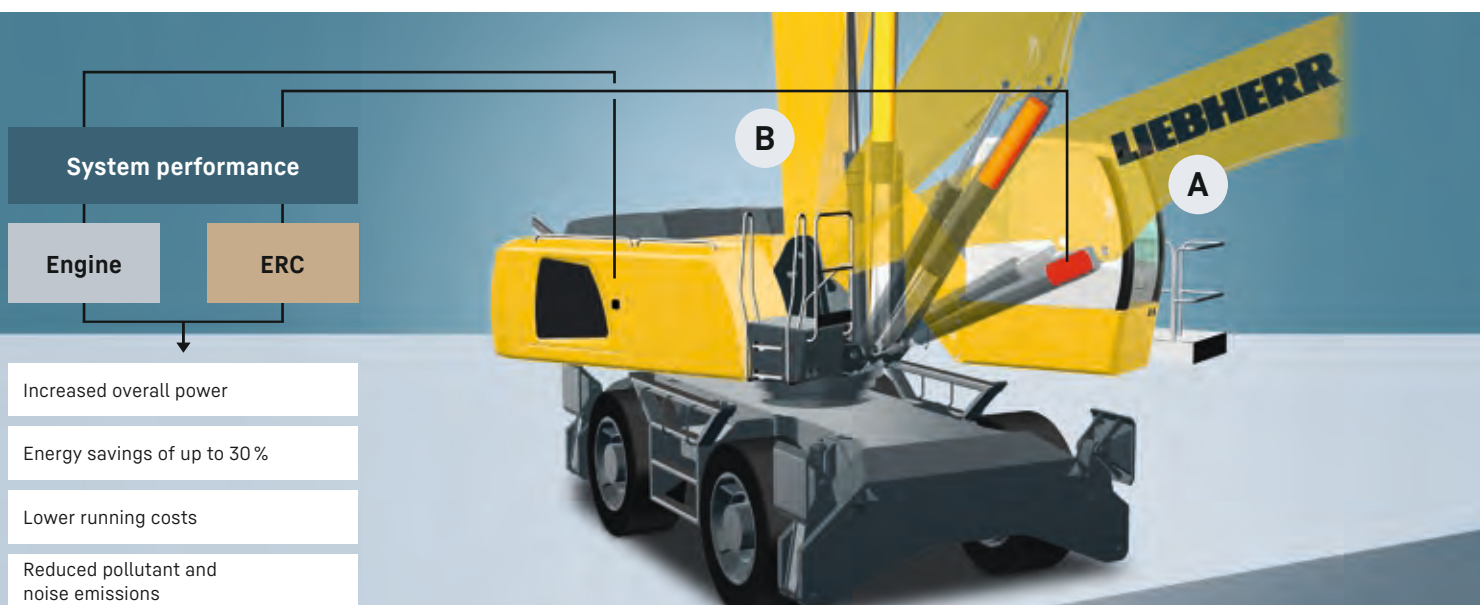
**B** 1. Equipment fitting raised / energy released



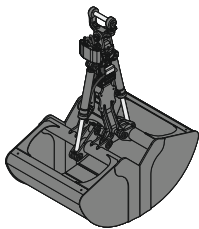
2. Lower equipment fitting / store energy  
4. Raise equipment fitting / release energy



**A** 3. Equipment fitting lowered / energy stored

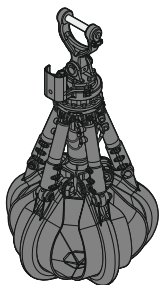


# Attachments



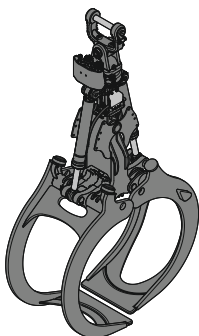
## Grab for loose material

Grab model GMZ 40		Standard				Wide						
Shell specification												
Width of shells	ft in	3'11"	4'11"	5'9"	6'3"	3'11"	4'11"	5'9"	6'7"	7'5"	8'2"	
Capacity	yd <sup>3</sup>	2.75	3.27	3.92	4.58	1.57	1.96	2.29	2.62	2.94	3.27	
Weight	lb	3,835	4,155	4,420	4,585	3,395	3,670	3,900	4,135	4,520	4,750	



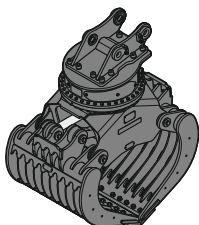
## Multi-tine grab

		open		semi-closed		closed, heart-shaped	
<b>Grab model GM 65 (5 tines)</b>							
Capacity	yd <sup>3</sup>	0.52	0.78	0.52	0.78	0.52	0.78
Weight	lb	2,590	2,890	2,975	3,285	3,010	3,540
<b>Grab model GM 69 (4 tines)</b>							
Capacity	yd <sup>3</sup>	1.05	1.44	1.05	1.44	1.05	1.44
Weight	lb	3,065	3,165	3,485	3,735	4,290	4,630
<b>Grab model GMM 50-5 (5 tines)</b>							
Capacity	yd <sup>3</sup>	0.92	1.18	1.44	0.92	1.18	1.44
Weight	lb	3,570	3,880	3,900	3,735	4,070	4,135



## Wood grab

Grab model GMH 40 – round overlapping (vertical cylinders)							
Size	yd <sup>2</sup>	1.20	1.55	1.79	2.03	2.27	
Cutting width	ft in	2'8"	2'8"	2'8"	2'8"	2'8"	
Height of grab, closed	ft in	8'5"	8'9"	8'11"	9'3"	9'6"	
Weight	lb	3,470	3,540	3,650	3,660	3,945	



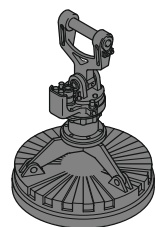
## Sorting grab

		ribbed		perforated		perforated		ribbed		perforated	
<b>Grab model SG 30B</b>											
Width of shells	ft in	3'3"	3'3"	3'11"	3'11"	4'7"	4'7"				
Capacity	yd <sup>3</sup>	0.98	1.11	1.18	1.31	1.37	1.50				
Max. closing force	lbf	17,985	17,985	17,985	17,985	17,985	17,985				
Weight incl. quick coupler mounting SWA 66	lb	4,145	3,935	4,345	4,070	4,555	4,200				



## Load hook

Max. load	lb	27,560
Height with suspension	ft in	3'1"
Weight	lb	300




## Magnet devices / lifting magnets


Generator	kW	13/20	13/20
<b>Electromagnet with suspension</b>			
Power	kW	8.8	10
Diameter of magnet	ft in	4'1"	4'5"
Weight	lb	2,890*	3,750*


\* only magnet plate




# Equipment

 <b>Undercarriage</b>	40 M	50 M	40 C	50 M HR	50 C HR
Support assistant	+	+		+	
Axles with increased traction (reduced speed)		+			
Trailer coupling	+	+			
Track pads, variants			+		+
Individual control outriggers	+	+		•	
Three-piece chain guide			+		•
Shuttle axle lock, automatic	•	•		•	
Outrigger monitoring system	+	+		+	
Tires, variants	+	+		+	
Trailing cable <sup>2)</sup>	•		•		
Protection for piston rods, outriggers	+	+		+	
Two storage compartments <sup>1)</sup>	•	•			
One storage compartment <sup>2)</sup>	•				
Cable reel system <sup>2)</sup>	+				

 <b>Uppercarriage</b>	40 M	50 M	40 C	50 M HR	50 C HR
Uppercarriage right side light, 1 piece, LED	•	•	•	•	•
Uppercarriage rear light, 2 pieces, LED	+	+	+		
Uppercarriage underneath rear light, 1 piece, LED				+	+
Tank refilling pump fuel <sup>1)</sup>	+	+	+	+	+
Railing on uppercarriage	+	+	+	•	•
Generator	+	+	+	+	+
Main battery switch for electrical system	•	•	•	•	•
Amber beacon, at uppercarriage, LED double flash	+	+	+	+	+
Protection for headlights	+	+	+		
Protection for rear lights	+	+	+		
Tool equipment, extended	•	•	•	•	•

 <b>Hydraulic system</b>	40 M	50 M	40 C	50 M HR	50 C HR
Electronic pump regulation	•	•	•	•	•
Liebherr hydraulic oil from -4°F to +104°F	•	•	•	•	•
Liebherr hydraulic oil, biologically degradable	+	+	+	+	+
Liebherr hydraulic oil, specially for warm or cold regions	+	+	+	+	+
Magnetic rod in hydraulic tank	•	•	•	•	•
Bypass filter	+	+	+	+	+
Preheating hydraulic oil	+	+	+	+	+

 <b>Engine</b>	40 M	50 M	40 C	50 M HR	50 C HR
Fuel anti-theft device <sup>1)</sup>	+	+	+	+	+
Air pre-filter with dust discharge <sup>1)</sup>	+	+	+	+	+
Automatic engine shut-down (time adjustable)	+	+	+	+	+
Preheating fuel <sup>1)</sup>	+	+	+	+	+
Preheating coolant <sup>1)</sup>	+	+	+	+	+
Preheating engine oil <sup>*1)</sup>	+	+	+	+	+

 <b>Cooling system</b>	40 M	50 M	40 C	50 M HR	50 C HR
Reversible fan drive	+	+	+	+	+
Protective grid in front of cooler intake	•	•	•	•	•



### Cab

	40 M	50 M	40 C	50 M HR	50 C HR
Stabilizer, control lever, left console	+	+		+	
Stabilizer, proportional control on left joystick	●	●		●	
Cab lights rear, halogen	+	+	+	+	+
Cab lights rear, LED	+	+	+	+	+
Cab lights front, halogen	+	+	+	+	+
Cab lights front, halogen (under rain cover)	●	●	●	●	●
Cab lights front, LED	+	+	+	+	+
Cab lights front, LED (under rain cover)	+	+	+	+	+
Armrest adjustable	●	●	●	●	●
Circular bubble level	+	+	+		●
Slewing gear brake Comfort, button on the left or right joystick	+	+	+	+	+
Driver profile, personalized (max. 5 drivers)	+	+	+	+	+
Operator's seat Comfort	●	●	●	●	●
Operator's seat Premium	+	+	+	+	+
Driving alarm (acoustic signal is emitted during travel, can be switched ON / OFF)	+	+	+	+	+
Fire extinguisher	+	+	+	+	+
Footrest	+	+	+	+	+
Horn, button on left joystick	●	●	●	●	●
Joystick steering (max. 7.5 mph)	●	●		●	
Joystick and wheel steering (slim version)	+	+		+	
Cab elevation, hydraulic (LHC)	●	●	●	●	●
Cab elevation, hydraulic with tilt function (LHC)	+	+	+		
Cab elevation, rigid (LFC)	+	+	+		
Automatic air conditioning	●	●	●	●	●
Wheel steering (slim version)	+	+		+	
LiDAT, vehicle fleet management	●	●	●	●	●
Engine shut-down (emergency stop) cab <sup>2)</sup>	●	●	●	●	●
Proportional control	●	●	●	●	●
Radio Comfort, control via display with handsfree set	+	+	+	+	+
Preparation for radio installation	●	●	●	●	●
Back-up alarm (acoustic signal is emitted traveling backward, can not be switched off)	+	+		+	
Amber beacon, on cab, LED double flash	+	+	+	+	+
Windows made from impact-resistant laminated safety glass	+	+	+	●	●
Windscreen wiper, roof	+	+	+	+	+
Windshield wiper, entire windshield	●	●	●	●	●
FOPS top guard	+	+	+	+	+
FGPS front guard, tiltable	+	+	+	+	+
Sun visor	+	+	+	+	+
Stationary air-conditioning <sup>2)</sup>	●	●	●	●	●
Left control console, folding	●	●	●	●	●



### Equipment

	40 M	50 M	40 C	50 M HR	50 C HR
Boom lights, 2 pieces, halogen	●	●	●	●	●
Boom lights, 2 pieces, LED	+	+	+	+	+
Stick lights, 2 pieces, halogen	●	●	●	●	●
Stick lights, 2 pieces, LED	+	+	+	+	+
Boom shutoff (retract / extend), electronically	+	+	+	+	+
Equipment with electro-hydraulic end position control	●	●	●	●	●
AutoLift	+	+	+	+	+
Pressure warning mechanism hoist cylinder	●	●	●	●	●
ERC system	●	●	●	●	●
Filter system for attachment	+	+	+	+	+
Electronic lift limitation	+	+	+	+	+
Boom cylinder cushioning	●	●	●	●	●
Stick camera (with separate monitor), bottom side, with protection	+	+	+	+	+
Load torque limitation	+	+	+	+	+
Liebherr multi coupling system	+	+	+	+	+
Liebherr quick coupler, hydraulic	+	+	+		
Pipe fracture safety valves hoist cylinders	●	●	●	●	●
Pipe fracture safety valves stick cylinders	●	●	●	●	●
Quick coupling system Solidlink	+	+	+		
Quick coupling system MH 40B	+	+	+	+	+
Protection for piston rod, energy recovering cylinder	+	+	+	+	+
Protection for piston rods, hoist cylinder	+	+	+	+	+
Protection for piston rods, stick cylinder	+	+	+		
Stick shutoff (retract), electronically	●	●	●	●	●
Stick shutoff (retract / extend), electronically	+	+	+	+	+
Retract stick without pressure	●	●	●	●	●
Sticks with quick coupling	+	+	+	+	+
Overload warning device	+	+	+	+	+



### Complete machine

	40 M	50 M	40 C	50 M HR	50 C HR
<b>Lubrication</b>					
Lubrication undercarriage, manually - decentralized (grease points)	●	●			
Lubrication undercarriage, manually - centralized (one grease point)	+	+		●	
Central lubrication system for uppercarriage and equipment, automatically	●	●	●	●	●
Central lubrication system for undercarriage, automatically	+	+		+	
Centralized lubrication extended for attachment	+	+	+	+	+
<b>Special coating</b>					
Special coating, variants	+	+	+	+	+
<b>Monitoring</b>					
Rear view monitoring with camera	●	●	●	●	●
Side view monitoring with camera	●	●	●	●	●

● = Standard, + = Option

\* = country-dependent, <sup>1)</sup> not with electric drive, <sup>2)</sup> only with electric drive

Options and /or special equipment, supplied by vendors other than Liebherr, are only to be installed with the knowledge and approval of Liebherr in order to retain warranty.

# The Liebherr Group



## Global and independent: more than 70 years of success

Liebherr was founded in 1949. With the development of the world's first mobile tower crane, Hans Liebherr laid the foundations of a successful family business which today comprises more than 140 companies on all continent and employs nearly 51,000 people. The parent company of the Group is Liebherr-International AG in Bulle (Switzerland), whose associates are exclusively members of the Liebherr family.

## Technology leadership and pioneering spirit

Liebherr regards itself as a pioneer. This spirit has enabled the company to make a decisive contribution to the technological history of many industries. Today, employees around the world still share the courage of the company founder to take new paths. They are all united by a passion for technology and fascinating products and the determination to perform outstanding work for their customers.

## Widely diversified product portfolio

Not only is Liebherr one of the biggest construction equipment manufacturers in the world, it also provides high-quality, user-oriented products and services in a wide range of other areas. The product portfolio includes the segments earthmoving, material handling technology, deep foundation machines, mining, mobile and crawler cranes, tower cranes, concrete technology, maritime cranes, aerospace and transportation systems, gear technology and automation systems, refrigeration and freezing, components and hotels.

## Customized solutions and maximum customer benefit

Liebherr solutions are characterized by maximum precision, outstanding implementation and exceptional longevity. Its mastery of key technologies enables the company to offer its customers customized solutions. For Liebherr, customer focus does not end with the product; it also encompasses a wide range of services that make a real difference.

[www.liebherr.us](http://www.liebherr.us)

## WARNING

Breathing diesel engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

- Always start and operate the engine in a well-ventilated area.
- If in an enclosed area, vent the exhaust to the outside.
- Do not modify or tamper with exhaust system.
- Do not idle the engine except as necessary.

For more information go to [www.P65warnings.ca.gov/diesel](http://www.P65warnings.ca.gov/diesel).

## WARNING

This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm.

For more information go to [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov).

## Liebherr USA, Co.

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