Machine for Industrial Applications

A 934 C Litronic®

Operating weight: 36,300 - 37,200 kg
Engine output: 150 kW / 204 HP

LIEBHERR

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Performance

Liebherr material handling equipment is developed for the highest productivity. A high lifting capacity and rapid work cycles form the prerequisites of a powerful industrial material handling operation. Numerous attachment options optimise machine performance.

Reliability

Liebherr hydraulic excavators are designed and built to operate in the harshest material handling environments. Their rugged design, high-tensile materials and individual components ensure maximum availability and long life expectancy.

Comfort

Largely dimensioned and ergonomically designed, the Liebherr excavator cab features an operator's seat which can be individually adjusted, as well as clearly arranged control instruments and ideal allround view. Automatic air-conditioning guarantees an optimum temperature in the Liebherr Feel-Good cab at all times.

Economy

The Liebherr-Litronic-System increases machine performance, reduces fuel consumption and minimises service and maintenance costs. Due to Liebherr's well-balanced range, the ideal machine can always be selected to suit every application.

Liebherr diesel engine

- Long life expectancy, expansive cylinder capacity and increased weight
- According to level IIIA / Tier 3
- Specially Developed for construction and industrial machinery operation
- Oil supply even with 100 % tilt angle
- Excellent torque

Performance

The A 934 C Litronic has been designed for maximum production. Perfectly harmonized, the Liebherr-developed and Liebherr-manufactured components including diesel engine, hydraulic pump and motor, as well as swing gear and cylinders, guarantee maximum performance. This results in a high lifting capacity with rapid work and travel movements.

Innovative solutions

Multitude of attachments

Liebherr provide an individual, application-related range of diverse attachments. A straight or angled industrial mono boom can be combined with various industrial sticks to suit any application.

High lifting capacities

The efficient handling of materials of differing consistencies, e.g. scrap metal, wood or bulk solids, are everyday demands on material handler equipment. This is ensured by the most efficient use of kinematics.

Rapid work cycles

A separate hydraulic circuit with a maximum hydraulic pressure of 380 bar makes a high swing torque possible. Rapid work cycles are achieved through an independent control system.

Performance without compromise

Maximum performance and maximum forces are available to the operator at all times.

ReGenerationPlus

The new ReGenerationPlus system on the lifting cylinders saves energy and quickly lowers the attachment.

VarioLiftPlus

Changeable boom attachments for optimal lifting capacity.

Robust undercarriage

- The box-type construction of the undercarriage with securely-welded supports provides a solid base, the greatest stability and a long service life in every application
- An additional dozer blade can be selected
- 2-range powershift transmission for stepless acceleration

Litronic-System

- Increases productivity of the excavator
- Reduces fuel consumption
- Reduces service costs and eases operation
- Allows maximum sensitivity and as many overlapping movements as are required

Features

- High-tensile steel plates in highstress areas for the toughest of applications
- Stable storage of attachments and cylinders
- Maximum resistance, even when lifting heavy loads
- VarioLift$_{Plus}$ System

Reliability

Liebherr material handlers prove themselves day in, day out in the most varied industrial applications all over the world. Many years of experience as the world's largest manufacturer of wheeled excavator, continuous development and the introduction of the latest technology are evident in every machine, guaranteeing absolute safety during applications. With its rugged design, and featuring Liebherr components, the A 934 C Litronic has been designed for extremely long life expectancy.

Quality in detail

Liebherr components

Liebherr develops, tests and manufactures components such as diesel engines, slewing gear, hydraulic cylinders and electronics specifically for industrial machinery. Parts including engines and pumps for example, are already being synchronized with each other as early as the construction phase, yielding a constant standard of quality.

Functional safety

Safety-orientated components, fitted as standard, allow high availability. The operator can thus concentrate fully on the task at hand, due to the integrated on-board electronics performing a constant balancing of pre-defined set data.
The magnet bar, fitted as standard in the hydraulic system, increases the operating life of the hydraulic components and serves as a service indicator.

Rugged attachments

Working attachment

The stable attachments are designed for the harshest applications and have a long service life. All components have been optimised using the FE method. Stress-reducing two-sided cylinder bearings on mono and arm connections. Integrated large diameter torsion tube for the best possible force absorption by the attachment components.

Piping

Routing the hydraulic lines in the arm offers the best protection against damage. The electric cabling is made with high-grade materials, thus guaranteeing a reliable supply to the consumer.

Liebherr hydraulic cylinders

- Specific size for each machine
- High-grade surface coating of the piston rods
- All Liebherr cylinders feature special long-life sealing systems
- Shock absorption at both sides in the working cylinders

Functional safety

- Essential operating data is stored and can be recalled at any time
- Control and monitoring functions increase functional safety of the machine
- Four fixed working modes for output discharge facilitate an effective and efficient operation:
  - ECO-Mode: High handling and loading performance coupled with low fuel consumption
  - POWER-Mode: For maximum handling and loading performance under severe conditions
  - LIFT-Mode: for precise handling of heavy loads
  - FINE-Mode: for fine control at precision work

Large-sized cab

- Adjustable steering column
- Operator's seat, adjustable in height and can also be adapted to the individual weight of the operator
- Consoles with or without possibility of horizontal adjustment
- Large roof window
- Sun blinds

Comfort

The excavator operator is provided with an ergonomically-arranged working area within Liebherr hydraulic excavator cabs. All switches and functions are logically laid out, and operator's seat, steering column and consoles can be adjusted individually. Conditioning and concentration can thus be maintained throughout the entire working day, guaranteeing constant, maximum productivity of the operator.

Mobile comfort

Easy access

Wide steps, ergonomically-positioned handles and adjustable steering column allow an easy access into the Liebherr operator's cab.

Optimum visibility

A well-thought-out design of the uppercarriage, featuring large glass panels and rounded edges, increase overall visibility and guarantees a safe overview of the entire working area. The best field of vision in all directions and from any cab position.

Pleasant surroundings

Reduced engine speed together with elaborate sound insulation, as well as optimised hydraulic components, allow a comfortable noise level both inside and out. The noise level is comparable with that of modern cars.

Maintenance features

Simple maintenance

Liebherr semi-automatic central lubrication system for slewing gear and main attachment components.

Ease of operation

A shut-off valve, fitted to the hydraulic tank as standard, disconnects the system and guarantees ease of maintenance to the hydraulic system.

Easy access

Large, self-locking maintenance hatches allow easy and safe access to all maintenance points.

Storage compartment – Everything has its place

- Sufficient storage space for a commercially-approved cooler box behind the operator's seat
- Drinks holder and storage compartment in operator's cab
- Large storage box behind the operator's cab
- Two standard tool boxes in the undercarriage

Fully-automatic air-conditioning system

- The air-conditioning system, fitted as standard, offers the same comfort as that of a regular car
- Two sensors for precise temperature regulation
- Ventilation flaps are controlled via keys
- Reheat function for quick dehumidifying / defrosting of the windshield

Hydrostatic fan drive

- Accelerated warm-up period
- Guaranteed constant oil quality as a result of constant oil temperature
- Increased life expectancy of drive components
- The fan only runs at the output required, thus conserving fuel and reducing the noise level considerably
- Thermostatic control

Economy

Liebherr offer a wide range of models, guaranteeing optimum suitability for every application. Easy access to components, as well as the proven service offer allows maintenance tasks to be performed in the shortest of times, thus reducing operating costs considerably.

Low operating costs

Liebherr engine

Full engine power available even at low speeds. This means that unrestricted power is available when it is really required, providing high levels of productivity and low fuel consumption.

Automatic idle

If no working or travel movements are being performed, the shiftable function reduces the engine speed to idle, which in turn reduces fuel consumption and emission levels.

Intelligent hydraulic management

The state-of-the-art hydraulic system allows conversion of the maximum engine output into high force or speed, as required. The maximum possible forces are available at all times.

Hydraulically-adjustable cab

The hydraulically-adjustable cab allows the driver to optimise his field of view to increase material-handling performance.

Investment for the future

Extensive service offer

Proven service offers assured by our service personnel trained directly at the manufacturing plants, and endorsed by our tight-knit network of dealers, provide services in all required areas. Direct contact to Liebherr is guaranteed via complete integration of all service points in our own Liebherr logistics system. Electronic access to our global spare-parts management allows a 98 % availability of spare-parts 24 hours a day.

High resale values

Liebherr excavators are built with high-grade materials and quality production to provide a longterm operational life-span, thus guaranteeing maximum resale values.

Service oriented

- Engine service points - such as the filter or capacity displays - easily to access and reach via a catwalk
- The magnet bar in the hydraulic oil tank acts as a service indicator and increases the service life of the oil
- Liebherr semi-automatic central lubricating systems for the slewing gear and main attachment components fitted as standard for quick and targeted maintenance

A wide range

- Modular quick connection system
- Liebherr mechanical and hydraulic quick connection for efficient changing of working tools
- Comprehensive Liebherr grab program
- Wide range of Liebherr grabs for different applications

Technical Data

Engine

Rating per ISO 9249	150 kW (204 HP) at 1800 RPM
Model	Liebherr D 934 L according to level IIIA/Tier 3
Type	4 cylinder in-line
Bore/Stroke	122/150 mm
Displacement	7,0 l
Engine operation	4-stroke diesel unit pump system turbo-charged and after-cooled reduced emissions
Cooling	water-cooled and integrated motor oil cooler
Air cleaner	dry-type air cleaner with pre-cleaner, primary and safety elements, automatic dust discharge
Fuel tank	580 l
Standard	sensor controlled engine idling
Electrical system	
Voltage	24 V
Batteries	2 x 170 Ah/12 V
Starter	24 V/6,6 kW
Alternator	three phase current 28 V/80 A
Option	Liebherr particle filter

Hydraulic System

Hydraulic pump	
for attachment and travel drive	two Liebherr variable flow, swash plate pumps
Max. flow	2 x 245 l/min.
Max. pressure	350 bar
Pump regulation	electro-hydraulic with electronic engine speed sensing regulation, pressure compensation, flow compensation, automatic oil flow optimizer
Hydraulic pump	
for swing drive	reversible, variable flow, swash plate pump, closed-loop circuit
Max. flow	148 l/min.
Max. pressure	380 bar
Hydraulic tank	350 l
Hydraulic system	590 l
Hydraulic oil filter	2 full flow filters in return line with integrated fine filter area (5 µm)
Hydraulic oil cooler	compact cooler, consisting of a water cooler, sandwiched with hydraulic oil cooler, fuel cooler and after-cooler cores and hydrostatically driven fan
MODE selection	adjustment of machine performance and the hydraulics via a mode selector to match application
ECO	for especially economical and environmentally friendly operation
POWER	for maximum digging power and heavy duty jobs
LIFT	for lifting
FINE	for precision work and lifting through very sensitive movements
RPM adjustment	stepless adjustment of engine output via the rpm at each selected mode
Tool Control (Option)	ten preadjustable pump flows and pressures for add on tools

Hydraulic Controls

Power distribution	via control valves in single block with integrated safety valves
Flow summation	to boom and stick
Closed-loop circuit	for uppercarriage swing drive
Servo circuit	
Attachment and swing	proportional via joystick levers
Travel	proportional via foot pedal
Additional functions	via foot pedals or joystick push buttons

Swing Drive

Drive by	Liebherr swash plate motor with integrated brake valves
Transmission	Liebherr compact planetary reduction gear
Swing ring	Liebherr, sealed single race ball bearing swing ring, internal teeth
Swing speed	0 – 8,2 RPM stepless
Swing torque	84 kNm
Holding brake	wet multi-disc (spring applied, pressure released), pedal controlled positioning brake

Operator's Cab

Cab	resiliently mounted, sound insulated, tinted windows, front window stores overhead, door with sliding window
Operator's seat	fully adjustable, shockabsorbing suspension, adjustable to operator's weight and size, 6-way adjustable Liebherr seat
Joysticks	integrated into adjustable consoles
Monitoring	menu driven query of current operating conditions via the LCD display. Automatic monitoring, display, warning (acoustical and optical signal) and saving machine data, for example, engine overheating, low engine oil pressure or low hydraulic oil level
Air conditioning	standard air conditioning, combined cooler/heater, additional dust filter in fresh air/recirculated
Noise emission	
ISO 6396	L_{pA} (inside cab) = 74 dB(A)
2000/14/EC	L_{WA} (surround noise) = 104 dB(A)

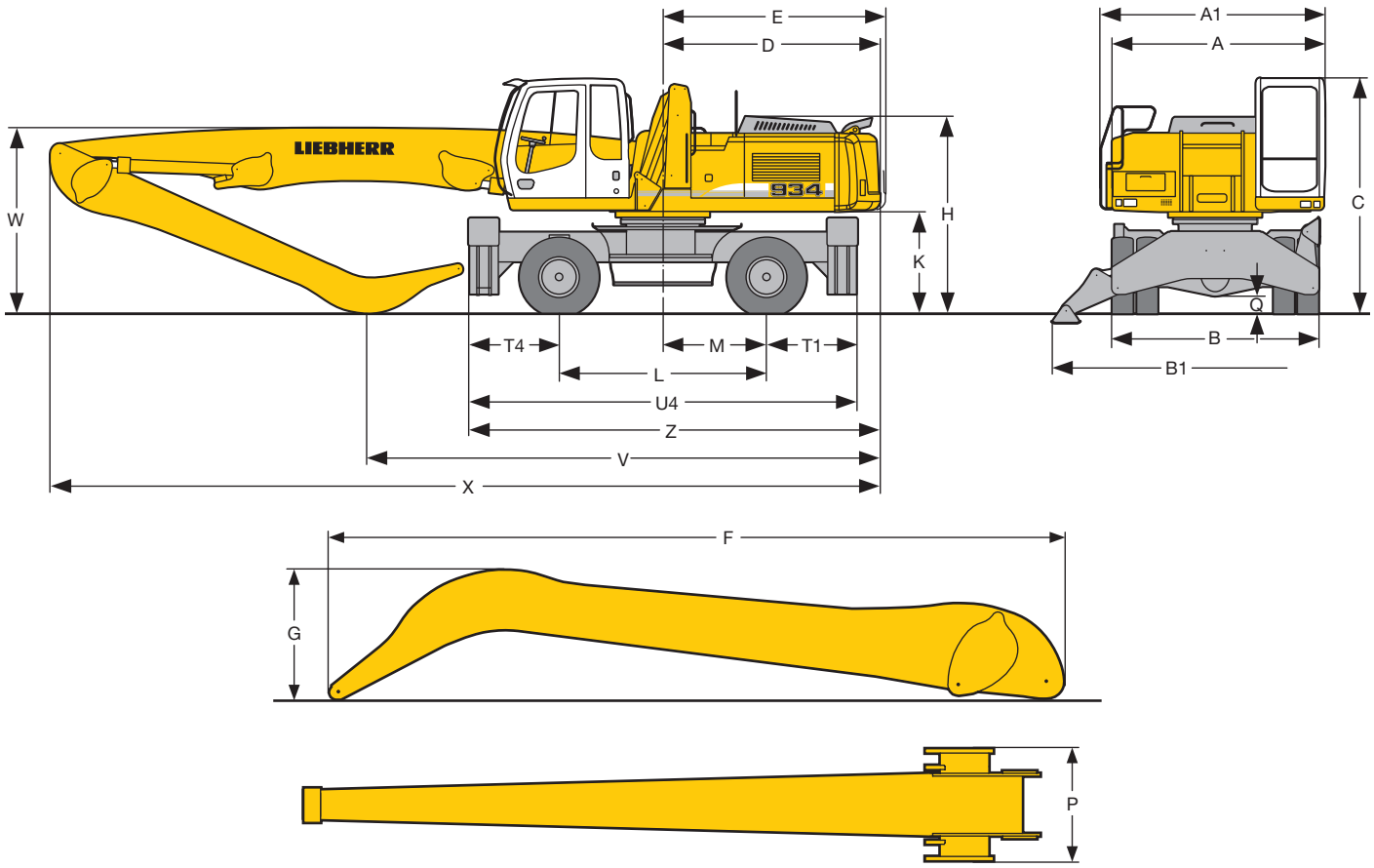
Undercarriage

Drive	Liebherr variable flow swashplate motor with automatic brake valves
Transmission	oversized two speed power shift transmission with additional creeper speeds
Travel speed	0 – 2,5 km/h (creeper speed) 0 – 5,0 km/h (cross country) 0 – 10,0 km/h (creeper speed road) 0 – 20,0 km/h (road travel)
Axles	60 t excavator axles; automatic or operator controlled front axle oscillation lock
Service and holding brakes	multiple wet discs
Parking brake	multiple wet discs (spring applied – pressure released)
Stabilization	4-point outriggers with suspended rocker arm supports

Attachment

Type	high-strength steel plates at highly-stressed points for the toughest requirements. Complex and stable mountings of attachment and cylinders. Unrivalled strength, even at high loads
Hydraulic cylinders	Liebherr cylinders with special seal system. Shock absorption
Pivots	sealed, low maintenance
Lubrication	Liebherr semi-automatic central lubrication system

Dimensions



	Hydraulic Cab Elevation	mm
A		3060
A[1)]		3000
A1		3240
A1[1)]		3410
B		2990
B1		4700
C		3390
D		3145
E		3145
H		2840
K		1465
L		3000
M		1500
Q		255
T1		1310
T4		1310
U4		5620
Z		5905

[1)] Rigid cab elevation
E = Tail radius

Tires 12.00-20

Industrial-Type Straight Boom 7,60 m and Industrial-Type Stick	m	5,00	6,00
V	mm	7620	6800
W	mm	2950	3450
X	mm	11200	11200

Industrial-Type Straight Boom 8,60 m and Industrial-Type Stick	m	6,00	7,50
V	mm	7540	6440
W	mm	2950	4250
X	mm	12200	12100

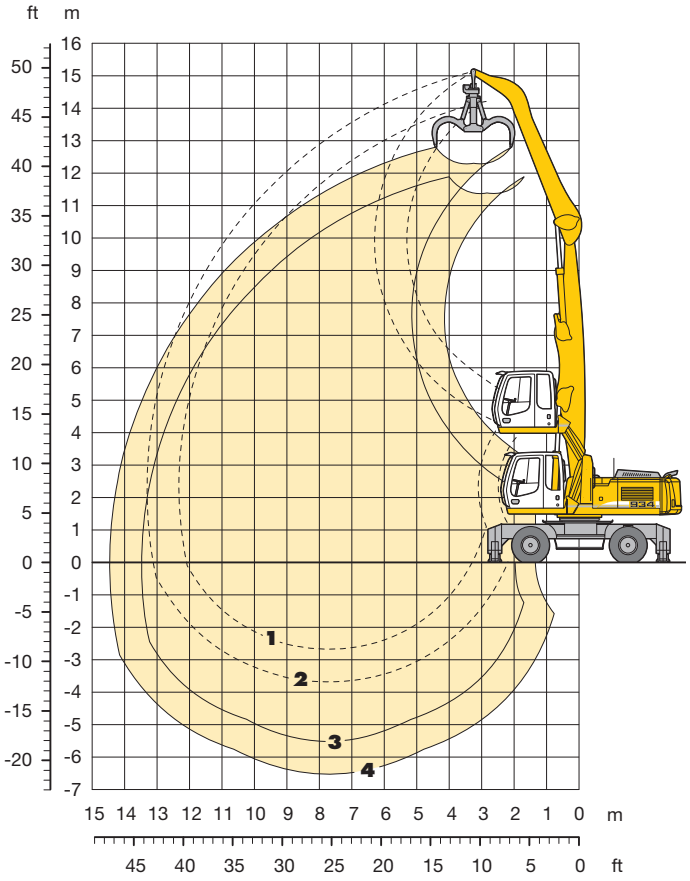
Industrial-Type Gooseneck Boom 8,60 m and Industrial-Type Stick	m	6,00	7,50
V	mm	–	6540
W	mm	3300	4850
X	mm	12150	12100

Industrial Stick	m	5,00	6,00	7,50
F	mm	5350	6350	7850
G	mm	1200	1250	1250
P	mm	1050	1050	1050

Dimensions are with attachment over steering axle

Industrial Attachment

with Industrial-Type Straight Boom 7,60 m



Attachment Envelope

Kinematic variants 2A/3B

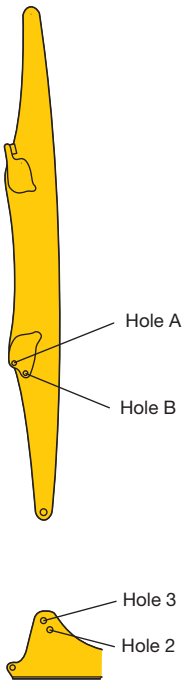
1 with industrial stick 5,00 m
2 with industrial stick 6,00 m
3 with industrial stick 5,00 m and grapple model 70 C
4 with industrial stick 6,00 m and grapple model 70 C

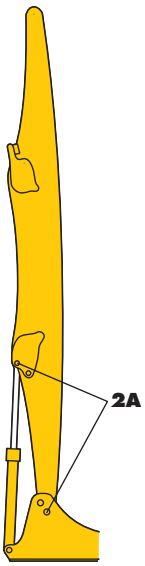
Operating Weight

Operating weight includes basic machine A 934 C Litronic® with 4 point outriggers, hydraulic cab elevation, 8 solid tires plus spacer rings and industrial application with industrial-type straight boom 7,60 m.

with grapple model 70 C/0,80 m³ semi-closed tines	Weight
industrial stick 5,00 m	36300 kg
industrial stick 6,00 m	36500 kg

VarioLift Plus

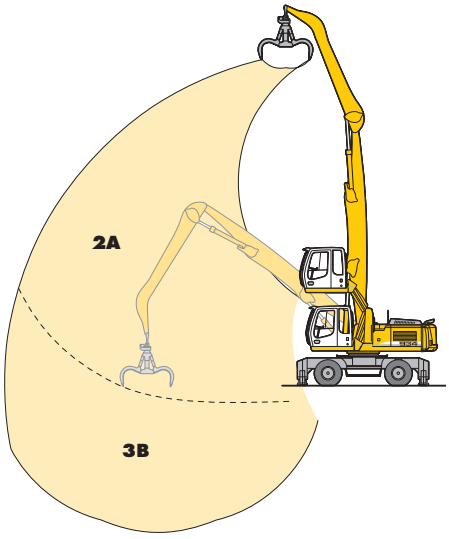




Version **2A**

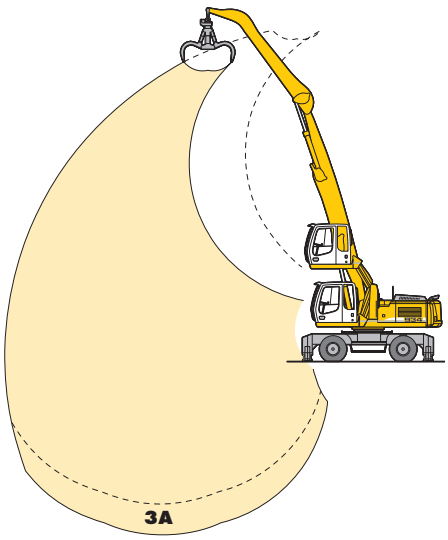
VarioLift Plus: Variable boom mounting positions for optimized lift capacities

with **the same** working range



Kinematic Variant 2A:
Increased lift capacities above ground level
Kinematic Variant 3B:
Increased lift capacities below ground level and when working at large outreach

with a **different** working range



Kinematic Variant 3A:
Altered range curve with additional reach depth, e.g. for unloading from ships

Lift Capacities

with Industrial-Type Straight Boom 7,60 m (Kinematic Variant 2A)

Industrial Stick 5,00 m

m	Undercarriage	3,0 m		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	Stabilizers raised 4 pt. outriggers down																				
15,0	Stabilizers raised 4 pt. outriggers down																				
13,5	Stabilizers raised 4 pt. outriggers down			10,4* 10,4*	10,4* 10,4*															9,3* 9,3*	9,3* 9,3*	4,96
12,0	Stabilizers raised 4 pt. outriggers down					8,9 10,4*	10,4* 10,4*	6,1 7,4*	7,4* 7,4*											6,1 7,4*	7,4* 7,4*	7,52
10,5	Stabilizers raised 4 pt. outriggers down					9,1 10,0*	10,0* 10,0*	6,4 8,6*	8,0 8,6*	4,6 7,2*	5,8 7,2*									4,4 6,6*	5,6 6,6*	9,15
9,0	Stabilizers raised 4 pt. outriggers down					9,1 10,0*	10,0* 10,0*	6,4 8,6*	8,0 8,6*	4,7 7,5*	5,9 7,5*									3,6 6,2*	4,6 6,2*	10,32
7,5	Stabilizers raised 4 pt. outriggers down					8,9 10,3*	10,3* 10,3*	6,2 8,7*	7,9 8,7*	4,6 7,5*	5,9 7,5*	3,5 6,6*	4,5 6,6*							3,1 6,0*	4,0 6,0*	11,16
6,0	Stabilizers raised 4 pt. outriggers down			13,2 13,7*	13,7* 13,7*	8,4 10,8*	10,8 10,8*	6,0 8,9*	7,6 8,9*	4,5 7,6*	5,7 7,6*	3,5 6,5*	4,4 6,5*							2,8 5,6*	3,7 5,6*	11,75
4,5	Stabilizers raised 4 pt. outriggers down	22,5* 22,5*	22,5* 22,5*	12,0 15,0*	15,0* 15,0*	7,9 11,4*	10,1 11,4*	5,7 9,2*	7,3 9,2*	4,3 7,7*	5,5 7,7*	3,4 6,5*	4,3 6,5*	2,7 5,3*	3,5 5,3*					2,6 5,2*	3,4 5,2*	12,13
3,0	Stabilizers raised 4 pt. outriggers down			10,6 16,0*	14,4 16,0*	7,2 11,8*	9,4 11,8*	5,3 9,3*	6,9 9,3*	4,1 7,7*	5,3 7,7*	3,2 6,4*	4,2 6,4*	2,6 5,1*	3,4 5,1*					2,5 4,8*	3,3 4,8*	12,31
1,5	Stabilizers raised 4 pt. outriggers down			9,2* 9,2*	9,2* 9,2*	6,6 11,7*	8,8 11,7*	5,0 9,2*	6,5 9,2*	3,9 7,5*	5,1 7,5*	3,1 6,1*	4,1 6,1*	2,6 4,7*	3,4 4,7*					2,5 4,3*	3,3 4,3*	12,30
0	Stabilizers raised 4 pt. outriggers down			8,0* 8,0*	8,0* 8,0*	6,3 10,8*	8,5 10,8*	4,7 8,6*	6,3 8,6*	3,7 6,9*	4,9 6,9*	3,0 5,5*	4,0 5,5*	2,5 3,9*	3,3 3,9*					2,5 3,7*	3,3 3,7*	12,11
-1,5	Stabilizers raised 4 pt. outriggers down			8,9* 8,9*	8,9* 8,9*	6,1 9,2*	8,3 9,2*	4,6 7,5*	6,1 7,5*	3,6 6,0*	4,8 6,0*	3,0 4,6*	4,0 4,6*							2,8 4,1*	3,7 4,1*	10,98
-3,0	Stabilizers raised 4 pt. outriggers down																				
-4,5	Stabilizers raised 4 pt. outriggers down																				
-6,0	Stabilizers raised 4 pt. outriggers down																				

Industrial Stick 6,00 m

m	Undercarriage	3,0 m		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	Stabilizers raised 4 pt. outriggers down																				
15,0	Stabilizers raised 4 pt. outriggers down																			9,8* 9,8*	9,8* 9,8*	3,67
13,5	Stabilizers raised 4 pt. outriggers down					8,8* 8,8*	8,8* 8,8*													6,7* 6,7*	6,7* 6,7*	7,08
12,0	Stabilizers raised 4 pt. outriggers down					9,4 9,5*	9,5* 9,5*	6,5 8,3*	8,2 8,3*	4,7 5,9*	5,9 5,9*									4,6 5,8*	5,8* 5,8*	9,05
10,5	Stabilizers raised 4 pt. outriggers down							6,7 8,1*	8,1* 8,1*	4,9 7,2*	6,1 7,2*									3,6 5,3*	4,6 5,3*	10,45
9,0	Stabilizers raised 4 pt. outriggers down							6,7 8,1*	8,1* 8,1*	4,9 7,2*	6,1 7,2*	3,7 6,4*	4,7 6,4*							3,1 5,0*	3,9 5,0*	11,48
7,5	Stabilizers raised 4 pt. outriggers down					9,3 9,5*	9,5* 9,5*	6,5 8,2*	8,2 8,2*	4,8 7,2*	6,1 7,2*	3,7 6,4*	4,7 6,4*	2,8 5,6*	3,6 5,6*					2,7 4,8*	3,5 4,8*	12,24
6,0	Stabilizers raised 4 pt. outriggers down					8,9 10,1*	10,1* 10,1*	6,3 8,5*	7,9 8,5*	4,7 7,3*	5,9 7,3*	3,6 6,4*	4,6 6,4*	2,8 5,6*	3,6 5,6*					2,5 4,8*	3,2 4,8*	12,78
4,5	Stabilizers raised 4 pt. outriggers down	10,9* 10,9*	10,9* 10,9*	12,9 13,9*	13,9* 13,9*	8,3 10,8*	10,6 10,8*	5,9 8,9*	7,5 8,9*	4,4 7,5*	5,7 7,5*	3,4 6,4*	4,4 6,4*	2,7 5,5*	3,5 5,5*					2,3 4,7*	3,0 4,7*	13,13
3,0	Stabilizers raised 4 pt. outriggers down	15,1* 15,1*	15,1* 15,1*	11,4 15,3*	15,3 15,3*	7,6 11,4*	9,9 11,4*	5,5 9,1*	7,1 9,1*	4,2 7,6*	5,4 7,6*	3,3 6,4*	4,3 6,4*	2,6 5,4*	3,5 5,4*					2,2 4,3*	2,9 4,3*	13,30
1,5	Stabilizers raised 4 pt. outriggers down	2,9* 2,9*	2,9* 2,9*	10,1 15,9*	13,8 15,9*	6,9 11,7*	9,1 11,7*	5,1 9,2*	6,7 9,2*	3,9 7,5*	5,1 7,5*	3,1 6,3*	4,1 6,3*	2,6 5,1*	3,4 5,1*					2,2 3,9*	2,9 3,9*	13,29
0	Stabilizers raised 4 pt. outriggers down	3,3* 3,3*	3,3* 3,3*	9,3 9,5*	9,5* 9,5*	6,4 11,3*	8,6 11,3*	4,8 8,9*	6,3 8,9*	3,7 7,2*	4,9 7,2*	3,0 5,9*	4,0 5,9*	2,5 4,7*	3,3 4,7*					2,2 3,5*	2,9 3,5*	13,12
-1,5	Stabilizers raised 4 pt. outriggers down			8,9 9,0*	9,0* 9,0*	6,1 10,2*	8,3 10,2*	4,6 8,2*	6,1 8,2*	3,6 6,6*	4,8 6,6*	2,9 5,3*	3,9 5,3*	2,4 3,9*	3,3 3,9*					2,4 3,5*	3,1 3,5*	12,37
-3,0	Stabilizers raised 4 pt. outriggers down					6,0 8,4*	8,1 8,4*	4,5 6,9*	6,0 6,9*	3,5 5,5*	4,7 5,5*	2,9 4,2*	3,9 4,2*							2,9 4,1*	3,8 4,1*	10,55
-4,5	Stabilizers raised 4 pt. outriggers down																				
-6,0	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 stabilisers raised and over the rigid axle with the stabilisers down. Indicated loads comply with the ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity.
In accordance with the harmonised EU Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe rupture protection devices on the hoist cylinders and an overload warning device.

Lift Capacities

with Industrial-Type Straight Boom 7,60 m (Kinematic variant 3B)

Industrial Stick 5,00 m

m	Undercarriage	3,0 m		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	Stabilizers raised 4 pt. outriggers down																					
15,0	Stabilizers raised 4 pt. outriggers down																					
13,5	Stabilizers raised 4 pt. outriggers down			10,8* 10,8*	10,8* 10,8*															9,0* 9,0*	9,0* 9,0*	5,42
12,0	Stabilizers raised 4 pt. outriggers down					8,3* 8,3*	8,3* 8,3*	6,2 7,7*	7,7* 7,7*											5,7 7,2*	7,2 7,2*	7,84
10,5	Stabilizers raised 4 pt. outriggers down					8,0* 8,0*	8,0* 8,0*	6,4 7,3*	7,3* 7,3*	4,6 6,9*	5,8 6,9*									4,2 6,5*	5,4 6,5*	9,41
9,0	Stabilizers raised 4 pt. outriggers down					8,0* 8,0*	8,0* 8,0*	6,3 7,3*	7,3* 7,3*	4,7 6,7*	5,9 6,7*	3,5 6,3*	4,5 6,3*							3,5 6,1*	4,4 6,1*	10,53
7,5	Stabilizers raised 4 pt. outriggers down					8,4* 8,4*	8,4* 8,4*	6,2 7,5*	7,5* 7,5*	4,6 6,8*	5,8 6,8*	3,5 6,3*	4,5 6,3*							3,0 5,9*	3,9 5,9*	11,34
6,0	Stabilizers raised 4 pt. outriggers down			11,3* 11,3*	11,3* 11,3*	8,4 9,2*	9,2* 9,2*	5,9 7,9*	7,5 7,9*	4,4 7,0*	5,7 7,0*	3,4 6,4*	4,4 6,4*							2,7 5,6	3,5 5,9*	11,91
4,5	Stabilizers raised 4 pt. outriggers down	20,4* 20,4*	20,4* 20,4*	11,7 13,4*	13,4* 13,4*	7,7 10,3*	10,0 10,3*	5,6 8,5*	7,2 8,5*	4,2 7,4*	5,5 7,4*	3,3 6,5*	4,3 6,5*	2,6 5,5	3,5 5,9*					2,5 5,3	3,3 5,8*	12,27
3,0	Stabilizers raised 4 pt. outriggers down			10,3 15,7*	14,1 15,7*	7,1 11,4*	9,3 11,4*	5,2 9,1*	6,8 9,1*	4,0 7,7*	5,2 7,7*	3,2 6,7	4,2 6,7*	2,6 5,5	3,4 5,9*					2,4 5,2	3,2 5,6*	12,43
1,5	Stabilizers raised 4 pt. outriggers down			8,0* 8,0*	8,0* 8,0*	6,5 12,2*	8,7 12,2*	4,9 9,6*	6,4 9,6*	3,8 8,0*	5,0 8,0*	3,1 6,5	4,0 6,8*	2,5 5,4	3,3 5,8*					2,4 5,2	3,2 5,5*	12,40
0	Stabilizers raised 4 pt. outriggers down			7,5* 7,5*	7,5* 7,5*	6,2 12,4*	8,4 12,4*	4,7 9,8*	6,2 9,8*	3,7 8,0	4,9 8,0*	3,0 6,4	4,0 6,7*	2,5 5,4	3,3 5,6*					2,5 5,3	3,3 5,4*	12,19
-1,5	Stabilizers raised 4 pt. outriggers down					6,0 12,0*	8,2 12,0*	4,5 9,5*	6,1 9,5*	3,6 7,8*	4,8 7,8*	3,0 6,4	3,9 6,4*							2,8 6,1*	3,7 6,1*	10,90
-3,0	Stabilizers raised 4 pt. outriggers down																					
-4,5	Stabilizers raised 4 pt. outriggers down																					
-6,0	Stabilizers raised 4 pt. outriggers down																					

Industrial Stick 6,00 m

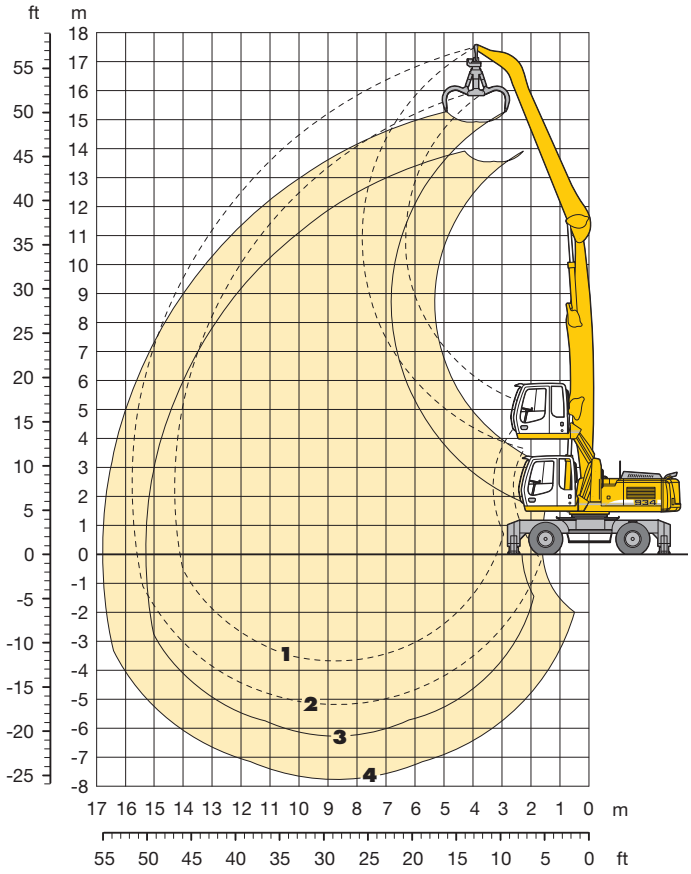
m	Undercarriage	3,0 m		4,5 m		6,0 m		7,5 m		9,0 m		10,5 m		12,0 m		13,5 m		15,0 m				m
16,5	Stabilizers raised 4 pt. outriggers down																					
15,0	Stabilizers raised 4 pt. outriggers down																			9,1* 9,1*	9,1* 9,1*	4,31
13,5	Stabilizers raised 4 pt. outriggers down					8,0* 8,0*	8,0* 8,0*													6,3 6,6*	6,6* 6,6*	7,44
12,0	Stabilizers raised 4 pt. outriggers down					7,3* 7,3*	7,3* 7,3*	6,6 6,8*	6,8* 6,8*	4,7 6,5*	6,0 6,5*									4,4 5,7*	5,5 5,7*	9,34
10,5	Stabilizers raised 4 pt. outriggers down							6,5* 6,5*	6,5* 6,5*	4,9 6,2*	6,1 6,2*	3,6 5,8*	4,6 5,8*							3,5 5,2*	4,4 5,2*	10,68
9,0	Stabilizers raised 4 pt. outriggers down							6,5* 6,5*	6,5* 6,5*	4,9 6,1*	6,1 6,1*	3,7 5,8*	4,7 5,8*							2,9 5,0*	3,8 5,0*	11,68
7,5	Stabilizers raised 4 pt. outriggers down					7,4* 7,4*	7,4* 7,4*	6,5 6,8*	6,8* 6,8*	4,8 6,3*	6,0 6,3*	3,6 5,8*	4,6 5,8*	2,8 5,5*	3,6 5,5*					2,6 4,8*	3,4 4,8*	12,42
6,0	Stabilizers raised 4 pt. outriggers down					8,2* 8,2*	8,2* 8,2*	6,2 7,3*	7,3* 7,3*	4,6 6,5*	5,8 6,5*	3,5 6,0*	4,5 6,0*	2,8 5,6*	3,6 5,6*					2,4 4,8*	3,1 4,8*	12,94
4,5	Stabilizers raised 4 pt. outriggers down	11,5* 11,5*	11,5* 11,5*	11,7* 11,7*	11,7* 11,7*	8,2 9,3*	9,3* 9,3*	5,8 7,9*	7,4 7,9*	4,4 6,9*	5,6 6,9*	3,4 6,2*	4,4 6,2*	2,7 5,6	3,5 5,6*					2,2 4,8	2,9 4,8*	13,27
3,0	Stabilizers raised 4 pt. outriggers down	7,8* 7,8*	7,8* 7,8*	11,2 14,1*	14,1* 14,1*	7,4 10,6*	9,7 10,6*	5,4 8,6*	7,0 8,6*	4,1 7,3*	5,3 7,3*	3,2 6,4*	4,2 6,4*	2,6 5,5	3,4 5,7*					2,1 4,6	2,9 4,9*	13,41
1,5	Stabilizers raised 4 pt. outriggers down	2,5* 2,5*	2,5* 2,5*	9,8 13,4*	13,4* 13,4*	6,7 11,6*	9,0 11,6*	5,0 9,2*	6,6 9,2*	3,9 7,7*	5,1 7,7*	3,1 6,6	4,1 6,6*	2,5 5,4	3,3 5,8*					2,1 4,6	2,8 5,0*	13,39
0	Stabilizers raised 4 pt. outriggers down	3,2* 3,2*	3,2* 3,2*	8,6* 8,6*	8,6* 8,6*	6,3 12,2*	8,4 12,2*	4,7 9,6*	6,2 9,6*	3,7 7,9*	4,9 7,9*	3,0 6,4	3,9 6,7*	2,4 5,3	3,3 5,7*					2,1 4,7	2,9 4,9*	13,20
-1,5	Stabilizers raised 4 pt. outriggers down			8,6* 8,6*	8,6* 8,6*	6,0 12,2*	8,1 12,2*	4,5 9,6*	6,0 9,6*	3,5 7,8	4,7 7,9*	2,9 6,3	3,8 6,6*	2,4 5,3	3,2 5,5*					2,3 5,1	3,1 5,2*	12,34
-3,0	Stabilizers raised 4 pt. outriggers down					5,9 11,6*	8,1 11,6*	4,4 9,2*	5,9 9,2*	3,5 7,5*	4,7 7,5*									2,9 6,3*	3,9 6,3*	10,34
-4,5	Stabilizers raised 4 pt. outriggers down																					
-6,0	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 stabilisers raised and over the rigid axle with the stabilisers down. Indicated loads comply with the ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity.
In accordance with the harmonised EU Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe rupture protection devices on the hoist cylinders and an overload warning device.

Industrial Attachment

with Industrial-Type Straight Boom 8,60 m



Attachment Envelope

Kinematic variants 2A/3B

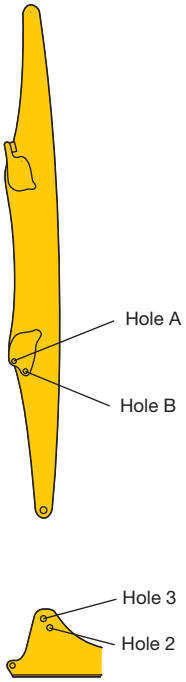
1 with industrial stick 6,00 m
2 with industrial stick 7,50 m
3 with industrial stick 6,00 m and grapple model 65
4 with industrial stick 7,50 m and grapple model 65

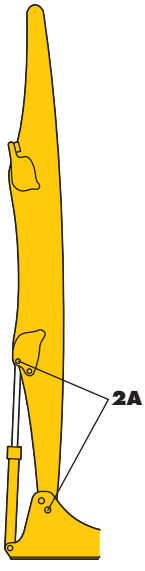
Operating Weight

Operating weight includes basic machine A 934 C Litronic® with 4 point outriggers, hydraulic cab elevation, 8 solid tires plus spacer rings and industrial application with industrial-type straight boom 8,60 m.

with grapple model 65/0,60 m³ semi-closed tines	Weight
industrial stick 6,00 m	36800 kg
industrial stick 7,50 m	37100 kg

VarioLiftPlus

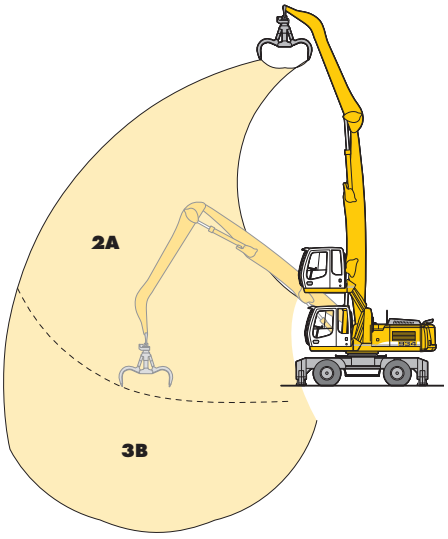




Version **2A**

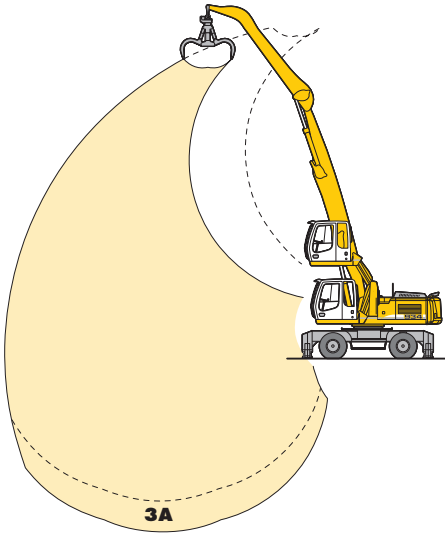
VarioLiftPlus: Variable boom mounting positions for optimized lift capacities

with **the same** working range



Kinematic Variant 2A:
Increased lift capacities above ground level
Kinematic Variant 3B:
Increased lift capacities below ground level and when working at large outreach

with a **different** working range



Kinematic Variant 3A:
Altered range curve with additional reach depth, e.g. for unloading from ships

Lift Capacities

with Industrial-Type Straight Boom 8,60 m (Kinematic Variant 2A)

Industrial Stick 6,00 m

m	Undercarriage	3,0 m		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	Stabilizers raised 4 pt. outriggers down																					
15,0	Stabilizers raised 4 pt. outriggers down					8,1* 8,1*	8,1* 8,1*													7,4* 7,4*	7,4* 7,4*	6,39
13,5	Stabilizers raised 4 pt. outriggers down					9,4 9,6*	9,6* 9,6*	6,5 8,1*	8,1 8,1*											4,7 6,1*	6,0 6,1*	8,79
12,0	Stabilizers raised 4 pt. outriggers down							6,7 7,9*	7,9* 7,9*	4,8 6,9*	6,1 6,9*									3,5 5,5*	4,5 5,5*	10,45
10,5	Stabilizers raised 4 pt. outriggers down							6,7 7,9*	7,9* 7,9*	4,9 6,9*	6,1 6,9*	3,6 6,1*	4,6 6,1*							2,8 5,1*	3,7 5,1*	11,67
9,0	Stabilizers raised 4 pt. outriggers down							6,6 7,9*	7,9* 7,9*	4,8 6,9*	6,1 6,9*	3,6 6,0*	4,6 6,0*	2,7 5,3*	3,6 5,3*					2,4 4,9*	3,2 4,9*	12,60
7,5	Stabilizers raised 4 pt. outriggers down					9,1 9,7*	9,7* 9,7*	6,3 8,1*	8,0 8,1*	4,7 7,0*	5,9 7,0*	3,5 6,1*	4,5 6,1*	2,7 5,3*	3,5 5,3*					2,1 4,6*	2,9 4,6*	13,30
6,0	Stabilizers raised 4 pt. outriggers down			12,7* 12,7*	12,7* 12,7*	8,5 10,2*	10,2* 10,2*	6,0 8,4*	7,6 8,4*	4,4 7,1*	5,7 7,1*	3,4 6,1*	4,4 6,1*	2,6 5,3*	3,5 5,3*	2,0 4,5*	2,8 4,5*			1,9 4,3*	2,6 4,3*	13,80
4,5	Stabilizers raised 4 pt. outriggers down	21,7* 21,7*	21,7* 21,7*	11,8 14,3*	14,3* 14,3*	7,7 10,8*	10,0 10,8*	5,5 8,6*	7,1 8,6*	4,1 7,2*	5,4 7,2*	3,2 6,1*	4,2 6,1*	2,5 5,2*	3,3 5,2*	2,0 4,4*	2,7 4,4*			1,8 3,9*	2,5 3,9*	14,12
3,0	Stabilizers raised 4 pt. outriggers down			9,9 15,1*	13,7 15,1*	6,8 11,1*	9,0 11,1*	5,0 8,8*	6,6 8,8*	3,8 7,2*	5,0 7,2*	3,0 6,0*	4,0 6,0*	2,4 5,1*	3,2 5,1*	1,9 4,2*	2,6 4,2*			1,7 3,6*	2,4 3,6*	14,28
1,5	Stabilizers raised 4 pt. outriggers down			5,5* 5,5*	5,5* 5,5*	6,0 10,9*	8,2 10,9*	4,5 8,6*	6,1 8,6*	3,5 7,0*	4,7 7,0*	2,8 5,9*	3,8 5,9*	2,3 4,9*	3,1 4,9*	1,9 3,9*	2,6 3,9*			1,7 3,2*	2,4 3,2*	14,27
0	Stabilizers raised 4 pt. outriggers down			4,9* 4,9*	4,9* 4,9*	5,5 10,2*	7,7 10,2*	4,2 8,2*	5,7 8,2*	3,3 6,7*	4,5 6,7*	2,6 5,5*	3,6 5,5*	2,2 4,5*	3,0 4,5*	1,8 3,4*	2,5 3,4*			1,7 2,8*	2,4 2,8*	14,11
-1,5	Stabilizers raised 4 pt. outriggers down			5,7* 5,7*	5,7* 5,7*	5,3 8,8*	7,4 8,8*	4,0 7,3*	5,5 7,3*	3,1 6,0*	4,3 6,0*	2,5 4,9*	3,5 4,9*	2,1 3,9*	2,9 3,9*					1,8 2,8*	2,5 2,8*	13,37
-3,0	Stabilizers raised 4 pt. outriggers down					5,2 7,0*	7,0* 7,0*	3,9 6,0*	5,4 6,0*	3,1 5,0*	4,2 5,0*	2,5 4,0*	3,5 4,0*							2,2 3,3*	3,1 3,3*	11,55
-4,5	Stabilizers raised 4 pt. outriggers down																					
-6,0	Stabilizers raised 4 pt. outriggers down																					

Industrial Stick 7,50 m

m	Undercarriage	3,0 m		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	Stabilizers raised 4 pt. outriggers down					7,0* 7,0*	7,0* 7,0*													6,2* 6,2*	6,2* 6,2*	6,60
15,0	Stabilizers raised 4 pt. outriggers down							6,8 7,0*	7,0* 7,0*	4,8 5,3*	5,3* 5,3*									4,6 5,0*	5,0* 5,0*	9,20
13,5	Stabilizers raised 4 pt. outriggers down							7,1 7,4*	7,4* 7,4*	5,1 6,5*	6,4 6,5*	3,7 5,3*	4,7 5,3*							3,3 4,4*	4,3 4,4*	10,99
12,0	Stabilizers raised 4 pt. outriggers down									5,2 6,4*	6,4* 6,4*	3,9 5,7*	4,9 5,7*	2,9 4,8*	3,7 4,8*					2,6 4,1*	3,5 4,1*	12,35
10,5	Stabilizers raised 4 pt. outriggers down									5,3 6,3*	6,3* 6,3*	3,9 5,7*	5,0 5,7*	3,0 5,1*	3,8 5,1*					2,2 3,9*	2,9 3,9*	13,41
9,0	Stabilizers raised 4 pt. outriggers down									5,2 6,4*	6,4* 6,4*	3,9 5,7*	4,9 5,7*	2,9 5,1*	3,8 5,1*	2,2 4,5*	2,9 4,5*			1,9 3,7*	2,6 3,7*	14,22
7,5	Stabilizers raised 4 pt. outriggers down							6,9 7,5*	7,5* 7,5*	5,0 6,5*	6,3 6,5*	3,8 5,7*	4,8 5,7*	2,9 5,1*	3,7 5,1*	2,2 4,5*	2,9 4,5*			1,7 3,7*	2,3 3,7*	14,84
6,0	Stabilizers raised 4 pt. outriggers down							6,5 7,8*	7,8* 7,8*	4,8 6,7*	6,0 6,7*	3,6 5,8*	4,6 5,8*	2,8 5,1*	3,6 5,1*	2,1 4,5*	2,9 4,5*	1,6 3,8*	2,3 3,8*	1,6 3,6*	2,2 3,6*	15,29
4,5	Stabilizers raised 4 pt. outriggers down			9,3* 9,3*	9,3* 9,3*	8,6 9,9*	9,9* 9,9*	6,0 8,1*	7,7 8,1*	4,4 6,8*	5,7 6,8*	3,4 5,9*	4,4 5,9*	2,6 5,1*	3,5 5,1*	2,1 4,4*	2,8 4,4*	1,6 3,7*	2,2 3,7*	1,5 3,4*	2,1 3,4*	15,58
3,0	Stabilizers raised 4 pt. outriggers down	21,4* 21,4*	21,4* 21,4*	11,6 14,1*	14,1* 14,1*	7,6 10,5*	9,9 10,5*	5,4 8,4*	7,0 8,4*	4,0 7,0*	5,3 7,0*	3,1 5,9*	4,1 5,9*	2,5 5,1*	3,3 5,1*	1,9 4,4*	2,7 4,4*	1,5 3,6*	2,2 3,6*	1,4 3,1*	2,0 3,1*	15,72
1,5	Stabilizers raised 4 pt. outriggers down	2,7* 2,7*	2,7* 2,7*	9,7 14,8*	13,4 14,8*	6,6 10,8*	8,8 10,8*	4,8 8,5*	6,4 8,5*	3,7 7,0*	4,9 7,0*	2,9 5,9*	3,9 5,9*	2,3 5,0*	3,1 5,0*	1,8 4,2*	2,6 4,2*	1,5 3,4*	2,1 3,4*	1,4 2,8*	1,9 2,8*	15,72
0	Stabilizers raised 4 pt. outriggers down	2,4* 2,4*	2,4* 2,4*	7,1* 7,1*	7,1* 7,1*	5,8 10,7*	8,0 10,7*	4,3 8,4*	5,9 8,4*	3,3 6,8*	4,6 6,8*	2,7 5,7*	3,6 5,7*	2,1 4,8*	3,0 4,8*	1,7 3,9*	2,5 3,9*	1,4 3,0*	2,1 3,0*	1,4 2,5*	1,9 2,5*	15,57
-1,5	Stabilizers raised 4 pt. outriggers down	3,1* 3,1*	3,1* 3,1*	6,3* 6,3*	6,3* 6,3*	5,3 9,9*	7,4 9,9*	3,9 7,9*	5,5 7,9*	3,1 6,4*	4,3 6,4*	2,5 5,3*	3,5 5,3*	2,0 4,4*	2,8 4,4*	1,7 3,5*	2,4 3,5*	1,4 2,4*	2,0 2,4*	1,4 2,2*	2,0 2,2*	15,19
-3,0	Stabilizers raised 4 pt. outriggers down			6,6* 6,6*	6,6* 6,6*	5,0 8,6*	7,1 8,6*	3,7 7,0*	5,3 7,0*	2,9 5,8*	4,1 5,8*	2,4 4,7*	3,3 4,7*	1,9 3,8*	2,8 3,8*	1,6 2,9*	2,3 2,9*			1,6 2,5*	2,2 2,5*	14,04
-4,5	Stabilizers raised 4 pt. outriggers down					4,9 6,8*	6,8* 6,8*	3,6 5,7*	5,2 5,7*	2,8 4,8*	4,0 4,8*	2,3 3,8*	3,3 3,8*							1,9 3,0*	2,8 3,0*	11,91
-6,0	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 stabilisers raised and over the rigid axle with the stabilisers down. Indicated loads comply with the ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity.
In accordance with the harmonised EU Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe rupture protection devices on the hoist cylinders and an overload warning device.

Lift Capacities

with Industrial-Type Straight Boom 8,60 m (Kinematic Variant 3B)

Industrial Stick 6,00 m

m	Undercarriage	3,0 m		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	Stabilizers raised																					
	4 pt. outriggers down																					
15,0	Stabilizers raised					8,2*	8,2*													7,1	7,1*	6,82
	4 pt. outriggers down					8,2*	8,2*													7,1*	7,1*	
13,5	Stabilizers raised					7,4*	7,4*	6,5	6,6*	4,6	5,8									4,5	5,7	9,11
	4 pt. outriggers down					7,4*	7,4*	6,6*	6,6*	6,2*	6,2*									6,0*	6,0*	
12,0	Stabilizers raised							6,3*	6,3*	4,8	5,8*	3,5	4,5							3,3	4,3	10,70
	4 pt. outriggers down							6,3*	6,3*	5,8*	5,8*	5,5*	5,5*							5,4*	5,4*	
10,5	Stabilizers raised							6,3*	6,3*	4,9	5,8*	3,6	4,6							2,7	3,6	11,90
	4 pt. outriggers down							6,3*	6,3*	5,8*	5,8*	5,4*	5,4*							5,1*	5,1*	
9,0	Stabilizers raised					7,2*	7,2*	6,4*	6,4*	4,8	5,8*	3,6	4,6	2,7	3,6					2,3	3,1	12,80
	4 pt. outriggers down					7,2*	7,2*	6,4*	6,4*	5,8*	5,8*	5,4*	5,4*	5,0*	5,0*					4,9*	4,9*	
7,5	Stabilizers raised					7,7*	7,7*	6,3	6,7*	4,6	5,9	3,5	4,5	2,7	3,5					2,1	2,8	13,47
	4 pt. outriggers down					7,7*	7,7*	6,7*	6,7*	6,0*	6,0*	5,5*	5,5*	5,0*	5,0*					4,6	4,7*	
6,0	Stabilizers raised			10,6*	10,6*	8,4	8,5*	5,9	7,2*	4,4	5,6	3,3	4,3	2,6	3,4	2,0	2,7			1,9	2,5	13,95
	4 pt. outriggers down			10,6*	10,6*	8,5*	8,5*	7,2*	7,2*	6,3*	6,3*	5,6*	5,6*	5,1*	5,1*	4,5	4,7*			4,3	4,6*	
4,5	Stabilizers raised	19,4*	19,4*	11,5	12,6*	7,5	9,5*	5,4	7,0	4,1	5,3	3,1	4,1	2,5	3,3	2,0	2,7			1,7	2,4	14,26
	4 pt. outriggers down	19,4*	19,4*	12,6*	12,6*	9,5*	9,5*	7,8*	7,8*	6,6*	6,6*	5,8*	5,8*	5,2*	5,2*	4,5	4,7*			4,1	4,5*	
3,0	Stabilizers raised			9,6	10,6*	6,6	8,9	4,9	6,5	3,7	5,0	2,9	3,9	2,3	3,2	1,9	2,6			1,7	2,3	14,39
	4 pt. outriggers down			10,6*	10,6*	10,5*	10,5*	8,3*	8,3*	7,0*	7,0*	6,0*	6,0*	5,3	5,3*	4,4	4,7*			4,0	4,4*	
1,5	Stabilizers raised			4,7*	4,7*	5,9	8,1	4,4	6,0	3,4	4,6	2,7	3,7	2,2	3,0	1,8	2,5			1,6	2,3	14,37
	4 pt. outriggers down			4,7*	4,7*	11,2*	11,2*	8,8*	8,8*	7,2*	7,2*	6,2*	6,2*	5,1	5,4*	4,3	4,7*			3,9	4,3*	
0	Stabilizers raised			4,6*	4,6*	5,4	7,5	4,1	5,6	3,2	4,4	2,6	3,6	2,1	2,9	1,8	2,5			1,7	2,3	14,19
	4 pt. outriggers down			4,6*	4,6*	11,5*	11,5*	9,0*	9,0*	7,4*	7,4*	6,1	6,2*	5,0	5,4*	4,3	4,6*			4,0	4,2*	
-1,5	Stabilizers raised			5,6*	5,6*	5,2	7,3	3,9	5,4	3,1	4,3	2,5	3,5	2,1	2,9					1,8	2,5	13,34
	4 pt. outriggers down			5,6*	5,6*	11,1*	11,1*	8,9*	8,9*	7,3*	7,3*	6,0	6,1*	5,0	5,2*					4,3	4,4*	
-3,0	Stabilizers raised							3,8	5,3	3,0	4,2	2,5	3,4							2,2	3,1	11,34
	4 pt. outriggers down							8,5*	8,5*	7,0*	7,0*	5,8*	5,8*							5,3*	5,3*	
-4,5	Stabilizers raised																					
	4 pt. outriggers down																					
-6,0	Stabilizers raised																					
	4 pt. outriggers down																					

Industrial Stick 7,50 m

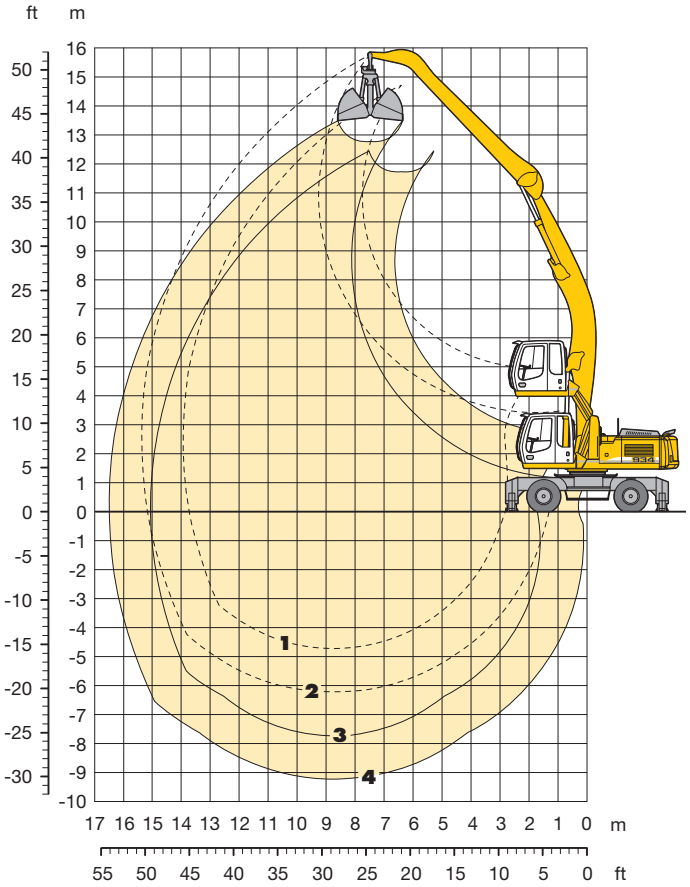
m	Undercarriage	3,0 m		4,5 m		6,0 m		7,5 m		9,0 m		10,5 m		12,0 m		13,5 m		15,0 m				m
16,5	Stabilizers raised					7,3*	7,3*													6,0*	6,0*	7,05
	4 pt. outriggers down					7,3*	7,3*													6,0*	6,0*	
15,0	Stabilizers raised							6,0*	6,0*	4,8	5,6*									4,3	4,9*	9,53
	4 pt. outriggers down							6,0*	6,0*	5,6*	5,6*									4,9*	4,9*	
13,5	Stabilizers raised							5,6*	5,6*	5,1	5,2*	3,7	4,8							3,1	4,1	11,27
	4 pt. outriggers down							5,6*	5,6*	5,2*	5,2*	5,0*	5,0*							4,3*	4,3*	
12,0	Stabilizers raised									5,1*	5,1*	3,9	4,8*	2,9	3,7					2,5	3,3	12,59
	4 pt. outriggers down									5,1*	5,1*	4,8*	4,8*	4,6*	4,6*					4,0*	4,0*	
10,5	Stabilizers raised									5,0*	5,0*	3,9	4,7*	2,9	3,8	2,2	2,9			2,1	2,8	13,61
	4 pt. outriggers down									5,0*	5,0*	4,7*	4,7*	4,5*	4,5*	4,1*	4,1*			3,8*	3,8*	
9,0	Stabilizers raised							5,5*	5,5*	5,1*	5,1*	3,9	4,8*	2,9	3,8	2,2	2,9			1,8	2,5	14,41
	4 pt. outriggers down							5,5*	5,5*	5,1*	5,1*	4,8*	4,8*	4,5*	4,5*	4,2*	4,2*			3,7*	3,7*	
7,5	Stabilizers raised							5,8*	5,8*	5,0	5,3*	3,7	4,8	2,9	3,7	2,2	2,9	1,6	2,3	1,6	2,3	15,01
	4 pt. outriggers down							5,8*	5,8*	5,3*	5,3*	4,9*	4,9*	4,5*	4,5*	4,3*	4,3*	3,7*	3,7*	3,7*	3,7*	
6,0	Stabilizers raised					7,2*	7,2*	6,3*	6,3*	4,7	5,6*	3,5	4,6	2,7	3,6	2,1	2,8	1,6	2,3	1,5	2,1	15,44
	4 pt. outriggers down					7,2*	7,2*	6,3*	6,3*	5,6*	5,6*	5,1*	5,1*	4,7*	4,7*	4,3*	4,3*	3,8	4,0*	3,6	3,6*	
4,5	Stabilizers raised			9,5*	9,5*	8,2*	8,2*	5,9	6,9*	4,4	5,6	3,3	4,3	2,6	3,4	2,0	2,7	1,6	2,2	1,4	2,0	15,71
	4 pt. outriggers down			9,5*	9,5*	8,2*	8,2*	6,9*	6,9*	6,0*	6,0*	5,3*	5,3*	4,8*	4,8*	4,4*	4,4*	3,8	4,0*	3,5	3,7*	
3,0	Stabilizers raised	19,1*	19,1*	11,3	12,3*	7,4	9,3*	5,3	6,9	4,0	5,2	3,1	4,1	2,4	3,2	1,9	2,6	1,5	2,1	1,3	1,9	15,84
	4 pt. outriggers down	19,1*	19,1*	12,3*	12,3*	9,3*	9,3*	7,5*	7,5*	6,4*	6,4*	5,6*	5,6*	5,0*	5,0*	4,4	4,5*	3,7	4,0*	3,4	3,7*	
1,5	Stabilizers raised	2,2*	2,2*	9,4	12,5*	6,4	8,6	4,7	6,3	3,6	4,8	2,8	3,8	2,2	3,1	1,8	2,5	1,5	2,1	1,3	1,9	15,82
	4 pt. outriggers down	2,2*	2,2*	12,5*	12,5*	10,3*	10,3*	8,1*	8,1*	6,7*	6,7*	5,8*	5,8*	5,1*	5,1*	4,3	4,5*	3,6	4,0*	3,3	3,7*	
0	Stabilizers raised	2,2*	2,2*	6,4*	6,4*	5,6	7,8	4,2	5,8	3,3	4,5	2,6	3,6	2,1	2,9	1,7	2,4	1,4	2,0	1,3	1,9	15,66
	4 pt. outriggers down	2,2*	2,2*	6,4*	6,4*	10,9*	10,9*	8,5*	8,5*	7,0*	7,0*	6,0*	6,0*	5,0	5,2*	4,2	4,5*	3,6	4,0*	3,4	3,6*	
-1,5	Stabilizers raised	3,1*	3,1*	5,9*	5,9*	5,1	7,3	3,9	5,4	3,0	4,2	2,4	3,4	2,0	2,8	1,6	2,3	1,4	2,0	1,4	2,0	15,20
	4 pt. outriggers down	3,1*	3,1*	5,9*	5,9*	11,2*	11,2*	8,7*	8,7*	7,2*	7,2*	5,9	6,0*	4,9	5,2*	4,1	4,5*	3,6	3,7*	3,5	3,6*	
-3,0	Stabilizers raised			6,4*	6,4*	4,9	7,0	3,6	5,2	2,9	4,0	2,3	3,3	1,9	2,7	1,6	2,3			1,5	2,2	13,98
	4 pt. outriggers down			6,4*	6,4*	10,9*	10,9*	8,6*	8,6*	7,1*	7,1*	5,8	5,9*	4,8	5,0*	4,1	4,2*			3,9	4,0*	
-4,5	Stabilizers raised					4,8	6,9	3,6	5,1	2,8	4,0	2,3	3,2							2,0	2,8	11,65
	4 pt. outriggers down					10,2*	10,2*	8,2*	8,2*	6,7*	6,7*	5,6*	5,6*							4,9*	4,9*	
-6,0	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 stabilisers raised and over the rigid axle with the stabilisers down. Indicated loads comply with the ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity.
In accordance with the harmonised EU Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe rupture protection devices on the hoist cylinders and an overload warning device.

Industrial Attachment

with Industrial-Type Gooseneck Boom 8,60 m



Attachment Envelope

Kinematic variant 3D

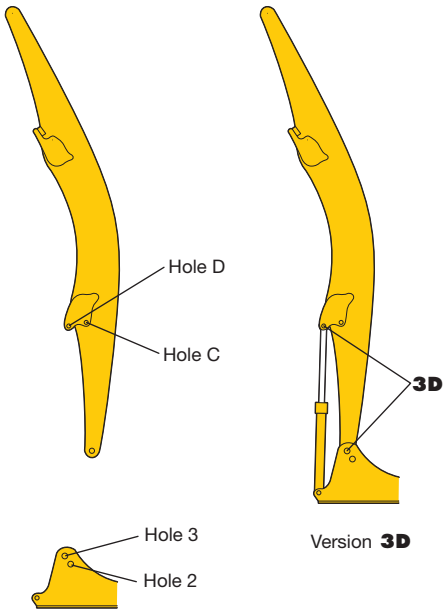
1 with industrial stick 6,00 m
2 with industrial stick 7,50 m
3 with industrial stick 6,00 m and clamshell model 20 B
4 with industrial stick 7,50 m and clamshell model 20 B

Operating Weight

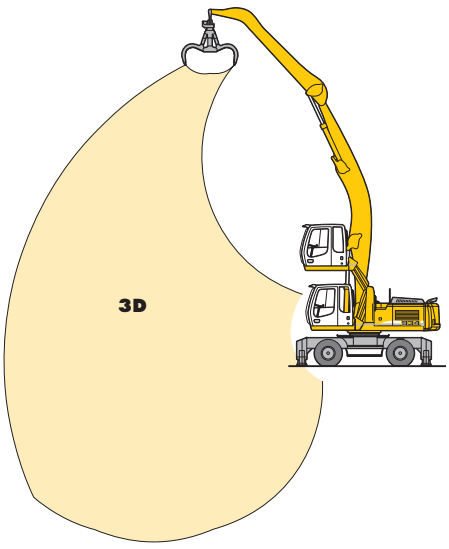
Operating weight includes basic machine A 934 C Litronic with 4 point outriggers, hydraulic cab elevation, 8 solid tires plus spacer rings and industrial application with industrial-type gooseneck boom 8,60 m.

with clamshell model 20 B/1,50 m³ shells for loose material	Weight
industrial stick 6,00 m	36900 kg
industrial stick 7,50 m	37200 kg

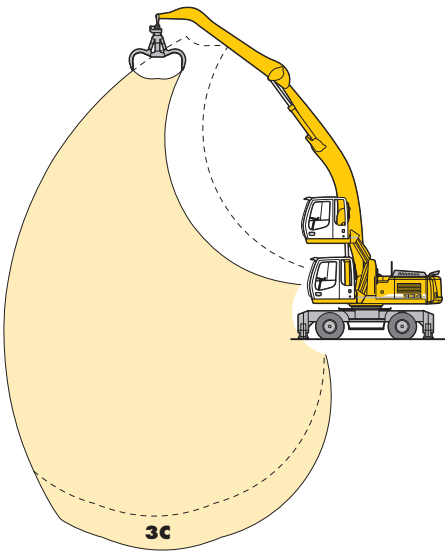
VarioLiftPlus



VarioLiftPlus: Variable boom mounting positions for optimized lift capacities with a **different** working range



Kinematic Variant 3D:
Increased lift capacities below ground level and when working at large outreach



Kinematic Variant 3C:
Altered range curve with additional reach depth, e.g. for unloading from ships

Lift Capacities

with Industrial-Type Gooseneck Boom 8,60 m (Kinematic Variant 3D)

Industrial Stick 6,00 m

m	Undercarriage	3,0 m		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	Stabilizers raised																					
	4 pt. outriggers down																					
15,0	Stabilizers raised																					
	4 pt. outriggers down																					
13,5	Stabilizers raised							6,1*	6,1*											5,5	5,6*	8,36
	4 pt. outriggers down							6,1*	6,1*											5,6*	5,6*	
12,0	Stabilizers raised									5,0	5,5*									4,0	5,1	10,08
	4 pt. outriggers down									5,5*	5,5*									5,2*	5,2*	
10,5	Stabilizers raised									5,0	5,4*	3,8	4,8							3,2	4,1	11,34
	4 pt. outriggers down									5,4*	5,4*	5,1*	5,1*							4,9*	4,9*	
9,0	Stabilizers raised							5,9*	5,9*	5,0	5,4*	3,7	4,8	2,8	3,7					2,7	3,5	12,29
	4 pt. outriggers down							5,9*	5,9*	5,4*	5,4*	5,1*	5,1*	4,8*	4,8*					4,8*	4,8*	
7,5	Stabilizers raised							6,2*	6,2*	4,8	5,6*	3,6	4,6	2,8	3,6					2,3	3,1	12,99
	4 pt. outriggers down							6,2*	6,2*	5,6*	5,6*	5,2*	5,2*	4,8*	4,8*					4,7*	4,7*	
6,0	Stabilizers raised					7,9*	7,9*	6,1	6,7*	4,5	5,8	3,5	4,5	2,7	3,5					2,1	2,8	13,48
	4 pt. outriggers down					7,9*	7,9*	6,7*	6,7*	5,9*	5,9*	5,4*	5,4*	4,9*	4,9*					4,6*	4,6*	
4,5	Stabilizers raised	18,1*	18,1*	11,8*	11,8*	7,8	9,0*	5,6	7,2	4,2	5,5	3,3	4,3	2,6	3,4	2,0	2,7			1,9	2,6	13,80
	4 pt. outriggers down	18,1*	18,1*	11,8*	11,8*	9,0*	9,0*	7,4*	7,4*	6,3*	6,3*	5,6*	5,6*	5,1*	5,1*	4,5	4,6*			4,4	4,6*	
3,0	Stabilizers raised	2,1*	2,1*	9,9	13,7	6,9	9,1	5,0	6,7	3,9	5,1	3,0	4,0	2,4	3,3	1,9	2,7			1,8	2,5	13,94
	4 pt. outriggers down	2,1*	2,1*	14,0*	14,0*	10,1*	10,1*	8,0*	8,0*	6,7*	6,7*	5,8*	5,8*	5,2*	5,2*	4,4	4,7*			4,2	4,5*	
1,5	Stabilizers raised	1,8*	1,8*	7,2*	7,2*	6,0	8,2	4,6	6,1	3,6	4,8	2,8	3,8	2,3	3,1	1,9	2,6			1,8	2,4	13,92
	4 pt. outriggers down	1,8*	1,8*	7,2*	7,2*	10,9*	10,9*	8,5*	8,5*	7,1*	7,1*	6,0*	6,0*	5,2	5,3*	4,4	4,7*			4,2	4,5*	
0	Stabilizers raised	3,1*	3,1*	6,4*	6,4*	5,5	7,7	4,2	5,7	3,3	4,5	2,6	3,6	2,2	3,0	1,8	2,5			1,7	2,4	13,73
	4 pt. outriggers down	3,1*	3,1*	6,4*	6,4*	11,4*	11,4*	8,9*	8,9*	7,3*	7,3*	6,1	6,2*	5,1	5,4*	4,3	4,7*			4,2	4,6*	
-1,5	Stabilizers raised			6,9*	6,9*	5,2	7,3	3,9	5,5	3,1	4,3	2,5	3,5	2,1	2,9					1,8	2,5	13,37
	4 pt. outriggers down			6,9*	6,9*	11,3*	11,3*	8,9*	8,9*	7,3*	7,3*	6,0	6,2*	5,0	5,3*					4,3	4,5*	
-3,0	Stabilizers raised					5,1	7,2	3,8	5,3	3,0	4,2	2,4	3,4	2,0	2,9					1,9	2,6	12,83
	4 pt. outriggers down					10,9*	10,9*	8,7*	8,7*	7,2*	7,2*	5,9	6,0*	4,9	5,1*					4,5*	4,5*	
-4,5	Stabilizers raised							3,8	5,3	3,0	4,2									2,5	3,4	10,46
	4 pt. outriggers down							8,1*	8,1*	6,7*	6,7*									5,6*	5,6*	
-6,0	Stabilizers raised																					
	4 pt. outriggers down																					

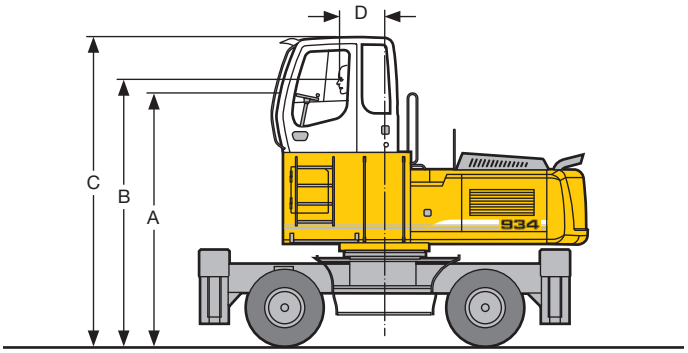
Industrial Stick 7,50 m

m	Undercarriage	3,0 m		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	Stabilizers raised																					
	4 pt. outriggers down																					
15,0	Stabilizers raised																			4,6*	4,6*	8,63
	4 pt. outriggers down																			4,6*	4,6*	
13,5	Stabilizers raised									4,8*	4,8*	3,9	4,2*							3,9	4,1*	10,53
	4 pt. outriggers down									4,8*	4,8*	4,2*	4,2*							4,1*	4,1*	
12,0	Stabilizers raised											4,0	4,4*							3,0	3,9*	11,93
	4 pt. outriggers down											4,4*	4,4*							3,9*	3,9*	
10,5	Stabilizers raised											4,1	4,4*	3,1	3,9					2,5	3,3	13,01
	4 pt. outriggers down											4,4*	4,4*	4,2*	4,2*					3,7*	3,7*	
9,0	Stabilizers raised											4,0	4,4*	3,1	3,9	2,3	3,0			2,2	2,9	13,84
	4 pt. outriggers down											4,4*	4,4*	4,2*	4,2*	4,1*	4,1*			3,7*	3,7*	
7,5	Stabilizers raised									4,9*	4,9*	3,9	4,6*	3,0	3,8	2,3	3,0			1,9	2,6	14,46
	4 pt. outriggers down									4,9*	4,9*	4,6*	4,6*	4,3*	4,3*	4,1*	4,1*			3,6*	3,6*	
6,0	Stabilizers raised							5,8*	5,8*	4,9	5,2*	3,7	4,7	2,8	3,7	2,2	2,9			1,7	2,3	14,91
	4 pt. outriggers down							5,8*	5,8*	5,2*	5,2*	4,8*	4,8*	4,4*	4,4*	4,1*	4,1*			3,7*	3,7*	
4,5	Stabilizers raised					7,5*	7,5*	6,1	6,4*	4,5	5,6*	3,5	4,5	2,7	3,5	2,1	2,8	1,6	2,3	1,6	2,2	15,19
	4 pt. outriggers down					7,5*	7,5*	6,4*	6,4*	5,6*	5,6*	5,0*	5,0*	4,6*	4,6*	4,2*	4,2*	3,8	3,9*	3,7	3,8*	
3,0	Stabilizers raised	17,8*	17,8*	11,5*	11,5*	7,7	8,7*	5,5	7,1*	4,1	5,4	3,2	4,2	2,5	3,3	2,0	2,7	1,6	2,2	1,5	2,1	15,32
	4 pt. outriggers down	17,8*	17,8*	11,5*	11,5*	8,7*	8,7*	7,1*	7,1*	6,1*	6,1*	5,3*	5,3*	4,8*	4,8*	4,3*	4,3*	3,8	4,0*	3,6	3,9*	
1,5	Stabilizers raised	4,6*	4,6*	9,7	13,5	6,6	8,9	4,9	6,5	3,7	5,0	2,9	3,9	2,3	3,2	1,9	2,6	1,5	2,1	1,4	2,0	15,30
	4 pt. outriggers down	4,6*	4,6*	13,6*	13,6*	9,8*	9,8*	7,8*	7,8*	6,5*	6,5*	5,6*	5,6*	5,0*	5,0*	4,4	4,4*	3,7	4,0*	3,6	3,9*	
0	Stabilizers raised	3,9*	3,9*	8,3	8,6*	5,8	8,0	4,3	5,9	3,4	4,6	2,7	3,7	2,2	3,0	1,7	2,5	1,4	2,1	1,4	2,0	15,14
	4 pt. outriggers down	3,9*	3,9*	8,6*	8,6*	10,6*	10,6*	8,3*	8,3*	6,8*	6,8*	5,8*	5,8*	5,1	5,1*	4,2	4,5*	3,6	4,0*	3,6	3,9*	
-1,5	Stabilizers raised	4,3*	4,3*	7,4*	7,4*	5,2	7,4	3,9	5,5	3,1	4,3	2,5	3,5	2,0	2,8	1,7	2,4			1,4	2,0	14,81
	4 pt. outriggers down	4,3*	4,3*	7,4*	7,4*	11,0*	11,0*	8,6*	8,6*	7,1*	7,1*	6,0*	6,0*	4,9	5,2*	4,2	4,5*			3,6	4,0*	
-3,0	Stabilizers raised	5,0*	5,0*	7,2	7,4*	4,9	7,1	3,7	5,2	2,9	4,1	2,3	3,3	1,9	2,7	1,6	2,3			1,5	2,1	14,32
	4 pt. outriggers down	5,0*	5,0*	7,4*	7,4*	11,0*	11,0*	8,7*	8,7*	7,1*	7,1*	5,8	6,0*	4,8	5,1*	4,1	4,4*			3,8	4,0*	
-4,5	Stabilizers raised			7,2	7,8*	4,8	6,9	3,6	5,1	2,8	4,0	2,3	3,2	1,9	2,7	1,6	2,3			1,6	2,3	13,56
	4 pt. outriggers down			7,8*	7,8*	10,6*	10,6*	8,4*	8,4*	6,9*	6,9*	5,7	5,8*	4,8	4,9*	4,0*	4,0*			4,0*	4,0*	
-6,0	Stabilizers raised							3,5	5,1	2,8	4,0	2,3	3,2							2,2	3,2	10,67
	4 pt. outriggers down							7,9*	7,9*	6,5*	6,5*	5,4*	5,4*							5,3*	5,3*	

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 stabilisers raised and over the rigid axle with the stabilisers down. Indicated loads comply with the ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity.
In accordance with the harmonised EU Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe rupture protection devices on the hoist cylinders and an overload warning device.

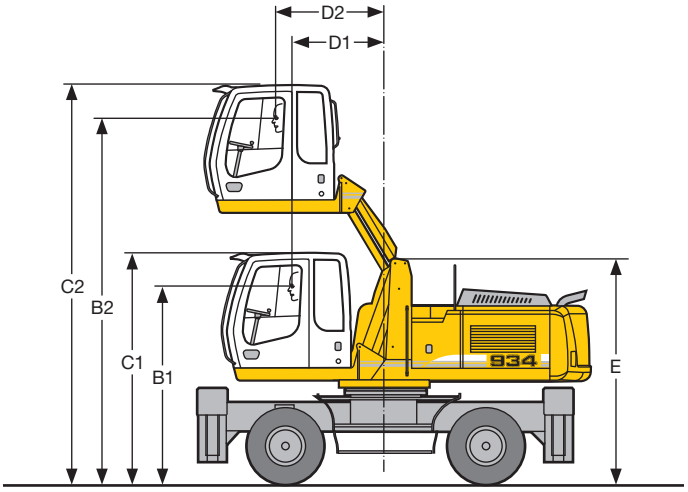
Choice of Cab Elevation and Cab Protection



Rigid Cab Elevation

Height	mm	800	1200	1500	2000
A	mm	3360	3760	4060	4560
B	mm	3700	4100	4400	4900
C	mm	4200	4600	4900	5400
D	mm	675	675	675	675

A rigid cab elevation has a fixed eye level height. For a lower transport height the shell of the cab can be removed. The overall height is then dimension A.
For additional protection of the operator a cab guard with or without screen cab guard and a front window screen are available.

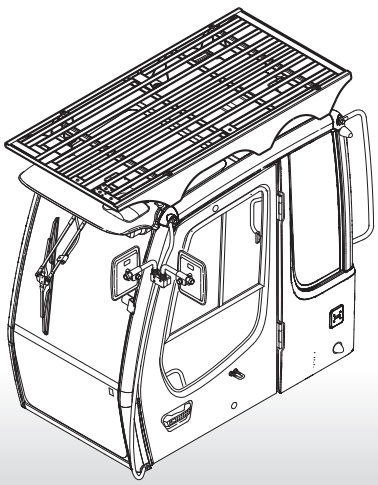


Hydraulic Cab Elevation (Parallelogram)

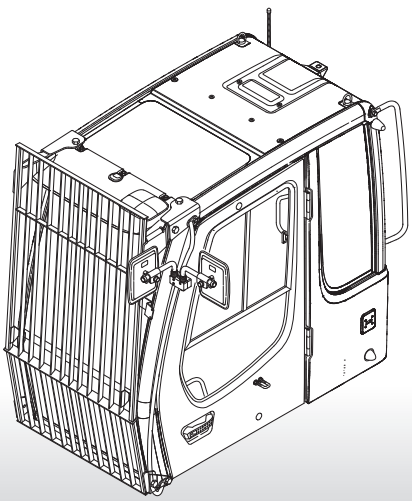
B1	2890 mm
B2	5390 mm
C1	3390 mm
C2	5890 mm
D1	1370 mm
D2	1615 mm
E	3305 mm

The parallelogram cab raiser allows the operator to choose his field of view between dimensions B1 and B2. For a transport height lower than C1 the shell of the cab can be removed. The overall height is then E.
As cab protection a front window screen can be installed.

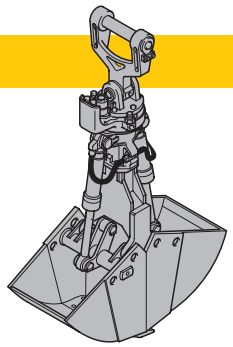
Grille above



Grilles in front

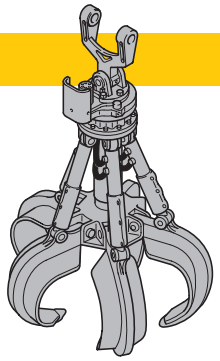


Variety of Tools



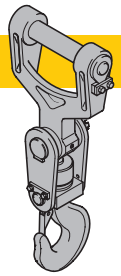
Shells for Loose Material

		Clamshell Model 20 B		Shells for loose material with cutting edge (without teeth)
Cutting width of shells	mm	1000	1200	1600
Capacity	m^3	1,30	1,50	2,00
For loose material, specific weight up to	t/m^3	1,5	1,5	1,5
Weight	kg	1355	1415	1550



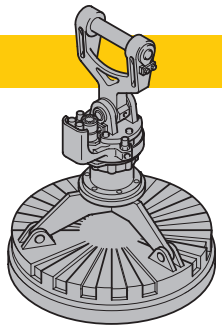
Multiple Tine Grapples

			open tines		semi-closed tines		closed tines	
Grapple Model 64	Capacity	m^3	0,40	0,60	0,40	0,60	0,40	0,60
(4 tines)	Weight	kg	845	1130	1055	1330	1060	1520
Grapple Model 65	Capacity	m^3	0,40	0,60	0,40	0,60	0,40	0,60
(5 tines)	Weight	kg	1150	1230	1285	1415	1325	1520
Grapple Model 69	Capacity	m^3	0,80	1,10	0,80	1,10	0,80	1,10
(4 tines)	Weight	kg	1345	1395	1535	1640	1900	2060
Grapple Model 70 C	Capacity	m^3	0,80	1,10	0,80	1,10	0,80	1,10
(5 tines)	Weight	kg	1485	1590	1705	1860	1950	1995



Crane Hook with Suspension

Max. load	t	12,5
Height with suspension	mm	930
Weight	kg	96



Magnet Devices/Lifting Magnets

Generator	kW	13	20
Electromagnets with Suspension			
Power	kW	8,5	10
Diameter of magnet	mm	1300	1400
Height with suspension	mm	1100	1100
Weight	kg	1350	1830

Equipment

Undercarriage

Two circuit travel brake with accumulator	•
Travel motor protection	+
Outrigger cylinder rod guards	+
Creeper speed electrically switchable from cab	•
New tires	•
Service free parking brake	•
Independent outrigger control	+
Choice of tires	+
Auto check valve directly on each stabilizer cylinder	•
Proportional power steering	•
Customized colors	+
Two lockable storage boxes	•
Two-speed power shift transmission	•

Uppercarriage

Electric fuel tank filler pump	+
Maintenance-free swing brake lock	•
Handrails, Non slip surfaces	•
Main switch for electric circuit	•
Engine hood with lift help	•
Pedal controlled positioning swing brake	•
Reverse travel warning system	+
Sound insulation	•
Customized colors	+
Maintenance-free HD-batteries	•
Lockable tool box	•
Tool kit	•

Hydraulics

Hydraulic tank shut-off valve	•
Extra hydr. control for hydr. swivel	+
Pressure compensation	•
Hook up for pressure checks	•
Pressure storage for controlled lowering of attachments with engine turned off	•
Filter with partial micro filteration (5 µm)	•
Electronic pump regulation	•
Stepless mode system (ECO)	•
Flow compensation	•
Four mixed modes, can also be adjusted	•
Full flow micro filtration	+
Bio degradable hydraulic oil	+
Tool Control	+
Additional hydraulic circuits	+

Engine

Turbo charger	•
After-cooled	•
Sensor controlled engine idling	•
Liebherr particle filter	+
Unit pump system	•
Air filter with pre-cleaner main- and safety element	•

Operator's Cab

Storage tray	•
Displays for engine operating condition	•
Mechanical hour meters, readable from outside the cab	•
Roof hatch	•
6-way adjustable seat	•
Airpressure operator seat with heating and head-rest	+
Seat and consoles independently adjustable	•
Extinguisher	+
Removable customized foot mat	•
Dome light	•
Hydraulic cab elevation	+
Rigid cab elevation	+
Cab heater with defroster	•
Cloth hook	•
Air conditioning	•
Electric cool box	+
Steering wheel adjustable	•
Bullet proof window (fixed installation – can not be opened)	+
Stereo radio	+
Preparation for radio installation	+
Rain hood over front window opening	•
Beacon	+
All tinted windows	•
Door with sliding window	•
Optical warning if outriggers are not fully retracted	+
Auxiliary heating	+
Sun shade	+
Sun roller blind	•
Electronic drive away lock	+
Wiper/washer	•
Cigarette lighter and ashtray	•
Additional flood lights	+

Attachment

Flood lights	•
Hydr. lines for clam operation in sticks	•
Industrial-type gooseneck sticks with remote hydraulic pin puller	+
Sealed pivots	•
Safety lift hook	+
Liebherr line of clams	+
Liebherr semi-automatic central lubrication system	•
Liebherr fully-automatic central lubrication system	+
Likufix	+
Safety check valves on hoist cylinder	•
Safety check valves on stick cylinder	•
Hose quick connection	•
Hydraulic or manual quick change tool adapter	+
Customized colors	+
Special buckets and other tools	+
Overload warning device	+
Two way valves for bucket/clam use	+
Locking of connections for clam operation	+
Cylinders with shock absorber	•

• = Standard, + = Option

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

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