Wheeled Excavator

A 924 C Plus
Litronic®

Operating Weight:	**26,600 - 27,300 kg**
Engine Output:	**135 kW / 184 HP**
Bucket Capacity:	**0.55 - 1.55 m³**

LIEBHERR

A 924 C Plus
Litronic®

Operating Weight:	26,600 - 27,300 kg
Engine Output:	135 kW / 184 HP
Bucket Capacity:	0.55 - 1.55 m³

Performance

Liebherr wheeled excavators have been designed for maximum productivity. Maximum digging performances, high lift capacities and quick working cycles are prerequisite for efficient building site operation, and a wide variety of attachments optimize every excavator application.

Economy

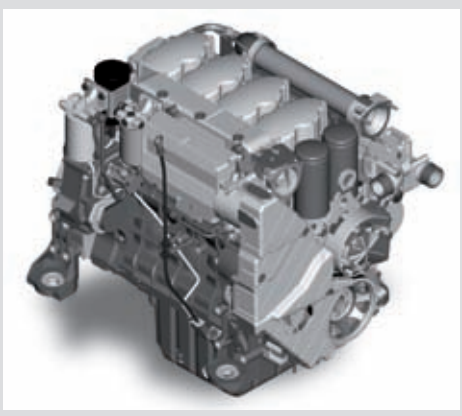
The Liebherr-Litronic-System increases machine performance, reduces fuel consumption and minimises service and maintenance costs. Due to Liebherr's well- balanced range, the ideal machine can always be selected to suit every application.

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 all-round view. Automatic air-conditioning guarantees an optimum temperature in the Liebherr Feel-Good cab at all times.

Reliability

Liebherr hydraulic excavators have been designed and built to withstand the toughest of conditions at the building site. Their rugged design, high-tensile materials and individual components ensure maximum availability and long life-expectancy.



Liebherr diesel engine

- Long life-expectancy, expansive cylinder capacity and increased weight
- According to level IIIA / Tier 3
- Specially designed for construction machinery operation
- Reliable oil supply even at 45° inclination (permanent slope operation)

Performance

The A 924 C Plus Litronic is the highest performance wheeled excavator made by Liebherr. It was designed for applications in which highest digging forces and load capacities have to be combined with mobility. 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 and productivity.

Innovative solutions

Extensive lifting capacities

Canalization and the lifting of pipes are everyday tasks for rubber-tyre excavators. These requirements are endorsed via an intelligent concept of uppercarriage sectioning together with the positioning of the Liebherr engine, mounted at a transversal angle directly in front of the counterweight. For heaviest load lift work the hydraulic pressure in the boom cylinders can be increased with the standard function PowerLift without time limit.

Quick working cycles

High swing torque – attained as a result of the Liebherr swing ring featuring internal teeth and swing drive, specially designed to increase the torque.

Liebherr Tool Control

Available as an option, immediately after the changeover of a hydraulic tool, the required pressure and oil flow values can be selected with a push of a button. Up to 10 values can be stored and therefore allow a simple and time saving tool change.

Liebherr Tool Management

With the optional tool management the hydraulic excavator automatically recognizes the attached tool. A memory chip in the attaching tool contains all relevant data, the transfer to the carrier unit is done contact free. The working time is being recorded on the attaching tool and are therefore available for invoicing or maintenance scheduling.

Rugged undercarriage

- Various undercarriage designs featuring welded, durable outriggers allow safe positioning, optimum stability, and long life-expectancy of the machine for every application.
- Support dozer blade in box-type design – only two bearing points for high torsional resistance
- Maintenance free support dozer blade (no greasing necessary)

Litronic

- 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

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 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.

Pleasant surroundings
Reduced engine speed together with elaborate sound insulation, allow a comfortable noise level both inside and out.

High work safety
The A 924 C Plus Litronic is equipped with an electronic hoist limitation and an automatic oscillating axle lock as a standard.

Maintenance features

Perfect lubrication
The semi-automatic lubrication system fitted as standard reliably lubricates the connected lubrication points

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 maintenance flaps allow comfortable and safe access to all maintenance points.

Maintenance free
The support dozer blade of a Liebherr wheeled excavator is maintenance free. Greasing is not necessary. That saves time, increases availability and secures the conservation of value

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

Liebherr particle filter

- Special filter system developed for construction machinery (designed for heavy duty construction site application)
- Minimum 97 % deposit rate for soot particles (VERT-, TRGS- and LRV-approval)
- Reduction of all fine and finest particles of at least 99 % (incl. soot particles)
- Reduction of the CO-discharge (carbon oxide gas) by at least 75 %
- Reduction of the HC-discharge (hydrocarbon) by at least 75 %

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

Maximum power of the engine is generated even when running at minimum speed. This allows the necessary output without limitation, whereby the torque which is available is ample for the level required, resulting high productivity with low 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.

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 long-term operational life-span, thus guaranteeing maximum resale values.

Liebherr spare parts

The original Liebherr spare parts ensure long service life and maximum reliability of the wheeled excavator. The extremely low spare parts price level ensures low operating costs.

Mobile with add-on axle

- Road service in Germany possible through optional add-on axle
- Economic transport from jobsite to jobsite
- Highest travel comfort through shock-absorbing add-on axle

Modular quick-change system made by Liebherr

- Likufix – connects all hydraulically mounted tools without having to leave the operator's cab, maximum productivity due to tool change being performed in a matter of seconds
- The suitable digging tool for every application. Your machine is a multi-functional tool carrier and will pay for itself very quickly indeed.
- Mechanic and hydraulic Liebherr quick-change adapter

Features

- High-tensile steel plates in high-stress areas for the toughest of applications
- Well-thought-out and secure bearings for attachments and cylinders
- Maximum resistance, even when lifting heavy loads

Reliability

Liebherr construction machinery is proven all over the world every day on the most diverse of building sites. Many years of experience as the world's largest manufacturer of rubber-tyre excavators, 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 924 C Plus Litronic is designed for a long service life and hardest applications.

Quality in detail

Liebherr components

Components such as engine, hydraulic cylinders, swing gear and electric parts have been specially designed, tested and manufactured by Liebherr for construction 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 predefined set data.
Filtering of metallic filings by the magnetic rod, fitted in the hydraulic system as standard, increases life-expectancy of the hydraulic components and the oil.

Rugged attachments

Working attachment

The durable attachments have been designed for the toughest of applications. All components are optimised to the FEM methods and the hoist cylinders feature bearings on both sides. The lifting rams are always supported by bearings on both sides and have separate bearing pins as standard.

Piping

The hydraulic lines are arranged optimally to safeguard 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: for high output at big fuel savings
  – Power-Mode: for heavy-duty digging-and loading performance under severe conditions
  – Lift-Mode: for precise handling of heavy loads
  – Fine-Mode: for fine control at precision work

Technical Data

Engine

Rating per ISO 9249	135 kW (184 HP) at 1,800 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 system	water-cooled and integrated motor oil cooler
Air cleaner	dry-type air cleaner with pre-cleaner, primary and safety elements
Fuel tank	400 l
Engine idling	sensor controlled
Electrical system	
Voltage	24 V
Batteries	2 x 135 Ah/12 V
Alternator	three phase current 28 V/80 A

Hydraulic System

Hydraulic pump	Liebherr, variable displacement, swash-plate double pump
Max. flow	2 x 215 l/min.
Max. hydr. pressure	350 bar/380 bar with PowerLift (pressure increase for boom cylinders)
Hydraulic pump regulation and control	Liebherr-Synchron-Comfort-system (LSC) with electronic horsepower regulation, pressure cut-off, load sensing and torque controlled swing drive priority
Hydraulic tank capacity	250 l
Hydraulic system capacity	max. 430 l
Filtration	one main return filter with integrated partial micro filtration (5 µm)
Cooling system	compact cooler, consisting of a water cooler, sandwiched with hydraulic oil cooler, fuel cooler and after-cooler cores and hydrostatically driven fan
Modes	can also be adjusted by the operator to adjust engine and hydraulic performance to match job conditions (Note: All modes provide full max. power)
LIFT	for precise lifting tasks
FINE	for precision work at high speed i.e. grading
ECO	for most economic performance at best environmental conditions
POWER	for max. output
Super-Finish	additional operator adjustable work speed function for further increased feathering. Applies to all modes and all control functions
RPM adjustment	stepless adjustment of engine output via rpm

Hydraulic Controls

Power distribution	via control valve with integrated safety valves, simultaneous and independent operation of travel drive, swing drive and work
Control type	
Attachment and swing	proportional via joystick levers
Travel	proportional via foot pedal
Additional functions	via switch and/or proportional foot pedals
Option	Liebherr-Proportional-Controls, proportionally acting transmitters on the joysticks for additional hydraulic functions

Swing Drive

Drive	swashplate motor with torque control and integrated brake valve
Transmission	Liebherr compact planetary reduction gear
Swing ring	Liebherr sealed single race ball bearing swing ring, internal teeth
Swing speed	0 – 8.0 RPM stepless
Swing torque	74 kNm
Holding brake	wet discs (spring applied – pressure released)
Option	pedal controlled positioning brake

Operator's Cab

Cab	resiliently mounted, sound insulated, tinted windows, front window stores overhead, door with sliding window, large roof window, sun visor
Operator's seat	fully adjustable, shockabsorbing suspension, adjustable to operator's weight and size, 6-way adjustable Liebherr seat
Joysticks	integrated into adjustable seat 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) = 103 dB(A)

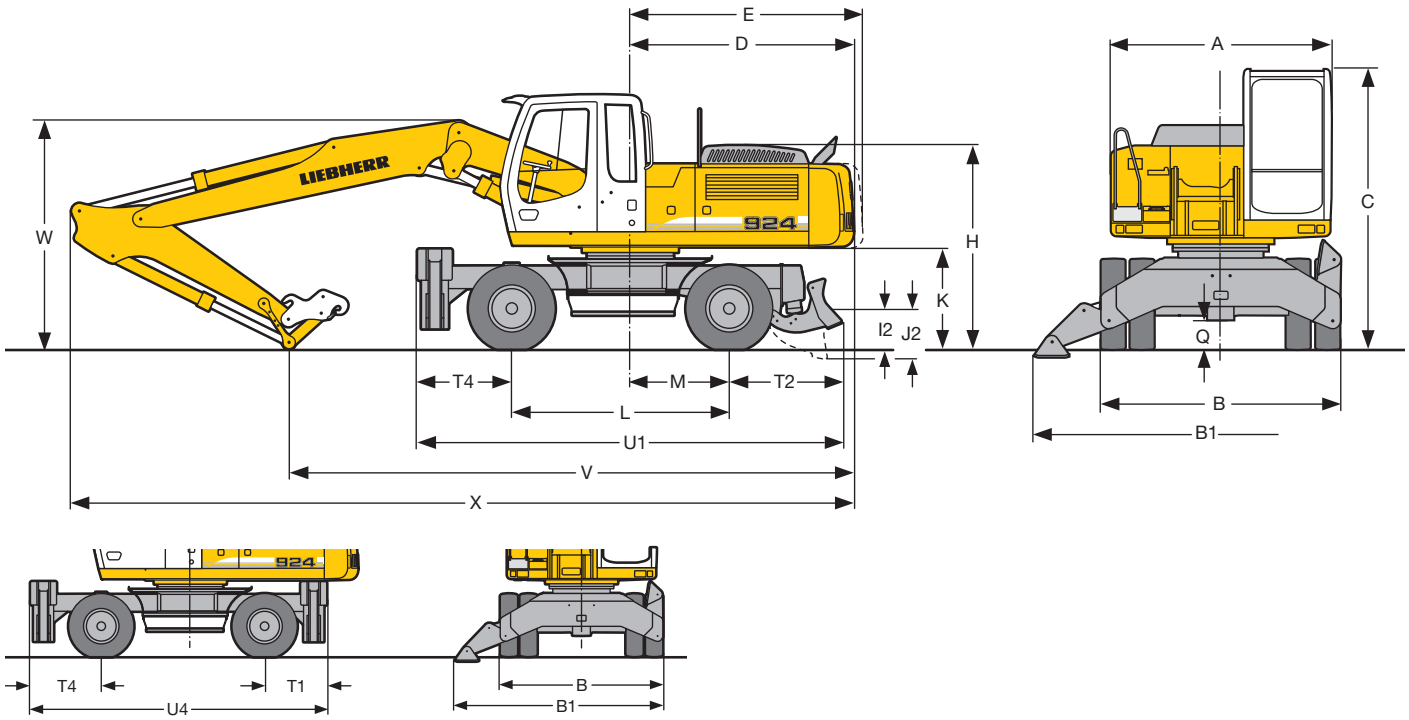
Undercarriage

Drive	variable flow swashplate motor with automatic brake valve
Transmission	oversized two speed power shift transmission with additional creeper speed
Travel speed	0 – 2.5 km/h (creeper speed off road) 0 – 5.0 km/h (off road) 0 – 9.0 km/h (creeper speed on road) 0 – 20.0 km/h (road travel) 0 – 25.0 km/h Speeder (Option)
Axles	45 t excavator axles; automatic or operator controlled front axle oscillation lock
Brakes	steering and rigid axle with wet, maintenance-free multi disc brakes with minimized backlash. Spring applied/pressure released parking brake integrated into gear box
Stabilization	stabilizing blade, rear + 2 pt. outriggers, front 4 point outriggers

Attachment

Hydraulic cylinders	Liebherr cylinders with special seal system. Shock absorption
Pivots	sealed, low maintenance
Lubrication	Liebherr semi-automatic central lubrication system

Dimensions



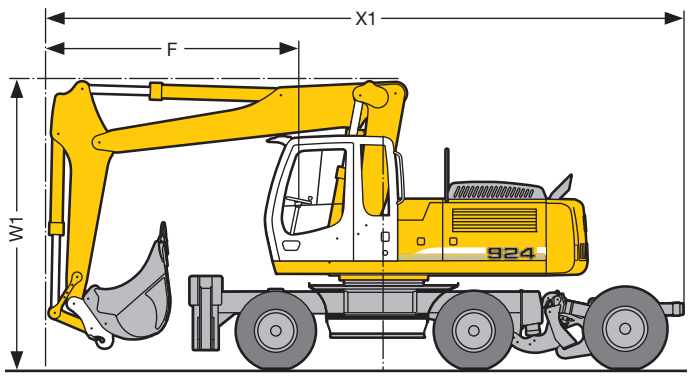
	mm
A	2,550
B	2,750
B1	4,260
C	3,215
D	2,820
E	2,885
F	3,500
H	2,580
I	465
J	590
K	1,295
L	2,750
M	1,250
Q	360
T1	1,040
T2	1,410
T4	1,190
U1	5,350
U4	4,980
W1	4,000
X1	8,800

E = Tail radius

	Stick	Hydr. Adjustable Boom 4.15 m		Hydr. Adjustable Boom 3.90 m	
		2 pt., front + blade, rear	4 pt.	2 pt., front + blade, rear	4 pt.
	m	mm	mm	mm	mm
V	2.25	7,150	7,150	6,750	6,750
	2.45	7,000	7,000	6,650	6,650
	2.65	6,900	6,900	6,550	6,550
	3.05	6,600	6,600	6,250	6,250
W	2.25	3,000	3,000	3,000	3,000
	2.45	3,050	3,050	3,050	3,050
	2.65	3,100	3,100	3,100	3,100
	3.05	3,200	3,200	3,200	3,200
X	2.25	10,000	10,000	9,700	9,700
	2.45	10,000	10,000	9,700	9,700
	2.65	10,000	10,000	9,700	9,700
	3.05	9,950	9,950	9,700	9,700

Dimensions are with attachment over steering axle

Tires 11.00-20

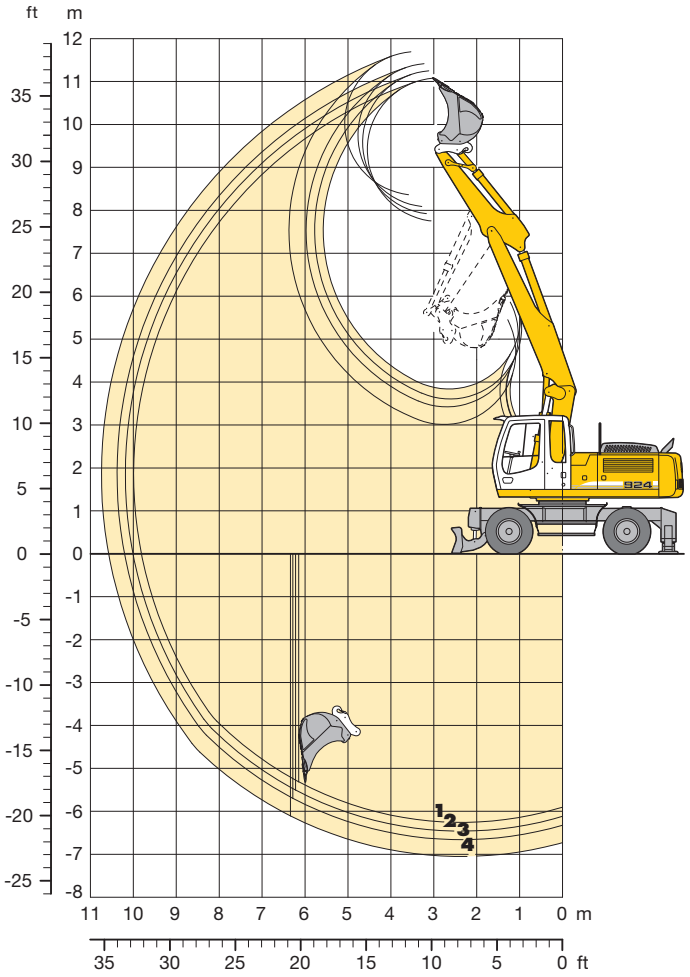


Road travel with hydraulically adjustable boom 4.15 m

Road traffic licencings regulations for Germany Hydr. Adjustable Boom 4.15 m/3.90 m	possible with bucket
Stick length 2.25 m	X
Stick length 2.45 m	X

Backhoe Attachment

with Hydr. Adjustable Boom 4.15 m



Digging Envelope with Quick Change Adapter

		1	2	3	4
Stick length	m	2.25	2.45	2.65	3.05
Max. digging depth	m	6.25	6.45	6.65	7.05
Max. reach at ground level	m	9.80	10.00	10.20	10.60
Max. dumping height	m	7.75	7.90	8.10	8.35
Max. teeth height	m	11.10	11.25	11.40	11.70
Min. attachment radius	m	3.30	3.10	3.20	3.35

Digging Forces without Quick Change Adapter

		1	2	3	4
Max. digging force (ISO 6015)	kN	148.5	139.7	131.9	118.8
	t	15.1	14.2	13.4	12.1
Max. breakout force (ISO 6015)	kN	169.6	169.6	169.6	169.6
	t	17.3	17.3	17.3	17.3

Max. breakout force with ripper bucket	218.4 kN (22.3 t)
Max. possible digging force (stick 1.70 m)	180.1 kN (18.4 t)

Operating Weight

The operating weight includes the basic machine with 8 tires plus spacer rings, hydr. adjustable boom 4.15 m, stick 2.45 m, quick change adapter 48 and bucket 1,400 mm/1.35 m³.

Undercarriage versions	Weight
A 924 C Plus Litronic® with 2 pt. outr. + stabilizer blade	26,700 kg
A 924 C Plus Litronic® with 4 pt. outriggers	27,100 kg

Buckets Machine stability per ISO 10567* (75% of tipping capacity)

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised				2 pt. outriggers down + Stabilizer blade				4 pt. outriggers down			
			Stick length (m)				Stick length (m)				Stick length (m)			
mm	m³	kg	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05
850[2]	0.75	620	□	□	□	□	□	□	□	□	□	□	□	□
1,050[2]	0.95	710	□	□	□	□	□	□	□	□	□	□	□	□
1,250[2]	1.15	810	□	□	□	□	□	□	□	□	□	□	□	□
1,400[2]	1.35	850	□	△	△	△	□	□	□	□	□	□	□	□
1,500[2]	1.45	880	△	△	△	■	□	□	□	□	□	□	□	□
1,600[2]	1.55	940	△	■	■	■	□	□	□	□	□	□	□	□
850[3]	0.75	690	□	□	□	□	□	□	□	□	□	□	□	□
1,050[3]	0.95	800	□	□	□	□	□	□	□	□	□	□	□	□
1,250[3]	1.15	910	□	□	□	△	□	□	□	□	□	□	□	□
1,400[3]	1.35	960	△	△	△	■	□	□	□	□	□	□	□	□
1,500[3]	1.45	1,000	△	△	■	■	□	□	□	□	□	□	□	□
1,600[3]	1.55	1,060	△	■	■	■	□	□	□	□	□	□	□	□
850[4]	0.80	630	□	□	□	□	□	□	□	□	□	□	□	□
1,050[4]	1.05	720	□	□	□	□	□	□	□	□	□	□	□	□
1,250[4]	1.30	800	□	□	△	△	□	□	□	□	□	□	□	□
1,400[4]	1.50	870	△	△	△	■	□	□	□	□	□	□	□	□
1,500[4]	1.65	890	△	■	■	■	□	□	□	□	□	□	□	□
1,600[4]	1.70	950	■	■	■	▲	□	□	□	□	□	□	□	□

* Indicated loads are based on ISO 10567 and do not exceed 75 % of tipping or 87 % of hydraulic capacity, max. stick length without quick change adapter, lifted 360° on firm with blocked oscillating axle

[1] comparable with SAE (heaped)

[2] Bucket with teeth [3] Bucket with teeth in HD-version [4] Bucket with cutting lip (also available in HD-version)

Max. material weight □ = ≤ 1.8 t/m³, △ = ≤ 1.5 t/m³, ■ = ≤ 1.2 t/m³, ▲ = not authorized

Lift Capacities

with Hydr. Adjustable Boom 4.15 m

Stick 2.25 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		m
9.0	Stabilizers raised			7.4*	7.4*							4.57
	2 pt. down + blade			7.4*	7.4*							
	4 pt. outriggers down			7.4*	7.4*							
7.5	Stabilizers raised			8.6*	8.6*	5.9	7.5*					6.43
	2 pt. down + blade			8.6*	8.6*	7.5*	7.5*					
	4 pt. outriggers down			8.6*	8.6*	7.5*	7.5*					
6.0	Stabilizers raised			8.9*	8.9*	6.0	8.1	4.0	5.6			7.54
	2 pt. down + blade			8.9*	8.9*	8.5*	8.5*	5.7*	5.7*			
	4 pt. outriggers down			8.9*	8.9*	8.5*	8.5*	5.7*	5.7*			
4.5	Stabilizers raised	15.9*	16.8*	8.8	11.4*	5.9	8.0	4.1	5.7			8.22
	2 pt. down + blade	16.8*	16.8*	11.4*	11.4*	8.8	9.1*	6.3	7.7*			
	4 pt. outriggers down	16.8*	16.8*	11.4*	11.4*	9.1*	9.1*	7.7	7.7*			
3.0	Stabilizers raised	15.2	16.6*	8.5	11.8	5.8	7.8	4.0	5.6			8.57
	2 pt. down + blade	16.6*	16.6*	13.2	13.3*	8.7	9.8*	6.3	8.0*			
	4 pt. outriggers down	16.6*	16.6*	13.3*	13.3*	9.8*	9.8*	7.6	8.0*			
1.5	Stabilizers raised	15.0	16.8*	8.4*	11.6	5.8	7.8	3.9	5.5			8.64
	2 pt. down + blade	16.8*	16.8*	13.0	14.3*	8.6	10.4*	6.2	8.1*			
	4 pt. outriggers down	16.8*	16.8*	14.3*	14.3*	10.3*	10.4*	7.6	8.1*			
0	Stabilizers raised	15.0	19.9*	8.3	11.7*	5.6	7.9	3.8	5.3			8.44
	2 pt. down + blade	19.9*	19.9*	13.0	14.3*	8.7*	10.4*	6.0	8.2*			
	4 pt. outriggers down	19.9*	19.9*	14.3*	14.3*	10.3	10.4*	7.5	8.2*			
-1.5	Stabilizers raised	14.5	23.0*	8.0	11.8	5.2	7.5	3.6	5.2			7.94
	2 pt. down + blade	23.0*	23.0*	13.3	14.5*	8.5	10.5*	5.8	7.6*			
	4 pt. outriggers down	23.0*	23.0*	14.5*	14.5*	10.5*	10.5*	7.3	7.6*			
-3.0	Stabilizers raised	14.4	23.8*	7.8	11.5	5.0	7.2					7.09
	2 pt. down + blade	23.8*	23.8*	13.2	15.0*	8.1	9.8*					
	4 pt. outriggers down	23.8*	23.8*	15.0*	15.0*	9.8*	9.8*					
-4.5	Stabilizers raised	14.1	19.3*	7.5	9.8*							4.95
	2 pt. down + blade	19.3*	19.3*	9.8*	9.8*							
	4 pt. outriggers down	19.3*	19.3*	9.8*	9.8*							

Stick 2.45 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		m
9.0	Stabilizers raised			7.7*	7.7*							4.94
	2 pt. down + blade			7.7*	7.7*							
	4 pt. outriggers down			7.7*	7.7*							
7.5	Stabilizers raised					5.9	7.4*					6.70
	2 pt. down + blade					7.4*	7.4*					
	4 pt. outriggers down					7.4*	7.4*					
6.0	Stabilizers raised			8.0*	8.0*	6.0	8.1	4.0	5.6			7.77
	2 pt. down + blade			8.0*	8.0*	8.2*	8.2*	6.3	6.4*			
	4 pt. outriggers down			8.0*	8.0*	8.2*	8.2*	6.4*	6.4*			
4.5	Stabilizers raised	14.2*	14.2*	8.8	11.1*	5.9	8.0	4.1	5.7			8.43
	2 pt. down + blade	14.2*	14.2*	11.1*	11.1*	8.8	8.9*	6.4	7.6*			
	4 pt. outriggers down	14.2*	14.2*	11.1*	11.1*	8.9*	8.9*	7.6*	7.6*			
3.0	Stabilizers raised	15.2	16.8*	8.5	11.8	5.7	7.8	4.1	5.7			8.77
	2 pt. down + blade	16.8*	16.8*	13.0*	13.0*	8.6	9.7*	6.3	7.9*			
	4 pt. outriggers down	16.8*	16.8*	13.0*	13.0*	9.7*	9.7*	7.6	7.9*			
1.5	Stabilizers raised	14.8	16.7*	8.4	11.6	5.7	7.7	4.0	5.5			8.84
	2 pt. down + blade	16.7*	16.7*	13.0	14.2*	8.6	10.3*	6.2	8.1*			
	4 pt. outriggers down	16.7*	16.7*	14.2*	14.2*	10.3*	10.3*	7.6	8.1*			
0	Stabilizers raised	15.0	19.5*	8.3	11.6*	5.6	7.8	3.8	5.4			8.64
	2 pt. down + blade	19.5*	19.5*	13.0	14.3*	8.6*	10.3*	6.0	8.1*			
	4 pt. outriggers down	19.5*	19.5*	14.3*	14.3*	10.3	10.3*	7.5	8.1*			
-1.5	Stabilizers raised	14.5	22.7*	8.0	11.8	5.3	7.5	3.6	5.2			8.16
	2 pt. down + blade	22.7*	22.7*	13.2*	14.4*	8.5	10.5*	5.8	7.9*			
	4 pt. outriggers down	22.7*	22.7*	14.4*	14.4*	10.4	10.5*	7.3	7.9*			
-3.0	Stabilizers raised	14.3	23.5*	7.8	11.6	5.0	7.2					7.33
	2 pt. down + blade	23.6*	23.6*	13.2	14.9*	8.2	10.2*					
	4 pt. outriggers down	23.6*	23.6*	14.9*	14.9*	10.2*	10.2*					
-4.5	Stabilizers raised	14.1	20.9*	7.5	11.2							5.44
	2 pt. down + blade	20.9*	20.9*	11.2*	11.2*							
	4 pt. outriggers down	20.9*	20.9*	11.2*	11.2*							

Stick 2.65 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		m
9.0	Stabilizers raised			7.6*	7.6*							5.30
	2 pt. down + blade			7.6*	7.6*							
	4 pt. outriggers down			7.6*	7.6*							
7.5	Stabilizers raised					6.0	7.1*					6.96
	2 pt. down + blade					7.1*	7.1*					
	4 pt. outriggers down					7.1*	7.1*					
6.0	Stabilizers raised			7.2*	7.2*	6.0	7.7*	4.1	5.7			7.99
	2 pt. down + blade			7.2*	7.2*	7.7*	7.7*	6.3	6.5*			
	4 pt. outriggers down			7.2*	7.2*	7.7*	7.7*	6.5*	6.5*			
4.5	Stabilizers raised	9.9*	9.9*	8.8	9.6*	5.9	8.0	4.1	5.7			8.63
	2 pt. down + blade	9.9*	9.9*	9.6*	9.6*	8.7*	8.7*	6.4	7.5*			
	4 pt. outriggers down	9.9*	9.9*	9.6*	9.6*	8.7*	8.7*	7.5*	7.5*			
3.0	Stabilizers raised	15.1	17.3*	8.5	11.8*	5.8	7.8	4.1	5.7			8.97
	2 pt. down + blade	17.3*	17.3*	12.7*	12.7*	8.6	9.5*	6.3	7.8*			
	4 pt. outriggers down	17.3*	17.3*	12.7*	12.7*	9.5*	9.5*	7.6	7.8*			
1.5	Stabilizers raised	14.9	16.6*	8.4	11.5	5.7	7.7	4.0	5.6	2.8	4.0	9.04
	2 pt. down + blade	16.6*	16.6*	12.9	14.1*	8.5*	10.2*	6.2	8.0*	4.5	5.2*	
	4 pt. outriggers down	16.6*	16.6*	14.1*	14.1*	10.2*	10.2*	7.5	8.0*	5.2*	5.2*	
0	Stabilizers raised	14.9	18.9*	8.4*	11.6	5.6	7.7	3.8	5.4			8.85
	2 pt. down + blade	18.9*	18.9*	12.9	14.2*	8.5	10.3*	6.1	8.0*			
	4 pt. outriggers down	18.9*	18.9*	14.2*	14.2*	10.2	10.3*	7.5	8.0*			
-1.5	Stabilizers raised	14.4	22.3*	8.0	11.8	5.3	7.6	3.6	5.2			8.37
	2 pt. down + blade	22.3*	22.3*	13.1*	14.3*	8.6	10.4*	5.9	8.0*			
	4 pt. outriggers down	22.3*	22.3*	14.3*	14.3*	10.3	10.4*	7.3	8.0*			
-3.0	Stabilizers raised	14.2	23.4*	7.9	11.6	5.0	7.2	3.5	5.1			7.56
	2 pt. down + blade	23.4*	23.4*	13.3	14.7*	8.2	10.4*	5.5*	5.5*			
	4 pt. outriggers down	23.4*	23.4*	14.7*	14.7*	10.4	10.4*	5.5*	5.5*			
-4.5	Stabilizers raised	14.1	22.2*	7.4	11.2							5.87
	2 pt. down + blade	22.2*	22.2*	12.3*	12.3*							
	4 pt. outriggers down	22.2*	22.2*	12.3*	12.3*							

Stick 3.05 m

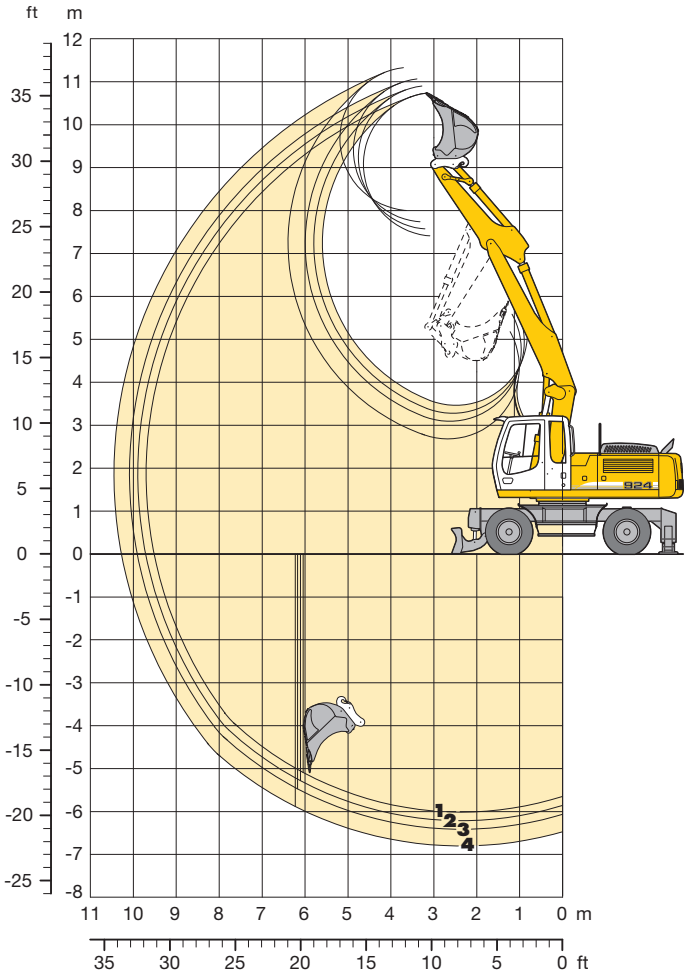
m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		m
9.0	Stabilizers raised											5.90
	2 pt. down + blade											
	4 pt. outriggers down											
7.5	Stabilizers raised					6.1	6.4*					7.42
	2 pt. down + blade					6.4*	6.4*					
	4 pt. outriggers down					6.4*	6.4*					
6.0	Stabilizers raised					6.0	6.7*	4.2	5.7			8.39
	2 pt. down + blade					6.7*	6.7*	6.2*	6.2*			
	4 pt. outriggers down					6.7*	6.7*	6.2*	6.2*			
4.5	Stabilizers raised			7.6*	7.6*	5.9	7.8*	4.2	5.8	2.9	4.0*	9.01
	2 pt. down + blade			7.6*	7.6*	7.8*	7.8*	6.4	7.2*	4.0*	4.0*	
	4 pt. outriggers down			7.6*	7.6*	7.8*	7.8*	7.2*	7.2*	4.0*	4.0*	
3.0	Stabilizers raised	15.3*	18.0*	8.6*	11.8	5.7	7.8	4.2	5.7	2.9	4.1	9.33
	2 pt. down + blade	18.0*	18.0*	12.1*	12.1*	8.6	9.2*	6.3	7.6*	4.6	5.6*	
	4 pt. outriggers down	18.0*	18.0*	12.1*	12.1*	9.2*	9.2*	7.6	7.6*	5.6*	5.6*	
1.5	Stabilizers raised	14.8	16.6*	8.3	11.6	5.6	7.6	4.1	5.6	2.8	4.0	9.39
	2 pt. down + blade	16.6*	16.6*	12.9	13.8*	8.5	10.0*	6.3*	7.9*	4.5	6.4*	
	4 pt. outriggers down	16.6*	16.6*	13.8*	13.8*	10.0*	10.0*	7.5*	7.9*	5.6	6.4*	
0	Stabilizers raised	14.8	18.3*	8.2	11.5	5.6	7.7	3.9	5.5	2.7	3.9	9.21
	2 pt. down + blade	18.3*	18.3*	12.8	14.1*	8.4*	10.2*	6.1	8.0*	4.4	6.2*	
	4 pt. outriggers down	18.3*	18.3*	14.1*	14.1*	10.1*	10.2*	7.5	8.0*	5.5	6.2*	
-1.5	Stabilizers raised	14.5	21.5*	8.0	11.6	5.4	7.7	3.6	5.2			8.76
	2 pt. down + blade	21.5*	21.5*	12.9*	14.2*	8.6	10.3*	5.9	8.1*			
	4 pt. outriggers down	21.5*	21.5*	14.2*	14.2*	10.2*	10.3*	7.4	8.1*			
-3.0	Stabilizers raised	14.2	23.0*	7.8	11.6	5.0	7.3	3.5	5.0			7.99
	2 pt. down + blade	23.2*	23.2*	13.2	14.5*	8.2	10.6*	5.7	7.0*			
	4 pt. outriggers down	23.2*	23.2*	14.5*	14.5*	10.4	10.6*	7.0*	7.0*			
-4.5	Stabilizers raised	14.2	23.6*	7.5	11.2	4.8	7.0					6.60
	2 pt. down + blade	23.6*	23.6*	12.8	13.8*	7.7*	7.7*					
	4 pt. outriggers down	23.6*	23.6*	13.8*	13.8*	7.7*	7.7*					

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

With PowerLift 380 bar the lift capacities on the load hook of the Liebherr quick-change adapter 48 without grab 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. The values apply when the adjusting cylinder is in the optimal position. Indicated loads comply with the ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity, or are limited by the permissible load of the load hook on the quick-change adapter (max. 12 t). Without the quick-change adapter, lift capacities will increase by up to 226 kg.
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.

Backhoe Attachment

with Hydr. Adjustable Boom 3.90 m



Digging Envelope with Quick Change Adapter

		1	2	3	4
Stick length	m	2.25	2.45	2.65	3.05
Max. digging depth	m	6.00	6.20	6.40	6.80
Max. reach at ground level	m	9.50	9.70	9.90	10.25
Max. dumping height	m	7.40	7.60	7.75	8.00
Max. teeth height	m	10.75	10.90	11.05	11.35
Min. attachment radius	m	3.30	3.05	3.15	3.25

Digging Forces without Quick Change Adapter

		1	2	3	4
Max. digging force (ISO 6015)	kN	148.5	139.7	131.9	118.8
	t	15.1	14.2	13.4	12.1
Max. breakout force (ISO 6015)	kN	169.6	169.6	169.6	169.6
	t	17.3	17.3	17.3	17.3

Max. breakout force with ripper bucket	218.4 kN (22.3 t)
Max. possible digging force (stick 1.70 m)	180.1 kN (18.4 t)

Operating Weight

The operating weight includes the basic machine with 8 tires plus spacer rings, hydr. adjustable boom 3.90 m, stick 2.45 m, quick change adapter 48 and bucket 1,400 mm/1.35 m³.

Undercarriage versions	Weight
A 924 C Plus Litronic® with 2 pt. outr. + stabilizer blade	26,600 kg
A 924 C Plus Litronic® with 4 pt. outriggers	27,000 kg

Buckets Machine stability per ISO 10567* (75% of tipping capacity)

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised				2 pt. outriggers down + Stabilizer blade				4 pt. outriggers down			
			Stick length (m)				Stick length (m)				Stick length (m)			
			2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05
mm	m³	kg												
850[2]	0.75	620	□	□	□	□	□	□	□	□	□	□	□	□
1,050[2]	0.95	710	□	□	□	□	□	□	□	□	□	□	□	□
1,250[2]	1.15	810	□	□	□	□	□	□	□	□	□	□	□	□
1,400[2]	1.35	850	□	□	□	△	□	□	□	□	□	□	□	□
1,500[2]	1.45	880	□	△	△	△	□	□	□	□	□	□	□	□
1,600[2]	1.55	940	△	△	△	■	□	□	□	□	□	□	□	□
850[3]	0.75	690	□	□	□	□	□	□	□	□	□	□	□	□
1,050[3]	0.95	800	□	□	□	□	□	□	□	□	□	□	□	□
1,250[3]	1.15	910	□	□	□	□	□	□	□	□	□	□	□	□
1,400[3]	1.35	960	□	□	△	△	□	□	□	□	□	□	□	□
1,500[3]	1.45	1,000	△	△	△	■	□	□	□	□	□	□	□	□
1,600[3]	1.55	1,060	△	△	■	■	□	□	□	□	□	□	□	□
850[4]	0.80	630	□	□	□	□	□	□	□	□	□	□	□	□
1,050[4]	1.05	720	□	□	□	□	□	□	□	□	□	□	□	□
1,250[4]	1.30	800	□	□	□	△	□	□	□	□	□	□	□	□
1,400[4]	1.50	870	△	△	△	△	□	□	□	□	□	□	□	□
1,500[4]	1.65	890	△	△	■	■	□	□	□	□	□	□	□	□
1,600[4]	1.70	950	△	■	■	■	□	□	□	□	□	□	□	□

* Indicated loads are based on ISO 10567 and do not exceed 75 % of tipping or 87 % of hydraulic capacity, max. stick length without quick change adapter, lifted 360° on firm with blocked oscillating axle

[1] comparable with SAE (heaped)

[2] Bucket with teeth [3] Bucket with teeth in HD-version [4] Bucket with cutting lip (also available in HD-version)

Max. material weight □ = ≤ 1.8 t/m³, △ = ≤ 1.5 t/m³, ■ = ≤ 1.2 t/m³, ▲ = not authorized

Lift Capacities

with Hydr. Adjustable Boom 3.90 m

Stick 2.25 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
9.0	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down											7.5* 7.5* 7.5*	7.5* 7.5* 7.5*	3.95
7.5	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down			8.6* 8.6* 8.6*	8.6* 8.6* 8.6*	5.8 6.1* 6.1*	6.1* 6.1* 6.1*					5.7 5.9* 5.9*	5.9* 5.9* 5.9*	6.02
6.0	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down			8.8* 8.8* 8.8*	8.8* 8.8* 8.8*	6.0 8.5* 8.5*	8.1* 8.5* 8.5*					4.3 5.5* 5.5*	5.5* 5.5* 5.5*	7.20
4.5	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	13.8* 13.8* 13.8*	13.8* 13.8* 13.8*	8.9 11.1* 11.1*	11.1* 11.1* 11.1*	5.9 8.9 9.0*	8.0 9.0* 9.0*	4.0 6.3 7.7*	5.6 7.7* 7.7*			3.6 5.3* 5.3*	5.1 5.3* 5.3*	7.90
3.0	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	15.4 18.1* 18.1*	18.1* 18.1* 18.1*	8.6 13.1* 13.1*	11.9 13.1* 13.1*	5.9 8.7 9.8*	7.9 9.8* 9.8*	4.0 6.2 7.7	5.6 8.1* 8.1*			3.3 5.2 5.5*	4.7 5.5* 5.5*	8.27
1.5	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	15.1 18.1* 18.1*	18.1* 18.1* 18.1*	8.5 13.1 14.4*	11.8 14.4* 14.4*	5.9 8.7 10.4*	7.8 10.4* 10.4*	3.9 6.1 7.6	5.5 8.2* 8.2*			3.2 5.1 5.8*	4.5 5.8* 5.8*	8.35
0	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	15.2 21.0* 21.0*	21.0* 21.0* 21.0*	8.4 13.2 14.5*	11.8 14.5* 14.5*	5.6 8.8 10.4	7.8 10.5* 10.5*	3.7 6.0 7.5	5.3 8.2* 8.2*			3.2 5.2 6.5*	4.6 6.5* 6.5*	8.14
-1.5	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	14.7 23.4* 23.4*	23.2 23.4* 23.4*	8.1 13.5 14.6*	11.9 14.6* 14.6*	5.2 8.4 10.6	7.4 10.7* 10.7*	3.6 5.8 7.0*	5.2 7.0* 7.0*			3.5 5.7 6.6*	5.0 6.6* 6.6*	7.62
-3.0	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	14.6 24.0* 24.0*	24.0 24.0* 24.0*	7.7 13.1 14.8*	11.4 14.8* 14.8*	5.0 8.2 9.0*	7.2 9.0* 9.0*					4.2 5.8* 5.8*	5.8* 5.8* 5.8*	6.72
-4.5	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	14.1 16.9* 16.9*	16.9* 16.9* 16.9*									8.3 9.3* 9.3*	9.3* 9.3* 9.3*	4.21

Stick 2.45 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
9.0	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down											6.8* 6.8* 6.8*	6.8* 6.8* 6.8*	4.37
7.5	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down					5.9 6.6* 6.6*	6.6* 6.6* 6.6*					5.4 5.5* 5.5*	5.5* 5.5* 5.5*	6.30
6.0	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down			8.0* 8.0* 8.0*	8.0* 8.0* 8.0*	6.0 8.1* 8.1*	8.1* 8.1* 8.1*					4.1 5.0* 5.0*	5.0* 5.0* 5.0*	7.42
4.5	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	10.3* 10.3* 10.3*	10.3* 10.3* 10.3*	8.9 10.2* 10.2*	10.2* 10.2* 10.2*	5.9 8.8* 8.8*	8.0 8.8* 8.8*	4.1 6.3 7.7*	5.6 7.7* 7.7*			3.5 4.9* 4.9*	4.9 4.9* 4.9*	8.11
3.0	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	15.4 18.4* 18.4*	18.4* 18.4* 18.4*	8.6 12.8* 12.8*	11.9 12.8* 12.8*	5.8 8.7 9.7*	7.9 9.7* 9.7*	4.0 6.3 7.7	5.6 8.0* 8.0*			3.2 5.0* 5.0*	4.5 5.0* 5.0*	8.47
1.5	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	15.0 18.0* 18.0*	18.0* 18.0* 18.0*	8.5 13.1* 14.2*	11.7 14.2* 14.2*	5.8 8.6 10.3*	7.8 10.3* 10.3*	3.9 6.2 7.6	5.5 8.2* 8.2*			3.0 4.9 5.3*	4.3 5.3* 5.3*	8.54
0	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	15.1 20.5* 20.5*	20.5* 20.5* 20.5*	8.5 13.1 14.4*	11.8 14.4* 14.4*	5.6 8.7 10.4	7.8 10.4* 10.4*	3.8 6.0 7.5	5.3 8.2* 8.2*			3.1 5.0 5.9*	4.4 5.9* 5.9*	8.34
-1.5	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	14.7 23.1* 23.1*	23.0 23.1* 23.1*	8.1 13.4 14.5*	11.9 14.5* 14.5*	5.2 8.5 10.5*	7.5 10.6* 10.6*	3.6 5.8 7.3	5.2 7.5* 7.5*			3.4 5.4 6.4*	4.8 6.4* 6.4*	7.84
-3.0	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	14.5 23.8* 23.8*	23.8* 23.8* 23.8*	7.8 13.2 15.0*	11.5 15.0* 15.0*	5.0 8.2 9.6*	7.2 9.6* 9.6*					4.0 5.7* 5.7*	5.7* 5.7* 5.7*	6.96
-4.5	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	14.1 18.9* 18.9*	18.9* 18.9* 18.9*	7.5 9.4* 9.4*	9.4* 9.4* 9.4*							6.8 7.8* 7.8*	7.8* 7.8* 7.8*	4.82

Stick 2.65 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
9.0	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down			6.9* 6.9* 6.9*	6.9* 6.9* 6.9*							6.1* 6.1* 6.1*	6.1* 6.1* 6.1*	4.75
7.5	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down					5.9 6.7* 6.7*	6.7* 6.7* 6.7*					5.0 5.1* 5.1*	5.1* 5.1* 5.1*	6.56
6.0	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down					6.0 7.6* 7.6*	7.6* 7.6* 7.6*	4.1 5.4* 5.4*	5.4* 5.4* 5.4*			3.9 4.7* 4.7*	4.7* 4.7* 4.7*	7.65
4.5	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down			8.9 9.0* 9.0*	9.0* 9.0* 9.0*	5.9 8.6* 8.6*	8.0 8.6* 8.6*	4.1 6.3 7.5*	5.7 7.5* 7.5*			3.3 4.6* 4.6*	4.6* 4.6* 4.6*	8.32
3.0	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	15.4 18.8* 18.8*	18.8* 18.8* 18.8*	8.6* 12.5* 12.5*	11.9 12.5* 12.5*	5.8 8.7 9.5*	7.8 9.5* 9.5*	4.1 6.3 7.6	5.6 7.9* 7.9*			3.0 4.6* 4.6*	4.3 4.6* 4.6*	8.67
1.5	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	15.0 17.9* 17.9*	17.9* 17.9* 17.9*	8.4 13.0 14.1*	11.7 14.1* 14.1*	5.8 8.6 10.2*	7.8 10.2* 10.2*	4.0 6.2 7.6	5.5 8.1* 8.1*			2.9 4.7 4.9*	4.2 4.9* 4.9*	8.74
0	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	15.0 20.1* 20.1*	20.1* 20.1* 20.1*	8.4 13.0 14.3*	11.6 14.3* 14.3*	5.6 8.6 10.3*	7.9 10.4* 10.4*	3.8 6.0 7.5	5.4 8.1* 8.1*			3.0 4.8 5.4*	4.3 5.4* 5.4*	8.54
-1.5	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	14.7 22.9* 22.9*	22.9 22.9* 22.9*	8.1 13.2* 14.5*	11.9 14.5* 14.5*	5.3 8.5 10.4	7.5 10.5* 10.5*	3.6 5.8 7.3	5.2 7.8* 7.8*			3.2 5.2 6.3*	4.6 6.3* 6.3*	8.05
-3.0	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	14.4 23.6* 23.6*	23.6 23.6* 23.6*	7.8 13.2 14.9*	11.6 14.9* 14.9*	5.0 8.2 10.1*	7.2 10.1* 10.1*					3.8 5.6* 5.6*	5.4 5.6* 5.6*	7.20
-4.5	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	14.1 20.6* 20.6*	20.6* 20.6* 20.6*	7.5 10.9* 10.9*	10.9* 10.9* 10.9*							5.8 6.8* 6.8*	6.8* 6.8* 6.8*	5.33

Stick 3.05 m

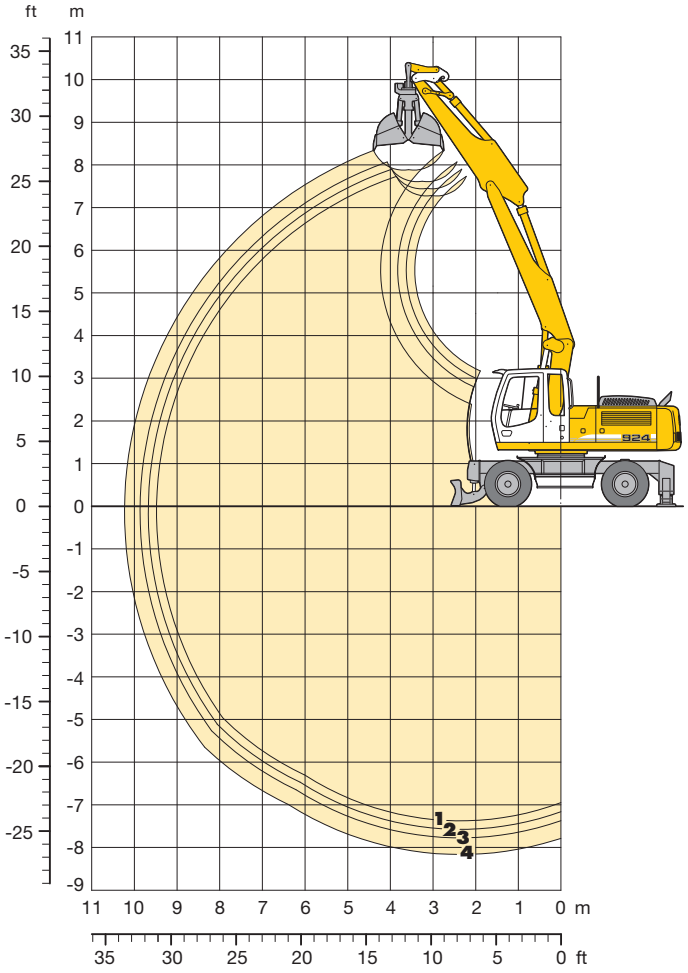
m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
9.0	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down											5.1* 5.1* 5.1*	5.1* 5.1* 5.1*	5.40
7.5	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down					6.0 6.2* 6.2*	6.2* 6.2* 6.2*					4.3* 4.3* 4.3*	4.3* 4.3* 4.3*	7.04
6.0	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down					6.0 6.6* 6.6*	6.6* 6.6* 6.6*	4.2 5.7* 5.7*	5.7* 5.7* 5.7*			3.6 4.0* 4.0*	4.0* 4.0* 4.0*	8.06
4.5	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down			7.3* 7.3* 7.3*	7.3* 7.3* 7.3*	5.9 7.6* 7.6*	7.6* 7.6* 7.6*	4.2 6.4 6.9*	5.7 6.9* 6.9*			3.1 3.9* 3.9*	3.9* 3.9* 3.9*	8.69
3.0	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	15.6 18.4* 18.4*	18.4* 18.4* 18.4*	8.6 11.8* 11.8*	11.8* 11.8* 11.8*	5.8 8.7 9.1*	7.8 9.1* 9.1*	4.2 6.3 7.6	5.7 7.6* 7.6*	2.9 4.2* 4.2*	4.1 4.2* 4.2*	2.8 4.0* 4.0*	4.0* 4.0* 4.0*	9.03
1.5	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	14.9 18.0* 18.0*	18.0* 18.0* 18.0*	8.4 13.0* 13.7*	11.7 13.7* 13.7*	5.7 8.5 10.0*	7.7 10.0* 10.0*	4.0 6.2 7.5*	5.6 8.0* 8.0*	2.8 4.5 4.9*	4.0 4.9* 4.9*	2.7 4.2* 4.2*	3.9 4.2* 4.2*	9.10
0	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	15.0* 19.4* 19.4*	19.4* 19.4* 19.4*	8.4* 12.9 14.3*	11.6 14.3* 14.3*	5.7 8.5* 10.2	7.7 10.3* 10.3*	3.8 6.1 7.5	5.4 8.1* 8.1*			2.8 4.5 4.6*	4.0 4.6* 4.6*	8.90
-1.5	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	14.7 22.2* 22.2*	22.2* 22.2* 22.2*	8.1 13.1 14.3*	11.8 14.3* 14.3*	5.4 8.6 10.3*	7.6 10.4* 10.4*	3.6 5.9 7.3	5.2 8.1* 8.1*			3.0 4.8 5.3*	4.3 5.3* 5.3*	8.44
-3.0	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	14.4 23.4* 23.4*	23.2 23.4* 23.4*	7.9 13.4 14.6*	11.7 14.6* 14.6*	5.0 8.2 10.4	7.2 10.5* 10.5*	3.5 5.7 6.2*	5.1 6.2* 6.2*			3.4 5.6* 5.6*	4.9 5.6* 5.6*	7.63
-4.5	Stabilizers raised 2 pt. down + blade 4 pt. outriggers down	14.1 22.8* 22.8*	22.8* 22.8* 22.8*	7.5 12.8 13.0*	11.2 13.0* 13.0*	4.9 6.3* 6.3*	6.3* 6.3* 6.3*					4.7 5.7* 5.7*	5.7* 5.7* 5.7*	6.14

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

With PowerLift 380 bar the lift capacities on the load hook of the Liebherr quick-change adapter 48 without grab 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. The values apply when the adjusting cylinder is in the optimal position. Indicated loads comply with the ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity, or are limited by the permissible load of the load hook on the quick-change adapter (max. 12 t). Without the quick-change adapter, lift capacities will increase by up to 226 kg.
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.

Clamshell Attachment

with Hydr. Adjustable Boom 4.15 m



Digging Envelope with Quick Change Adapter

		1	2	3	4
Stick length	m	2.25	2.45	2.65	3.05
Max. digging depth	m	7.40	7.60	7.80	8.15
Max. reach at ground level	m	9.50	9.65	9.85	10.20
Max. dumping height	m	7.30	7.45	7.60	7.90

Clamshell Model

	10 B
Max. tooth force	73 kN (7.4 t)
Max. torque of hydr. swivel	1.76 kNm

Operating Weight

The operating weight includes the basic machine with 8 tires plus spacer rings, hydr. adjustable boom 4.15 m, stick 2.45 m, quick change adapter 48 and clamshell model 10 B/1.00 m³ (1,000 mm without ejector).

Undercarriage versions	Weight
A 924 C Plus Litronic® with 2 pt. outr. + stabilizer blade	26,900 kg
A 924 C Plus Litronic® with 4 pt. outriggers	27,300 kg

Clamshell Model 10 B Machine stability per ISO 10567* (75% of tipping capacity)

Width of shells	Capacity	Weight	Stabilizers raised				2 pt. outriggers down + Stabilizer blade				4 pt. outriggers down			
			Stick length (m)				Stick length (m)				Stick length (m)			
mm	m³	kg	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05
320[1]	0.17	770	□	□	□	□	□	□	□	□	□	□	□	□
400[1]	0.22	820	□	□	□	□	□	□	□	□	□	□	□	□
600[1]	0.35	860	□	□	□	□	□	□	□	□	□	□	□	□
800[1]	0.45	910	□	□	□	□	□	□	□	□	□	□	□	□
1,000[1]	0.60	970	□	□	□	□	□	□	□	□	□	□	□	□
1,000[1]	1.00	1,040	□	□	□	□	□	□	□	□	□	□	□	□
1,500[1]	1.50	1,160	△	■	■	■	□	□	□	□	□	□	□	□
1,800[1]	1.80	1,280	■	▲	▲	▲	□	□	□	△	□	□	□	△
320[2]	0.17	820	□	□	□	□	□	□	□	□	□	□	□	□
400[2]	0.22	880	□	□	□	□	□	□	□	□	□	□	□	□
600[2]	0.35	950	□	□	□	□	□	□	□	□	□	□	□	□
800[2]	0.45	1,010	□	□	□	□	□	□	□	□	□	□	□	□

* Indicated loads are based on ISO 10567 and do not exceed 75 % of tipping or 87 % of hydraulic capacity, max. stick length without quick change adapter, lifted 360° on firm with blocked oscillating axle

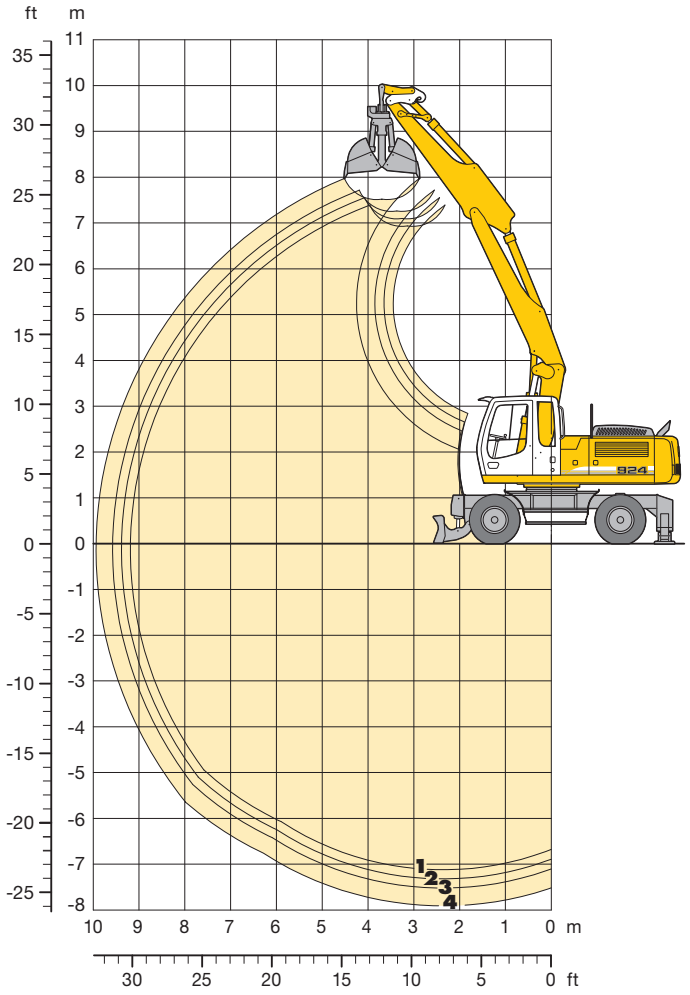
[1] without ejector

[2] with ejector

□ = ≤ 1.8 t/m³ max. material weight
△ = ≤ 1.5 t/m³ max. material weight
■ = ≤ 1.2 t/m³ max. material weight
▲ = not authorized

Clamshell Attachment

with Hydr. Adjustable Boom 3.90 m



Digging Envelope with Quick Change Adapter

		1	2	3	4
Stick length	m	2.25	2.45	2.65	3.05
Max. digging depth	m	7.10	7.30	7.50	7.90
Max. reach at ground level	m	9.20	9.40	9.60	9.95
Max. dumping height	m	6.95	7.10	7.25	7.50

Clamshell Model

	10 B
Max. tooth force	73 kN (7.4 t)
Max. torque of hydr. swivel	1.76 kNm

Operating Weight

The operating weight includes the basic machine with 8 tires plus spacer rings, hydr. adjustable boom 3.90 m, stick 2.45 m, quick change adapter 48 and clamshell model 10 B/1.00 m³ (1,000 mm without ejector).

Undercarriage versions	Weight
A 924 C Plus Litronic with 2 pt. outr. + stabilizer blade	26,800 kg
A 924 C Plus Litronic with 4 pt. outriggers	27,200 kg

Clamshell Model 10 B Machine stability per ISO 10567* (75% of tipping capacity)

Width of shells	Capacity	Weight	Stabilizers raised				2 pt. outriggers down + Stabilizer blade				4 pt. outriggers down			
			Stick length (m)				Stick length (m)				Stick length (m)			
mm	m³	kg	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05
320[1]	0.17	770	□	□	□	□	□	□	□	□	□	□	□	□
400[1]	0.22	820	□	□	□	□	□	□	□	□	□	□	□	□
600[1]	0.35	860	□	□	□	□	□	□	□	□	□	□	□	□
800[1]	0.45	910	□	□	□	□	□	□	□	□	□	□	□	□
1,000[1]	0.60	970	□	□	□	□	□	□	□	□	□	□	□	□
1,000[1]	1.00	1,040	□	□	□	□	□	□	□	□	□	□	□	□
1,500[1]	1.50	1,160	△	△	■	■	□	□	□	□	□	□	□	□
1,800[1]	1.80	1,280	■	■	▲	▲	□	□	□	△	□	□	□	△
320[2]	0.17	820	□	□	□	□	□	□	□	□	□	□	□	□
400[2]	0.22	880	□	□	□	□	□	□	□	□	□	□	□	□
600[2]	0.35	950	□	□	□	□	□	□	□	□	□	□	□	□
800[2]	0.45	1,010	□	□	□	□	□	□	□	□	□	□	□	□

* Indicated loads are based on ISO 10567 and do not exceed 75 % of tipping or 87 % of hydraulic capacity, max. stick length without quick change adapter, lifted 360° on firm with blocked oscillating axle

[1] without ejector

[2] with ejector

□ = ≤ 1.8 t/m³ max. material weight

△ = ≤ 1.5 t/m³ max. material weight

■ = ≤ 1.2 t/m³ max. material weight

▲ = not authorized

Attachments

Ditchcleaning Buckets/Tilting Buckets

Ditchcleaning Buckets Machine stability per ISO 10567* (75% of tipping capacity)

Schnittbreite	Inhalt nach ISO 7451[1]	Gewicht	Stabilizers raised				2 pt. outriggers down + Stabilizer blade				4 pt. outriggers down			
			Stick length (m)				Stick length (m)				Stick length (m)			
mm	m³	kg	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05
Hydr. Adjustable Boom 4.15 m														
1.500[3]	0,50	430	□	□	□	□	□	□	□	□	□	□	□	□
1.600[2]	0,80	850	□	□	□	□	□	□	□	□	□	□	□	□
2.000[2]	0,50	690	□	□	□	□	□	□	□	□	□	□	□	□
2.000[3]	0,70	520	□	□	□	□	□	□	□	□	□	□	□	□
2.000[2]	0,70	880	□	□	□	□	□	□	□	□	□	□	□	□
2.000[3]	1,20	640	□	□	□	□	□	□	□	□	□	□	□	□
2.000[2]	1,00	940	□	□	□	□	□	□	□	□	□	□	□	□
2.200[2]	0,80	880	□	□	□	□	□	□	□	□	□	□	□	□
2.200[2]	1,15	980	□	□	□	△	□	□	□	□	□	□	□	□
2.200[2]	1,40	1.000	△	△	△	■	□	□	□	□	□	□	□	□
2.400[2]	0,85	890	□	□	□	□	□	□	□	□	□	□	□	□
2.400[3]	0,85	610	□	□	□	□	□	□	□	□	□	□	□	□
2.400[2]	1,25	1.000	□	□	△	△	□	□	□	□	□	□	□	□
Hydr. Adjustable Boom 3.90 m														
1.500[3]	0,50	430	□	□	□	□	□	□	□	□	□	□	□	□
1.600[2]	0,80	850	□	□	□	□	□	□	□	□	□	□	□	□
2.000[2]	0,50	690	□	□	□	□	□	□	□	□	□	□	□	□
2.000[3]	0,70	520	□	□	□	□	□	□	□	□	□	□	□	□
2.000[2]	0,70	880	□	□	□	□	□	□	□	□	□	□	□	□
2.000[3]	1,20	640	□	□	□	□	□	□	□	□	□	□	□	□
2.000[2]	1,00	940	□	□	□	□	□	□	□	□	□	□	□	□
2.200[2]	0,80	880	□	□	□	□	□	□	□	□	□	□	□	□
2.200[2]	1,15	980	□	□	□	□	□	□	□	□	□	□	□	□
2.200[2]	1,40	1.000	□	△	△	△	□	□	□	□	□	□	□	□
2.400[2]	0,85	890	□	□	□	□	□	□	□	□	□	□	□	□
2.400[3]	0,85	610	□	□	□	□	□	□	□	□	□	□	□	□
2.400[2]	1,25	1.000	□	□	□	△	□	□	□	□	□	□	□	□

Tilting Buckets Machine stability per ISO 10567* (75% of tipping capacity)

Schnittbreite	Inhalt nach ISO 7451[1]	Gewicht	Stabilizers raised				2 pt. outriggers down + Stabilizer blade				4 pt. outriggers down			
			Stick length (m)				Stick length (m)				Stick length (m)			
mm	m³	kg	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05
Hydr. Adjustable Boom 4.15 m														
1.500[2]	1,20	970	□	□	□	△	□	□	□	□	□	□	□	□
1.600[2]	0,80	820	□	□	□	□	□	□	□	□	□	□	□	□
1.600[2]	1,00	890	□	□	□	□	□	□	□	□	□	□	□	□
1.600[2]	1,35	970	△	△	△	■	□	□	□	□	□	□	□	□
1.600[2]	1,55	1.030	△	■	■	■	□	□	□	□	□	□	□	□
Hydr. Adjustable Boom 3.90 m														
1.500[2]	1,20	970	□	□	□	□	□	□	□	□	□	□	□	□
1.600[2]	0,80	820	□	□	□	□	□	□	□	□	□	□	□	□
1.600[2]	1,00	890	□	□	□	□	□	□	□	□	□	□	□	□
1.600[2]	1,35	970	□	□	△	△	□	□	□	□	□	□	□	□
1.600[2]	1,55	1.030	△	△	△	■	□	□	□	□	□	□	□	□

* Indicated loads are based on ISO 10567 and do not exceed 75 % of tipping or 87 % of hydraulic capacity, max. stick length without quick change adapter, lifted 360° on firm with blocked oscillating axle

[1] comparable with SAE (heaped)

[2] with 2 x 50° rotator

[3] rigid ditchcleaning bucket

□ = ≤ 1.8 t/m³ max. material weight
△ = ≤ 1.5 t/m³ max. material weight
■ = ≤ 1.2 t/m³ max. material weight
▲ = not authorized

Equipment

Undercarriage

Support individually controllable	+
Add-on axle (for road traffic licencing regulations in Germany)	+
2-circuit brake system	•
Tires Mitas EM 22	•
Wide gauge 2.75 m	•
Travel speed levels (four)	•
Piston rod protection support cylinders	+
Powershift transmission	•
Parking brake, maintenance-free	•
Oscillating axle lock, automatic	•
Tire variants	+
Pipe fracture safety on support cylinders	•
Custom paintwork undercarriage	+
Speeder*	+
Tool box on both sides, lockable	•
Central lubrication undercarriage	+

Uppercarriage

Refueling pump, electrical	+
Main battery switch for electrical system	•
Engine hood with gas spring	•
Uppercarriage doors, lockable	•
Uppercarriage lock electro-hydraulically activated from the cab	•
Beacon on engine hood	+
Custom paintwork uppercarriage	+
Power socket 12 V, 20 A	+
Central lubricating system, automatic	+
Central lubricating system, semi-automatic	•

Hydraulics

Stop cock between hydraulic tank and pump(s)	•
Pressure test fittings	•
Accumulator for controlled lowering of the attachment with the engine shut down	•
Hydraulic oil from –20 °C to +40 °C	•
Hydraulic oil filter with integrated microfilter	•
Hydraulic oil pre-heating	+
Liebherr hydraulic oil, biologically degradable	+
Liebherr hydraulic oil, specially for warm and cold regions	+
Mowing bucket and mulcher operation	+
Bypass filter	+
PowerLift (pressure increase for boom cylinders) 380 bar	•
Change-over for controls (hammer/shear operation via pedals or joystick)	+

Engine

Fuel theft protection	+
Fuel preheating	+
Coolant preheating 230 V	+
Liebherr particle filter	+
Fan drive, reversible	+
Air pre-cleaner	+

Operator's Cab

Hourmeter, readable from the outside	•
Roof window	•
Travel alarm	+
Fire extinguisher	+
Bottle holder	•
FOPS cab protection system	+
Slide-in front window	•
Floor mat removable	•
Display, large, for all indicating, monitoring and warning functions	•
Coat hook	•
Automatic climate control	•
Consoles and seat adjustable separately or in combination	•
Cooler, electrical	+
Steering column adjustable horizontally	•
LIDAT***	+
Liebherr proportional controls	+
Automatic engine shut-down (time adjustable)	+
Bullet proof glass (front and top)	+
Radio system	+
Smokers package	•
Rear view camera**	•
Back-up alarm	+
Beacon	+
Tainted glass	•
Windshield washer	•
Rear wiper	+
Wiper lower front window	+
Sliding window in the door	•
Sun roller blind	•
Auxiliary heater with timer	+
Immobilizer electronic (key code)	+
Xenon headlights (front resp. rear)	+
Auxiliary headlights (front resp. rear)	+

Attachment

Main boom, adjustable in height	+
Function hammer/shear operation incl. tubing	+
Grapple sticks	+
Hoist limitation, electronic	•
Piston rod protection bucket cylinder	+
Load hook on stick	+
Shackle on stick	+
Leak oil line, additional for attaching tools	+
Liebherr ditchcleaning bucket program	+
Liebherr pipe laying device	+
Liebherr quick change adapter, hydraulic or mechanical	+
Liebherr tilting bucket program	+
Liebherr swivel rotator program	+
Liebherr sorting grapple program	+
Liebherr backhoe bucket program	+
Liebherr tooth system	+
Liebherr clamshell grapple program	+
LIKUFIX, coupling hydraulic tools from the cab	+
Pipe fracture safety boom cylinders	•
Pipe fracture safety stick resp. bucket cylinder	+
Hose quick coupling at end of stick	•
Custom painting for tools	+
Tool-Control, 10 tool adjustments selectable over the display	+
Tool-Management, fully automatic tool recognition	+
Overload warning device	•
Bottom chord protection for stick	+
Central lubricating system, expanded for connecting link	+

• = Standard, + = Option
* = not available in all countries, ** = country-dependent, *** = starting mid 2010

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.

All illustrations and data may differ from standard equipment. Subject to change without notice.

The Liebherr Group of Companies

Wide product range

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

Exceptional customer benefit

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

State-of-the-art technology

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

Worldwide and independent

Hans Liebherr founded the Liebherr family company in 1949. Since that time, the enterprise has steadily grown to a group of more than 100 companies with over 32,000 employees located on all continents. The corporate headquarters of the Group is Liebherr-International AG in Bulle, Switzerland. The Liebherr family is the sole owner of the company.

www.liebherr.com

Printed in Germany by DWS RG-BK-RP LHB/VF 11003824-2-04.10_enGB

Liebherr-Hydraulikbagger GmbH
Liebherrstraße 12, D-88457 Kirchdorf/Iller
☎ +49 7354 80-0, Fax +49 7354 80-72 94
www.liebherr.com, E-Mail: info.lhb@liebherr.com