Material Handling Machines

LH 40 Industry LH 50 Industry

Litronic® Litronic®

Operating Weight:
36,400 – 54,900 kg

Engine:
155 kW / 211 HP

Stage IV
Stage IIIA

System Performance:
220 / 245 kW

LIEBHERR

Performance

Power plus speed –
Redefined performance

LH 40 M Litronic Industry

Operating Weight:
36,400 – 38,700 kg*

Engine:
155 kW / 211 HP
Stage IV
Stage IIIA

System Performance:
220 kW

LH 50 M Litronic Industry

Operating Weight:
40,000 – 43,500 kg*

Engine:
155 kW / 211 HP
Stage IV
Stage IIIA

System Performance:
245 kW

LH 40 C Litronic Industry

Operating Weight:
37,600 – 40,900 kg*

Engine:
155 kW / 211 HP
Stage IV
Stage IIIA

System Performance:
220 kW

LH 50 M High Rise Industry Litronic

Operating Weight:
46,400 – 46,900 kg*

Engine:
155 kW / 211 HP
Stage IV
Stage IIIA

System Performance:
245 kW

LH 50 C High Rise Industry Litronic

Operating Weight:
53,300 – 54,900 kg*

Engine:
155 kW / 211 HP
Stage IV
Stage IIIA

System Performance:
245 kW

* Without working tool

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

Performance

Power plus speed – Redefined performance

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

Maximum Handling Capacity

Increased Engine Output
Engine output has been increased from 140 kW to 155 kW compared to the predecessor models, giving the system more torque for more powerful and faster movement. Furthermore, load peaks are compensated cleverly, meaning maximum 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
The energy saved by lowering of the attachment in the ERC system is also available to the machine for the engine power, the resulting system performance for the material handling machines LH 40 and LH 50 is 220 kW respectively 245 kW. The result is more powerful, faster and more homogeneous operating cycles, which lead to increased handling capacity.

Precision Operation

LSC Hydraulic System with Electrical Pilot Control
The new 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 fuel 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 attachment 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 utilise 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 optimises the way forces are induced on components and minimised stress. Together with the elaborate support geometry, maximum stability and durability are guaranteed.

Liebherr Diesel Engine Compliant with Stage IV and IIIA
- 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 at stage IV

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 long-term

Liebherr material handling machines combine high productivity with excellent economy – all as standard. Liebherr manages to achieve this difficult goal through sophisticated engine technology from its own production and improved demand-controlled hydraulics.

Fuel Efficiency

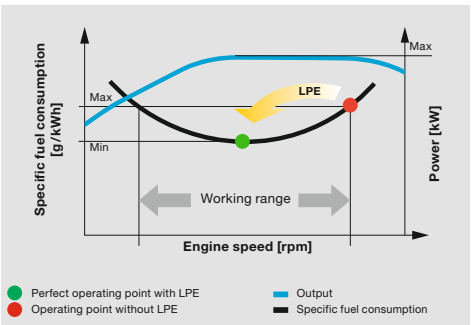
Engine Idling and Engine Shut-down
The standard automatic idling function reduces the engine speed to idle as soon as the operator takes his hand from the joystick so that no hydraulic function is activated. Proximity sensors in the joystick levers restore the original engine speed as soon as the operator's hand is moved towards the lever again. This ensures that the set engine speed is available immediately. The result is a combination of fuel 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.

Increased Productivity

Energy Recovery System ERC
The ERC system not only brings about an enormous increase in performance and a higher handling capacity, but it also generates fuel savings of up to 30 %, lower operating costs, as well as reduced pollutant and noise emissions.

Efficient Management
LiDAT, Liebherr's own data transmission and positioning system, facilitates efficient management, monitoring and control of the entire fleet park in terms of machinery data recording, data analysis, fleet park management and service. All of the important machinery data can be viewed at any time in a web browser. LiDAT offers you comprehensive work deployment documentation, greater availability thanks to shorter downtimes, faster support from the manufacturer, quicker detection of strain / overload and subsequently a longer service life of the machine as well as greater planning efficiency in your company. This service includes 1 year of use without charge as standard for the material handlers LH 40 and LH 50.



Low Fuel Consumption Thanks to Intelligent Machine Control
- Liebherr-Power Efficiency (LPE) optimises the interaction of the drive components in terms of efficiency
- LPE enables machine operation in the area of the lowest specific fuel use for less consumption and greater efficiency with the same performance

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

ERC System
- Increased total power
- Higher handling capacity
- Fuel savings of up to 30 %
- Lower running costs
- Reduced pollutant and noise emissions

Reliability

Durability and sustainability – Quality down to the last detail

Every day Liebherr material handlers show their qualities in a very wide 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 material handling machines 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 prevents the attachments 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 equipped optional with a working range limitation feature. Hereby all types of dimensions can be set: height, depth, width and proximity. Collisions and resulting component damage can thus be avoided.

Overload Warning Device and Load Torque Limitation
The acoustic 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 the product. For decades, Liebherr has been inspirational with its depth of production and system solutions. Key components such as the diesel engine, electronic components, slewing ring, swivelling drive and hydraulic cylinders are developed and produced by Liebherr itself. The great depth 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 itself. High-strength steel plates configured for the toughest of requirements result in high torsional stiffness and optimum absorption of forces induced for a longer service life.

Intelligent Self Diagnostics
The clever control electronics permanently monitor the vital functions of the machine to guarantee a high level of machine availability. Components which are critical for safety are designed with redundancy to guarantee maximum reliability.

QPDM – Quality and Process Data Management
- QPDM allows production data to be logged, documented and evaluated
- Automation of documentation and test specifications
- Ability to handle large quantities with maintain uniform high quality

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

Attachment
- 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 19 m

Comfort

Perfection at a glance – When technology is comfortable

The newly designed operator's work station sets new standards in comfort. The Liebherr deluxe cab is spacious, has an ergonomic design and is very quiet. This ensures that the operator remains intent and fully concentrated throughout the working day and enables him to deliver a constantly high performance.

Deluxe Cab

Ergonomic Design
The modern cab design provides excellent conditions for healthy, concentrated and productive work in maximum comfort. The colour touchscreen display, the controls and operator's seat Comfort 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-Round 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. The noise levels are just 71 dB(A) in the operator's cab and 103 dB(A) outside. This means that the material handlers LH 40 and LH 50 have low noise to preserve people and the environment.

Comfortable Operation

Proportional Control
Precision and fine control of the material handling machine are especially important in applications such as waste separation or scrap recycling. Thanks to the standard proportional control, even such demanding operations can be mastered in style.

Steering and Stabilizer on Joystick
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. Abandoning the steering wheel in favour of joystick steering provides additional legroom and a clear view of the working area. A new standard feature is the control of the outriggers with the joystick for more comfort and an increased productivity of the machine.

Colour Touchscreen Display and Operation Unit
The 7" colour 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.




Safe Access
- Foldable left arm console, as well as wide, non-slip steps, catwalks and platforms, and ergonomically positioned handles for an 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

Operator's Seat Comfort 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 enables versatile possibilities of control without having to encompass, for example steering, outriggers or working tools
- Joysticks – each with two buttons and a rocker switch – also increase the number of functions and thanks to the new design maximum reliability is guaranteed

Maintainability

Efficiency bonus – Even with maintenance and service

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

Elaborate Maintenance Concept

Service-Based Machine Design
The service-based machine design guarantees short servicing times, thus minimising maintenance costs due to the time it saves. All the maintenance points are easily accessible from the ground or on catwalks and platforms, and easy to reach due to the large, wide-opening service doors. The enhanced service concept places the maintenance points close to each other and reduces their number to a minimum. This means that service work can be completed even more quickly and efficiently.

Integral Maintenance Benefits
Completing maintenance work helps keep the machine fully functional. Maintenance work does, however, mean machine down times which must be minimised. With change intervals of 2,000 hours for engine oil and up to 8,000 hours for hydraulic oil Liebherr reduce the amount of maintenance significantly and increase the productivity of the material handlers. In addition, central lubrication systems assist to optimise the daily amount of maintenance.

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 specialists provide decision guidance for your specific requirements: application-oriented sales support, service agreements, value-priced repair alternatives, original parts management, as well as remote data transmission for machine planning and fleet management.

Lubrication as it Works
- Fully automatic central lubrication system for uppercarriage and attachment
- 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

Excellent Service Access
- Large, wide-opening service doors
- Engine oil, fuel, air and cab air filters are easily and safely accessible from the ground or on catwalks and platforms
- The oil level in the hydraulic tank can be checked from the cab
- Short service times for more productivity

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

Attachment

- High load capacities and long reaches thanks to optimised kinematic properties and robust construction for greater handling performance
- Energy recovery cylinder filled with nitrogen for maximum efficiency through less fuel 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 working tools made by Liebherr for maximum machine capacity utilisation 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 as standard with 4-way minijoystick for greater precision, highprecision control and functions

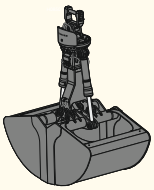
Uppercarriage

- 2-circuit Liebherr-Synchron-Comfort-system (LSC) with LUDV technology for faster working speed at up to 20 % less fuel 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 attachment
- Reduction in operating costs thanks to built-in maintenance advantages and optimum service accessibility

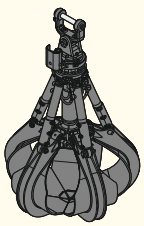
Undercarriage

- Optimised hydraulics with closed slewing mechanism circuit for greater fuel 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
- Fewer downtimes thanks to maintenance-free support cylinders

The Perfect Solution for Every Application

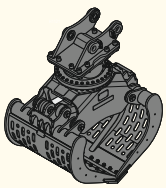


Shells for loose material

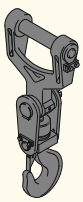


Multi-tine grab

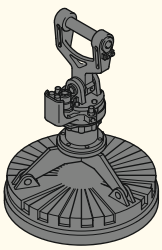
Wood grab



Sorting grab

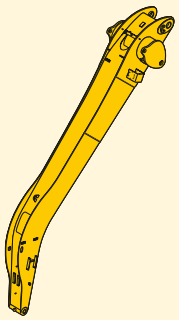


Load hook

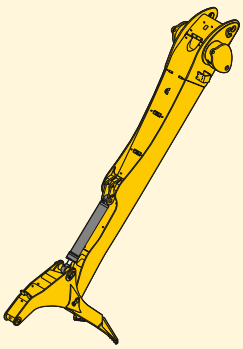


Magnet devices

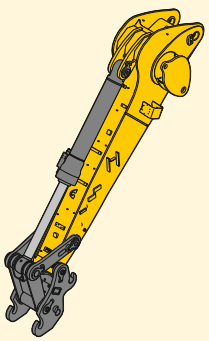
Working Tools



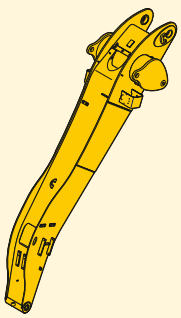
Angled stick



Stick with counterstay

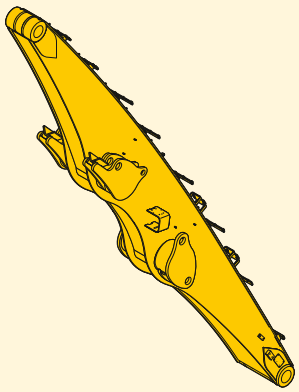


Stick for scrap shear

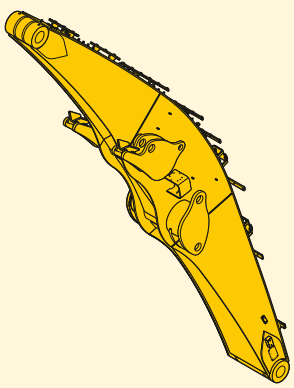


Flat angled stick

Sticks



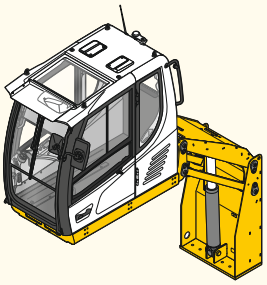
Straight boom



Angled boom

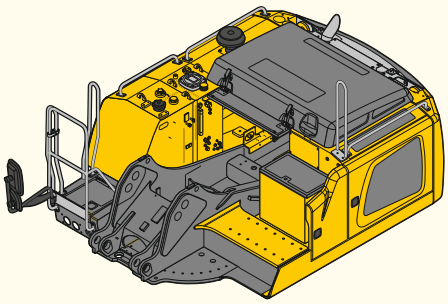
Booms

Cab Elevations



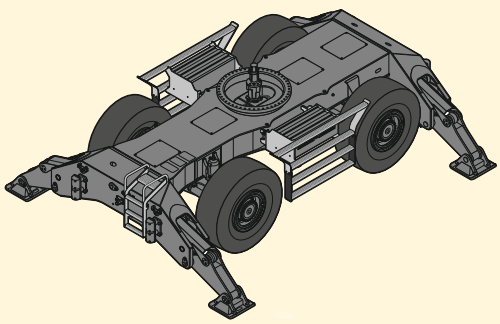
Hydraulic cab elevation

Rigid cab elevation

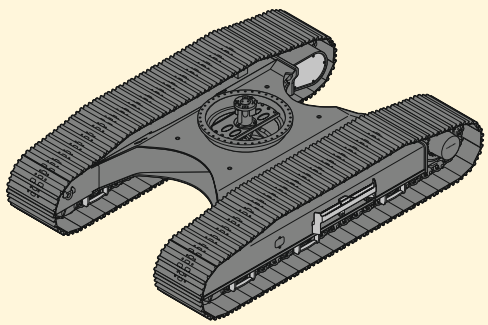


Uppercarriage

Turret Elevations



Mobile



Crawler

Undercarriage

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 when loading waste wood

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

Technical Data

Diesel Engine

Rating per ISO 9249	155 kW (211 HP) at 1,800 RPM
Model	Liebherr D934
Type	4 cylinder in-line
Bore / Stroke	122 / 150 mm
Displacement	7.0 l
Engine operation	4-stroke diesel Common-Rail turbo-charged and after-cooled reduced emissions
Air cleaner	dry-type air cleaner with pre-cleaner, primary and safety elements
Engine idling	sensor controlled
Electrical system	
Voltage	24 V
Batteries	2 x 180 Ah / 12 V
Alternator	three-phase current 28 V / 140 A
Stage IV	
Harmful emissions values	in accordance with 97/68/EG stage IV
Emission control	Liebherr-SCR technology
Fuel tank	460 l
Urea tank	65 l
Stage IIIA	
Harmful emissions values	in accordance with 97/68/EG stage IIIA
Fuel tank	460 l

Cooling System

Diesel engine	water-cooled compact cooling system consisting cooling unit for water, hydraulic oil and charge air with stepless thermostatically controlled fan

Hydraulic Controls

Power distribution	via control valves with integrated safety valves, simultaneous actuation of chassis and attachment. Swing drive in separate closed circuit
Servo circuit	
Attachment and swing	with electro-hydraulic pilot control and proportional joystick levers
Chassis	
Mobile	electroproportional via foot pedal
Crawler	with electric proportionally functioning foot pedals or adjusted with plugable levers
Additional functions	via switch or electroproportional foot pedals
Proportional control	proportionally acting transmitters on the joysticks for additional hydraulic functions

Hydraulic System

Hydraulic pump	
for attachment and travel drive	2 Liebherr axial piston variable displacement pumps (double construction)
Max. flow	2 x 237 l/min.
Max. pressure	350 bar
for swing drive	reversible axial piston variable displacement pump, closed-loop circuit
Max. flow	144 l/min.
Max. pressure	370 bar
Hydraulic pump regulation and control	2 circuit Liebherr-Synchron-Comfort-system (LSC) with electronic engine speed sensing regulation, pressure and flow compensation, automatic oil flow optimizer
Hydraulic tank	285 l
Hydraulic system	585 l
Hydraulic oil filter	1 main return filter with integrated partial micro filtration (5 µm)
MODE selection	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
Engine speed and performance setting	stepless alignment of engine output and hydraulic power via engine speed
Option	Tool Control: ten preadjustable pump flows and pressures for add on tools

Swing Drive

Drive	Liebherr axial piston motor in a closed system, Liebherr planetary reduction gear
Swing ring	Liebherr, sealed race ball bearing swing ring, internal teeth
Swing speed	0 – 7.5 RPM stepless 0 – 4,5 RPM stepless (High Rise)
Swing torque	84 kNm
Holding brake	wet multi-disc (spring applied, pressure released)
Option	pedal controlled positioning swing brake

Operator's Cab

Cab	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, sounddamping insulating, tinted laminated safety glass, separate shades for the sunroof window and windscreen
Operator's seat	
Comfort	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 climatisation with active coal
Option	
Premium	in addition to operator's seat comfort: active electronic weight adjustment (automatic readjustment), pneumatic low frequency suspension and active seat climatisation with active coal and ventilator
Control system	joysticks with arm consoles and swivel seat, folding left arm console
Operation and displays	large high-resolution operating unit, selfexplanatory, colour display with touchscreen, video-compatible, numerous setting, control and monitoring options, e.g. air conditioning control, fuel consumption, machine and tool parameters
Air-conditioning	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 out-side temperatures, sensors for solar radiation, inside and outside temperatures

Attachment

Type	high-strength steel plates at highlystressed points for the toughest requirements. Complex and stable mountings of attachment and cylinders
Hydraulic cylinders	Liebherr cylinders with special seal system as well as shock absorption
Energy recovering cylinder	Liebherr gas cylinder with special sealing and control system
Bearings	sealed, low maintenance

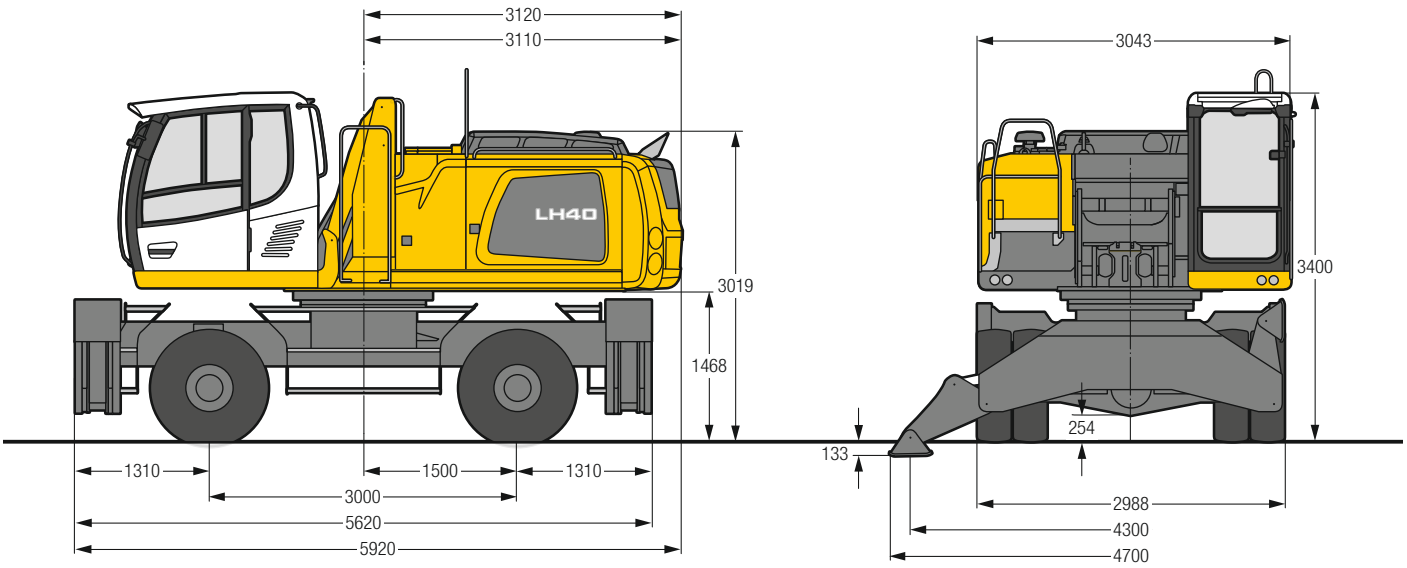
Undercarriage

Mobile	
Version	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	
Joystick steering	0 – 3.0 km/h stepless (creeper speed + transmission stage 1) 0 – 5.0 km/h stepless (transmission stage 1) 0 – 12.0 km/h stepless (creeper speed + transmission stage 2) 0 – 12.0 km/h stepless (transmission stage 2)
Option	
Wheel steering	0 – 3.0 km/h stepless (creeper speed + transmission stage 1) 0 – 5.0 km/h stepless (transmission stage 1) 0 – 12.0 km/h stepless (creeper speed + transmission stage 2) 0 – 20.0 km/h 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	60 t/70 t drive axles (LH 40 M/LH 50 M); manual or automatic hydraulically controlled front axle oscillation lock
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	blade, at the front, for 4 point outriggers (not for High Rise)
Crawler	
Versions	EW, High Rise
Drive	Liebherr compact planetary reduction gear with Liebherr axial piston motor per side of undercarriage
Travel speed	0 – 3.0 km/h stepless (creeper speed) 0 – 4.4 km/h stepless
High Rise	0 – 2.3 km/h stepless (creeper speed) 0 – 3.7 km/h stepless
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

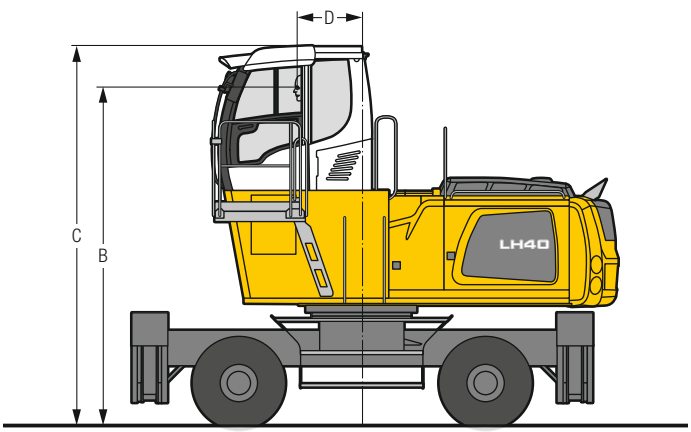
Lubrication	Liebherr central lubrication system for uppercarriage and attachment, automatically
Option	
Mobile	Liebherr central lubrication system for undercarriage, automatically
Steps system	safe and durable access system with anti-slip steps main components hot-galvanised
Noise emission	
ISO 6396	L_{pA} (inside cab) = 71 dB(A)
2000/14/EC	L_{WA} (surround noise) = 103 dB(A)

LH 40 M – Dimensions



LH 40 M – Choice of Cab Elevation

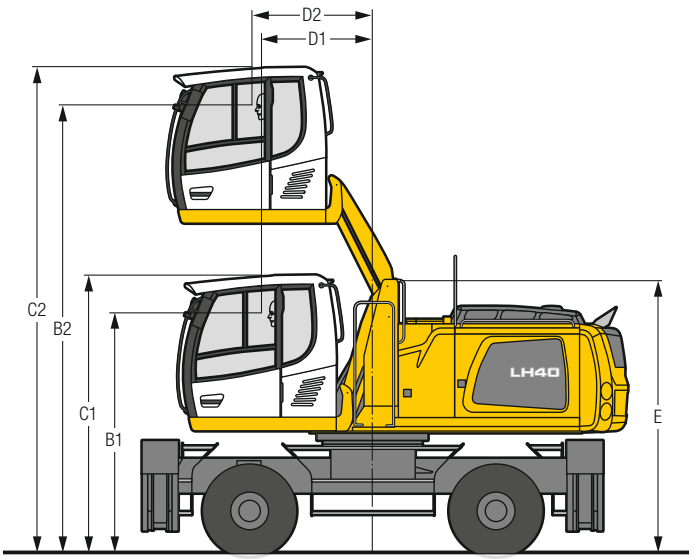
Cab Elevation LFC (Rigid Elevation)



Increase type	LFC 120
Height	1,200 mm
B	4,138 mm
C	4,641 mm
D	788 mm

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 3,745 mm.

Cab Elevation LHC (Hydraulic Elevation)

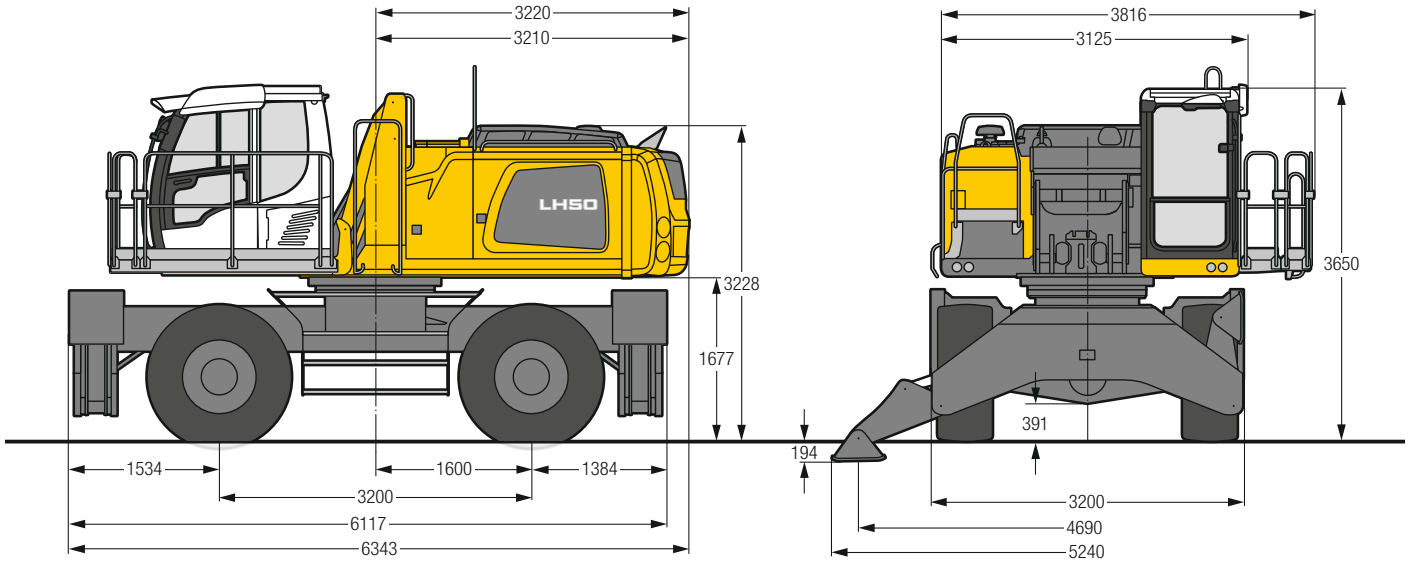


Increase type	LHC 255
B1	2,938 mm
B2	5,485 mm
C1	3,400 mm
C2	5,947 mm
D1	1,343 mm
D2	1,468 mm
E	3,343 mm

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

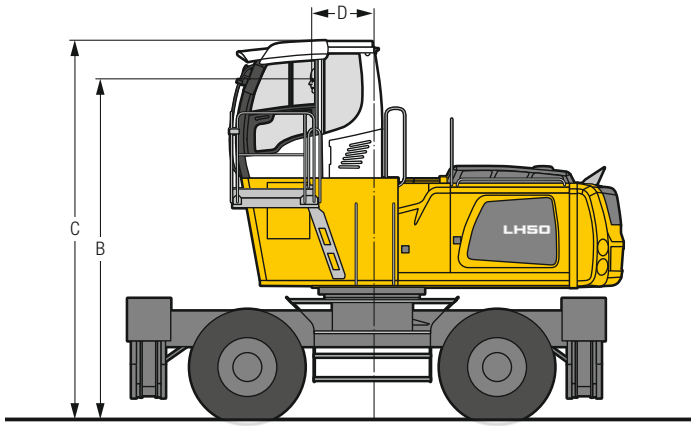
Tyres 12.00-20

LH 50 M – Dimensions



LH 50 M – Choice of Cab Elevation

Cab Elevation LFC (Rigid Elevation)

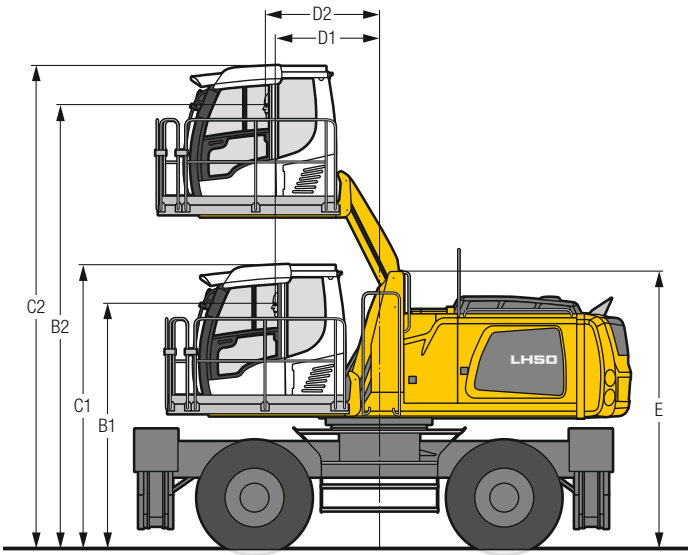


Increase type	LFC 120
Height	1,200 mm
B	4,347 mm
C	4,850 mm
D	788 mm

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 3,954 mm.

Tyres 16.00-25

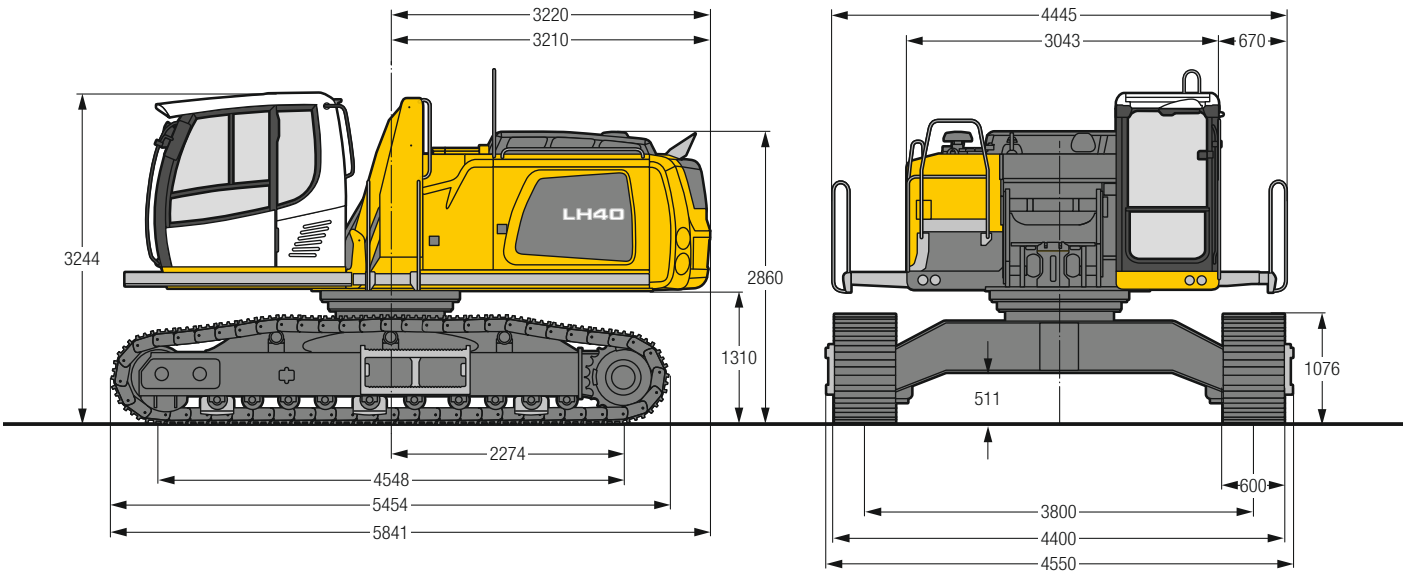
Cab Elevation LHC (Hydraulic Elevation)



Increase type		LHC 255	LHC 340-35
B1	mm	3,147	3,495
B2	mm	5,694	6,913
C1	mm	3,650	3,998
C2	mm	6,197	7,417
D1	mm	1,343	2,454
D2	mm	1,468	2,456
E	mm	3,552	3,942

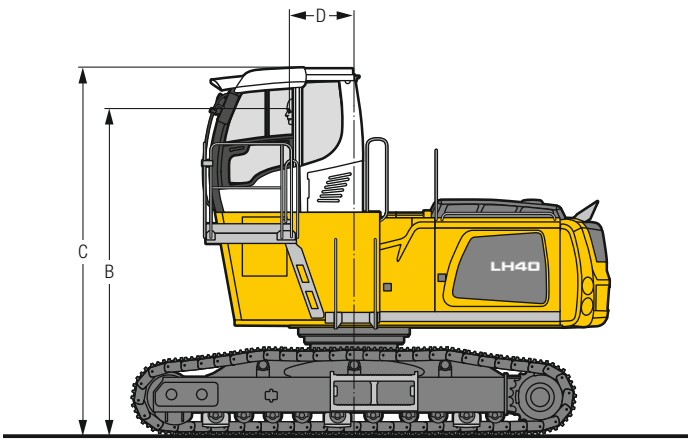
The hydraulically adjustable cab allows the driver, that he can choose his field of view freely and at any time within the stroke.

LH 40 C – Dimensions



LH 40 C – Choice of Cab Elevation

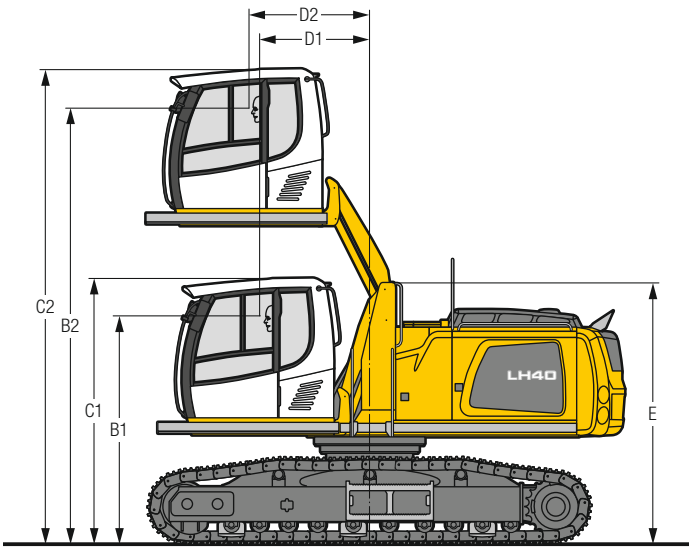
Cab Elevation LFC (Rigid Elevation)



Increase type	LFC 120
Height	1,200 mm
B	3,980 mm
C	4,483 mm
D	788 mm

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 3,587 mm.

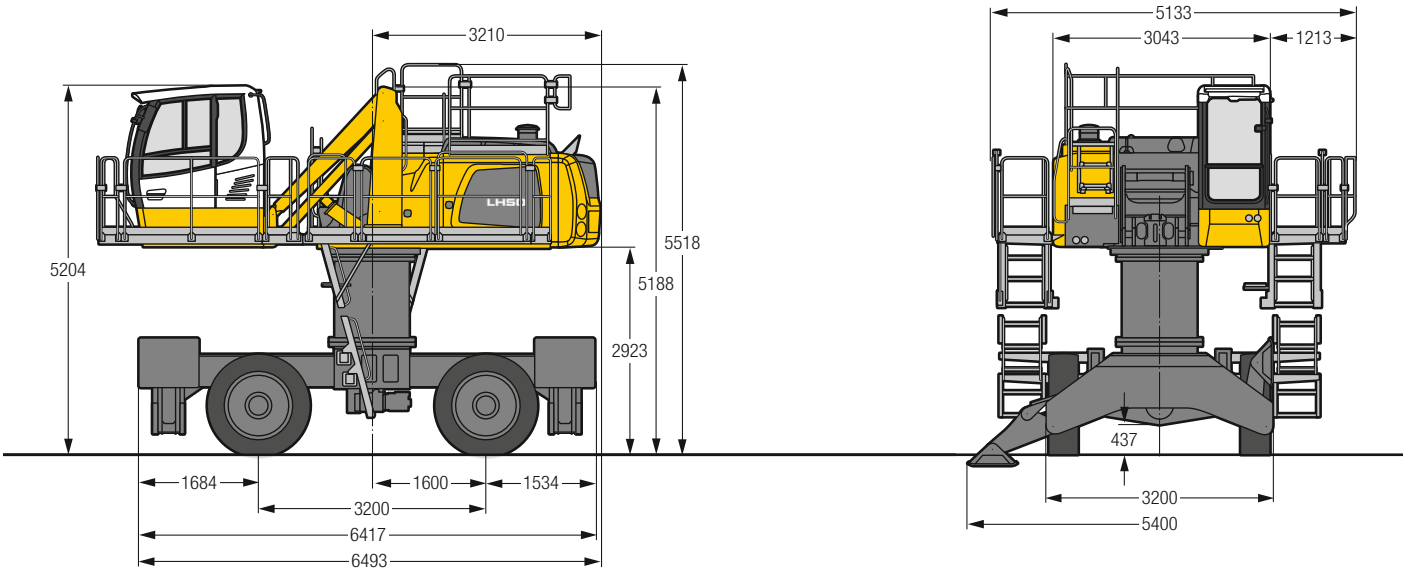
Cab Elevation LHC (Hydraulic Elevation)



Increase type	LHC 255
B1	2,779 mm
B2	5,326 mm
C1	3,244 mm
C2	5,791 mm
D1	1,343 mm
D2	1,468 mm
E	3,185 mm

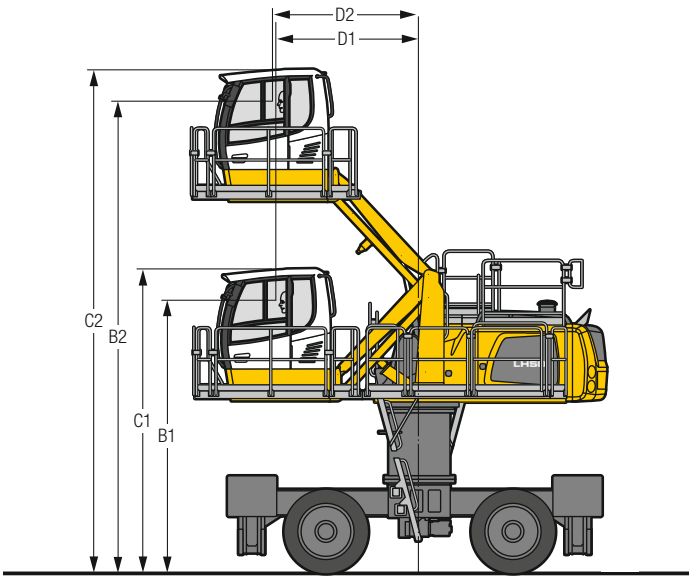
The hydraulically adjustable cab allows the driver, that he can choose his field of view freely and at any time within the stroke.

LH 50 M HR – Dimensions



LH 50 M HR – Cab Elevation

Cab Elevation LHC (Hydraulic Elevation)

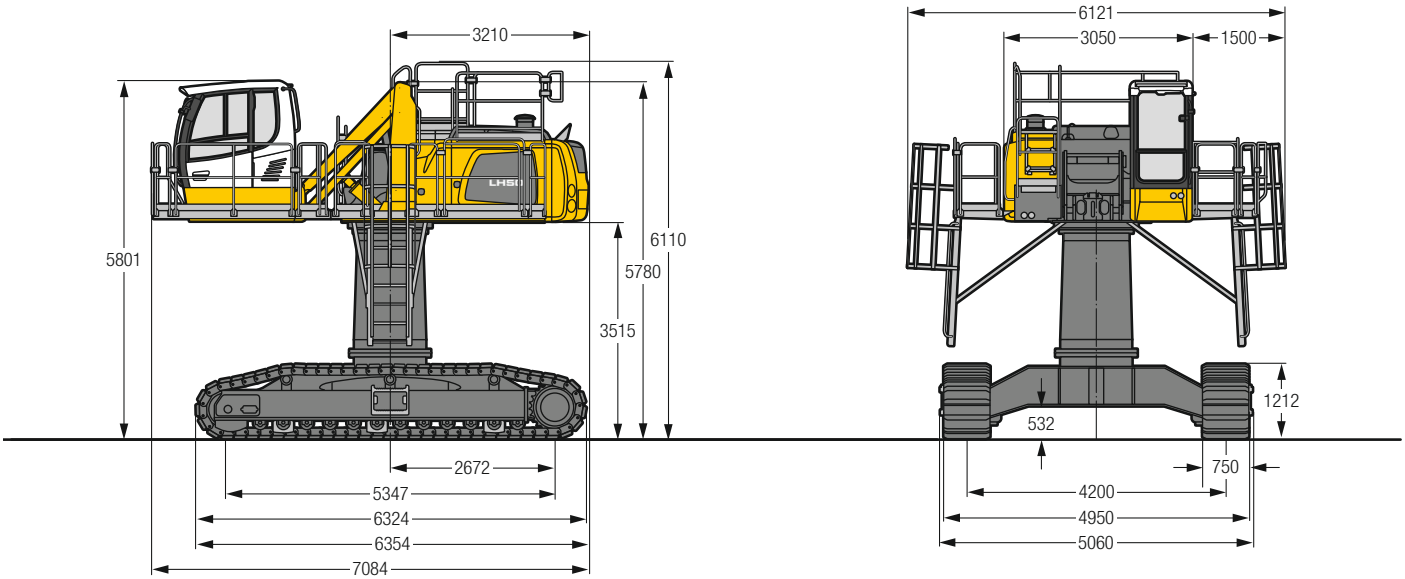


Increase type	LHC 340-35
B1	4,663 mm
B2	8,080 mm
C1	5,204 mm
C2	8,621 mm
D1	2,442 mm
D2	2,484 mm

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

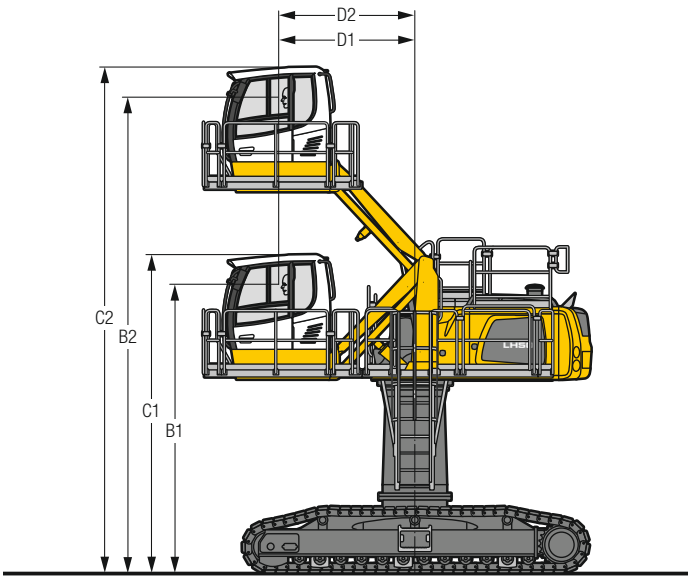
Tyres 16.00-25

LH 50 C HR – Dimensions



LH 50 C HR – Cab Elevation

Cab Elevation LHC (Hydraulic Elevation)

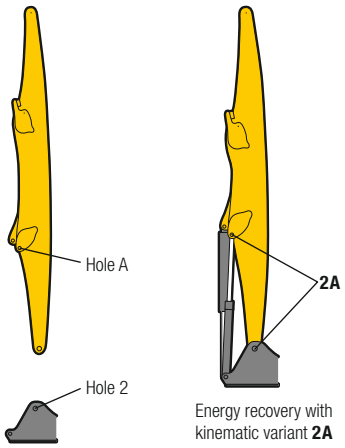


Increase type	LHC 340-35
B1	5,258 mm
B2	8,673 mm
C1	5,801 mm
C2	9,216 mm
D1	2,484 mm
D2	2,485 mm

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

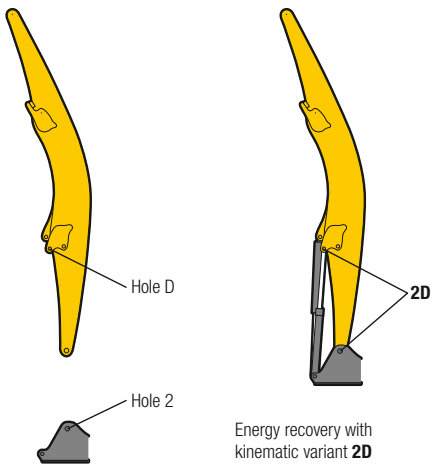
Kinematic Variants

Kinematic Variant 2A

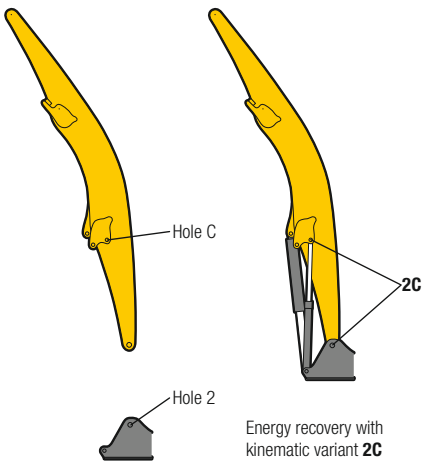


Energy recovery with kinematic variant **2A**

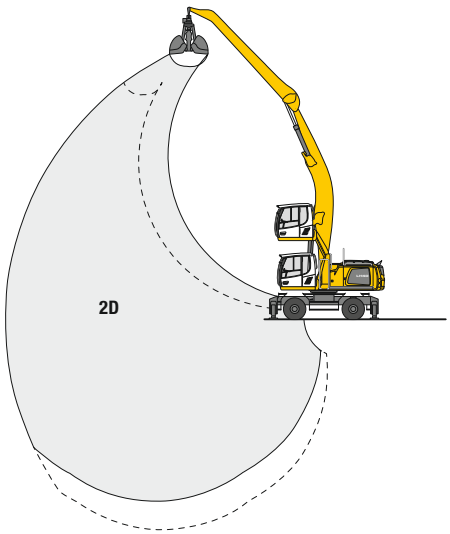
Kinematic Variant 2D / 2C

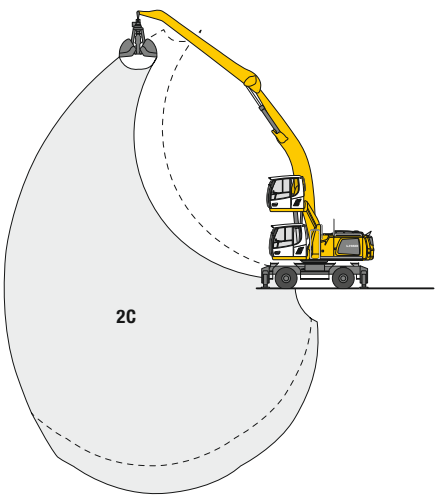


Energy recovery with kinematic variant **2D**



Energy recovery with kinematic variant **2C**

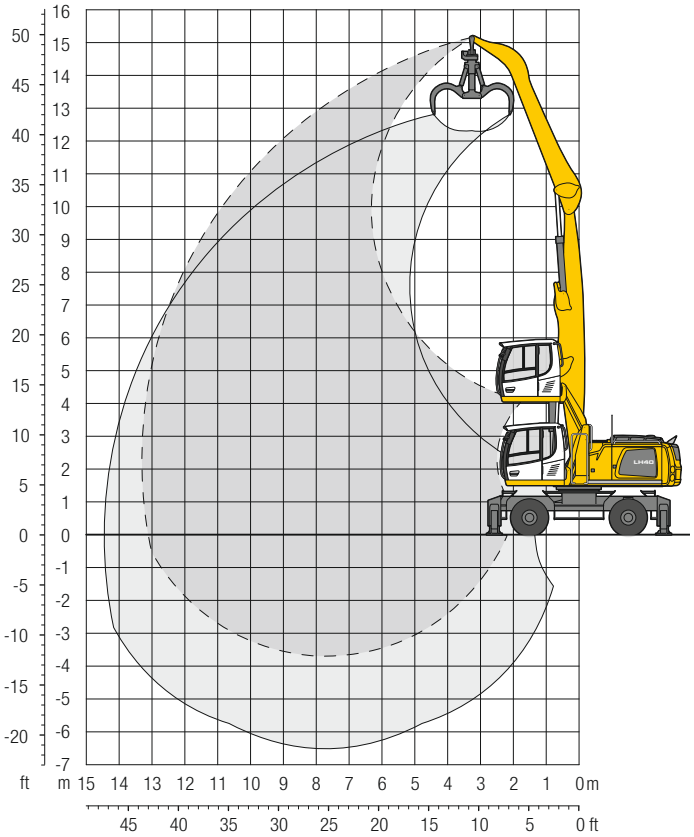




Altered range curve with additional reach depth, e.g. for unloading from ships

LH 40 M – Attachment GA13

Industry – Kinematic 2A

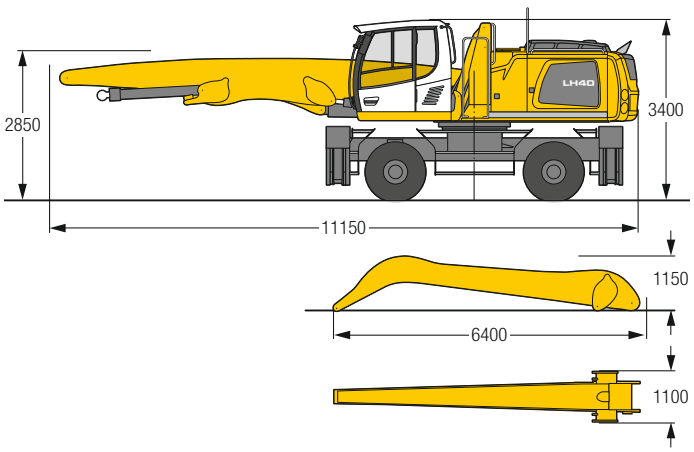


Operating Weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 8 solid tyres plus intermediate rings, straight boom 7.60 m, angled stick 6.00 m and grab model GM 70C/0.80 m³ semi-closed tines.

Weight	38,200 kg

Dimensions



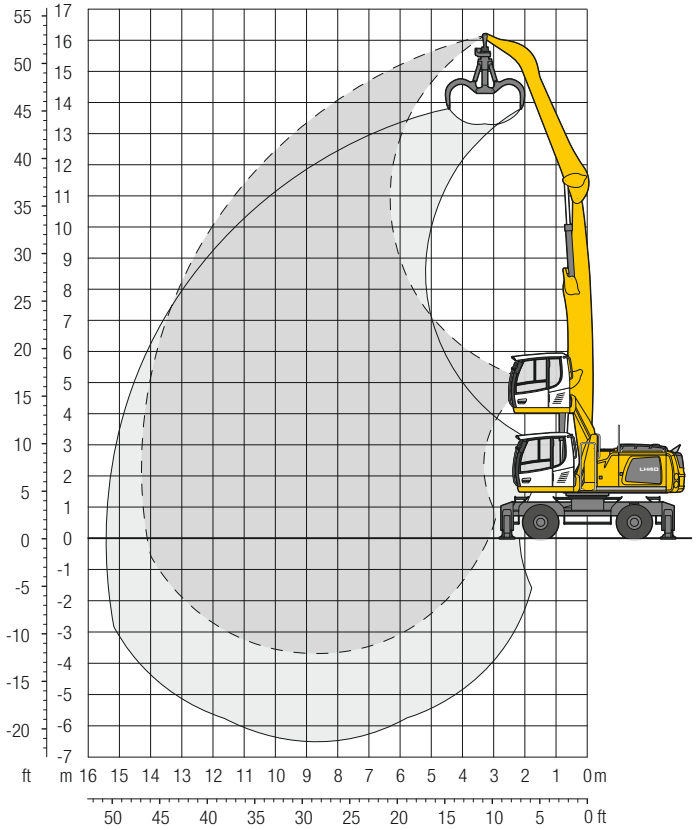
m	Undercarriage	4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		18.0 m				m
15.0	Stabilizers raised																					9.7*	9.7*	3.7
	4 pt. outriggers down																					9.7*	9.7*	
13.5	Stabilizers raised			8.8*	8.8*																	6.7*	6.7*	7.1
	4 pt. outriggers down			8.8*	8.8*																	6.7*	6.7*	
12.0	Stabilizers raised			9.6	9.8*	6.6	8.4	4.7	6.0*													4.6	5.8*	9.1
	4 pt. outriggers down			9.8*	9.8*	8.6*	8.6*	6.0*	6.0*													5.8*	5.8*	
10.5	Stabilizers raised					6.7	8.4*	4.9	6.3													3.6	4.7	10.5
	4 pt. outriggers down					8.4*	8.4*	7.5*	7.5*													5.3*	5.3*	
9.0	Stabilizers raised					6.7	8.3*	4.9	6.3	3.7	4.8											3.0	4.0	11.5
	4 pt. outriggers down					8.3*	8.3*	7.5*	7.5*	6.8*	6.8*											5.0*	5.0*	
7.5	Stabilizers raised			9.4	9.8*	6.6	8.4	4.8	6.2	3.7	4.7	2.8	3.7									2.7	3.5	12.3
	4 pt. outriggers down			9.8*	9.8*	8.5*	8.5*	7.6*	7.6*	6.8*	6.8*	5.8*	5.8*									4.9*	4.9*	
6.0	Stabilizers raised			9.0	10.4*	6.3	8.1	4.7	6.0	3.6	4.6	2.8	3.7									2.4	3.2	12.8
	4 pt. outriggers down			10.4*	10.4*	8.9*	8.9*	7.8*	7.8*	6.9*	6.9*	5.8	6.2*									4.8*	4.8*	
4.5	Stabilizers raised	13.0	14.3*	8.3	10.9	5.9	7.7	4.4	5.8	3.4	4.5	2.7	3.6									2.3	3.1	13.1
	4 pt. outriggers down	14.3*	14.3*	11.2*	11.2*	9.3*	9.3*	8.0*	8.0*	7.0*	7.0*	5.7	6.2*									4.8*	4.8*	
3.0	Stabilizers raised	11.4	15.5	7.5	10.0	5.5	7.2	4.2	5.5	3.3	4.3	2.6	3.5									2.2	2.9	13.3
	4 pt. outriggers down	16.1*	16.1*	12.1*	12.1*	9.8*	9.8*	8.2*	8.2*	6.9	7.1*	5.6	6.1*									4.8	4.9*	
1.5	Stabilizers raised	10.0	13.9	6.8	9.2	5.0	6.7	3.9	5.2	3.1	4.2	2.5	3.4									2.1	2.9	13.3
	4 pt. outriggers down	16.9*	16.9*	12.8*	12.8*	10.1*	10.1*	8.4*	8.4*	6.7	7.1*	5.5	6.0*									4.8	4.8*	
0	Stabilizers raised	9.1	9.5*	6.3	8.6	4.7	6.4	3.7	5.0	3.0	4.0	2.4	3.3									2.1	2.9	13.1
	4 pt. outriggers down	9.5*	9.5*	12.8*	12.8*	10.1*	10.1*	8.2	8.3*	6.6	6.9*	5.4	5.6*									4.3*	4.3*	
–1.5	Stabilizers raised	8.7	9.0*	6.0	8.3	4.5	6.1	3.5	4.8	2.9	3.9	2.4	3.3									2.3	3.2	12.4
	4 pt. outriggers down	9.0*	9.0*	12.0*	12.0*	9.6*	9.6*	7.8*	7.8*	6.3*	6.3*	4.8*	4.8*									4.4*	4.4*	
–3.0	Stabilizers raised			5.8	8.2	4.4	6.0	3.5	4.7	2.8	3.9											2.8	3.9	10.5
	4 pt. outriggers down			10.3*	10.3*	8.4*	8.4*	6.8*	6.8*	5.3*	5.3*											5.2*	5.2*	

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 metric tons (t) 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 working tools (grabs, load hooks, etc.) and load accommodation equipment 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.
In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

LH 40 M – Attachment GA14

Industry – Kinematic 2A

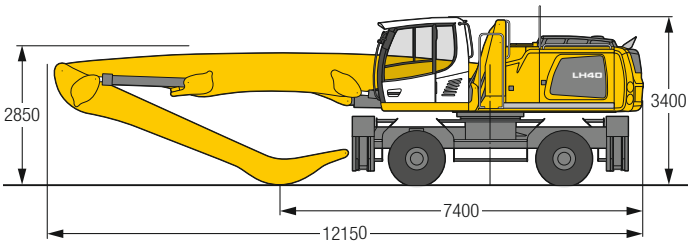


Operating Weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 8 solid tyres plus intermediate rings, straight boom 8.60 m, angled stick 6.00 m and grab model GM 70C/0.80 m³ semi-closed tines.

Weight	38,500 kg

Dimensions



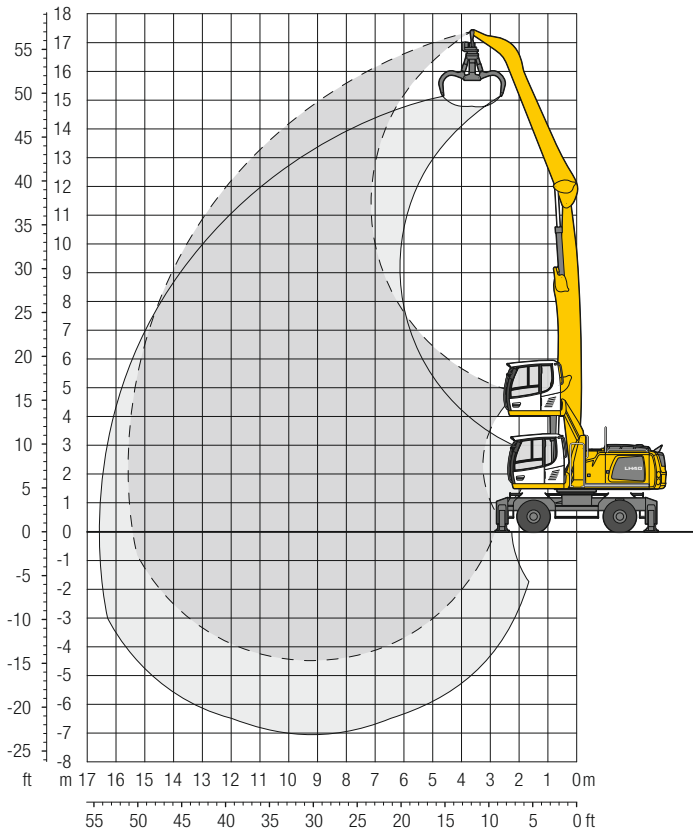
m	Undercarriage	4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		18.0 m				m
15.0	Stabilizers raised			8.2*	8.2*																	7.3*	7.3*	6.4
	4 pt. outriggers down			8.2*	8.2*																	7.3*	7.3*	
13.5	Stabilizers raised			9.5	9.8*	6.5	8.3															4.8	6.1*	8.8
	4 pt. outriggers down			9.8*	9.8*	8.4*	8.4*															6.1*	6.1*	
12.0	Stabilizers raised					6.7	8.2*	4.8	6.2													3.5	4.6	10.5
	4 pt. outriggers down					8.2*	8.2*	7.3*	7.3*													5.5*	5.5*	
10.5	Stabilizers raised					6.7	8.1*	4.9	6.3	3.6	4.7											2.9	3.8	11.7
	4 pt. outriggers down					8.1*	8.1*	7.2*	7.2*	6.5*	6.5*											5.1*	5.1*	
9.0	Stabilizers raised					6.6	8.2*	4.8	6.2	3.6	4.7	2.7	3.7									2.4	3.3	12.6
	4 pt. outriggers down					8.2*	8.2*	7.2*	7.2*	6.5*	6.5*	5.8	5.8*									4.9*	4.9*	
7.5	Stabilizers raised			9.2	10.0*	6.4	8.2	4.7	6.0	3.5	4.6	2.7	3.6									2.1	2.9	13.3
	4 pt. outriggers down			10.0*	10.0*	8.5*	8.5*	7.4*	7.4*	6.5*	6.5*	5.8	5.8*									4.8	4.8*	
6.0	Stabilizers raised	12.8*	12.8*	8.5	10.6*	6.0	7.8	4.4	5.8	3.4	4.5	2.6	3.5	2.1	2.8							1.9	2.7	13.8
	4 pt. outriggers down	12.8*	12.8*	10.6*	10.6*	8.8*	8.8*	7.6*	7.6*	6.6*	6.6*	5.7	5.9*	4.6	5.2*							4.5	4.8*	
4.5	Stabilizers raised	11.8	15.0*	7.7	10.2	5.5	7.3	4.1	5.5	3.2	4.3	2.5	3.4	2.0	2.8							1.8	2.5	14.1
	4 pt. outriggers down	15.0*	15.0*	11.4*	11.4*	9.2*	9.2*	7.8*	7.8*	6.7*	6.7*	5.6	5.9*	4.6	5.1*							4.2	4.7*	
3.0	Stabilizers raised	9.9	13.9	6.8	9.2	5.0	6.7	3.8	5.1	3.0	4.1	2.4	3.3	1.9	2.7							1.7	2.5	14.3
	4 pt. outriggers down	15.0*	15.0*	12.0*	12.0*	9.6*	9.6*	8.0*	8.0*	6.6	6.8*	5.4	5.9*	4.5	5.0*							4.1	4.4*	
1.5	Stabilizers raised	5.5*	5.5*	6.0	8.4	4.5	6.2	3.5	4.8	2.8	3.9	2.3	3.2	1.9	2.6							1.7	2.4	14.3
	4 pt. outriggers down	5.5*	5.5*	12.3*	12.3*	9.7*	9.7*	8.0*	8.0*	6.4	6.8*	5.3	5.8*	4.4	4.8*							4.1	4.1*	
0	Stabilizers raised	5.0*	5.0*	5.5	7.9	4.2	5.9	3.3	4.6	2.7	3.7	2.2	3.1	1.8	2.6							1.7	2.4	14.1
	4 pt. outriggers down	5.0*	5.0*	12.0*	12.0*	9.6*	9.6*	7.8	7.8*	6.2	6.6*	5.2	5.5*	4.4*	4.4*							3.7*	3.7*	
−1.5	Stabilizers raised	5.8*	5.8*	5.3	7.6	4.0	5.6	3.1	4.4	2.6	3.6	2.1	3.0									1.8	2.6	13.4
	4 pt. outriggers down	5.8*	5.8*	10.9*	10.9*	8.9*	8.9*	7.3*	7.3*	6.1*	6.1*	4.9*	4.9*									3.7*	3.7*	
−3.0	Stabilizers raised			5.2	7.5	3.9	5.5	3.1	4.4	2.5	3.6											2.2	3.2	11.5
	4 pt. outriggers down			9.0*	9.0*	7.7*	7.7*	6.4*	6.4*	5.2*	5.2*											4.4*	4.4*	

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 metric tons (t) 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 working tools (grabs, load hooks, etc.) and load accommodation equipment 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.
In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

LH 40 M – Attachment GA16

Industry – Kinematic 2A

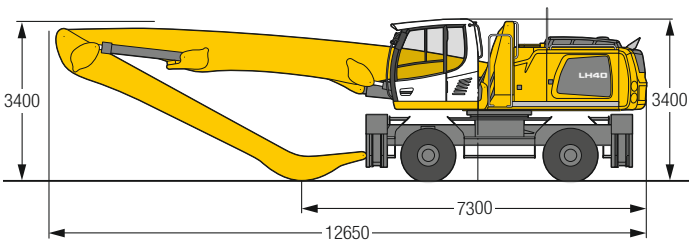


Operating Weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 8 solid tyres plus intermediate rings, straight boom 9.10 m, angled stick 6.80 m and grab model GM 65/0.60 m³ semi-closed tines.

Weight	38,500 kg

Dimensions



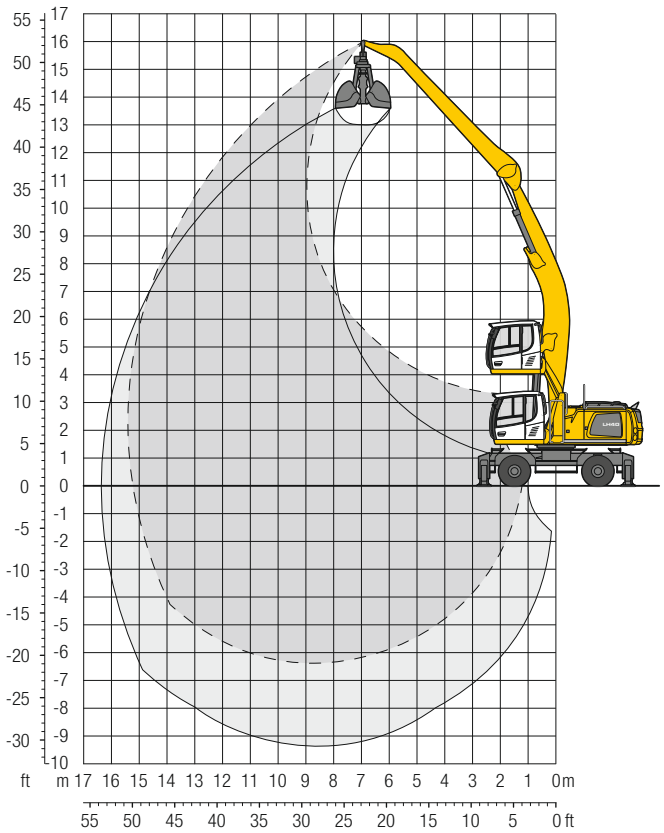
m	Undercarriage	4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		18.0 m			m
16.5	Stabilizers raised			7.4*	7.4*																	7.0*	7.0*	6.2
	4 pt. outriggers down			7.4*	7.4*																	7.0*	7.0*	
15.0	Stabilizers raised					6.6	7.6*															4.7	5.6*	8.9
	4 pt. outriggers down					7.6*	7.6*															5.6*	5.6*	
13.5	Stabilizers raised					7.0	7.9*	5.0	6.4	3.6	4.7											3.4	4.4	10.8
	4 pt. outriggers down					7.9*	7.9*	6.9*	6.9*	5.5*	5.5*											4.9*	4.9*	
12.0	Stabilizers raised					7.1	7.7*	5.1	6.5	3.8	4.9	2.8	3.7									2.7	3.6	12.2
	4 pt. outriggers down					7.7*	7.7*	6.8*	6.8*	6.1*	6.1*	5.0*	5.0*									4.6*	4.6*	
10.5	Stabilizers raised					7.0	7.7*	5.1	6.5	3.8	4.9	2.8	3.8									2.2	3.0	13.2
	4 pt. outriggers down					7.7*	7.7*	6.8*	6.8*	6.1*	6.1*	5.5*	5.5*									4.3*	4.3*	
9.0	Stabilizers raised					6.9	7.9*	5.0	6.4	3.7	4.8	2.8	3.8	2.1	2.9							1.9	2.6	14.0
	4 pt. outriggers down					7.9*	7.9*	6.9*	6.9*	6.1*	6.1*	5.5*	5.5*	4.7	5.0*							4.2*	4.2*	
7.5	Stabilizers raised			9.5	9.6*	6.6	8.1*	4.8	6.2	3.6	4.7	2.8	3.7	2.1	2.9							1.7	2.4	14.7
	4 pt. outriggers down			9.6*	9.6*	8.1*	8.1*	7.0*	7.0*	6.2*	6.2*	5.5*	5.5*	4.7	5.0*							4.0	4.1*	
6.0	Stabilizers raised	9.9*	9.9*	8.8	10.2*	6.1	7.9	4.5	5.9	3.4	4.5	2.6	3.5	2.0	2.8	1.6	2.2					1.5	2.2	15.1
	4 pt. outriggers down	9.9*	9.9*	10.2*	10.2*	8.4*	8.4*	7.2*	7.2*	6.3*	6.3*	5.6*	5.6*	4.6	5.0*	3.8	4.3*					3.8	4.1*	
4.5	Stabilizers raised	12.1	14.4*	7.8	10.3	5.5	7.3	4.1	5.5	3.2	4.3	2.5	3.4	1.9	2.7	1.5	2.2					1.4	2.1	15.4
	4 pt. outriggers down	14.4*	14.4*	10.9*	10.9*	8.8*	8.8*	7.4*	7.4*	6.4*	6.4*	5.5	5.6*	4.5	5.0*	3.8	4.3*					3.6	4.0*	
3.0	Stabilizers raised	10.0	14.0	6.8	9.2	4.9	6.7	3.7	5.1	2.9	4.0	2.3	3.2	1.8	2.6	1.5	2.1					1.3	2.0	15.6
	4 pt. outriggers down	15.7*	15.7*	11.6*	11.6*	9.2*	9.2*	7.6*	7.6*	6.5*	6.5*	5.3	5.6*	4.4	4.9*	3.7	4.2*					3.5	3.8*	
1.5	Stabilizers raised	5.0*	5.0*	5.8	8.2	4.4	6.1	3.4	4.7	2.7	3.7	2.1	3.0	1.7	2.5	1.4	2.1					1.3	2.0	15.6
	4 pt. outriggers down	5.0*	5.0*	11.9*	11.9*	9.4*	9.4*	7.7*	7.7*	6.3	6.5*	5.2	5.6*	4.3	4.8*	3.7	4.0*					3.5	3.5*	
0	Stabilizers raised	4.2*	4.2*	5.2	7.5	3.9	5.6	3.1	4.4	2.5	3.5	2.0	2.9	1.6	2.4	1.4	2.0					1.3	2.0	15.4
	4 pt. outriggers down	4.2*	4.2*	11.5*	11.5*	9.3*	9.3*	7.6	7.6*	6.1	6.4*	5.0	5.4*	4.2	4.6*	3.6*	3.6*					3.2*	3.2*	
−1.5	Stabilizers raised	4.7*	4.7*	4.8	7.1	3.6	5.3	2.9	4.2	2.3	3.4	1.9	2.8	1.6	2.4							1.4	2.1	14.8
	4 pt. outriggers down	4.7*	4.7*	9.7*	9.7*	8.8*	8.8*	7.2*	7.2*	5.9	6.1*	4.9	5.1*	4.1*	4.1*							3.1*	3.1*	
−3.0	Stabilizers raised			4.7	7.0	3.5	5.1	2.7	4.0	2.2	3.3	1.8	2.7									1.6	2.3	13.5
	4 pt. outriggers down			9.3*	9.3*	7.8*	7.8*	6.5*	6.5*	5.4*	5.4*	4.5*	4.5*									3.4*	3.4*	
−4.5	Stabilizers raised																							
	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 metric tons (t) 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 working tools (grabs, load hooks, etc.) and load accommodation equipment 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.
In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

LH 40 M – Attachment AF15

Industry – Kinematic 2D

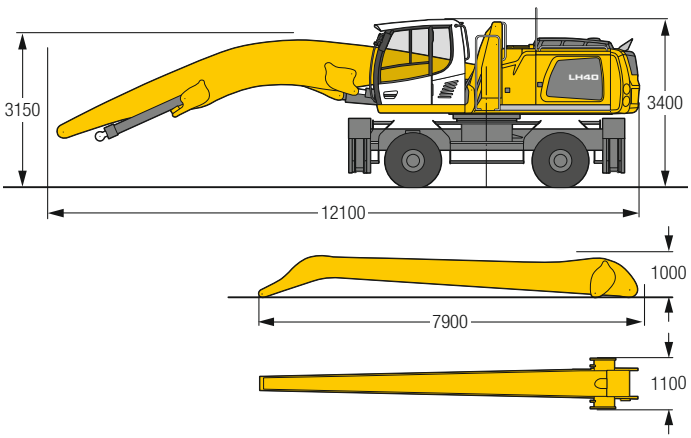


Operating Weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 8 solid tyres plus intermediate rings, angled boom 8.60 m, flat angled stick 7.50 m and grab model GM 20C/1.50 m³ shells for loose material.

Weight	39,100 kg

Dimensions



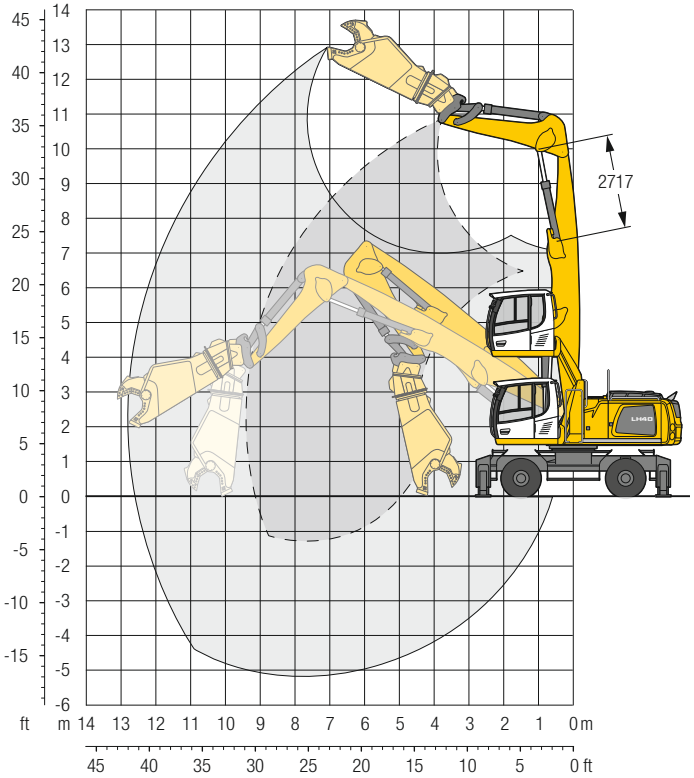
m	Undercarriage	4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		18.0 m			m
15.0	Stabilizers raised																					4.7*	4.7*	8.6
	4 pt. outriggers down																					4.7*	4.7*	
13.5	Stabilizers raised							5.4	5.9*													3.9	4.2*	10.5
	4 pt. outriggers down							5.9*	5.9*													4.2*	4.2*	
12.0	Stabilizers raised							5.5	5.7*	4.1	5.2											3.1	4.0*	11.9
	4 pt. outriggers down							5.7*	5.7*	5.3*	5.3*											4.0*	4.0*	
10.5	Stabilizers raised							5.5	5.7*	4.1	5.2*	3.1	4.0									2.5	3.4	13.0
	4 pt. outriggers down							5.7*	5.7*	5.2*	5.2*	4.9*	4.9*									3.8*	3.8*	
9.0	Stabilizers raised							5.5	5.8*	4.1	5.2	3.1	4.0	2.3	3.1							2.2	2.9	13.8
	4 pt. outriggers down							5.8*	5.8*	5.3*	5.3*	4.9*	4.9*	4.3*	4.3*							3.7*	3.7*	
7.5	Stabilizers raised							5.3	5.9*	4.0	5.1	3.0	3.9	2.3	3.1							1.9	2.6	14.5
	4 pt. outriggers down							5.9*	5.9*	5.4*	5.4*	4.9*	4.9*	4.5*	4.5*							3.7*	3.7*	
6.0	Stabilizers raised					6.8	7.0*	5.0	6.2*	3.8	4.9	2.9	3.8	2.2	3.0							1.7	2.4	14.9
	4 pt. outriggers down					7.0*	7.0*	6.2*	6.2*	5.5*	5.5*	5.0*	5.0*	4.6*	4.6*							3.7*	3.7*	
4.5	Stabilizers raised			9.0*	9.0*	6.3	7.5*	4.6	6.0	3.5	4.6	2.7	3.6	2.1	2.9	1.6	2.3					1.6	2.2	15.2
	4 pt. outriggers down			9.0*	9.0*	7.5*	7.5*	6.5*	6.5*	5.7*	5.7*	5.1*	5.1*	4.6*	4.6*	3.9	4.2*					3.8*	3.8*	
3.0	Stabilizers raised	12.1	13.1*	7.9	9.9*	5.6	7.4	4.2	5.6	3.2	4.3	2.5	3.4	2.0	2.8	1.6	2.2					1.5	2.1	15.3
	4 pt. outriggers down	13.1*	13.1*	9.9*	9.9*	8.0*	8.0*	6.8*	6.8*	5.9*	5.9*	5.2*	5.2*	4.6	4.7*	3.8	4.2*					3.7	3.9*	
1.5	Stabilizers raised	10.0	14.0	6.8	9.2	5.0	6.7	3.8	5.1	3.0	4.0	2.3	3.2	1.9	2.6	1.5	2.2					1.4	2.1	15.3
	4 pt. outriggers down	14.7*	14.7*	10.7*	10.7*	8.5*	8.5*	7.1*	7.1*	6.1*	6.1*	5.3*	5.3*	4.5	4.7*	3.8	4.1*					3.6	4.0*	
0	Stabilizers raised	8.4	9.0*	5.9	8.3	4.4	6.1	3.4	4.7	2.7	3.8	2.2	3.1	1.7	2.5	1.4	2.1					1.4	2.1	15.2
	4 pt. outriggers down	9.0*	9.0*	11.3*	11.3*	8.9*	8.9*	7.3*	7.3*	6.2*	6.2*	5.2	5.4*	4.3	4.7*	3.7	4.0*					3.6	3.9*	
−1.5	Stabilizers raised	7.5*	7.5*	5.2	7.6	3.9	5.6	3.1	4.4	2.5	3.5	2.0	2.9	1.6	2.4							1.4	2.1	14.9
	4 pt. outriggers down	7.5*	7.5*	11.4*	11.4*	9.0*	9.0*	7.4*	7.4*	6.1	6.2*	5.0	5.3*	4.2	4.5*							3.7	3.8*	
−3.0	Stabilizers raised	7.1	7.4*	4.9	7.2	3.7	5.3	2.9	4.2	2.3	3.4	1.9	2.8	1.6	2.4							1.4	2.2	14.4
	4 pt. outriggers down	7.4*	7.4*	11.0*	11.0*	8.8*	8.8*	7.2*	7.2*	5.9	6.0*	4.9	5.1*	4.2	4.2*							3.6*	3.6*	
−4.5	Stabilizers raised	7.0	7.9*	4.7	7.0	3.5	5.2	2.8	4.1	2.2	3.3	1.9	2.8	1.6	2.4							1.6	2.3	13.6
	4 pt. outriggers down	7.9*	7.9*	10.0*	10.0*	8.1*	8.1*	6.7*	6.7*	5.6*	5.6*	4.6*	4.6*	3.5*	3.5*							3.5*	3.5*	
−6.0	Stabilizers raised					3.5	5.2	2.7	4.0	2.2	3.3											2.1	3.1	11.0
	4 pt. outriggers down					7.0*	7.0*	5.8*	5.8*	4.7*	4.7*											4.4*	4.4*	

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 metric tons (t) 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 working tools (grabs, load hooks, etc.) and load accommodation equipment 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.
In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

LH 40 M – Attachment GS11

Industry – Kinematic 2A



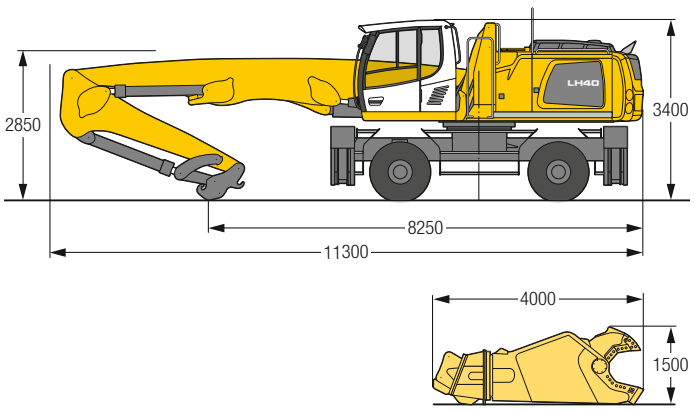
Operating Weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 8 solid tyres plus intermediate rings, straight boom 7.60 m, stick HD with tipping kinematics special 3.60 m, quick coupler SW66 and scrap shear Genesis GXT 445R.

Weight	43,100 kg

The stick cylinder must be limited to the measure of 2,717 mm.

Dimensions



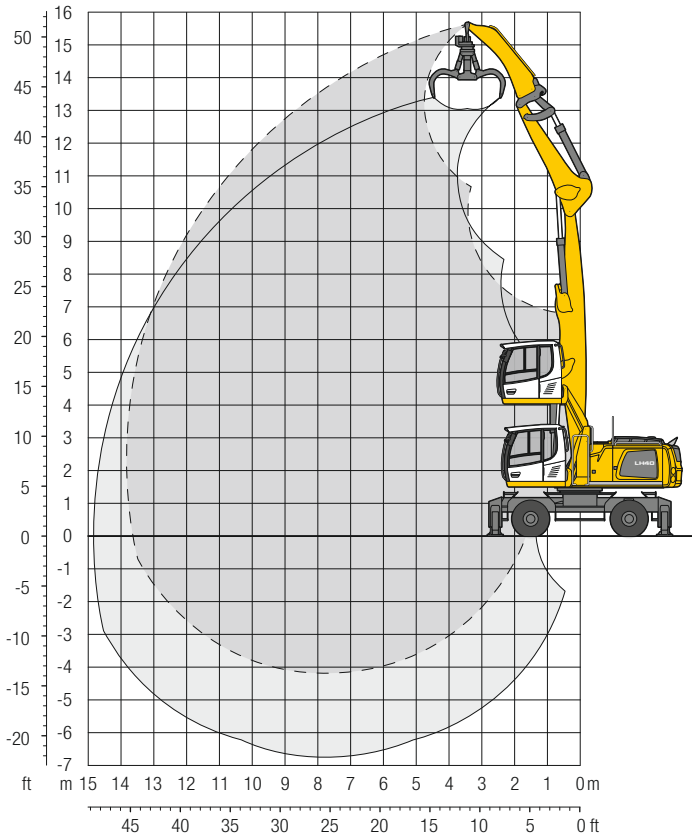
m	Undercarriage	4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		18.0 m				m
13.5	Stabilizers raised 4 pt. outriggers down																							
12.0	Stabilizers raised 4 pt. outriggers down					4.1* 4.1*	4.1* 4.1*															3.0 3.5*	3.5* 3.5*	8.3
10.5	Stabilizers raised 4 pt. outriggers down							2.1 2.9*	2.9* 2.9*													1.2 2.5*	2.5* 2.5*	9.8
9.0	Stabilizers raised 4 pt. outriggers down							2.1 2.9*	2.9* 2.9*	0.5 2.1*	1.7 2.1*											0.2 1.9*	1.3 1.9*	10.9
7.5	Stabilizers raised 4 pt. outriggers down					4.0* 4.0*	4.0* 4.0*	1.9 2.9*	2.9* 2.9*	0.4 2.1*	1.6 2.1*											– 1.5*	0.6 1.5*	11.7
6.0	Stabilizers raised 4 pt. outriggers down					3.7 4.1*	4.1* 4.1*	1.6 3.0*	3.0* 3.0*	0.2 2.1*	1.4 2.1*	– 1.4*	0.2 1.4*									– 1.3*	– 1.3*	12.2
4.5	Stabilizers raised 4 pt. outriggers down			3.9* 3.9*	3.9* 3.9*	3.0 4.3*	4.3* 4.3*	1.1 3.1*	2.6 3.1*	– 2.1*	1.1 2.1*	– 1.3*	0.0 1.3*									– 1.1*	– 1.1*	12.6
3.0	Stabilizers raised 4 pt. outriggers down	2.7* 2.7*	2.7* 2.7*	4.7 6.5*	6.5* 6.5*	2.1 4.5*	4.0 4.5*	0.6 3.1*	2.0 3.1*	– 2.1*	0.7 2.1*	– 1.3*	– 1.3*									– 0.9*	– 0.9*	12.8
1.5	Stabilizers raised 4 pt. outriggers down	6.5 10.4*	10.4* 10.4*	3.1 6.8*	5.6 6.8*	1.2 4.6*	3.0 4.6*	0.0 3.1*	1.4 3.1*	– 2.0*	0.3 2.0*	– 1.1*	– 1.1*									– 0.7*	– 0.7*	12.8
0	Stabilizers raised 4 pt. outriggers down	4.0 7.5*	7.5* 7.5*	1.8 6.7*	4.2 6.7*	0.4 4.5*	2.2 4.5*	– 3.0*	0.9 3.0*	– 1.8*	– 1.8*	– 0.9*	– 0.9*									– 0.5*	– 0.5*	12.6
–1.5	Stabilizers raised 4 pt. outriggers down	2.5 4.1*	4.1* 4.1*	0.8 6.1*	3.2 6.1*	– 4.0*	1.5 4.0*	– 2.6*	0.4 2.6*	– 1.4*	– 1.4*	– 0.4*	– 0.4*									– 0.3*	– 0.3*	12.2
–3.0	Stabilizers raised 4 pt. outriggers down	1.9 4.5*	4.5* 4.5*	0.3 4.9*	2.6 4.9*	– 3.2*	1.1 3.2*	– 1.9*	0.2 1.9*	– 0.7*	– 0.7*											– –	– –	11.6
–4.5	Stabilizers raised 4 pt. outriggers down			0.1 3.0*	2.4 3.0*	– 1.8*	0.9 1.8*	– 0.7*	– 0.7*	– –	– –											– –	– –	10.6

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 metric tons (t) 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 12 tons (t). Without working tool the lift capacity will increase by 5,000 kg and without quick coupler, tipping cylinder, lever and connection link by an additional 1,413 kg. Weights of fitted working tools (grabs, load hooks, etc.) and load accommodation equipment 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.
In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

LH 40 M – Attachment GSV14

Industry – Kinematic 2A

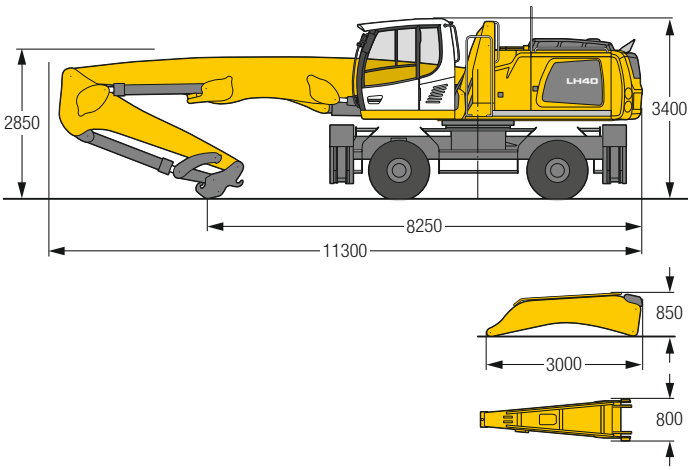


Operating Weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 8 solid tyres plus intermediate rings, straight boom 7.60 m, stick HD with tipping kinematics special 3.60 m, quick coupler SW66, stick extension 2.70 m and grab model GM 65/0.60 m³ semi-closed tines.

Weight	40,200 kg

Dimensions



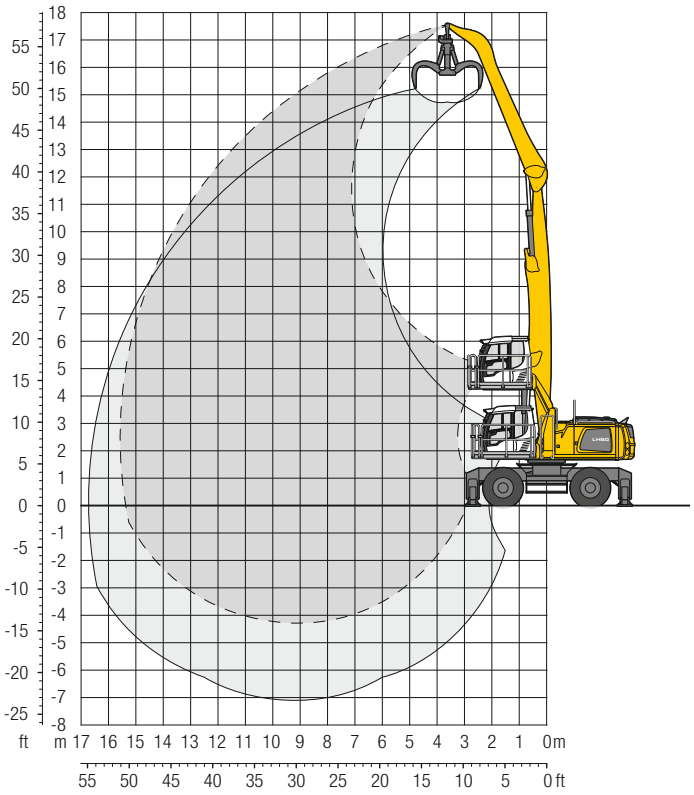
m	Undercarriage	4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		18.0 m				m
15.0	Stabilizers raised	8.5*	8.5*																			7.1*	7.1*	5.2
	4 pt. outriggers down	8.5*	8.5*																			7.1*	7.1*	
13.5	Stabilizers raised			8.2*	8.2*	5.7	6.3*															4.9	5.3*	8.0
	4 pt. outriggers down			8.2*	8.2*	6.3*	6.3*															5.3*	5.3*	
12.0	Stabilizers raised					6.1	7.3*	4.0	5.4													3.2	4.4	9.8
	4 pt. outriggers down					7.3*	7.3*	6.1*	6.1*													4.5*	4.5*	
10.5	Stabilizers raised					6.3	7.1*	4.2	5.6	2.8	3.9											2.3	3.3	11.1
	4 pt. outriggers down					7.1*	7.1*	6.2*	6.2*	5.5*	5.5*											4.1*	4.1*	
9.0	Stabilizers raised					6.2	7.1*	4.2	5.6	2.8	3.9	1.8	2.7									1.7	2.7	12.1
	4 pt. outriggers down					7.1*	7.1*	6.1*	6.1*	5.4*	5.4*	4.0*	4.0*									3.8*	3.8*	
7.5	Stabilizers raised					6.0	7.2*	4.0	5.4	2.7	3.8	1.8	2.7									1.4	2.2	12.8
	4 pt. outriggers down					7.2*	7.2*	6.2*	6.2*	5.4*	5.4*	4.8*	4.8*									3.7*	3.7*	
6.0	Stabilizers raised			8.5	8.9*	5.5	7.4	3.7	5.1	2.6	3.7	1.7	2.6									1.1	1.9	13.3
	4 pt. outriggers down			8.9*	8.9*	7.4*	7.4*	6.3*	6.3*	5.4*	5.4*	4.7*	4.7*									3.6*	3.6*	
4.5	Stabilizers raised	10.6*	10.6*	7.6	9.5*	5.0	6.8	3.4	4.8	2.3	3.4	1.6	2.5	1.0	1.8							1.0	1.7	13.6
	4 pt. outriggers down	10.6*	10.6*	9.5*	9.5*	7.7*	7.7*	6.4*	6.4*	5.5*	5.5*	4.7	4.7*	3.6	3.9*							3.6	3.6*	
3.0	Stabilizers raised	10.4	13.7*	6.4	8.9	4.3	6.1	3.0	4.3	2.1	3.2	1.4	2.3	0.9	1.7							0.9	1.6	13.8
	4 pt. outriggers down	13.7*	13.7*	10.1*	10.1*	8.0*	8.0*	6.6*	6.6*	5.5*	5.5*	4.5	4.7*	3.5	3.8*							3.4	3.5*	
1.5	Stabilizers raised	8.2	12.1	5.3	7.7	3.6	5.4	2.6	3.9	1.8	2.9	1.3	2.2	0.9	1.6							0.8	1.6	13.8
	4 pt. outriggers down	14.6*	14.6*	10.6*	10.6*	8.2*	8.2*	6.6*	6.6*	5.5	5.5*	4.3	4.5*	3.5*	3.5*							3.2*	3.2*	
0	Stabilizers raised	6.7	10.5	4.4	6.8	3.1	4.8	2.2	3.5	1.6	2.7	1.1	2.0	0.8	1.6							0.8	1.6	13.6
	4 pt. outriggers down	10.7*	10.7*	10.6*	10.6*	8.2*	8.2*	6.5*	6.5*	5.2	5.3*	4.2	4.2*	2.9*	2.9*							2.7*	2.7*	
−1.5	Stabilizers raised	6.0	8.9*	3.9	6.2	2.7	4.4	2.0	3.3	1.4	2.5	1.0	1.9									0.9	1.7	13.0
	4 pt. outriggers down	8.9*	8.9*	10.0*	10.0*	7.7*	7.7*	6.1*	6.1*	4.9*	4.9*	3.6*	3.6*									2.6*	2.6*	
−3.0	Stabilizers raised	5.7	9.3*	3.6	5.9	2.5	4.2	1.8	3.1	1.3	2.4											1.1	2.1	11.5
	4 pt. outriggers down	9.3*	9.3*	8.5*	8.5*	6.7*	6.7*	5.3*	5.3*	4.0*	4.0*											3.1*	3.1*	

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 metric tons (t) 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 working tools (grabs, load hooks, etc.) and load accommodation equipment 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.
In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

LH 50 M – Attachment GA16

Industry – Kinematic 2A

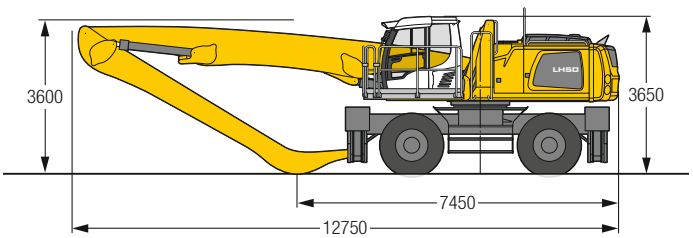


Operating Weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 4 solid tyres, straight boom 9.10 m, angled stick 6.80 m and grab model GM 70C/1.10 m³ semi-closed tines.

Weight	44,000 kg

Dimensions



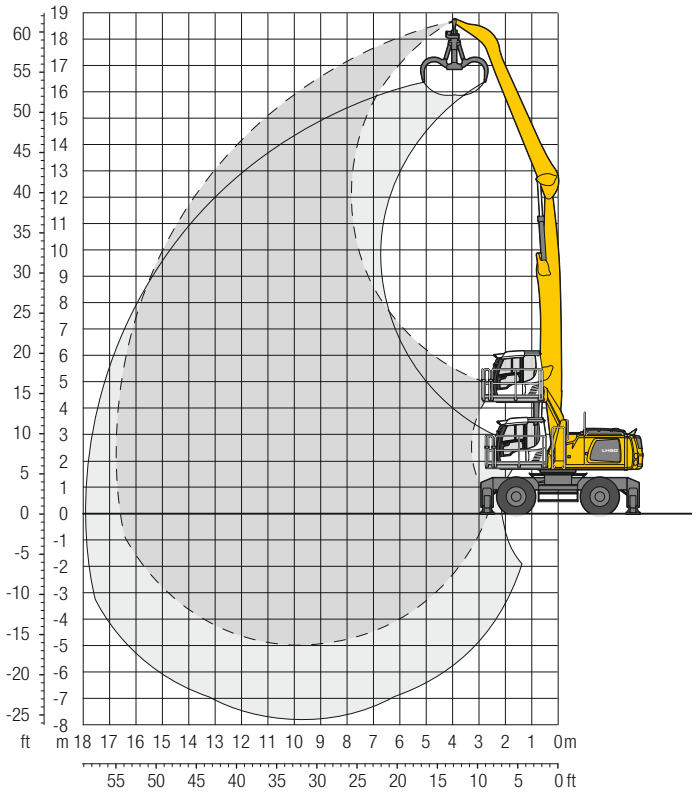
m	Undercarriage	4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		18.0 m				m
18.0	Stabilizers raised 4 pt. outriggers down																							
16.5	Stabilizers raised 4 pt. outriggers down			7.8* 7.8*	7.8* 7.8*																	6.6* 6.6*	6.6* 6.6*	6.8
15.0	Stabilizers raised 4 pt. outriggers down					7.8* 7.8*	7.8* 7.8*	6.0 6.0*	6.0* 6.0*													5.4* 5.4*	5.4* 5.4*	9.3
13.5	Stabilizers raised 4 pt. outriggers down					8.4* 8.4*	8.4* 8.4*	6.3 7.4*	7.4* 7.4*	4.7 6.0*	6.0* 6.0*											4.2 4.8*	4.8* 4.8*	11.1
12.0	Stabilizers raised 4 pt. outriggers down					8.3* 8.3*	8.3* 8.3*	6.4 7.3*	7.3* 7.3*	4.8 6.6*	6.2 6.6*	3.7 5.4*	4.8 5.4*									3.4 4.5*	4.5 4.5*	12.4
10.5	Stabilizers raised 4 pt. outriggers down					8.3* 8.3*	8.3* 8.3*	6.4 7.3*	7.3* 7.3*	4.8 6.6*	6.2 6.6*	3.7 6.0*	4.8 6.0*									2.9 4.3*	3.9 4.3*	13.4
9.0	Stabilizers raised 4 pt. outriggers down					8.4 8.5*	8.5* 8.5*	6.2 7.4*	7.4* 7.4*	4.8 6.6*	6.1 6.6*	3.7 6.0*	4.8 6.0*	2.9 5.5*	3.8 5.5*							2.6 4.2*	3.5 4.2*	14.2
7.5	Stabilizers raised 4 pt. outriggers down			10.2* 10.2*	10.2* 10.2*	8.1 8.8*	8.8* 8.8*	6.0 7.6*	7.6* 7.6*	4.6 6.8*	5.9 6.8*	3.6 6.1*	4.7 6.1*	2.9 5.5*	3.8 5.5*							2.3 4.1*	3.2 4.1*	14.8
6.0	Stabilizers raised 4 pt. outriggers down	10.5* 10.5*	10.5* 10.5*	10.7 11.1*	11.1* 11.1*	7.6 9.2*	9.2* 9.2*	5.7 7.9*	7.3 7.9*	4.4 6.9*	5.7 6.9*	3.5 6.2*	4.6 6.2*	2.8 5.5*	3.7 5.5*	2.2 4.8*	3.0 4.8*					2.2 4.1*	3.0 4.1*	15.2
4.5	Stabilizers raised 4 pt. outriggers down	14.9 15.8*	15.8* 15.8*	9.7 12.0*	12.0* 12.0*	7.0 9.7*	9.1 9.7*	5.3 8.2*	6.9 8.2*	4.2 7.1*	5.5 7.1*	3.3 6.2*	4.4 6.2*	2.7 5.6*	3.6 5.6*	2.2 4.9*	3.0 4.9*					2.1 4.2*	2.8 4.2*	15.5
3.0	Stabilizers raised 4 pt. outriggers down	11.9* 11.9*	11.9* 11.9*	8.7 12.8*	11.6 12.8*	6.4 10.1*	8.5 10.1*	4.9 8.4*	6.5 8.4*	3.9 7.2*	5.2 7.2*	3.2 6.3*	4.2 6.3*	2.6 5.5*	3.5 5.5*	2.1 4.7*	2.9 4.7*					2.0 4.3*	2.8 4.3*	15.6
1.5	Stabilizers raised 4 pt. outriggers down	4.6* 4.6*	4.6* 4.6*	7.8 13.2*	10.7 13.2*	5.8 10.4*	7.9 10.4*	4.6 8.6*	6.1 8.6*	3.7 7.3*	4.9 7.3*	3.0 6.3*	4.1 6.3*	2.5 5.4*	3.4 5.4*	2.1 4.5*	2.9 4.5*					2.0 4.1*	2.7 4.1*	15.5
0	Stabilizers raised 4 pt. outriggers down	4.2* 4.2*	4.2* 4.2*	7.1 10.9*	10.0 10.9*	5.4 10.4*	7.4 10.4*	4.3 8.5*	5.8 8.5*	3.5 7.2*	4.7 7.2*	2.9 6.1*	3.9 6.1*	2.4 5.2*	3.3 5.2*	2.0 4.1*	2.9 4.1*					2.0 3.7*	2.8 3.7*	15.4
−1.5	Stabilizers raised 4 pt. outriggers down	4.9* 4.9*	4.9* 4.9*	6.8 9.6*	9.6* 9.6*	5.1 9.9*	7.2 9.9*	4.1 8.2*	5.6 8.2*	3.3 6.8*	4.6 6.8*	2.8 5.7*	3.8 5.7*	2.3 4.7*	3.3 4.7*							2.1 3.7*	2.9 3.7*	14.7
−3.0	Stabilizers raised 4 pt. outriggers down			6.7 9.8*	9.5 9.8*	5.0 8.8*	7.0 8.8*	4.0 7.4*	5.5 7.4*	3.2 6.2*	4.5 6.2*	2.7 5.0*	3.8 5.0*									2.4 4.2*	3.4 4.2*	13.1
−4.5	Stabilizers raised 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 metric tons (t) 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 working tools (grabs, load hooks, etc.) and load accommodation equipment 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.
In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

LH 50 M – Attachment GA17

Industry – Kinematic 2A

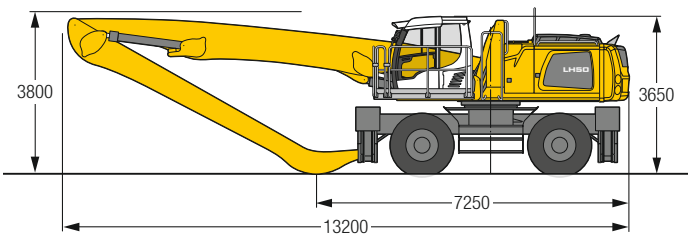


Operating Weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 4 solid tyres, straight boom 9.60 m, angled stick 7.50 m and grab model GM 70C/ 0.80 m³ semi-closed tines.

Weight	44,200 kg

Dimensions



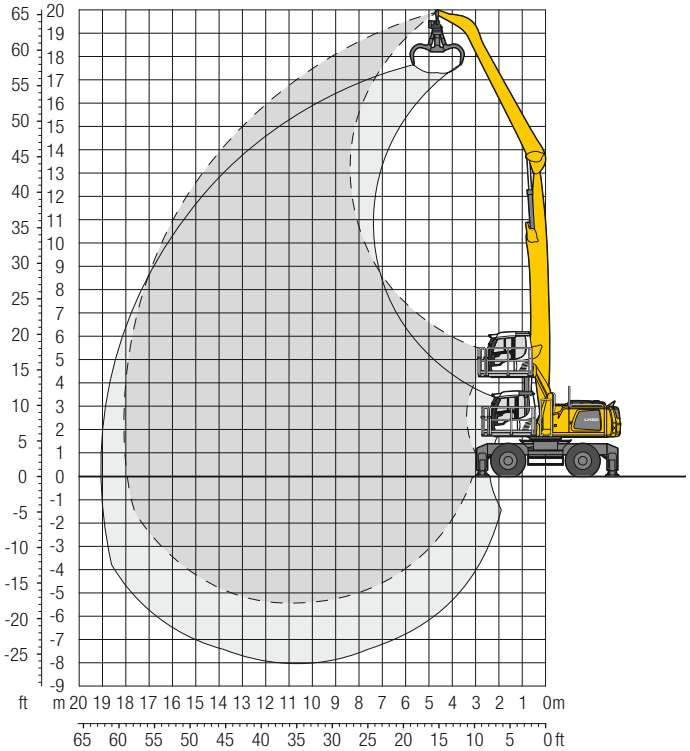
m	Undercarriage	4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		18.0 m				m
18.0	Stabilizers raised			7.0*	7.0*																	6.5*	6.5*	6.4
	4 pt. outriggers down			7.0*	7.0*																	6.5*	6.5*	
16.5	Stabilizers raised					7.1*	7.1*	5.5*	5.5*													5.1*	5.1*	9.2
	4 pt. outriggers down					7.1*	7.1*	5.5*	5.5*													5.1*	5.1*	
15.0	Stabilizers raised					7.8*	7.8*	6.4	7.0*	4.7	5.6*											4.1	4.5*	11.2
	4 pt. outriggers down					7.8*	7.8*	7.0*	7.0*	5.6*	5.6*											4.5*	4.5*	
13.5	Stabilizers raised							6.5	7.0*	4.9	6.3	3.7	4.8									3.3	4.2*	12.7
	4 pt. outriggers down							7.0*	7.0*	6.3*	6.3*	5.3*	5.3*									4.2*	4.2*	
12.0	Stabilizers raised							6.6	6.9*	5.0	6.2*	3.8	4.9	2.9	3.9							2.7	3.7	13.8
	4 pt. outriggers down							6.9*	6.9*	6.2*	6.2*	5.7*	5.7*	4.6*	4.6*							3.9*	3.9*	
10.5	Stabilizers raised							6.5	7.0*	4.9	6.2*	3.8	4.9	3.0	3.9							2.4	3.2	14.7
	4 pt. outriggers down							7.0*	7.0*	6.2*	6.2*	5.7*	5.7*	5.2*	5.2*							3.8*	3.8*	
9.0	Stabilizers raised					8.1*	8.1*	6.3	7.1*	4.8	6.2	3.8	4.9	3.0	3.9	2.3	3.1					2.1	2.9	15.5
	4 pt. outriggers down					8.1*	8.1*	7.1*	7.1*	6.3*	6.3*	5.7*	5.7*	5.2*	5.2*	4.8*	4.8*					3.7*	3.7*	
7.5	Stabilizers raised					8.2	8.4*	6.1	7.3*	4.6	6.0	3.6	4.7	2.9	3.8	2.3	3.1					1.9	2.7	16.0
	4 pt. outriggers down					8.4*	8.4*	7.3*	7.3*	6.5*	6.5*	5.8*	5.8*	5.2*	5.2*	4.8*	4.8*					3.7*	3.7*	
6.0	Stabilizers raised			10.5*	10.5*	7.7	8.8*	5.7	7.3	4.4	5.7	3.5	4.6	2.8	3.7	2.2	3.0					1.8	2.5	16.4
	4 pt. outriggers down			10.5*	10.5*	8.8*	8.8*	7.6*	7.6*	6.6*	6.6*	5.9*	5.9*	5.3*	5.3*	4.8*	4.8*					3.7*	3.7*	
4.5	Stabilizers raised	15.1	15.3*	9.8	11.5*	7.0	9.1	5.3	6.9	4.1	5.4	3.3	4.4	2.7	3.6	2.2	3.0	1.7	2.5			1.7	2.4	16.6
	4 pt. outriggers down	15.3*	15.3*	11.5*	11.5*	9.3*	9.3*	7.9*	7.9*	6.8*	6.8*	6.0*	6.0*	5.3*	5.3*	4.8*	4.8*	4.1*	4.1*			3.7*	3.7*	
3.0	Stabilizers raised	12.3*	12.3*	8.6	11.6	6.3	8.4	4.8	6.5	3.8	5.1	3.1	4.2	2.5	3.4	2.1	2.9	1.7	2.4			1.7	2.4	16.7
	4 pt. outriggers down	12.3*	12.3*	12.3*	12.3*	9.8*	9.8*	8.1*	8.1*	6.9*	6.9*	6.1*	6.1*	5.4*	5.4*	4.7*	4.7*	4.0*	4.0*			3.8*	3.8*	
1.5	Stabilizers raised	4.1*	4.1*	7.6	10.5	5.7	7.7	4.4	6.0	3.6	4.8	2.9	4.0	2.4	3.3	2.0	2.8	1.7	2.4			1.6	2.3	16.7
	4 pt. outriggers down	4.1*	4.1*	12.8*	12.8*	10.1*	10.1*	8.3*	8.3*	7.0*	7.0*	6.1*	6.1*	5.3*	5.3*	4.6*	4.6*	3.8*	3.8*			3.6*	3.6*	
0	Stabilizers raised	3.5*	3.5*	6.9	9.2*	5.2	7.2	4.1	5.7	3.3	4.6	2.7	3.8	2.3	3.2	1.9	2.7	1.6	2.4			1.6	2.4	16.5
	4 pt. outriggers down	3.5*	3.5*	9.2*	9.2*	10.1*	10.1*	8.3*	8.3*	7.0*	7.0*	6.0*	6.0*	5.2*	5.2*	4.4*	4.4*	3.3*	3.3*			3.3*	3.3*	
−1.5	Stabilizers raised	4.0*	4.0*	6.5	7.9*	4.9	6.9	3.9	5.4	3.1	4.4	2.6	3.7	2.2	3.1	1.9	2.7					1.7	2.5	16.0
	4 pt. outriggers down	4.0*	4.0*	7.9*	7.9*	9.7*	9.7*	8.0*	8.0*	6.8*	6.8*	5.8*	5.8*	4.9*	4.9*	4.0*	4.0*					3.1*	3.1*	
−3.0	Stabilizers raised			6.3	8.0*	4.7	6.7	3.7	5.3	3.0	4.3	2.5	3.6	2.2	3.1							1.9	2.7	14.7
	4 pt. outriggers down			8.0*	8.0*	8.9*	8.9*	7.4*	7.4*	6.3*	6.3*	5.3*	5.3*	4.3*	4.3*							3.5*	3.5*	
−4.5	Stabilizers raised					4.7	6.6	3.7	5.2	3.0	4.2	2.5	3.6									2.5	3.5	12.2
	4 pt. outriggers down					7.5*	7.5*	6.4*	6.4*	5.4*	5.4*	4.4*	4.4*									4.3*	4.3*	

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 metric tons (t) 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 working tools (grabs, load hooks, etc.) and load accommodation equipment 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.
In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

LH 50 M – Attachment GA18

Industry – Kinematic 2A

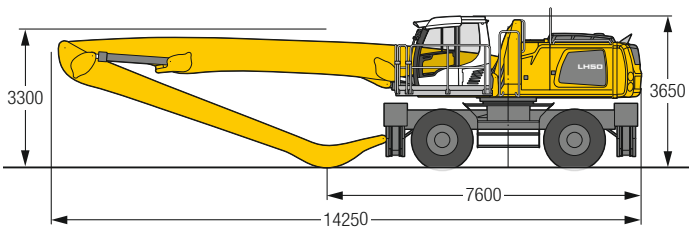


Operating Weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 4 solid tyres, straight boom 10.60 m, angled stick 8.00 m and grab model GM 65/0.60 m³ semi-closed tines.

Weight	44,500 kg

Dimensions



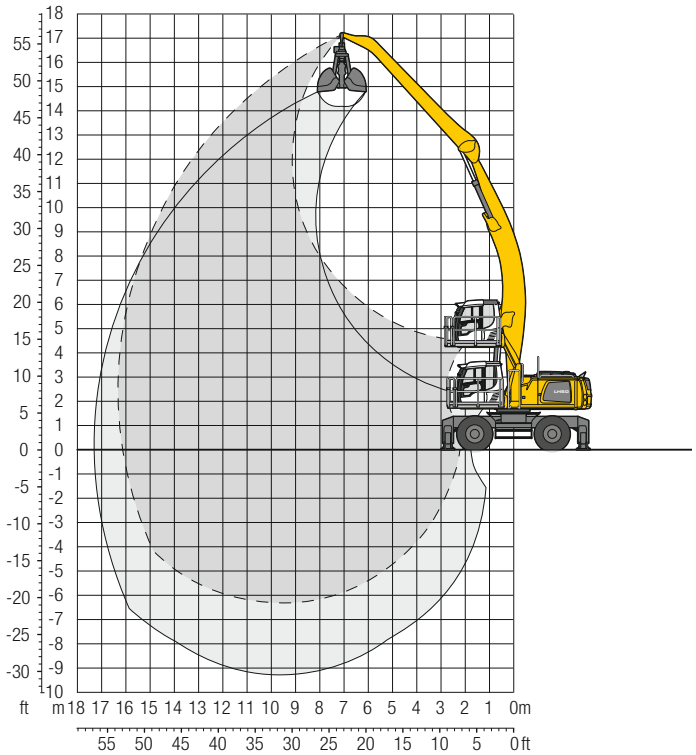
m	Undercarriage	4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		18.0 m				m
19.5	Stabilizers raised			6.2*	6.2*																	6.0*	6.0*	6.1
	4 pt. outriggers down			6.2*	6.2*																	6.0*	6.0*	
18.0	Stabilizers raised					6.4*	6.4*	5.1*	5.1*													4.7*	4.7*	9.3
	4 pt. outriggers down					6.4*	6.4*	5.1*	5.1*													4.7*	4.7*	
16.5	Stabilizers raised							6.3*	6.3*	4.8	5.2*											3.9	4.1*	11.4
	4 pt. outriggers down							6.3*	6.3*	5.2*	5.2*											4.1*	4.1*	
15.0	Stabilizers raised							6.6	6.7*	5.0	5.9*	3.7	4.9									3.0	3.8*	13.1
	4 pt. outriggers down							6.7*	6.7*	5.9*	5.9*	5.1*	5.1*									3.8*	3.8*	
13.5	Stabilizers raised							6.6*	6.6*	5.0	5.8*	3.8	5.0	2.9	3.9							2.4	3.3	14.4
	4 pt. outriggers down							6.6*	6.6*	5.8*	5.8*	5.3*	5.3*	4.8*	4.8*							3.6*	3.6*	
12.0	Stabilizers raised							6.6*	6.6*	5.0	5.8*	3.8	5.0	3.0	3.9	2.2	3.1					2.0	2.8	15.4
	4 pt. outriggers down							6.6*	6.6*	5.8*	5.8*	5.2*	5.2*	4.7*	4.7*	4.1*	4.1*					3.5*	3.5*	
10.5	Stabilizers raised							6.5	6.7*	4.9	5.9*	3.8	4.9	2.9	3.9	2.2	3.1					1.8	2.5	16.2
	4 pt. outriggers down							6.7*	6.7*	5.9*	5.9*	5.2*	5.2*	4.7*	4.7*	4.3*	4.3*					3.4*	3.4*	
9.0	Stabilizers raised					7.9*	7.9*	6.3	6.8*	4.7	6.0*	3.6	4.8	2.8	3.8	2.2	3.0	1.7	2.4			1.6	2.3	16.9
	4 pt. outriggers down					7.9*	7.9*	6.8*	6.8*	6.0*	6.0*	5.3*	5.3*	4.8*	4.8*	4.3*	4.3*	3.9*	3.9*			3.3*	3.3*	
7.5	Stabilizers raised					8.0	8.2*	5.9	7.0*	4.5	5.8	3.5	4.6	2.7	3.7	2.1	3.0	1.7	2.4			1.4	2.1	17.4
	4 pt. outriggers down					8.2*	8.2*	7.0*	7.0*	6.1*	6.1*	5.4*	5.4*	4.8*	4.8*	4.3*	4.3*	3.9*	3.9*			3.3*	3.3*	
6.0	Stabilizers raised	9.8*	9.8*	10.5	10.6*	7.3	8.5*	5.4	7.1	4.2	5.5	3.2	4.3	2.6	3.5	2.0	2.8	1.6	2.3			1.3	1.9	17.7
	4 pt. outriggers down	9.8*	9.8*	10.6*	10.6*	8.5*	8.5*	7.2*	7.2*	6.2*	6.2*	5.4*	5.4*	4.8*	4.8*	4.3*	4.3*	3.9*	3.9*			3.3*	3.3*	
4.5	Stabilizers raised	13.9	15.1*	9.1	11.2*	6.5	8.6	4.9	6.5	3.8	5.1	3.0	4.1	2.4	3.3	1.9	2.7	1.5	2.2			1.2	1.9	18.0
	4 pt. outriggers down	15.1*	15.1*	11.2*	11.2*	8.9*	8.9*	7.4*	7.4*	6.3*	6.3*	5.5*	5.5*	4.9*	4.9*	4.3*	4.3*	3.8*	3.8*			3.3*	3.3*	
3.0	Stabilizers raised	5.2*	5.2*	7.7	10.6	5.7	7.8	4.4	6.0	3.4	4.7	2.7	3.8	2.2	3.1	1.8	2.6	1.4	2.2	1.2	1.8	1.1	1.8	18.1
	4 pt. outriggers down	5.2*	5.2*	11.7*	11.7*	9.2*	9.2*	7.6*	7.6*	6.4*	6.4*	5.6*	5.6*	4.9*	4.9*	4.3*	4.3*	3.8*	3.8*	3.2*	3.2*	3.1*	3.1*	
1.5	Stabilizers raised	2.6*	2.6*	6.5	8.8*	4.9	7.0	3.9	5.5	3.1	4.4	2.5	3.6	2.0	3.0	1.7	2.5	1.4	2.1	1.1	1.8	1.1	1.8	18.0
	4 pt. outriggers down	2.6*	2.6*	8.8*	8.8*	9.3*	9.3*	7.7*	7.7*	6.5*	6.5*	5.6*	5.6*	4.8*	4.8*	4.2*	4.2*	3.7*	3.7*	2.9*	2.9*	2.9*	2.9*	
0	Stabilizers raised	2.6*	2.6*	5.7	6.1*	4.4	6.4	3.5	5.0	2.8	4.1	2.3	3.4	1.9	2.8	1.6	2.4	1.3	2.0			1.1	1.8	17.9
	4 pt. outriggers down	2.6*	2.6*	6.1*	6.1*	9.2*	9.2*	7.6*	7.6*	6.4*	6.4*	5.5*	5.5*	4.7*	4.7*	4.1*	4.1*	3.5*	3.5*			2.7*	2.7*	
−1.5	Stabilizers raised	3.1*	3.1*	5.3	5.7*	4.0	6.0	3.2	4.7	2.6	3.9	2.1	3.2	1.8	2.7	1.5	2.3	1.2	2.0			1.1	1.8	17.6
	4 pt. outriggers down	3.1*	3.1*	5.7*	5.7*	8.8*	8.8*	7.3*	7.3*	6.2*	6.2*	5.3*	5.3*	4.5*	4.5*	3.8*	3.8*	3.1*	3.1*			2.4*	2.4*	
−3.0	Stabilizers raised			5.2	6.0*	3.8	5.8	3.0	4.6	2.5	3.7	2.0	3.1	1.7	2.6	1.4	2.2					1.2	2.0	16.4
	4 pt. outriggers down			6.0*	6.0*	8.0*	8.0*	6.7*	6.7*	5.7*	5.7*	4.9*	4.9*	4.1*	4.1*	3.4*	3.4*					2.6*	2.6*	
−4.5	Stabilizers raised					3.8	5.8	2.9	4.5	2.4	3.6	2.0	3.0	1.7	2.6							1.5	2.3	14.4
	4 pt. outriggers down					6.7*	6.7*	5.8*	5.8*	5.0*	5.0*	4.2*	4.2*	3.5*	3.5*							3.0*	3.0*	

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 metric tons (t) 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 working tools (grabs, load hooks, etc.) and load accommodation equipment 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.
In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

LH 50 M – Attachment AF16

Industry – Kinematic 2D

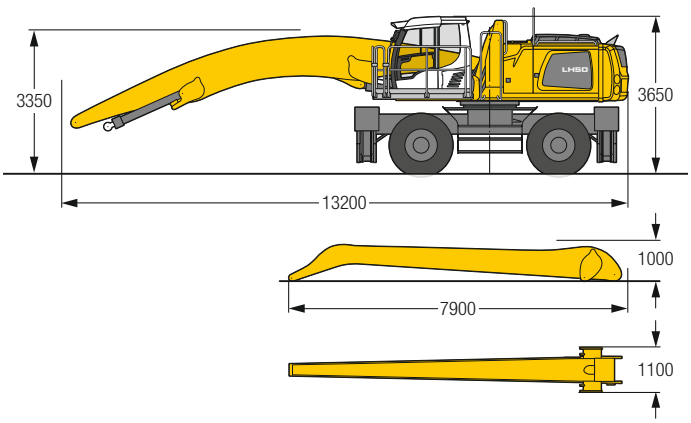


Operating Weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 4 solid tyres, angled boom 9.60 m, flat angled stick 7.50 m and grab model GM 20C/1.50 m³ shells for loose material.

Weight	44,500 kg

Dimensions



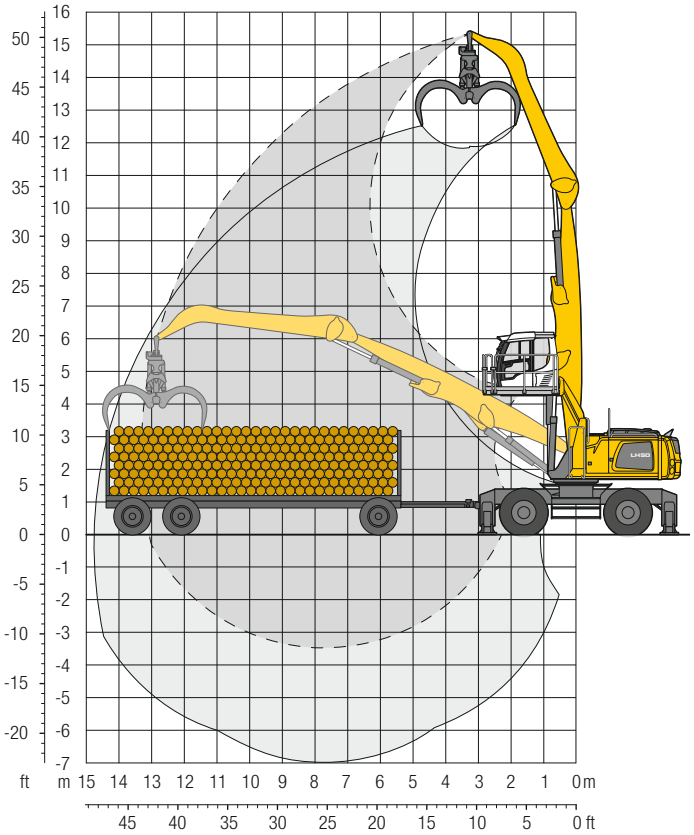
m	Undercarriage	4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		18.0 m				m
18.0	Stabilizers raised																							
	4 pt. outriggers down																							
16.5	Stabilizers raised																					4.8*	4.8*	8.2
	4 pt. outriggers down																					4.8*	4.8*	
15.0	Stabilizers raised							5.7*	5.7*													4.3*	4.3*	10.4
	4 pt. outriggers down							5.7*	5.7*													4.3*	4.3*	
13.5	Stabilizers raised							6.0*	6.0*	5.1	5.5*											3.9	4.0*	12.0
	4 pt. outriggers down							6.0*	6.0*	5.5*	5.5*											4.0*	4.0*	
12.0	Stabilizers raised									5.2	5.4*	4.0	5.0*									3.2	3.8*	13.2
	4 pt. outriggers down									5.4*	5.4*	5.0*	5.0*									3.8*	3.8*	
10.5	Stabilizers raised							6.0*	6.0*	5.1	5.4*	4.0	5.0*	3.1	4.0							2.7	3.6	14.1
	4 pt. outriggers down							6.0*	6.0*	5.4*	5.4*	5.0*	5.0*	4.7*	4.7*							3.7*	3.7*	
9.0	Stabilizers raised							6.1*	6.1*	5.0	5.5*	3.9	5.0	3.0	4.0							2.4	3.2	14.9
	4 pt. outriggers down							6.1*	6.1*	5.5*	5.5*	5.0*	5.0*	4.7*	4.7*							3.7*	3.7*	
7.5	Stabilizers raised							6.3	6.4*	4.8	5.7*	3.8	4.9	3.0	3.9	2.3	3.2					2.2	2.9	15.5
	4 pt. outriggers down							6.4*	6.4*	5.7*	5.7*	5.1*	5.1*	4.7*	4.7*	4.4*	4.4*					3.7*	3.7*	
6.0	Stabilizers raised					7.7*	7.7*	5.9	6.6*	4.6	5.9*	3.6	4.7	2.8	3.8	2.3	3.1					2.0	2.7	15.9
	4 pt. outriggers down					7.7*	7.7*	6.6*	6.6*	5.9*	5.9*	5.3*	5.3*	4.8*	4.8*	4.4*	4.4*					3.7*	3.7*	
4.5	Stabilizers raised	13.3*	13.3*	10.1*	10.1*	7.2	8.2*	5.5	7.0*	4.2	5.6	3.4	4.5	2.7	3.6	2.2	3.0					1.8	2.6	16.1
	4 pt. outriggers down	13.3*	13.3*	10.1*	10.1*	8.2*	8.2*	7.0*	7.0*	6.1*	6.1*	5.4*	5.4*	4.9*	4.9*	4.4*	4.4*					3.8*	3.8*	
3.0	Stabilizers raised	13.0	15.0*	8.8	11.0*	6.5	8.6	5.0	6.6	3.9	5.2	3.1	4.2	2.5	3.5	2.1	2.9					1.7	2.5	16.2
	4 pt. outriggers down	15.0*	15.0*	11.0*	11.0*	8.7*	8.7*	7.3*	7.3*	6.3*	6.3*	5.5*	5.5*	4.9*	4.9*	4.4*	4.4*					3.9*	3.9*	
1.5	Stabilizers raised	6.5*	6.5*	7.7	10.6	5.8	7.9	4.5	6.1	3.6	4.9	2.9	4.0	2.4	3.3	2.0	2.8					1.7	2.4	16.2
	4 pt. outriggers down	6.5*	6.5*	11.7*	11.7*	9.2*	9.2*	7.6*	7.6*	6.5*	6.5*	5.6*	5.6*	5.0*	5.0*	4.4*	4.4*					4.0*	4.0*	
0	Stabilizers raised	5.2*	5.2*	6.9	9.8	5.2	7.3	4.1	5.7	3.3	4.6	2.7	3.8	2.3	3.2	1.9	2.7					1.7	2.4	16.0
	4 pt. outriggers down	5.2*	5.2*	11.4*	11.4*	9.5*	9.5*	7.8*	7.8*	6.6*	6.6*	5.7*	5.7*	5.0*	5.0*	4.4*	4.4*					3.9*	3.9*	
−1.5	Stabilizers raised	5.3*	5.3*	6.4	9.2	4.8	6.9	3.8	5.4	3.1	4.4	2.6	3.6	2.2	3.1	1.8	2.6					1.7	2.5	15.7
	4 pt. outriggers down	5.3*	5.3*	9.4*	9.4*	9.5*	9.5*	7.8*	7.8*	6.6*	6.6*	5.6*	5.6*	4.9*	4.9*	4.2*	4.2*					3.8*	3.8*	
−3.0	Stabilizers raised	5.8*	5.8*	6.1	9.0	4.6	6.6	3.6	5.2	3.0	4.2	2.5	3.5	2.1	3.0	1.8	2.6					1.8	2.5	15.2
	4 pt. outriggers down	5.8*	5.8*	9.0*	9.0*	9.1*	9.1*	7.6*	7.6*	6.4*	6.4*	5.4*	5.4*	4.6*	4.6*	3.8*	3.8*					3.6*	3.6*	
−4.5	Stabilizers raised			6.1	8.9	4.5	6.5	3.5	5.1	2.9	4.2	2.4	3.5	2.1	3.0							1.9	2.7	14.4
	4 pt. outriggers down			9.2*	9.2*	8.4*	8.4*	7.0*	7.0*	5.9*	5.9*	5.0*	5.0*	4.1*	4.1*							3.5*	3.5*	
−6.0	Stabilizers raised							3.5	5.1	2.9	4.1											2.5	3.7	11.6
	4 pt. outriggers down							6.1*	6.1*	5.2*	5.2*											4.5*	4.5*	

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 metric tons (t) 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 working tools (grabs, load hooks, etc.) and load accommodation equipment 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.
In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

LH 50 M – Attachment GA13

Industry – Kinematic 2A

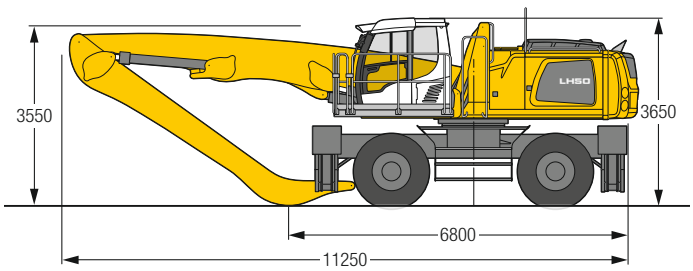


Operating Weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 4 pneumatic tyres, straight boom 7.60 m, angled stick 6.00 m and wood grab model GM 20B/1.90 m².

Weight	42,100 kg

Dimensions



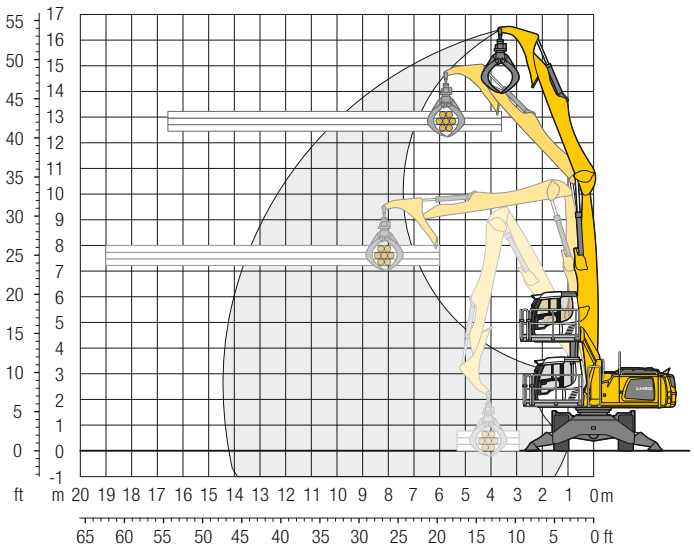
m	Undercarriage	4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		18.0 m				m
15.0	Stabilizers raised	8.9*	8.9*																			8.7*	8.7*	4,6
	4 pt. outriggers down	8.9*	8.9*																			8.7*	8.7*	
13.5	Stabilizers raised			9.1*	9.1*	6.6*	6.6*															6.5*	6.5*	7,5
	4 pt. outriggers down			9.1*	9.1*	6.6*	6.6*															6.5*	6.5*	
12.0	Stabilizers raised					8.0	8.9*	5.8	6.6*													5.4	5.6*	9,4
	4 pt. outriggers down					8.9*	8.9*	6.6*	6.6*													5.6*	5.6*	
10.5	Stabilizers raised					8.1	8.9*	6.0	7.6	4.5	5.8											4.3	5.2*	10,7
	4 pt. outriggers down					8.9*	8.9*	8.1*	8.1*	5.8*	5.8*											5.2*	5.2*	
9.0	Stabilizers raised					8.1	8.9*	6.0	7.6	4.6	5.8											3.7	4.8	11,7
	4 pt. outriggers down					8.9*	8.9*	8.1*	8.1*	7.4*	7.4*											5.0*	5.0*	
7.5	Stabilizers raised			10.6*	10.6*	7.9	9.2*	5.9	7.5	4.5	5.8	3.5	4.6									3.3	4.3	12,4
	4 pt. outriggers down			10.6*	10.6*	9.2*	9.2*	8.2*	8.2*	7.4*	7.4*	6.1*	6.1*									4.8*	4.8*	
6.0	Stabilizers raised			10.7	11.3*	7.6	9.6*	5.7	7.3	4.4	5.7	3.5	4.5									3.1	4.0	12,9
	4 pt. outriggers down			11.3*	11.3*	9.6*	9.6*	8.4*	8.4*	7.5*	7.5*	6.8*	6.8*									4.8*	4.8*	
4.5	Stabilizers raised	15.5	15.7*	10.0	12.3*	7.2	9.2	5.4	7.0	4.3	5.5	3.4	4.5									2.9	3.8	13,2
	4 pt. outriggers down	15.7*	15.7*	12.3*	12.3*	10.2*	10.2*	8.8*	8.8*	7.7*	7.7*	6.8*	6.8*									4.8*	4.8*	
3.0	Stabilizers raised	13.8	17.8*	9.2	12.1	6.7	8.7	5.2	6.7	4.1	5.3	3.3	4.4									2.8	3.7	13,3
	4 pt. outriggers down	17.8*	17.8*	13.3*	13.3*	10.7*	10.7*	9.1*	9.1*	7.8*	7.8*	6.8*	6.8*									4.9*	4.9*	
1.5	Stabilizers raised	12.4	14.0*	8.5	11.3	6.3	8.3	4.9	6.4	3.9	5.2	3.2	4.3									2.8	3.7	13,3
	4 pt. outriggers down	14.0*	14.0*	14.1*	14.1*	11.1*	11.1*	9.2*	9.2*	7.8*	7.8*	6.6*	6.6*									5.1*	5.1*	
0	Stabilizers raised	9.2*	9.2*	7.9	10.8	6.0	7.9	4.7	6.2	3.8	5.0	3.2	4.2									2.8	3.7	13,1
	4 pt. outriggers down	9.2*	9.2*	14.1*	14.1*	11.2*	11.2*	9.2*	9.2*	7.6*	7.6*	6.2*	6.2*									4.9*	4.9*	
–1.5	Stabilizers raised	9.1*	9.1*	7.7	10.5	5.7	7.7	4.5	6.1	3.7	4.9	3.1	4.2									3.1	4.1	12,1
	4 pt. outriggers down	9.1*	9.1*	13.3*	13.3*	10.6*	10.6*	8.6*	8.6*	7.0*	7.0*	5.3*	5.3*									5.2*	5.2*	
–3.0	Stabilizers raised			7.6	10.4	5.7	7.6	4.5	6.0													4.0	5.3	9,9
	4 pt. outriggers down			11.3*	11.3*	9.2*	9.2*	7.5*	7.5*													6.4*	6.4*	
–4.5	Stabilizers raised																							
	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 metric tons (t) 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 working tools (grabs, load hooks, etc.) and load accommodation equipment 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.
In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

LH 50 M – Attachment GKG14

Industry – Kinematic 2A

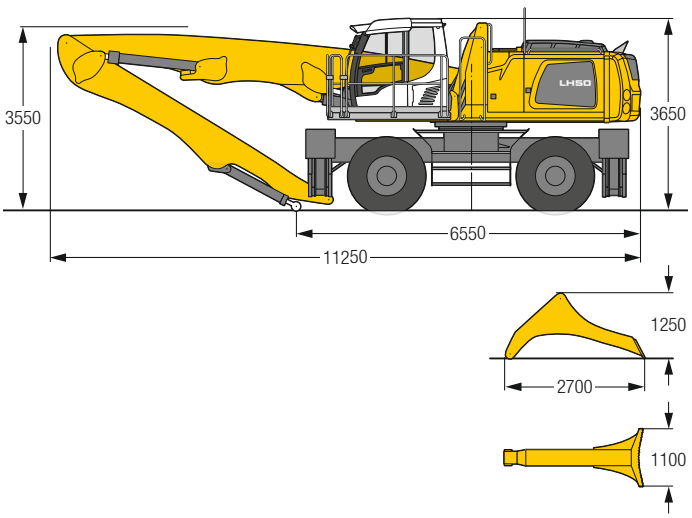


Operating Weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 4 solid tyres, straight boom 7.60 m, stick 5.80 m with counterstay and wood grab 0.70 m².

Weight	43,400 kg

Dimensions



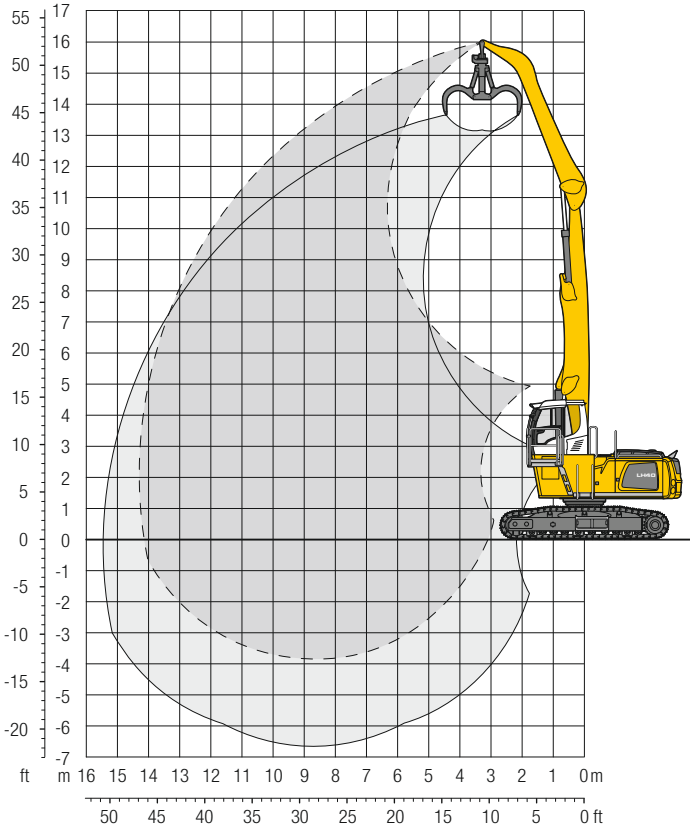
m	Undercarriage	4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		18.0 m				m
15.0	Stabilizers raised			7.6*	7.6*																	5.6*	5.6*	7.3
	4 pt. outriggers down			7.6*	7.6*																	5.6*	5.6*	
13.5	Stabilizers raised					7.3*	7.3*	5.5*	5.5*													4.6*	4.6*	9.4
	4 pt. outriggers down					7.3*	7.3*	5.5*	5.5*													4.6*	4.6*	
12.0	Stabilizers raised					7.9*	7.9*	6.0	7.0*	4.4	5.1*											4.0	4.1*	10.9
	4 pt. outriggers down					7.9*	7.9*	7.0*	7.0*	5.1*	5.1*											4.1*	4.1*	
10.5	Stabilizers raised					7.7*	7.7*	6.1	7.0*	4.5	5.8	3.3	4.0*									3.3	3.8*	12.1
	4 pt. outriggers down					7.7*	7.7*	7.0*	7.0*	6.5*	6.5*	4.0*	4.0*									3.8*	3.8*	
9.0	Stabilizers raised					7.8*	7.8*	6.1	7.0*	4.5	5.8	3.4	4.5									2.8	3.6*	12.9
	4 pt. outriggers down					7.8*	7.8*	7.0*	7.0*	6.4*	6.4*	5.7*	5.7*									3.6*	3.6*	
7.5	Stabilizers raised					8.0*	8.0*	5.9	7.1*	4.4	5.8	3.4	4.5	2.6	3.5							2.5	3.5	13.6
	4 pt. outriggers down					8.0*	8.0*	7.1*	7.1*	6.5*	6.5*	5.9*	5.9*	3.8*	3.8*							3.5*	3.5*	
6.0	Stabilizers raised					7.8	8.4*	5.7	7.3	4.3	5.6	3.3	4.4	2.6	3.5							2.3	3.2	14.0
	4 pt. outriggers down					8.4*	8.4*	7.4*	7.4*	6.6*	6.6*	6.0*	6.0*	5.1*	5.1*							3.5*	3.5*	
4.5	Stabilizers raised			10.5	10.7*	7.3	9.0*	5.4	7.0	4.1	5.4	3.2	4.3	2.5	3.4							2.2	3.0	14.3
	4 pt. outriggers down			10.7*	10.7*	9.0*	9.0*	7.7*	7.7*	6.8*	6.8*	6.1*	6.1*	5.4*	5.4*							3.5*	3.5*	
3.0	Stabilizers raised	14.9	15.4*	9.5	11.8*	6.8	8.9	5.0	6.7	3.9	5.2	3.0	4.1	2.4	3.3							2.1	3.0	14.4
	4 pt. outriggers down	15.4*	15.4*	11.8*	11.8*	9.6*	9.6*	8.1*	8.1*	7.0*	7.0*	6.2*	6.2*	5.3*	5.3*							3.6*	3.6*	
1.5	Stabilizers raised	13.0	17.4*	8.6	11.6	6.2	8.3	4.7	6.3	3.7	4.9	2.9	4.0	2.3	3.3							2.1	2.9	14.4
	4 pt. outriggers down	17.4*	17.4*	12.8*	12.8*	10.1*	10.1*	8.4*	8.4*	7.2*	7.2*	6.2*	6.2*	5.2*	5.2*							3.7*	3.7*	
0	Stabilizers raised	11.7	12.1*	7.8	10.8	5.7	7.8	4.4	6.0	3.5	4.7	2.8	3.9	2.3	3.2							2.1	3.0	14.2
	4 pt. outriggers down	12.1*	12.1*	13.3*	13.3*	10.4*	10.4*	8.5*	8.5*	7.1*	7.1*	6.0*	6.0*	4.8*	4.8*							3.9*	3.9*	
−1.5	Stabilizers raised	9.3*	9.3*	7.3	10.2	5.4	7.4	4.2	5.7	3.3	4.6	2.7	3.8	2.3	3.2							2.2	3.2	13.5
	4 pt. outriggers down	9.3*	9.3*	13.1*	13.1*	10.3*	10.3*	8.4*	8.4*	6.9*	6.9*	5.6*	5.6*	4.0*	4.0*							3.9*	3.9*	
−3.0	Stabilizers raised	9.3*	9.3*	7.1	10.0	5.2	7.2	4.0	5.6	3.2	4.5	2.7	3.7									2.6	3.7	12.1
	4 pt. outriggers down	9.3*	9.3*	12.0*	12.0*	9.5*	9.5*	7.7*	7.7*	6.1*	6.1*	4.6*	4.6*									4.5*	4.5*	
−4.5	Stabilizers raised					5.1	7.2															4.4	6.1	8.4
	4 pt. outriggers down					7.9*	7.9*															6.9*	6.9*	

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 metric tons (t) 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 working tools (grabs, load hooks, etc.) and load accommodation equipment 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.
In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

LH 40 C – Attachment GA14

Industry – Kinematic 2A

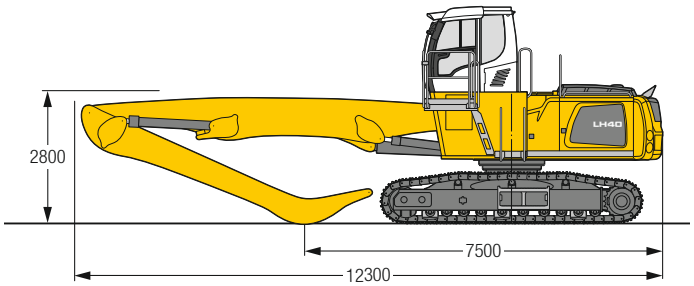


Operating Weight and Ground Pressure

The operating weight includes the basic machine with rigid cab elevation, straight boom 8.60 m, angled stick 6.00 m and grab model GM 70C/0.80 m³ semi-closed tines.

Weight	40,100 kg
Pad width	600 mm
Ground pressure	on request

Dimensions



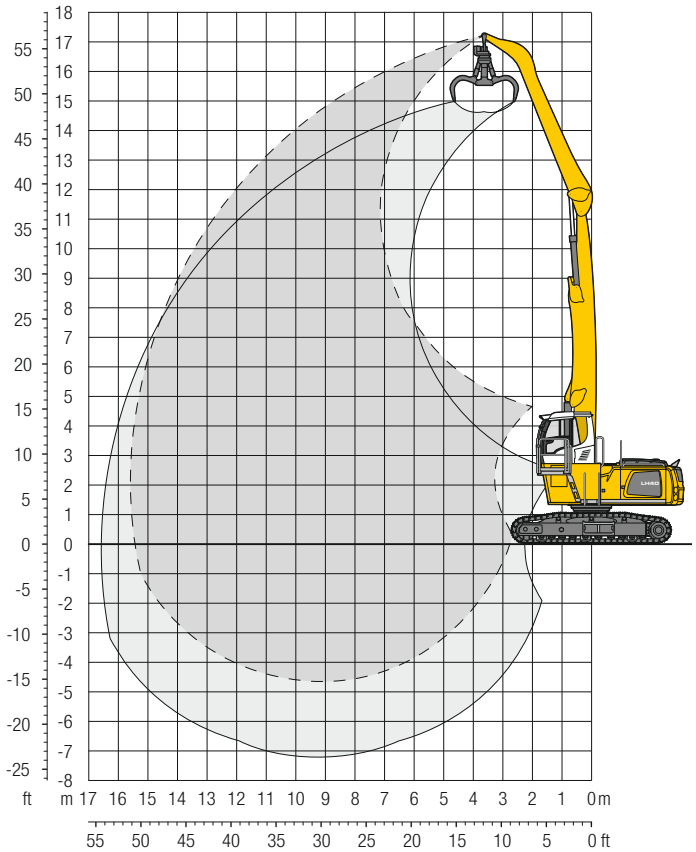
m	Undercarriage	4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m				m
16.5	EW																			
15.0	EW			7.8*	7.8*													7.6*	7.6*	**6.1**
13.5	EW			9.7*	9.7*	8.2*	8.2*											6.2*	6.2*	**8.6**
12.0	EW					8.2*	8.2*	7.3*	7.3*									5.5*	5.5*	**10.3**
10.5	EW					8.1*	8.1*	7.2*	7.2*	6.5*	6.5*							5.2*	5.2*	**11.6**
9.0	EW					8.2*	8.2*	7.2*	7.2*	6.5*	6.5*	5.8*	5.8*					4.9*	4.9*	**12.5**
7.5	EW			10.0*	10.0*	8.4*	8.4*	7.3*	7.3*	6.5*	6.5*	5.8*	5.8*					4.8*	4.8*	**13.2**
6.0	EW	12.4*	12.4*	10.6*	10.6*	8.8*	8.8*	7.5*	7.5*	6.6*	6.6*	5.8	5.9*	4.7	5.2*			4.6	4.8*	**13.8**
4.5	EW	14.9*	14.9*	11.3*	11.3*	9.2*	9.2*	7.8*	7.8*	6.7*	6.7*	5.6	5.9*	4.7	5.1*			4.3	4.8*	**14.1**
3.0	EW	16.3*	16.3*	12.0*	12.0*	9.5*	9.5*	7.9*	7.9*	6.7	6.8*	5.5	5.9*	4.6	5.0*			4.2	4.5*	**14.3**
1.5	EW	5.7*	5.7*	12.3*	12.3*	9.7*	9.7*	8.0*	8.0*	6.5	6.8*	5.4	5.8*	4.5	4.8*			4.2*	4.2*	**14.3**
0	EW	4.9*	4.9*	12.1*	12.1*	9.6*	9.6*	7.8	7.9*	6.3	6.6*	5.3	5.5*	4.4*	4.4*			3.8*	3.8*	**14.1**
–1.5	EW	5.6*	5.6*	11.0*	11.0*	9.0*	9.0*	7.4*	7.4*	6.1*	6.1*	5.0*	5.0*					3.7*	3.7*	**13.5**
–3.0	EW			9.3*	9.3*	7.8*	7.8*	6.5*	6.5*	5.3*	5.3*							4.3*	4.3*	**11.8**
–4.5	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 metric tons (t) and can be slewed through 360° on a firm, level supporting surface. Capacities are valid for 600 mm 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 working tools (grabs, load hooks, etc.) and load accommodation equipment 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.
In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

LH 40 C – Attachment GA16

Industry – Kinematic 2A

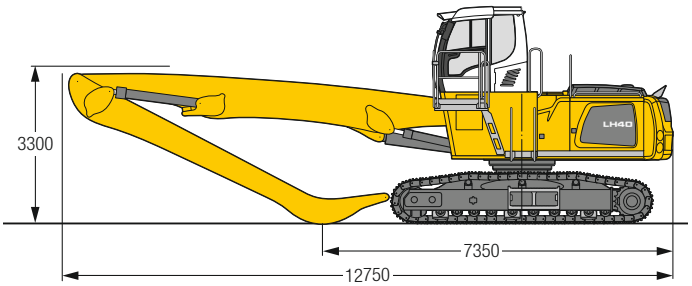


Operating Weight and Ground Pressure

The operating weight includes the basic machine with rigid cab elevation, straight boom 9.10 m, angled stick 6.80 m and grab model GM 65/0.60 m³ semi-closed tines.

Weight	40,100 kg
Pad width	600 mm
Ground pressure	on request

Dimensions



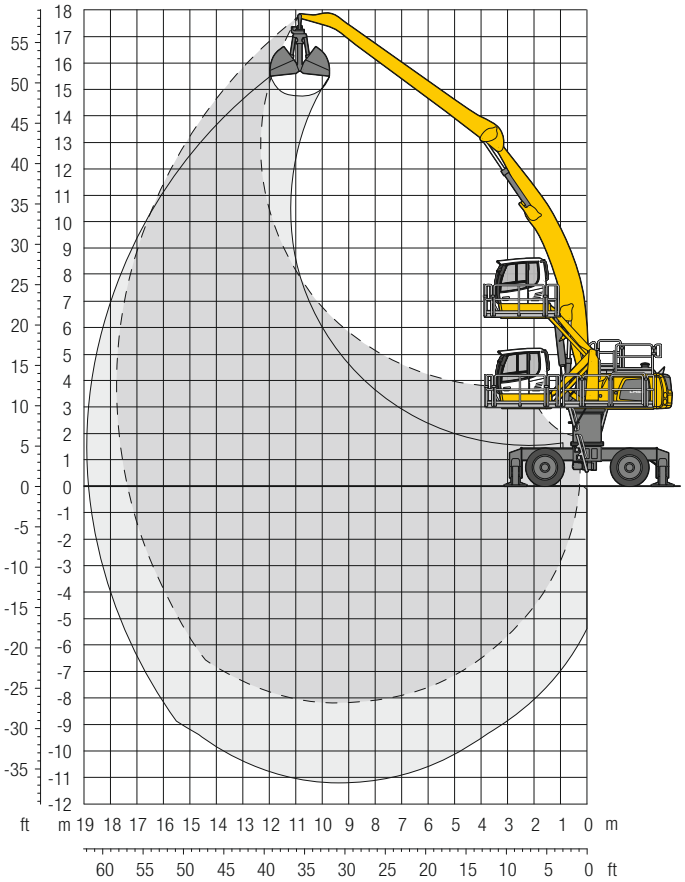
m	Undercarriage	4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m				m
16.5	EW																	7.2*	7.2*	**5.9**
15.0	EW					7.4*	7.4*											5.7*	5.7*	**8.7**
13.5	EW					7.9*	7.9*	7.0*	7.0*	5.2*	5.2*							5.0*	5.0*	**10.6**
12.0	EW					7.8*	7.8*	6.8*	6.8*	6.1*	6.1*	4.7*	4.7*					4.6*	4.6*	**12.0**
10.5	EW					7.7*	7.7*	6.8*	6.8*	6.1*	6.1*	5.5*	5.5*					4.4*	4.4*	**13.1**
9.0	EW					7.8*	7.8*	6.8*	6.8*	6.1*	6.1*	5.5*	5.5*	4.8	5.0*			4.2*	4.2*	**14.0**
7.5	EW					8.1*	8.1*	7.0*	7.0*	6.2*	6.2*	5.5*	5.5*	4.8	5.0*			4.1	4.1*	**14.6**
6.0	EW			10.2*	10.2*	8.4*	8.4*	7.2*	7.2*	6.3*	6.3*	5.6*	5.6*	4.7	5.0*	3.9	4.3*	3.9	4.1*	**15.1**
4.5	EW	14.3*	14.3*	10.8*	10.8*	8.8*	8.8*	7.4*	7.4*	6.4*	6.4*	5.6	5.6*	4.6	5.0*	3.9	4.3*	3.7	4.1*	**15.4**
3.0	EW	15.6*	15.6*	11.5*	11.5*	9.1*	9.1*	7.6*	7.6*	6.5*	6.5*	5.4	5.6*	4.5	4.9*	3.8	4.2*	3.6	3.8*	**15.5**
1.5	EW	5.3*	5.3*	11.9*	11.9*	9.4*	9.4*	7.7*	7.7*	6.4	6.5*	5.3	5.6*	4.4	4.8*	3.8	4.0*	3.5	3.6*	**15.6**
0	EW	4.2*	4.2*	11.7*	11.7*	9.3*	9.3*	7.6*	7.6*	6.2	6.4*	5.1	5.4*	4.3	4.6*	3.6*	3.6*	3.2*	3.2*	**15.4**
–1.5	EW	4.6*	4.6*	9.7*	9.7*	8.9*	8.9*	7.3*	7.3*	6.0	6.1*	5.0	5.1*	4.2*	4.2*			3.0*	3.0*	**15.0**
–3.0	EW			9.5*	9.5*	7.9*	7.9*	6.6*	6.6*	5.5*	5.5*	4.5*	4.5*	3.5*	3.5*			3.4*	3.4*	**13.7**
–4.5	EW							5.5*	5.5*	4.6*	4.6*							4.5*	4.5*	**10.6**

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 metric tons (t) and can be slewed through 360° on a firm, level supporting surface. Capacities are valid for 600 mm 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 working tools (grabs, load hooks, etc.) and load accommodation equipment 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.
In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

LH 50 M HR – Attachment AF18

Industry – Kinematic 2C

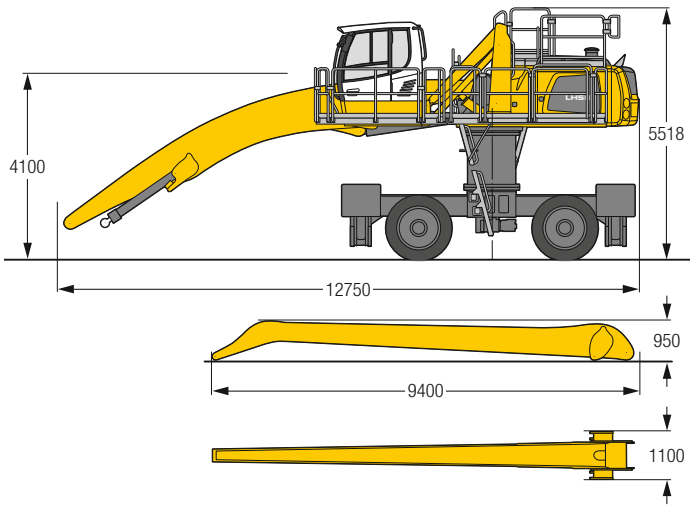


Operating Weight

The operating weight includes the basic machine with 4 point outriggers, turret 1,200 mm, hydr. cab elevation, 4 solid tyres, angled boom 9.60 m, flat angled stick 9.00 m and grab model GM 20C/1.50 m³ shells for loose material.

Weight	45,400 kg

Dimensions



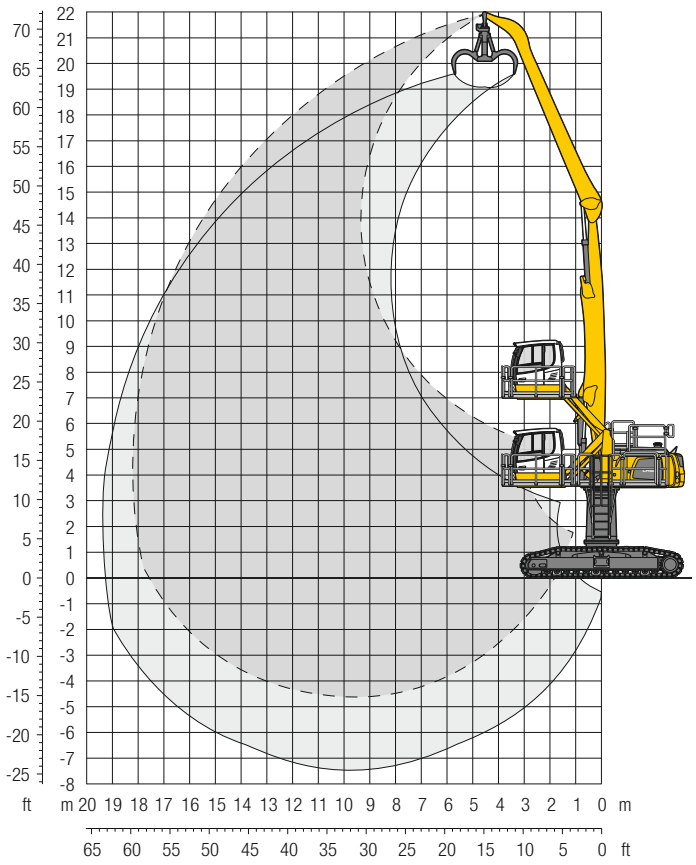
m	Undercarriage	4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		18.0 m				m
19.5	4 pt. outriggers down																							
18.0	4 pt. outriggers down																					3.8*	3.8*	10.3
16.5	4 pt. outriggers down									4.9*	4.9*	3.6*	3.6*									3.4*	3.4*	12.1
15.0	4 pt. outriggers down									5.1*	5.1*	4.7*	4.7*	3.3*	3.3*							3.2*	3.2*	13.6
13.5	4 pt. outriggers down											4.7*	4.7*	4.4*	4.4*							3.1*	3.1*	14.7
12.0	4 pt. outriggers down											4.7*	4.7*	4.3*	4.3*	3.8*	3.8*					3.0*	3.0*	15.6
10.5	4 pt. outriggers down									5.1*	5.1*	4.7*	4.7*	4.4*	4.4*	4.1*	4.1*					3.0*	3.0*	16.3
9.0	4 pt. outriggers down									5.2*	5.2*	4.8*	4.8*	4.4*	4.4*	4.1*	4.1*	3.6*	3.6*			3.0*	3.0*	16.9
7.5	4 pt. outriggers down							6.1*	6.1*	5.4*	5.4*	4.9*	4.9*	4.5*	4.5*	4.2*	4.2*	3.9*	3.9*			3.0*	3.0*	17.3
6.0	4 pt. outriggers down					7.4*	7.4*	6.4*	6.4*	5.6*	5.6*	5.1*	5.1*	4.6*	4.6*	4.2*	4.2*	3.9*	3.9*			3.0*	3.0*	17.6
4.5	4 pt. outriggers down	12.7*	12.7*	9.7*	9.7*	7.9*	7.9*	6.7*	6.7*	5.9*	5.9*	5.2*	5.2*	4.7*	4.7*	4.3*	4.3*	3.9*	3.9*			3.1*	3.1*	17.7
3.0	4 pt. outriggers down	14.4*	14.4*	10.6*	10.6*	8.5*	8.5*	7.1*	7.1*	6.1*	6.1*	5.4*	5.4*	4.8*	4.8*	4.3*	4.3*	3.9*	3.9*			3.2*	3.2*	17.7
1.5	4 pt. outriggers down	8.6*	8.6*	11.4*	11.4*	8.9*	8.9*	7.4*	7.4*	6.3*	6.3*	5.5*	5.5*	4.9*	4.9*	4.4*	4.4*	3.9*	3.9*			3.3*	3.3*	17.6
0	4 pt. outriggers down	6.0*	6.0*	11.8*	11.8*	9.3*	9.3*	7.6*	7.6*	6.4*	6.4*	5.6*	5.6*	4.9*	4.9*	4.3*	4.3*	3.8*	3.8*			3.4*	3.4*	17.4
−1.5	4 pt. outriggers down	5.7*	5.7*	10.1*	10.1*	9.3*	9.3*	7.7*	7.7*	6.5*	6.5*	5.6*	5.6*	4.9*	4.9*	4.2*	4.2*	3.6*	3.6*			3.3*	3.3*	17.0
−3.0	4 pt. outriggers down	5.9*	5.9*	9.2*	9.2*	9.1*	9.1*	7.5*	7.5*	6.4*	6.4*	5.4*	5.4*	4.7*	4.7*	4.0*	4.0*					3.2*	3.2*	16.5
−4.5	4 pt. outriggers down	6.2*	6.2*	9.1*	9.1*	8.6*	8.6*	7.1*	7.1*	6.0*	6.0*	5.1*	5.1*	4.3*	4.3*	3.5*	3.5*					3.1*	3.1*	15.6
−6.0	4 pt. outriggers down					7.6*	7.6*	6.4*	6.4*	5.4*	5.4*	4.5*	4.5*									3.8*	3.8*	13.2

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 metric tons (t) 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 working tools (grabs, load hooks, etc.) and load accommodation equipment 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.
In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

LH 50 C HR – Attachment GA18

Industry – Kinematic 2A

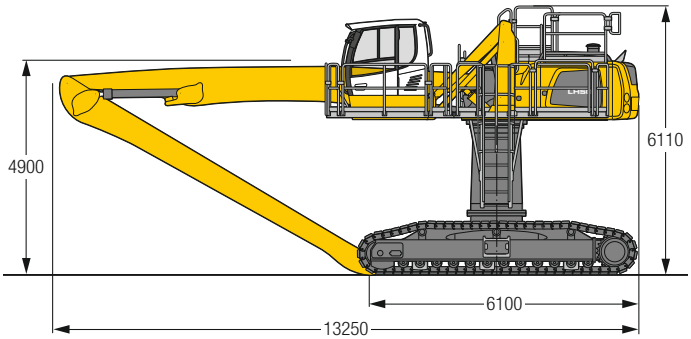


Operating Weight and Ground Pressure

The operating weight includes the basic machine with turret 2,000 mm, hydr. cab elevation, straight boom 9.60 m, angled stick 9.00 m and grab model GM 70C/0.80 m³ semi-closed tines.

Weight	53,800 kg
Pad width	600 mm
Ground pressure	on request

Dimensions



m	Undercarriage	4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		18.0 m				m
21.0	SW			6.6*	6.6*																	5.3*	5.3*	**7.3**
19.5	SW					6.4*	6.4*	5.4*	5.4*													4.2*	4.2*	**10.1**
18.0	SW							6.1*	6.1*	5.3*	5.3*	3.8*	3.8*									3.7*	3.7*	**12.0**
16.5	SW							6.5*	6.5*	5.8*	5.8*	5.1*	5.1*	3.5*	3.5*							3.4*	3.4*	**13.6**
15.0	SW									5.7*	5.7*	5.3*	5.3*	4.7*	4.7*							3.2*	3.2*	**14.8**
13.5	SW									5.7*	5.7*	5.2*	5.2*	4.8*	4.8*	4.2*	4.2*					3.0*	3.0*	**15.8**
12.0	SW									5.7*	5.7*	5.2*	5.2*	4.8*	4.8*	4.4*	4.4*	3.0*	3.0*			2.9*	2.9*	**16.5**
10.5	SW							6.5*	6.5*	5.8*	5.8*	5.3*	5.3*	4.8*	4.8*	4.4*	4.4*	4.0*	4.0*			2.9*	2.9*	**17.2**
9.0	SW							6.7*	6.7*	6.0*	6.0*	5.4*	5.4*	4.9*	4.9*	4.5*	4.5*	4.1*	4.1*			2.9*	2.9*	**17.6**
7.5	SW					7.8*	7.8*	7.0*	7.0*	6.2*	6.2*	5.5*	5.5*	5.0*	5.0*	4.5*	4.5*	4.1*	4.1*			2.9*	2.9*	**18.0**
6.0	SW			8.6*	8.6*	8.6*	8.6*	7.3*	7.3*	6.4*	6.4*	5.6*	5.6*	5.0*	5.0*	4.5*	4.5*	4.1*	4.1*	3.3*	3.3*	2.9*	2.9*	**18.2**
4.5	SW	15.3*	15.3*	11.4*	11.4*	9.1*	9.1*	7.6*	7.6*	6.5*	6.5*	5.7*	5.7*	5.1*	5.1*	4.5*	4.5*	4.0*	4.0*	3.4*	3.4*	2.9*	2.9*	**18.2**
3.0	SW	9.3*	9.3*	12.1*	12.1*	9.5*	9.5*	7.9*	7.9*	6.7*	6.7*	5.8*	5.8*	5.1*	5.1*	4.5*	4.5*	3.9*	3.9*	3.2*	3.2*	3.0*	3.0*	**18.2**
1.5	SW	4.8*	4.8*	12.4*	12.4*	9.8*	9.8*	8.0*	8.0*	6.8*	6.8*	5.8*	5.8*	5.1*	5.1*	4.4*	4.4*	3.7*	3.7*	2.8*	2.8*	2.8*	2.8*	**18.0**
0	SW	4.4*	4.4*	9.4*	9.4*	9.7*	9.7*	7.9*	7.9*	6.7*	6.7*	5.7*	5.7*	4.9*	4.9*	4.2*	4.2*	3.4*	3.4*			2.6*	2.6*	**17.6**
–1.5	SW	4.7*	4.7*	8.4*	8.4*	9.2*	9.2*	7.6*	7.6*	6.4*	6.4*	5.4*	5.4*	4.6*	4.6*	3.8*	3.8*	2.8*	2.8*			2.8*	2.8*	**16.5**
–3.0	SW			8.4*	8.4*	8.3*	8.3*	6.9*	6.9*	5.8*	5.8*	4.9*	4.9*	4.0*	4.0*							3.2*	3.2*	**14.9**
–4.5	SW							5.8*	5.8*	4.8*	4.8*											4.4*	4.4*	**11.3**

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

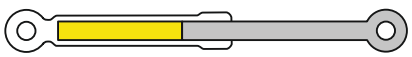
The lift capacities on the stick end without attachment are stated in metric tons (t) and can be slewed through 360° on a firm, level supporting surface. Capacities are valid for 600 mm wide flat pads. Indicated loads based on the ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic 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 working tools (grabs, load hooks, etc.) and load accommodation equipment 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.
In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

Liebherr ERC-System

Efficiency as standard

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 saving on fuel – and, at the same time, even greater performance.



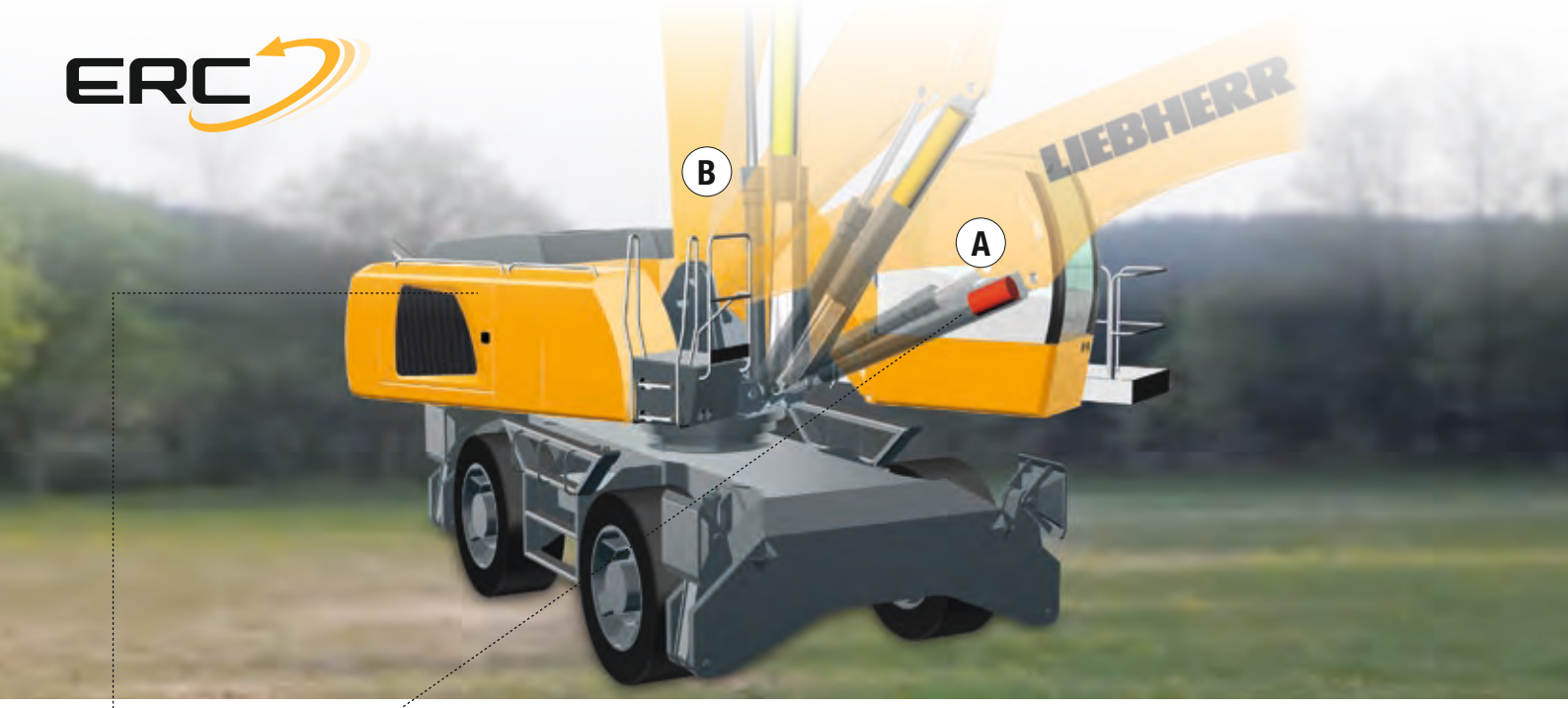
1. Attachment fitting raised / Energy released

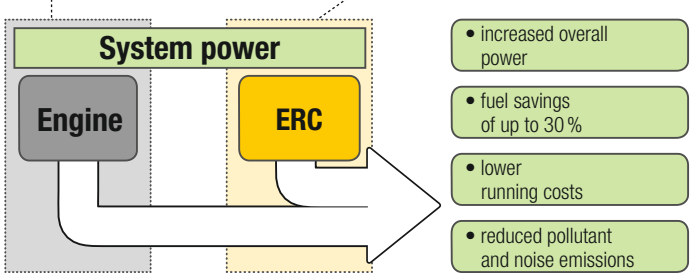
B

2. Lower attachment fitting / Store energy
4. Raise attachment fitting / Release energy

3. Attachment fitting lowered / Energy stored

A

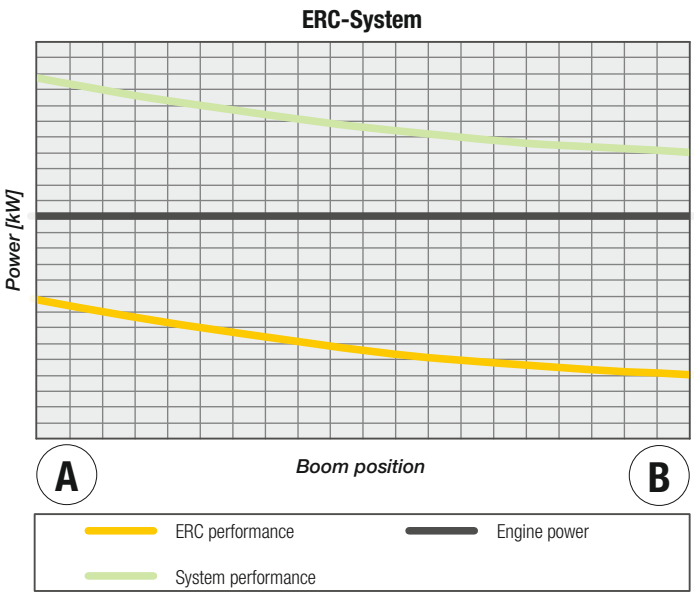




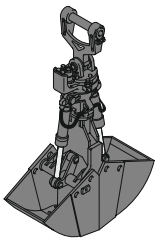
- increased overall power
- fuel savings of up to 30 %
- lower running costs
- reduced pollutant and noise emissions

System power

The energy recovery cylinder is a storage system which is independent of the 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 diesel engine.



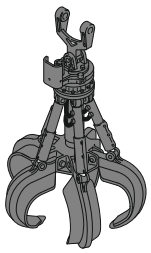
Working Tools



Shells for Loose Material

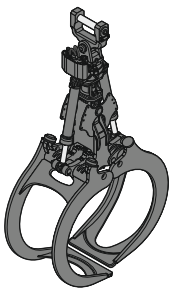
Shells for loose material with cutting edge (without teeth)

Grab model GM 20C											
Width of shells	mm	1,190	1,500	1,750	2,000	1,190	2,250	2,500	1,500	1,750	1,900
Capacity	m³	1.20	1.50	1.75	2.00	2.10	2.25	2.50	2.50	3.00	3.50
Weight	kg	1,520	1,645	1,750	1,850	1,715	1,955	2,060	1,865	1,985	2,055



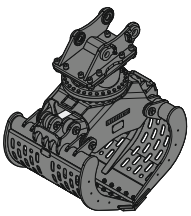
Multi-Tine Grab

		open		semi-closed		closed	
Grab model GM 65 (5 tines)							
Capacity	m³	0.40	0.60	0.40	0.60	0.40	0.60
Weight	kg	1,175	1,310	1,350	1,490	1,370	1,605
Grab model GM 69 (4 tines)							
Capacity	m³	0.80	1.10	0.80	1.10	0.80	1.10
Weight	kg	1,390	1,435	1,580	1,695	1,945	2,100
Grab model GM 70C (5 tines)							
Capacity	m³	0.80	1.10	0.80	1.10	0.80	1.10
Weight	kg	1,585	1,645	1,805	1,940	2,055	2,075



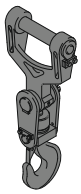
Wood Grab

Grab model GM 20B round-shaped (complete overlapping, vertical cylinders)						
Size	m²	1.00	1.30	1.50	1.70	1.90
Cutting width	mm	810	810	810	810	810
Height of grab, closed	mm	2,572	2,354	2,459	2,545	2,843
Weight	kg	1,570	1,600	1,620	1,650	1,785



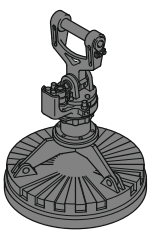
Sorting Grab

		ribbed	perforated	ribbed	perforated	ribbed	perforated
Grab model SG 30B							
Width of shells	mm	1,000	1,000	1,200	1,200	1,400	1,400
Capacity	m³	0.75	0.85	0.90	1.00	1.05	1.15
Max. closing force	kN	80	80	80	80	80	80
Weight incl. adapter plate SWA	kg	1,880	1,785	1,970	1,845	2,065	1,905



Load Hook with Suspension

Max. load	t	12.5
Height with suspension	mm	930
Weight	kg	135



Magnet Devices / Lifting Magnets

Generator	kW	13/17	13/17
Electromagnets with suspension			
Power	kW	8.8	10
Diameter of magnet	mm	1,250	1,350
Weight	kg	1,310*	1,700*

* only magnet plate

Equipment

Undercarriage

	40 M	50 M	40 C	50 M HR	50 C HR
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	+	+		+	
Tyres, variants	+	+			
Protection for piston rods, outriggers	+	+		+	
Undercarriage, variants			+		
Two lockable storage boxes	•	•		•	

Uppercarriage

	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	+	+	+	+	+
Refuelling system with filling pump	+	+	+	+	+
Railing on uppercarriage	+	+	+	•	•
Generator	+	+	+	+	+
Main battery switch for electrical system	•	•	•	•	•
Warning beacon on uppercarriage, LED	+	+	+	+	+
Protection for headlights	+	+	+		
Protection for rear lights	+	+	+		
Tool equipment, extended	•	•	•	•	

Hydraulic System

	40 M	50 M	40 C	50 M HR	50 C HR
Electronic pump regulation	•	•	•	•	•
Liebherr hydraulic oil from –20 °C to +40 °C	•	•	•	•	•
Liebherr hydraulic oil, biologically degradable	+	+	+	+	+
Liebherr hydraulic oil, specially for warm or cold regions	+	+	+		
Magnetic rod in hydraulic tank	•	•	•	•	•
Bypass filter	+	+	+	+	+
Preheating hydraulic oil	+	+	+	+	+

Engine

	40 M	50 M	40 C	50 M HR	50 C HR
Fuel anti-theft device	+	+	+	+	+
Air pre-filter with dust discharge	+	+	+	+	+
Preheating fuel	+	+	+	+	+
Preheating coolant*	+	+	+	+	+
Preheating engine oil*	+	+	+	+	+

Cooling System

	40 M	50 M	40 C	50 M HR	50 C HR
Reversible fan drive, fully automatic	+	+	+	+	+
Protective grid in front of cooler intake	•	•	•	•	•

Operator's Cab

	40 M	50 M	40 C	50 M HR	50 C HR
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)	+	+	+	+	+
Left arm console, folding	•	•	•	•	•
Armrest adjustable	•	•	•	•	•
Circular bubble level				•	•
Slewing gear brake, rocker switch in the right joystick	+	+	+	+	+
Driver profile, personalised (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. 12 km/h)	•	•		•	
Joystick and wheel steering (slim version)	+	+		+	
Cab elevation, hydraulic (LHC)	•	•	•	•	•
Cab elevation, rigid (LFC)	+	+	+		
Automatic air conditioning	•	•	•	•	•
Wheel steering (slim version)	+	+		+	
LiDAT, vehicle fleet management	•	•	•	•	•
Automatic engine shut-down (time adjustable)	+	+	+	+	+
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)	+	+		+	
Warning beacon on cab, LED	+	+	+	+	+
Windows made from impact-resistant laminated safety glass	+	+	+	•	•
Windscreen wiper, roof	+	+	+	+	+
Windshield wiper, entire windscreen	•	•	•	•	•
Top guard	+	+	+	+	+
Front guard, adjustable	+	+	+	+	+
Sun visor	+	+	+	+	+
Flashing light (xenon)	+	+	+	+	+

Attachment

	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	+	+	+	•	•
Attachment with electro-hydraulic end position control	•	•	•		
AutoLift	+	+	+	+	+
Pressure warning mechanism hoist cylinder	•	•	•	•	•
ERC system	•	•	•	•	•
Filter system for working tool	+	+	+	+	+
Electronic lift limitation	+	+	+	+	+
Boom cylinder cushioning	•	•	•	•	•
Industrial stick with quick coupling	+	+	+	+	+
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 valve stick cylinder	•	•	•	•	•
Quick coupling system LIKUFIX	+	+	+		
Quick coupling system MH40	+	+	+		
Protection for piston rod, energy recovering cylinder	+	+	+	+	+
Protection for piston rods, hoist cylinder	+	+	+	+	+
Stick shutoff (retract), electronically	•	•	•	•	
Stick shutoff (retract/extend), electronically	+	+	+	+	•
Retract stick without pressure	•	•	•	•	•
Overload warning device	+	+	+	+	+

Complete Machine

	40 M	50 M	40 C	50 M HR	50 C HR
Lubrication					
Lubrication undercarriage, manually – decentralised (grease points)	•	•			
Lubrication undercarriage, manually – centralised (one grease point)				•	
Central lubrication system for uppercarriage and attachment, automatically	•	•	•	•	•
Central lubrication system for undercarriage, automatically	+	+		+	
Special coating, variants	+	+	+	+	+
Monitoring					
Rear view monitoring with camera*	•	•	•	•	•
Side view monitoring with camera	•	•	•	•	•

• = Standard, + = Option
* = country-dependent

Options and/or special attachments, 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 of Companies

Wide Product Range
The Liebherr Group is one of the largest construction equipment manufacturers in the world. Liebherr's high-value products and services enjoy a high reputation in many other fields. The wide range includes domestic appliances, aerospace and transportation systems, machine tools and maritime cranes.

Exceptional Customer Benefit
Every product line provides a complete range of models in many different versions. With both their technical excellence and acknowledged quality, Liebherr products offer a maximum of customer benefits in practical applications.

State-of-the-art Technology
To provide consistent, top quality products, Liebherr attaches great importance to each product area, its components and core technologies. Important modules and components are developed and manufactured in-house, for instance the entire drive and control technology for construction equipment.

Worldwide and Independent
Hans Liebherr founded the Liebherr family company in 1949. Since that time, the enterprise has steadily grown to a group of more than 130 companies with over 41,000 employees located on all continents. The corporate headquarters of the Group is Liebherr-International AG in Bulle, Switzerland. The Liebherr family is the sole owner of the company.

www.liebherr.com

Printed in Germany by Schirmer RG-BK-RP LHB/VF 11838266-2-10.16_enGB

Liebherr-Hydraulikbagger GmbH
Liebherrstraße 12, D-88457 Kirchdorf/Iller
☎ +49 7354 80-0, Fax +49 7354 80-7294
www.liebherr.com, E-Mail: info.lhb@liebherr.com
www.facebook.com/LiebherrConstruction