Technical data

Diesel engine

Rating	
per SAE J1349	208 HP (155 kW) at 1,800 rpm
per ISO 9249	211 HP (155 kW) at 1,800 rpm
Model	Liebherr D934
Type	4 cylinder in-line
Bore / Stroke	4.8 / 5.9 in
Displacement	427,17 in³
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 V	
Harmful emissions values	According to regulation (EU) 2016/1628
Emission control	Liebherr-SCRFilter technology
Fuel tank	120 gal
Urea tank	17 gal
Stage IIIA (compliant)	
Harmful emissions values	In accordance with ECE-R.96 Power Band H
Fuel tank	120 gal
Tier 4 Final	
Harmful emissions values	In accordance with 40CFR1039 (EPA) / 13CCR (CARB)
Emission control	Liebherr-SCR technology
Fuel tank	120 gal
Urea tank	17 gal

Electric motor

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

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

Cooling system

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

Hydraulic controls

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

Hydraulic system

Hydraulic pump	
For equipment and travel drive	2 Liebherr axial piston variable displacement pumps (double construction)
Max. flow	2 x 63 gpm
Max. pressure	5,076 psi
For swing drive	Reversible axial piston variable displacement pump, closed-loop circuit
Max. flow	38 gpm
Max. pressure	5,366 psi
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	75 gal
Hydraulic system	160 gal
Filtration	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: 20 pre-adjustable pump flows and pressures for add-on attachments

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	0–4.7 rpm stepless (LH 40) 0–5.0 rpm stepless (LH 50) 0–4.0 rpm stepless (High Rise)
Swing torque	61,955 lbf ft
Holding brake	Wet multi-disc (spring applied, pressure released)
Option	Slewing gear brake Comfort

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, sound damping insulating, tinted laminated safety glass, separate shades for the sunroof window and windscreen
High Rise	Deviating from standard: safety cab structure with fixed built-in front and roof window made from impact-resistant laminated safety glass
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 climatization with active coal
Operator's seat Premium (Option)	In addition to operator's seat comfort: active electronic weight adjustment (automatic readjustment), pneumatic low frequency suspension and active seat climatization with active coal and ventilator
Arm consoles	Joysticks with control consoles and swivel seat, folding left control console
Operation and displays	Large high-resolution operating unit, self-explanatory, color display with touchscreen, video-compatible, numerous setting, control and monitoring options, e.g. air conditioning control, fuel consumption respectively energy consumption, machine and attachment parameters
Air-conditioning	
Diesel engine	Automatic air-conditioning, recirculated air function, fast de-icing and demisting at the press of a button, air vents can be operated via a menu; recirculated air and fresh air filters can be easily replaced and are accessible from the outside; heating-cooling unit, designed for extreme outside temperatures, sensors for solar radiation, inside and outside temperatures
Electric motor	In addition to diesel engine: stationary air conditioning function with external climate condenser – controlled by a weekly timer

Equipment

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

Undercarriage

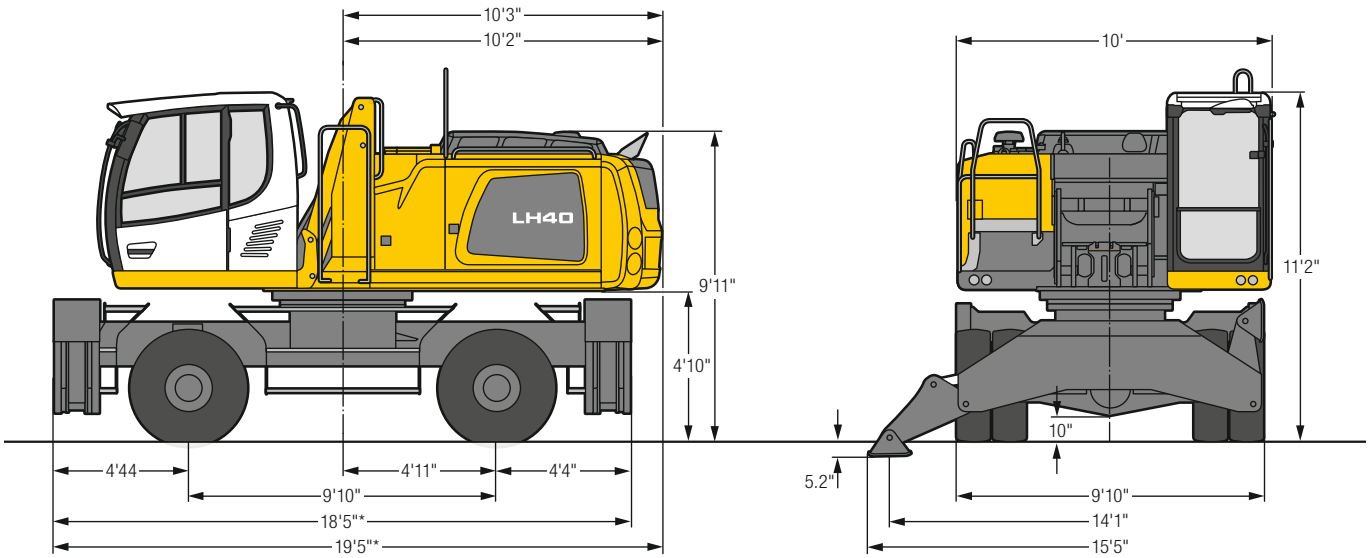
Mobile	
Versions	Standard, High Rise
Drive	Oversized two speed power shift transmission with additional creeper speed, Liebherr axial piston motor with functional brake valve on both sides
Travel speed Joystick steering	0–1.9 mph stepless (creeper speed + transmission stage 1) (Diesel) 0–1.5 mph stepless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

Complete machine

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

LH 40 M – Dimensions

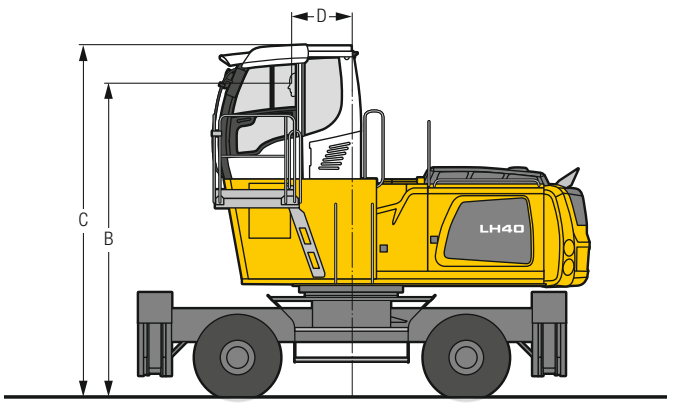
Industry



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

LH 40 M – Choice of cab elevation

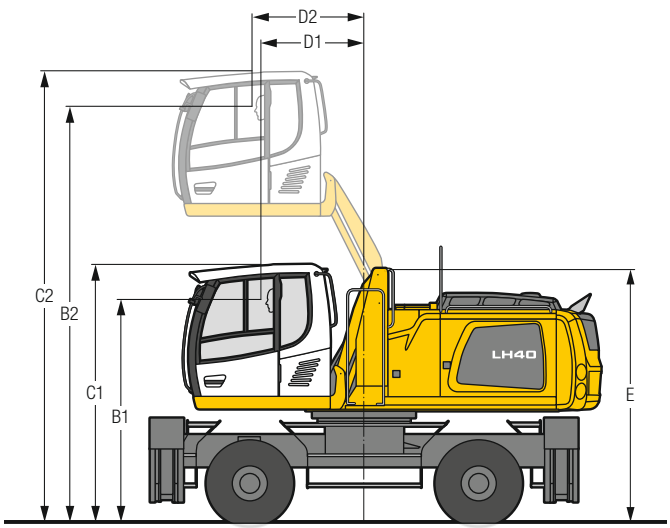
Cab elevation LFC (rigid elevation)



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

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

Cab elevation LHC (hydraulic elevation)



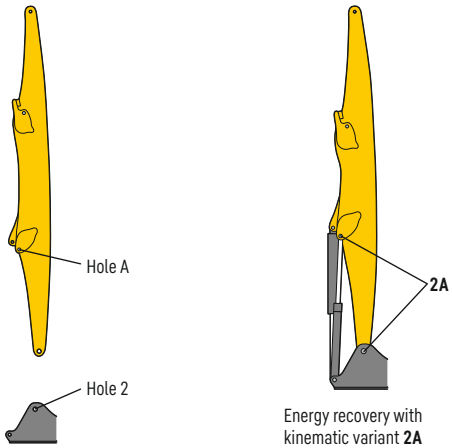
Increase type	LHC 255
B1	9' 8"
B2	18'
C1	11' 2"
C2	19' 6"
D1	4' 5"
D2	4'10"
E	11'

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

Tires 12.00-20

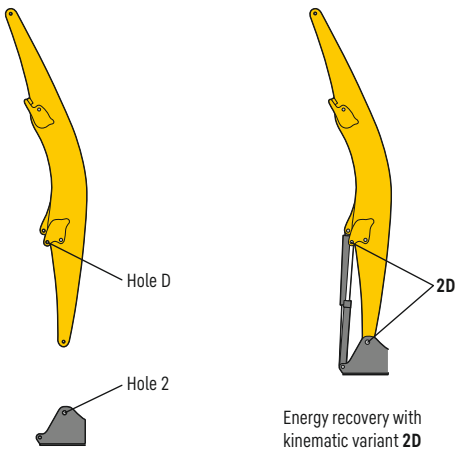
Kinematic variants

Kinematic variant 2A

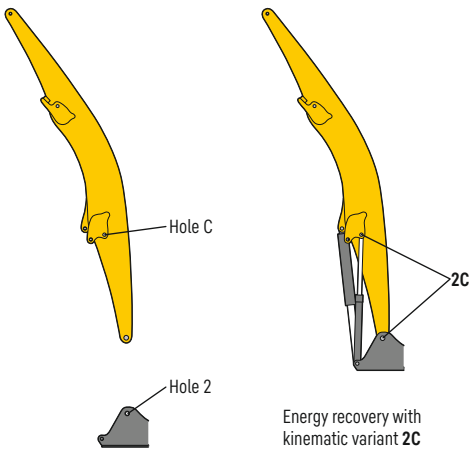


Energy recovery with
kinematic variant **2A**

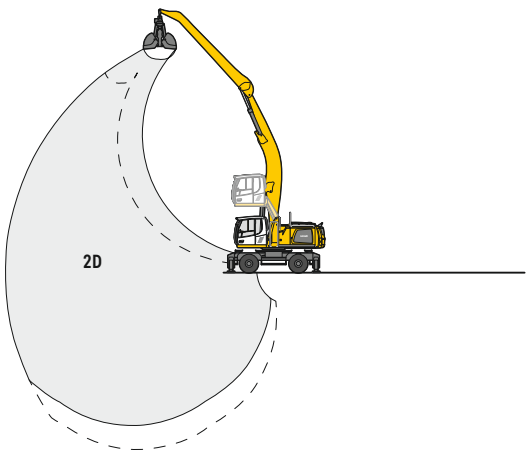
Kinematic variant 2D / 2C

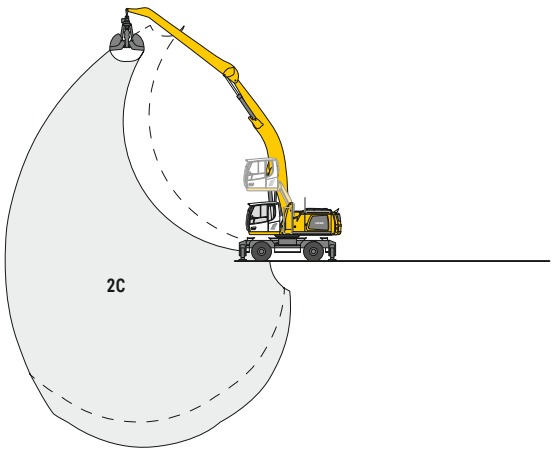


Energy recovery with
kinematic variant **2D**



Energy recovery with
kinematic variant **2C**

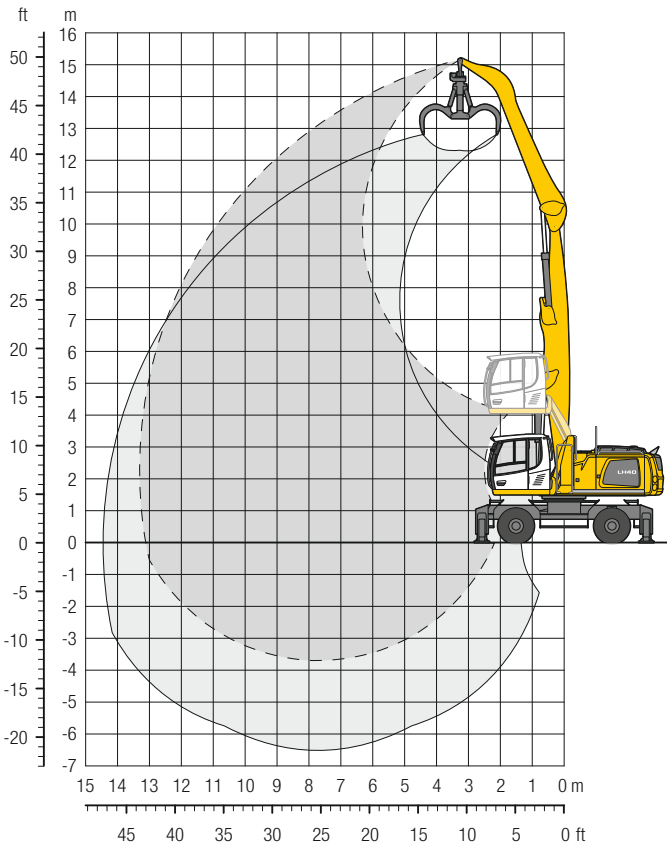




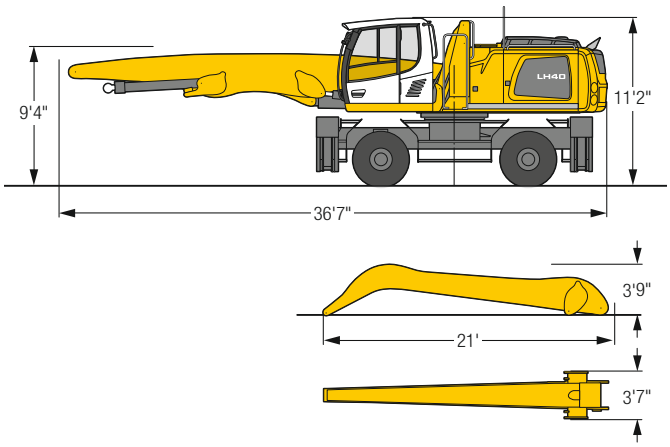
Altered range curve with additional reach depth, e.g. for unloading from ships

LH 40 M – Equipment GA13

Industry – Kinematic 2A



Dimensions



Operating weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 8 solid tires plus intermediate rings, straight boom 24'11", angled stick 19'8" and multi-tine grab GMM 50-5/1.18 yd³ semi-closed tines.

Weight	84,200 lb

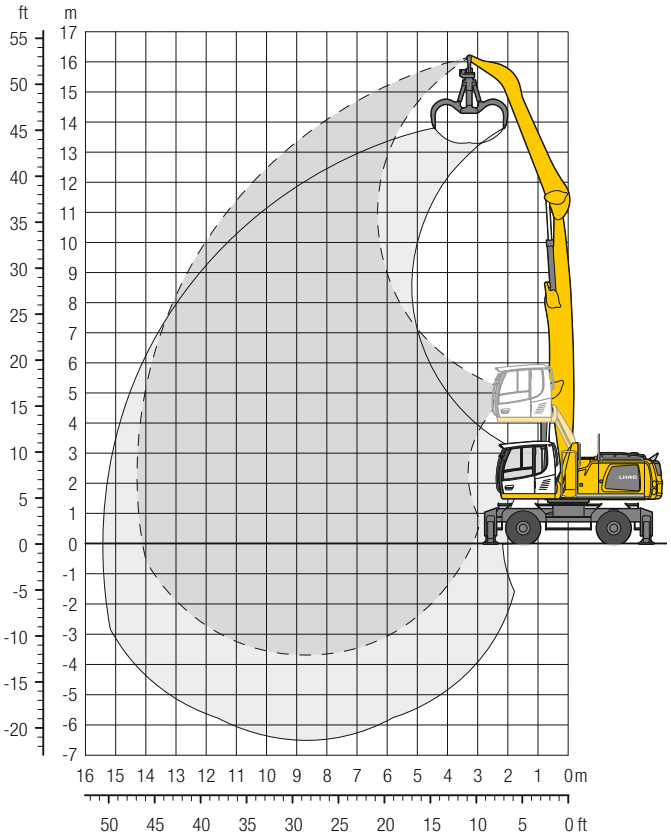
ft	Undercarriage	15 ft		20 ft		25 ft		30 ft		35 ft		40 ft		45 ft		50 ft		55 ft				ft in
50	Stabilizers raised																					
	4 pt. outriggers down																					
45	Stabilizers raised			18,3*	18,3*															15,3*	15,3*	22' 2"
	4 pt. outriggers down			18,3*	18,3*															15,3*	15,3*	
40	Stabilizers raised			20,5	21,5*	14,1	17,9													10,6	12,9*	29' 1"
	4 pt. outriggers down			21,5*	21,5*	18,3*	18,3*													12,9*	12,9*	
35	Stabilizers raised					14,5	18,3*	10,5	13,4											8,1	10,6	33'11"
	4 pt. outriggers down					18,3*	18,3*	16,5*	16,5*											11,7*	11,7*	
30	Stabilizers raised					14,5	18,2*	10,5	13,5	7,9	10,2									6,8	8,9	37' 5"
	4 pt. outriggers down					18,2*	18,2*	16,3*	16,3*	14,9*	14,9*									11,1*	11,1*	
25	Stabilizers raised			20,3	21,4*	14,2	18,0	10,4	13,3	7,8	10,2	5,9	7,9							5,9	7,9	40'
	4 pt. outriggers down			21,4*	21,4*	18,6*	18,6*	16,5*	16,5*	14,9*	14,9*	10,8*	10,8*							10,7*	10,7*	
20	Stabilizers raised			19,4	22,6*	13,6	17,4	10,0	12,9	7,6	10,0	5,9	7,9							5,3	7,2	41'11"
	4 pt. outriggers down			22,6*	22,6*	19,3*	19,3*	16,9*	16,9*	15,0*	15,0*	12,4	13,4*							10,6*	10,6*	
15	Stabilizers raised	28,1	31,0*	18,0	23,4	12,7	16,5	9,5	12,4	7,3	9,7	5,8	7,7							5,0	6,7	43'
	4 pt. outriggers down	31,0*	31,0*	24,4*	24,4*	20,2*	20,2*	17,4*	17,4*	15,2*	15,2*	12,3	13,4*							10,6*	10,6*	
10	Stabilizers raised	24,7	33,5	16,3	21,6	11,8	15,5	9,0	11,8	7,0	9,3	5,6	7,5							4,8	6,5	43' 7"
	4 pt. outriggers down	34,9*	34,9*	26,3*	26,3*	21,2*	21,2*	17,9*	17,9*	14,8	15,4*	12,1	13,2*							10,6	10,8*	
5	Stabilizers raised	21,5	30,1	14,7	19,9	10,9	14,6	8,4	11,2	6,7	9,0	5,4	7,3							4,7	6,4	43' 7"
	4 pt. outriggers down	37,5*	37,5*	27,6*	27,6*	21,9*	21,9*	18,1	18,1*	14,5	15,3*	11,9	12,9*							10,5	10,6*	
0	Stabilizers raised	19,6	22,0*	13,5	18,6	10,1	13,8	7,9	10,7	6,4	8,7	5,2	7,2							4,7	6,5	43'
	4 pt. outriggers down	22,0*	22,0*	27,7*	27,7*	21,9*	21,9*	17,6	17,9*	14,1	14,8*	11,7	12,0*							9,6*	9,6*	
- 5	Stabilizers raised	18,8	20,6*	12,9	17,9	9,6	13,3	7,6	10,4	6,2	8,5	5,2	7,1							5,1	7,0	40' 6"
	4 pt. outriggers down	20,6*	20,6*	26,1*	26,1*	20,8*	20,8*	16,8*	16,8*	13,6*	13,6*	10,1*	10,1*							9,7*	9,7*	
-10	Stabilizers raised			12,6	17,6	9,4	13,0	7,5	10,3											6,3	8,7	34' 2"
	4 pt. outriggers down			22,3*	22,3*	18,1*	18,1*	14,5*	14,5*											11,7*	11,7*	

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

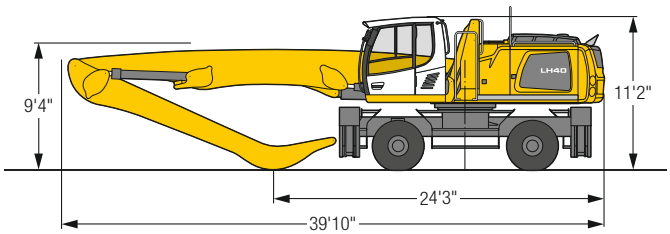
The lift capacities on the stick end without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the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

LH 40 M – Equipment GA14

Industry – Kinematic 2A



Dimensions



Operating weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 8 solid tires plus intermediate rings, straight boom 28'3", angled stick 19'8" and multi-tine grab GMM 50-5 / 1.18 yd³ semi-closed tines.

Weight	84,900 lb

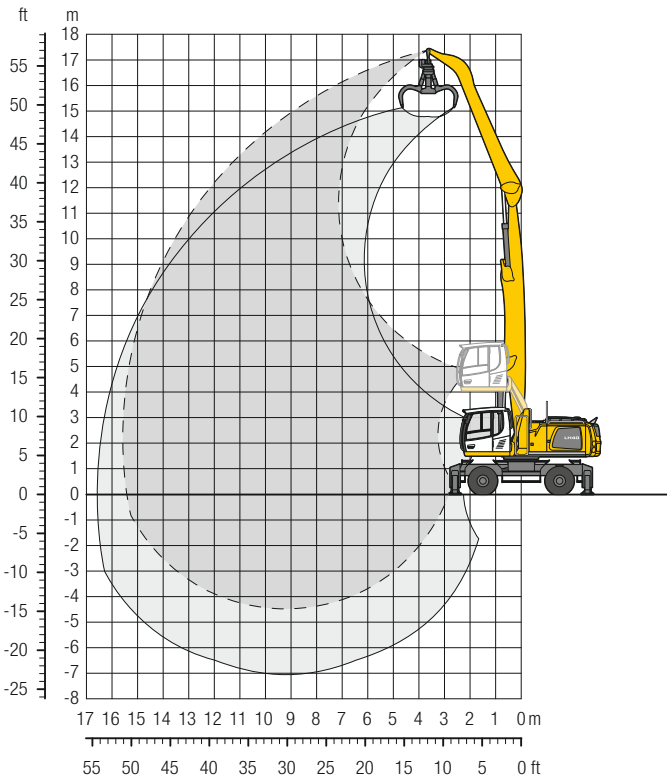
ft	Undercarriage	15 ft		20 ft		25 ft		30 ft		35 ft		40 ft		45 ft		50 ft		55 ft				ft in
50	Stabilizers raised	21,6*	21,6*																	17,0*	17,0*	19' 6"
	4 pt. outriggers down	21,6*	21,6*																	17,0*	17,0*	
45	Stabilizers raised			20,2	21,1*	13,8	17,5*													11,1	13,6*	28'
	4 pt. outriggers down			21,1*	21,1*	17,5*	17,5*													13,6*	13,6*	
40	Stabilizers raised					14,4	18,0*	10,3	13,3											8,0	10,5	33' 8"
	4 pt. outriggers down					18,0*	18,0*	16,0*	16,0*											12,2*	12,2*	
35	Stabilizers raised					14,5	17,8*	10,5	13,5	7,8	10,1									6,4	8,5	38'
	4 pt. outriggers down					17,8*	17,8*	15,7*	15,7*	14,2*	14,2*									11,4*	11,4*	
30	Stabilizers raised			20,6	21,0*	14,3	17,9*	10,4	13,3	7,8	10,1	5,8	7,8							5,4	7,3	41' 1"
	4 pt. outriggers down			21,0*	21,0*	17,9*	17,9*	15,7*	15,7*	14,1*	14,1*	12,4	12,7*							10,9*	10,9*	
25	Stabilizers raised			19,8	21,8*	13,7	17,6	10,1	13,0	7,6	10,0	5,8	7,8							4,8	6,5	43' 6"
	4 pt. outriggers down			21,8*	21,8*	18,4*	18,4*	16,0*	16,0*	14,2*	14,2*	12,4	12,7*							10,6	10,7*	
20	Stabilizers raised	28,0*	28,0*	18,4	23,1*	12,9	16,8	9,6	12,5	7,3	9,6	5,7	7,6	4,4	6,0					4,3	6,0	45' 2"
	4 pt. outriggers down	28,0*	28,0*	23,1*	23,1*	19,1*	19,1*	16,4*	16,4*	14,4*	14,4*	12,2	12,7*	9,9	11,1*					9,9	10,6*	
15	Stabilizers raised	25,6	32,5*	16,7	22,0	11,9	15,7	8,9	11,8	6,9	9,2	5,4	7,4	4,3	6,0					4,0	5,6	46' 4"
	4 pt. outriggers down	32,5*	32,5*	24,6*	24,6*	20,0*	20,0*	16,9*	16,9*	14,6*	14,6*	12,0	12,8*	9,9	11,0*					9,4	10,5*	
10	Stabilizers raised	21,6	30,2	14,7	19,9	10,8	14,5	8,2	11,1	6,5	8,8	5,2	7,1	4,1	5,8					3,8	5,4	46'10"
	4 pt. outriggers down	35,4*	35,4*	26,1*	26,1*	20,7*	20,7*	17,3*	17,3*	14,3	14,7*	11,7	12,7*	9,7	10,8*					9,1	9,8*	
5	Stabilizers raised	13,0*	13,0*	13,0	18,1	9,8	13,4	7,6	10,4	6,1	8,4	4,9	6,8	4,0	5,7					3,8	5,3	46'10"
	4 pt. outriggers down	13,0*	13,0*	26,7*	26,7*	21,1*	21,1*	17,3	17,4*	13,8	14,6*	11,4	12,4*	9,6	10,2*					9,0	9,1*	
0	Stabilizers raised	11,5*	11,5*	11,9	17,0	9,0	12,6	7,1	9,9	5,7	8,0	4,7	6,6	3,9	5,6					3,8	5,4	46' 4"
	4 pt. outriggers down	11,5*	11,5*	26,0*	26,0*	20,7*	20,7*	16,7	17,0*	13,5	14,2*	11,2	11,8*	9,2*	9,2*					8,2*	8,2*	
- 5	Stabilizers raised	13,1*	13,1*	11,4	16,4	8,6	12,1	6,8	9,6	5,5	7,8	4,6	6,5							4,1	5,8	43' 8"
	4 pt. outriggers down	13,1*	13,1*	23,6*	23,6*	19,3*	19,3*	15,9*	15,9*	13,1*	13,1*	10,5*	10,5*							8,3*	8,3*	
-10	Stabilizers raised			11,2	16,2	8,4	11,9	6,6	9,4	5,4	7,7									5,0	7,0	37' 6"
	4 pt. outriggers down			19,6*	19,6*	16,6*	16,6*	13,8*	13,8*	11,1*	11,1*									9,8*	9,8*	

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

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

LH 40 M – Equipment GA16

Industry – Kinematic 2A



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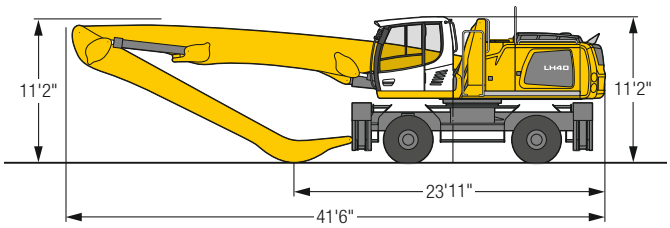


Operating weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 8 solid tires plus intermediate rings, straight boom 29'10", angled stick 22'4" and multi-tine grab GM 65 / 0.78 yd³ semi-closed tines.

Weight	84,900 lb

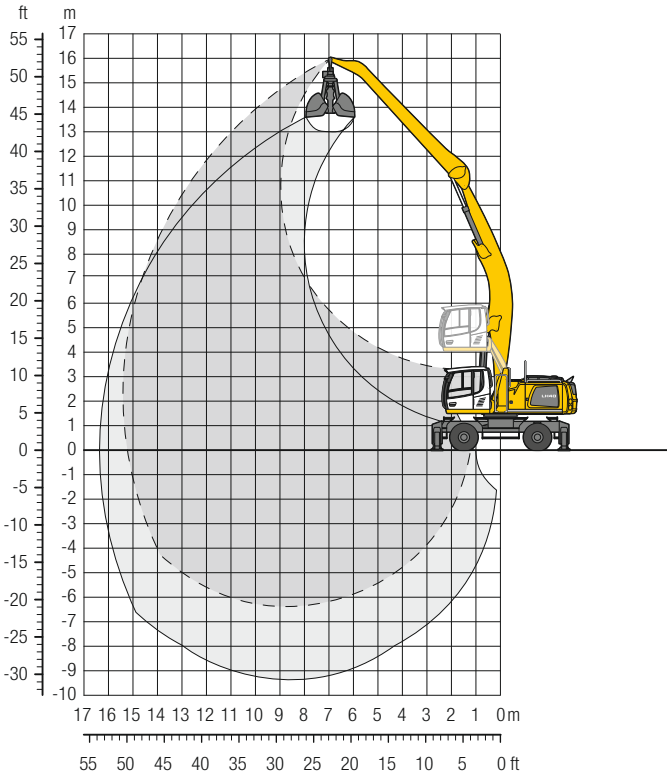
ft	Undercarriage	15 ft		20 ft		25 ft		30 ft		35 ft		40 ft		45 ft		50 ft		55 ft				ft in
55	Stabilizers raised			19,5*	19,5*															16,3*	16,3*	18' 4"
	4 pt. outriggers down			19,5*	19,5*															16,3*	16,3*	
50	Stabilizers raised					18,9*	18,9*	14,1	15,9*											11,1	12,6*	28' 2"
	4 pt. outriggers down					18,9*	18,9*	15,9*	15,9*											12,6*	12,6*	
45	Stabilizers raised							14,8	17,3*	10,6	13,6									7,7	10,1	34' 7"
	4 pt. outriggers down							17,3*	17,3*	15,2*	15,2*									11,0*	11,0*	
40	Stabilizers raised							15,2	16,9*	10,9	13,9	8,0	10,4							6,0	8,0	39' 5"
	4 pt. outriggers down							16,9*	16,9*	14,9*	14,9*	13,4*	13,4*							10,1*	10,1*	
35	Stabilizers raised							15,1	16,9*	11,0	14,0	8,1	10,5	6,0	8,0					4,9	6,7	43'
	4 pt. outriggers down							16,9*	16,9*	14,8*	14,8*	13,2*	13,2*	12,0*	12,0*					9,6*	9,6*	
30	Stabilizers raised							14,8	17,1*	10,7	13,7	8,0	10,4	6,0	8,0	4,5	6,2			4,2	5,9	45'11"
	4 pt. outriggers down							17,1*	17,1*	14,9*	14,9*	13,3*	13,3*	12,0*	12,0*	10,1	10,8*			9,3*	9,3*	
25	Stabilizers raised					20,5	20,9*	14,1	17,6*	10,3	13,3	7,7	10,1	5,9	7,9	4,5	6,2			3,7	5,3	48'
	4 pt. outriggers down					20,9*	20,9*	17,6*	17,6*	15,2*	15,2*	13,4*	13,4*	12,0*	12,0*	10,1	10,8*			8,9	9,1*	
20	Stabilizers raised					19,0	22,1*	13,2	17,1	9,7	12,6	7,3	9,7	5,6	7,6	4,3	6,0			3,4	4,9	49' 6"
	4 pt. outriggers down					22,1*	22,1*	18,3*	18,3*	15,6*	15,6*	13,7*	13,7*	12,1*	12,1*	10,0	10,8*			8,3	9,1*	
15	Stabilizers raised			26,3	31,2*	16,9	22,4	12,0	15,8	8,9	11,8	6,8	9,2	5,3	7,3	4,1	5,8	3,2	4,7	3,1	4,6	50' 6"
	4 pt. outriggers down			31,2*	31,2*	23,6*	23,6*	19,1*	19,1*	16,1*	16,1*	13,9*	13,9*	11,9	12,2*	9,8	10,7*	8,1	9,2*	7,9	8,9*	
10	Stabilizers raised			21,7	30,3	14,7	19,9	10,7	14,4	8,1	11,0	6,3	8,6	5,0	6,9	3,9	5,6	3,1	4,6	3,0	4,4	51'
	4 pt. outriggers down			34,0*	34,0*	25,0*	25,0*	19,9*	19,9*	16,5*	16,5*	14,1*	14,1*	11,5	12,2*	9,5	10,6*	8,0	8,9*	7,7	8,4*	
5	Stabilizers raised			11,9*	11,9*	12,6	17,7	9,4	13,1	7,3	10,1	5,8	8,1	4,6	6,5	3,7	5,4	3,0	4,5	2,9	4,3	51'
	4 pt. outriggers down			11,9*	11,9*	25,8*	25,8*	20,3*	20,3*	16,7*	16,7*	13,6	14,1*	11,1	12,1*	9,3	10,3*	7,9	8,4*	7,6	7,8*	
0	Stabilizers raised			9,7*	9,7*	11,2	16,2	8,5	12,1	6,7	9,5	5,3	7,6	4,3	6,2	3,5	5,2	2,9	4,4	2,9	4,3	50' 6"
	4 pt. outriggers down			9,7*	9,7*	25,3*	25,3*	20,1*	20,1*	16,3	16,5*	13,1	13,8*	10,8	11,7*	9,1	9,8*	7,4*	7,4*	7,0*	7,0*	
- 5	Stabilizers raised			10,8*	10,8*	10,4	15,4	7,9	11,4	6,2	9,0	5,0	7,3	4,1	6,0	3,4	5,1			3,0	4,6	48' 8"
	4 pt. outriggers down			10,8*	10,8*	22,4*	22,4*	19,0*	19,0*	15,7*	15,7*	12,7	13,1*	10,6	10,9*	8,8*	8,8*			6,8*	6,8*	
-10	Stabilizers raised					10,1	15,0	7,5	11,1	5,9	8,7	4,8	7,1	4,0	5,9					3,5	5,2	44'
	4 pt. outriggers down					20,2*	20,2*	16,9*	16,9*	14,1*	14,1*	11,7*	11,7*	9,5*	9,5*					7,6*	7,6*	
-15	Stabilizers raised																					
	4 pt. outriggers down																					

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

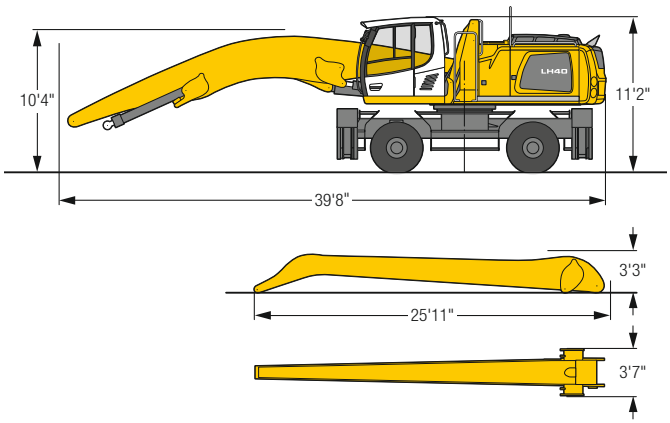
The lift capacities on the stick end without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the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

LH 40 M – Equipment AF15

Industry – Kinematic 2D



Dimensions



Operating weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 8 solid tires plus intermediate rings, angled boom 28'3", flat angled stick 24'7" and grab for loose material GMZ 40 / 1.96 yd³.

Weight	86,100 lb

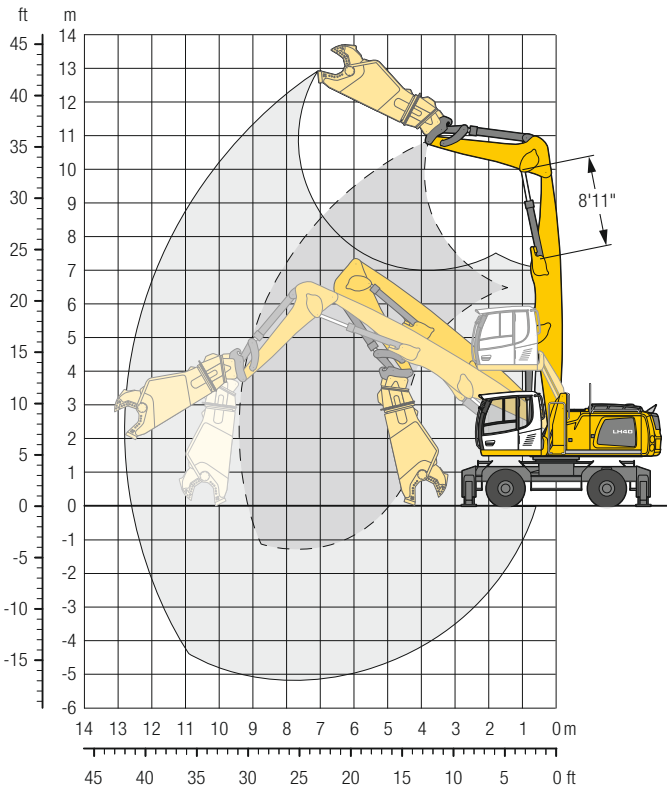
ft	Undercarriage	15 ft		20 ft		25 ft		30 ft		35 ft		40 ft		45 ft		50 ft		55 ft				ft in
50	Stabilizers raised					12,3*	12,3*													10,7*	10,7*	26'11"
	4 pt. outriggers down					12,3*	12,3*													10,7*	10,7*	
45	Stabilizers raised							11,4	12,5*											9,0	9,4*	33' 7"
	4 pt. outriggers down							12,5*	12,5*											9,4*	9,4*	
40	Stabilizers raised							11,8	12,6*	8,7	11,1									6,9	8,8*	38' 6"
	4 pt. outriggers down							12,6*	12,6*	11,6*	11,6*									8,8*	8,8*	
35	Stabilizers raised							11,9	12,5*	8,8	11,2	6,5	8,5							5,7	7,5	42' 2"
	4 pt. outriggers down							12,5*	12,5*	11,5*	11,5*	10,7*	10,7*							8,4*	8,4*	
30	Stabilizers raised							11,7	12,6*	8,7	11,2	6,6	8,6	4,8	6,6					4,8	6,5	45' 1"
	4 pt. outriggers down							12,6*	12,6*	11,5*	11,5*	10,6*	10,6*	8,3*	8,3*					8,2*	8,2*	
25	Stabilizers raised							11,3	12,9*	8,5	10,9	6,4	8,4	4,8	6,6					4,2	5,8	47' 4"
	4 pt. outriggers down							12,9*	12,9*	11,7*	11,7*	10,7*	10,7*	9,9*	9,9*					8,1*	8,1*	
20	Stabilizers raised					14,7	15,2*	10,7	13,4*	8,1	10,5	6,2	8,2	4,7	6,4					3,8	5,3	48'10"
	4 pt. outriggers down					15,2*	15,2*	13,4*	13,4*	12,0*	12,0*	10,9*	10,9*	10,0*	10,0*					8,1*	8,1*	
15	Stabilizers raised			19,5	19,5*	13,5	16,3*	10,0	12,9	7,5	9,9	5,8	7,8	4,5	6,2					3,4	4,9	49'11"
	4 pt. outriggers down			19,5*	19,5*	16,3*	16,3*	14,1*	14,1*	12,4*	12,4*	11,1*	11,1*	10,1*	10,1*					8,3*	8,3*	
10	Stabilizers raised	26,3	28,4*	17,1	21,5*	12,1	16,0	9,1	12,0	6,9	9,3	5,4	7,4	4,2	5,9	3,3	4,8			3,2	4,7	50' 5"
	4 pt. outriggers down	28,4*	28,4*	21,5*	21,5*	17,4*	17,4*	14,8*	14,8*	12,8*	12,8*	11,4*	11,4*	9,9	10,2*	8,2	9,1*			8,1	8,5*	
5	Stabilizers raised	21,6	30,3	14,7	20,0	10,7	14,5	8,1	11,0	6,3	8,7	5,0	7,0	4,0	5,7	3,1	4,6			3,1	4,6	50' 4"
	4 pt. outriggers down	31,7*	31,7*	23,3*	23,3*	18,5*	18,5*	15,4*	15,4*	13,2*	13,2*	11,6*	11,6*	9,6	10,2*	8,1	8,9*			8,0	8,8*	
0	Stabilizers raised	18,1	20,7*	12,7	17,8	9,5	13,2	7,3	10,2	5,8	8,1	4,6	6,6	3,7	5,4					3,0	4,5	49'10"
	4 pt. outriggers down	20,7*	20,7*	24,4*	24,4*	19,2*	19,2*	15,8*	15,8*	13,5*	13,5*	11,2	11,7*	9,3	10,1*					8,0	8,6*	
- 5	Stabilizers raised	16,3	16,9*	11,3	16,4	8,5	12,2	6,7	9,5	5,3	7,6	4,3	6,3	3,5	5,2					3,1	4,6	48'10"
	4 pt. outriggers down	16,9*	16,9*	24,7*	24,7*	19,4*	19,4*	16,0*	16,0*	13,1	13,4*	10,8	11,5*	9,1	9,8*					8,1	8,3*	
-10	Stabilizers raised	15,4	16,8*	10,5	15,5	7,9	11,5	6,2	9,0	5,0	7,3	4,1	6,0	3,4	5,1					3,2	4,8	47' 2"
	4 pt. outriggers down	16,8*	16,8*	23,8*	23,8*	19,0*	19,0*	15,6*	15,6*	12,8	13,0*	10,6	11,0*	9,0*	9,0*					7,9*	7,9*	
-15	Stabilizers raised	15,2	17,8*	10,2	15,2	7,6	11,2	5,9	8,7	4,8	7,1	4,0	5,9							3,5	5,2	44' 5"
	4 pt. outriggers down	17,8*	17,8*	21,7*	21,7*	17,6*	17,6*	14,5*	14,5*	12,0*	12,0*	9,8*	9,8*							7,7*	7,7*	
-20	Stabilizers raised					7,5	11,1	5,9	8,7	4,8	7,1									4,8	7,1	35' 1"
	4 pt. outriggers down					15,1*	15,1*	12,4*	12,4*	10,1*	10,1*									10,0*	10,0*	

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

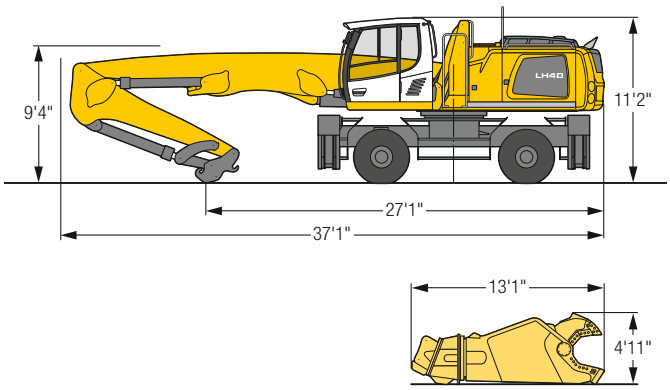
The lift capacities on the stick end without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the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

LH 40 M – Equipment GS11

Industry – Kinematic 2A



Dimensions



Operating weight

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

Weight	95,000 lb

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

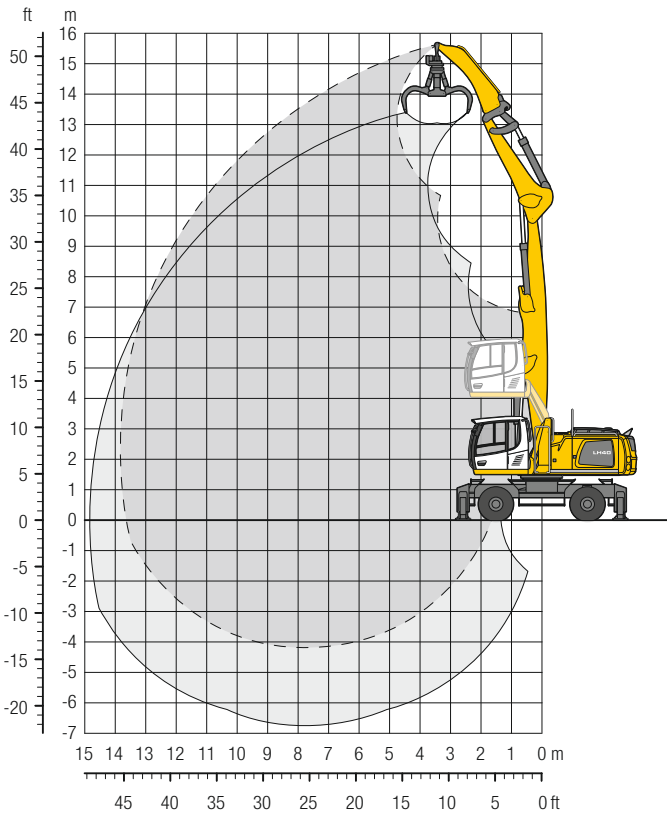
ft	Undercarriage	15 ft		20 ft		25 ft		30 ft		35 ft		40 ft		45 ft		50 ft		55 ft				ft in
45	Stabilizers raised																					
	4 pt. outriggers down																					
40	Stabilizers raised					8,8*	8,8*													7,4	8,1*	26' 5"
	4 pt. outriggers down					8,8*	8,8*													8,1*	8,1*	
35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

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

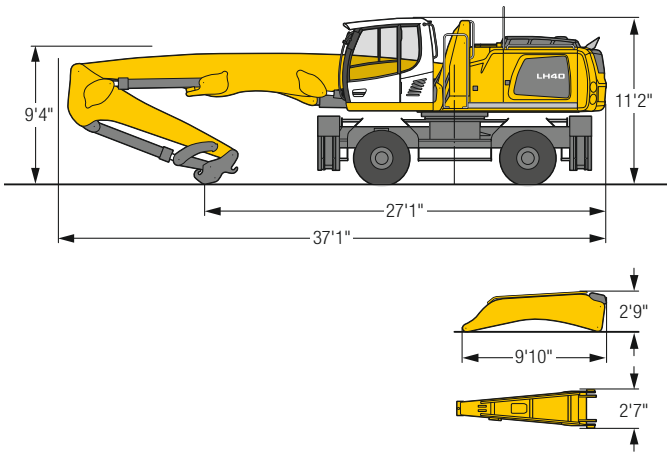
The lift capacities on the stick end without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the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

LH 40 M – Equipment GSV14

Industry – Kinematic 2A



Dimensions



Operating weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 8 solid tires plus intermediate rings, straight boom 24'11", stick HD with tipping kinematics special 11'10", quick coupler SWA 66, stick extension 8'10" and multi-tine grab GM 65 / 0.78 yd³ semi-closed tines.

Weight	88,600 lb

ft	Undercarriage	15 ft		20 ft		25 ft		30 ft		35 ft		40 ft		45 ft		50 ft		55 ft				ft in
50	Stabilizers raised	17,3*	17,3*																	17,1*	17,1*	15' 1"
	4 pt. outriggers down	17,3*	17,3*																	17,1*	17,1*	
45	Stabilizers raised			17,4*	17,4*	11,9	12,3*													11,6	12,0*	25' 2"
	4 pt. outriggers down			17,4*	17,4*	12,3*	12,3*													12,0*	12,0*	
40	Stabilizers raised					13,0	16,1*	8,4	11,4											7,3	10,1*	31' 6"
	4 pt. outriggers down					16,1*	16,1*	12,3*	12,3*											10,1*	10,1*	
35	Stabilizers raised					13,4	15,6*	8,9	11,9	5,7	8,1									5,2	7,5	35'11"
	4 pt. outriggers down					15,6*	15,6*	13,6*	13,6*	10,8*	10,8*									9,0*	9,0*	
30	Stabilizers raised					13,3	15,4*	8,9	11,9	5,9	8,3									3,9	6,0	39' 4"
	4 pt. outriggers down					15,4*	15,4*	13,4*	13,4*	11,8*	11,8*									8,4*	8,4*	
25	Stabilizers raised					12,8	15,6*	8,6	11,6	5,8	8,2	3,7	5,7							3,1	5,0	41'10"
	4 pt. outriggers down					15,6*	15,6*	13,4*	13,4*	11,7*	11,7*	10,3*	10,3*							8,1*	8,1*	
20	Stabilizers raised			18,3	19,4*	11,9	15,8	8,0	11,0	5,4	7,8	3,6	5,6							2,5	4,3	43' 6"
	4 pt. outriggers down			19,4*	19,4*	16,0*	16,0*	13,6*	13,6*	11,8*	11,8*	10,3*	10,3*							7,9*	7,9*	
15	Stabilizers raised	23,2*	23,2*	16,3	20,6*	10,6	14,5	7,2	10,2	4,9	7,3	3,3	5,3							2,1	3,9	44' 8"
	4 pt. outriggers down	23,2*	23,2*	20,6*	20,6*	16,7*	16,7*	13,9*	13,9*	11,9*	11,9*	10,0	10,2*							7,9	7,9*	
10	Stabilizers raised	22,4	29,6*	13,8	19,2	9,2	13,0	6,3	9,3	4,4	6,7	3,0	5,0	1,9	3,6					1,9	3,6	45' 2"
	4 pt. outriggers down	29,6*	29,6*	21,9*	21,9*	17,3*	17,3*	14,2*	14,2*	12,0*	12,0*	9,6	10,1*	7,6	7,9*					7,5	7,8*	
5	Stabilizers raised	17,6	26,2	11,4	16,6	7,8	11,5	5,5	8,3	3,8	6,2	2,6	4,6	1,8	3,5					1,8	3,4	45' 2"
	4 pt. outriggers down	31,6*	31,6*	22,9*	22,9*	17,8*	17,8*	14,4*	14,4*	11,7	11,9*	9,2	9,7*	7,2*	7,2*					7,0*	7,0*	
0	Stabilizers raised	14,4	22,6	9,5	14,6	6,6	10,3	4,7	7,6	3,4	5,7	2,4	4,3							1,7	3,4	44' 7"
	4 pt. outriggers down	25,0*	25,0*	22,9*	22,9*	17,7*	17,7*	14,1*	14,1*	11,2	11,4*	8,9	9,0*							6,0*	6,0*	
- 5	Stabilizers raised	12,8	20,4*	8,3	13,3	5,8	9,4	4,2	7,0	3,0	5,3	2,2	4,1							1,9	3,7	42' 6"
	4 pt. outriggers down	20,4*	20,4*	21,6*	21,6*	16,7*	16,7*	13,2*	13,2*	10,4*	10,4*	7,6*	7,6*							5,8*	5,8*	
-10	Stabilizers raised	12,3	20,2	7,8	12,7	5,4	8,9	3,9	6,7	2,9	5,1									2,5	4,6	37' 5"
	4 pt. outriggers down	21,1*	21,1*	18,4*	18,4*	14,5*	14,5*	11,3*	11,3*	8,4*	8,4*									6,9*	6,9*	

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

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