Wheeled Excavator

	A 900 C Litronic®	A 904 C Litronic®
Operating Weight:	18,500 - 19,000 kg	20,400 - 20,600 kg
Engine Output:	95 kW / 129 HP	105 kW / 143 HP
Bucket Capacity:	0.32 - 1.05 m³	0.55 - 1.20 m³

LIEBHERR

A 900 C Litronic®

Operating Weight: 18,500 - 19,000 kg
Engine Output: 95 kW / 129 HP
Bucket Capacity: 0.32 - 1.05 m³

A 904 C Litronic®

Operating Weight: 20,400 - 20,600 kg
Engine Output: 105 kW / 143 HP
Bucket Capacity: 0.55 - 1.20 m³

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.

Performance

Liebherr wheel 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.

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.

Economy

The Liebherr-Litronic-System increases machine performance, reduces fuel consumption and minimises service and maintenance costs.

Lubrication system

- The semi-automatic central lubrication system fitted as standard saves on time-consuming greasing.
- Lubricating without interrupting work for higher productivity.

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 Liebherr hydraulic excavators have been designed for extremely long life-expectancy.

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 pre-defined 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.

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

Liebherr diesel engine

- Long life-expectancy, expansive cylinder capacity and increased weight .
- According to level IIIA / Tier 3.
- Specially designed for construction machinery operation.
- Oil supply even with extremetilt angle of 45°.

Performance

Liebherr wheel excavators have been designed for maximum productivity. 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. Tremendous digging and breakout forces, extensive lifting capacities and quick working and travel movements are thus resulted.

Innovative solutions

Intelligent undercarriage

The drive unit on the A 900C has been fully integrated in the sturdy undercarriage. Intelligently built and robust in service, the undercarriage offers the travel drive unit the best possible protection from debris, stones and soil. Its advantages are perfect all-terrain compatibility and extremely high ground clearance.

Multitude of attachments

Liebherr provide an individual, application-related range of diverse attachments. Angled and straight mono boom combinable with different stick length.

Extensive lifting capacities

Lifting heavy loads is one of the everyday requirements of wheeled 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. Separate hoist cylinder bearing points at the upper end of the basic boom also increase the lifting capacities considerably.

High productivity

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.

Performance without compromise

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

Rugged undercarriage

- Various undercarriage designs featuring welded, durable outriggers allow safe positioning, optimum stability, and long life-expectancy of the machine for every application.
- Prop-up blade / dozing blade in box-type design – only two bearing points for high torsional resistance.
- Optional piston rod guard for plate and claw support.

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. 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.

Pleasant surroundings

The low engine speed and extensive silencing system and enhanced hydraulic components supply a pleasant noise level inside the cab.

Maintenance features

Easy maintenance

Semi-Automatical Central lubrication for swing gear and main parts of the attachment.

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.

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.

Economy

Liebherr wheeled excavators are machines that combine high productivity with excellent levels of economy - and all this comes as standard from the factory. 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

Solid 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 in 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

Service

A fast response when service is required minimises downtime and ensures that schedules can be met. This is made possible by a high spare part availability. Service engineers trained by Liebherr carry out service and maintenance work on the spot, quickly and in accordance with the manufacturer's specifications.

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.

Service-orientated

- Service points of the engine – such as filter or filling amount displays are easily accessible and can be easily reached from the maintenance platform.
- The magnetic rod on the hydraulic oil return flow increases life-expectancy of the oil.
- semi-Automatical Central lubrication for swing gear and main parts of the attachment allowing quicker maintenance.

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.

Technical Data

Engine

Rating per ISO 9249
- A 900 C Litronic — 95 kW (129 HP) at 1,800 RPM
- A 904 C Litronic — 105 kW (143 HP) at 1,800 RPM

Model — Liebherr D 934 S according to stage IIIA/Tier 3
Type — 4 cylinder in-line
- Bore/Stroke — 122/136 mm
- Displacement — 6.4 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
- A 900 C Litronic — 290 l
- A 904 C Litronic — 350 l

Engine idling — sensor controlled
Electrical system
- Voltage — 24 V
- Batteries — 2 x 110 Ah/12 V
- Alternator — three phase current 28 V/80 A

Hydraulic System

Hydraulic pump
- A 900 C Litronic — Liebherr, variable displacement, swashplate pump
- Max. flow — 300 l/min.
- A 904 C Litronic — Liebherr, variable displacement, swashplate double pump
- Max. flow — 2 x 189 l/min.
- Max. hydr. pressure — 350 bar

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 — 175 l
Hydraulic system capacity
- A 900 C Litronic — max. 290 l
- A 904 C Litronic — max. 320 l

Filtration — 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

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

Swing Drive

Drive — Liebherr 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 – 9.0 RPM
Swing torque
- A 900 C Litronic — 42 kNm
- A 904 C Litronic — 46 kNm

Holding brake — wet discs (spring applied – pressure released)

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) — = 72 dB(A) A 900 C Litronic
  = 73 dB(A) A 904 C Litronic

2000/14/EC
- L_{WA} (surround noise) — = 99 dB(A) A 900 C Litronic
  = 100 dB(A) A 904 C Litronic

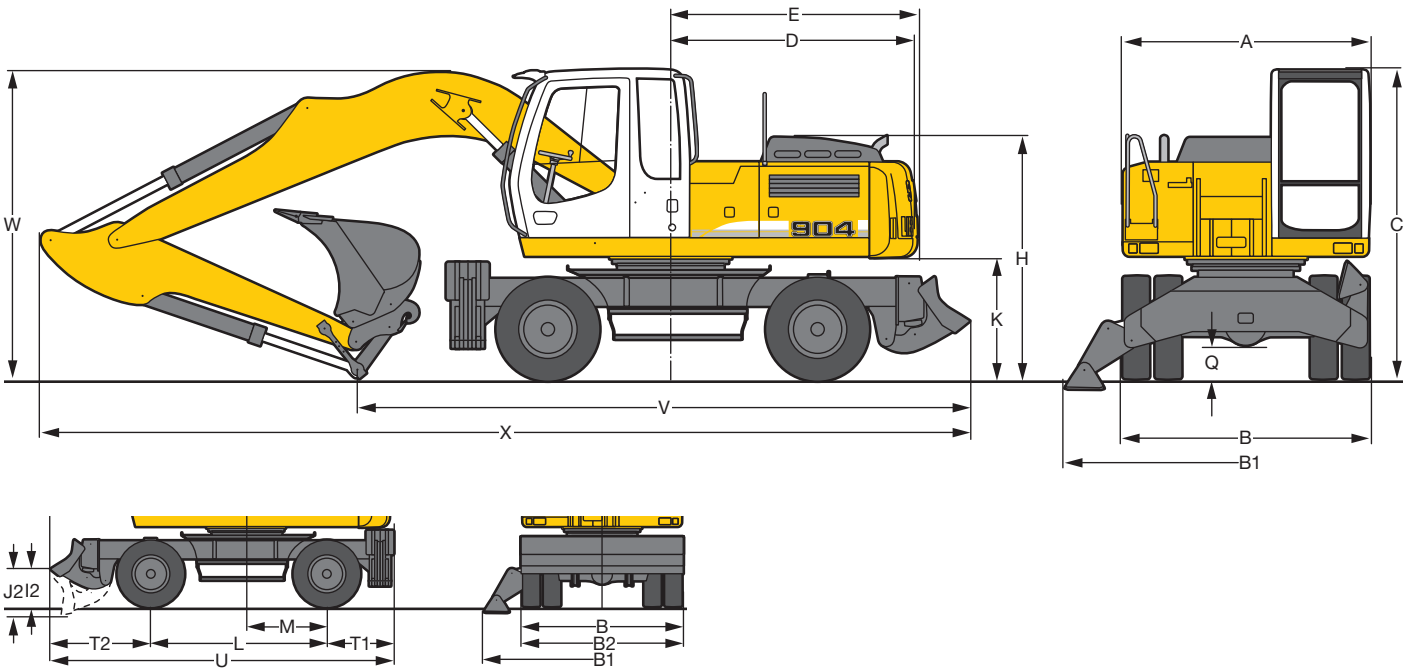
Undercarriage

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 – 30.0 km/h Speeder
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 (adjustable during travel for dozing)
2 pt. outriggers rear and stabilizing blade front

Attachment

Hydraulic cylinders — Liebherr cylinders with special seal system. Shock absorption
Pivots — sealed, low maintenance

Dimensions



	A 900 C Litronic	mm	A 904 C Litronic	mm
A		2,550		2,550
B		2,550		2,550
B1		3,692		3,695
B2		2,550		2,550
C		3,157		3,160
D		2,260		2,471
E		2,330		2,514
H		2,465		2,468
I2		380		458
J2		584		589
K		1,233		1,236
L		2,540		2,750
M		1,100		1,250
Q		358		344
T1		1,047		1,190
T2		1,153		1,409
U		4,740		5,349

E = Tail radius
Tires 10.00-20

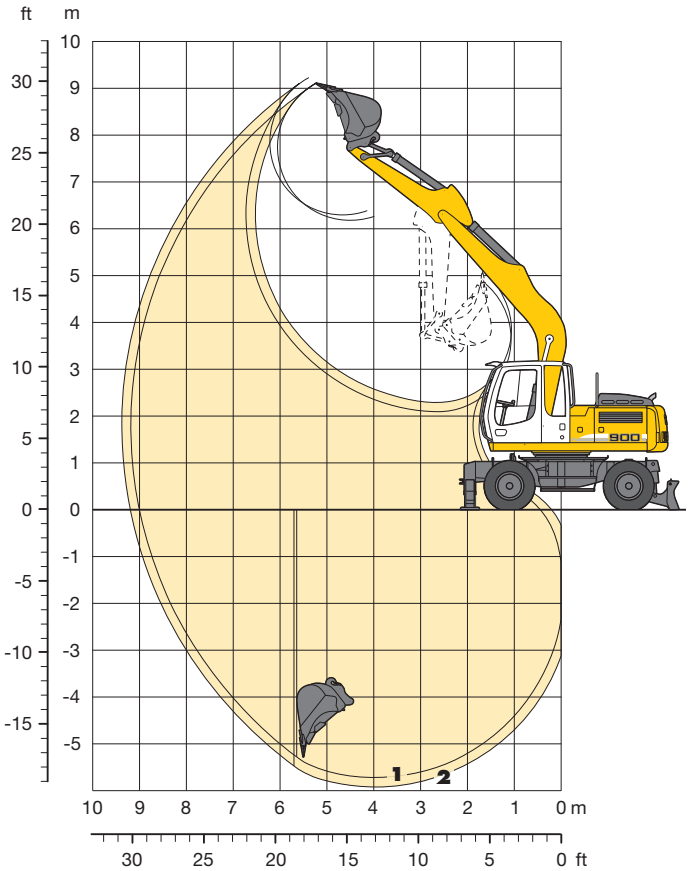
A 900 C Litronic	Stick	Mono Boom 5.00 m blade + 2 pt outr.	Straight Mono Boom 5.50 m blade + 2 pt outr.
	m	mm	mm
V	2.45	5,400	6,200
	2.65	5,650*	6,100
W	2.45	3,100	2,950
	2.65	3,150*	3,050
X	2.45	8,400	8,900
	2.65	8,750*	8,900

A 904 C Litronic	Stick	Mono Boom 5.30 m blade + 2 pt outr.	Straight Mono Boom 5.50 m blade + 2 pt outr.
	m	mm	mm
V	2.45	6,400	6,150
	2.65	6,250*	6,650*
W	2.45	3,200	3,050
	2.65	3,250*	3,150*
X	2.45	9,600	9,200
	2.65	9,600*	9,700*

Dimensions are with attachment over steering axle
* Attachment over digging axle for shorter transport dimensions

Backhoe Bucket A 900 C Litronic®

with Mono Boom 5.00 m



Digging Envelope with Quick Coupler

		1	2
Stick length	m	2.45	2.65
Max. digging depth	m	5.70	5.90
Max. reach at ground level	m	9.00	9.20
Max. dumping height	m	6.25	6.40
Max. teeth height	m	9.10	9.25
Min. attachment radius	m	3.05	3.05

Digging Forces without Quick Coupler

		1	2
Max. digging force (ISO 6015)	kN	76.0	71.6
	t	7.7	7.3
Max. breakout force (ISO 6015)	kN	98.4	98.4
	t	10.0	10.0
Max. breakout force with ripper bucket		125.7 kN (12.8 t)	
Max. possible digging force (stick 1.70 m)		99.4 kN (10.1 t)	

Operating Weight

The operating weight includes the basic machine with 8 tires plus intermediate rings, mono boom 5.00 m, stick 2.45 m, quick coupler 48 and bucket 1,050 mm/0.80 m³.

Undercarriage versions	Weight
A 900 C Litronic with stabilizer blade + 2 pt. outriggers	18,500 kg

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

Cutting width	Capacity ISO 7451 [1]	Weight	Stabilizers raised		Stabilizer blade + 2 pt. outr. down	
			Stick length (m)		Stick length (m)	
mm	m³	kg	2.45	2.65	2.45	2.65
500[2]	0.32	290	□	□	□	□
650[2]	0.45	400	□	□	□	□
850[2]	0.60	430	□	□	□	□
1,050[2]	0.80	510	□	△	□	□
1,250[2]	0.95	560	△	■	□	□
500[3]	0.32	330	□	□	□	□
650[3]	0.45	440	□	□	□	□
850[3]	0.60	480	□	□	□	□
1,050[3]	0.80	570	□	△	□	□
1,250[3]	0.95	630	■	■	□	□
500[4]	0.34	280	□	□	□	□
650[4]	0.45	380	□	□	□	□
850[4]	0.65	410	□	□	□	□
1,050[4]	0.85	490	△	△	□	□
1,250[4]	1.05	530	■	■	□	□

* Indicated loads are based on ISO 10567 and do not exceed 75 % of tipping or 87 % of hydraulic capacity, max. stick length without quick coupler, 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 edge (also available in HD-version)

Buckets with 500 mm cutting width with limited digging depth

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

Lift Capacities A 900 C Litronic®

with Mono Boom 5.00 m

Stick 2.45 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m				m
9.0	Stabilizers raised Blade + 2 pt. down											
7.5	Stabilizers raised Blade + 2 pt. down									2.1* 2.1*	2.1* 2.1*	5.2
6.0	Stabilizers raised Blade + 2 pt. down					2.8 3.2*	3.2* 3.2*			1.8* 1.8*	1.8* 1.8*	6.6
4.5	Stabilizers raised Blade + 2 pt. down					2.7 4.0*	4.0* 4.0*			1.8* 1.8*	1.8* 1.8*	7.3
3.0	Stabilizers raised Blade + 2 pt. down	7.2 8.8*	8.8* 8.8*	3.9 5.7*	5.7* 5.7*	2.5 4.4	4.1 4.6*	1.7 2.9*	2.9 2.9*	1.6 1.8*	1.8* 1.8*	7.8
1.5	Stabilizers raised Blade + 2 pt. down	5.2* 5.2*	5.2* 5.2*	3.5 6.5	6.1 7.2*	2.3 4.2	3.9 5.3*	1.7 3.0	2.8 3.7*	1.5 2.0*	2.0* 2.0*	7.9
0	Stabilizers raised Blade + 2 pt. down	5.9 5.9*	5.9* 5.9*	3.3 6.2	5.8 8.1*	2.2 4.0	3.8 5.8*	1.6 2.9	2.8 3.3*	1.6 2.3*	2.3* 2.3*	7.7
-1.5	Stabilizers raised Blade + 2 pt. down	5.9 8.6*	8.6* 8.6*	3.2 6.1	5.8 8.3*	2.2 4.0	3.8 5.9*			1.7 2.9*	2.9* 2.9*	7.1
-3.0	Stabilizers raised Blade + 2 pt. down	6.1 11.2*	11.2* 11.2*	3.3 6.2	5.8 7.5*	2.2 4.1	3.8 5.3*			2.2 3.9	3.7 4.3*	6.1
-4.5	Stabilizers raised Blade + 2 pt. down									3.6 5.3*	5.3* 5.3*	4.5

Stick 2.65 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m				m
9.0	Stabilizers raised Blade + 2 pt. down											
7.5	Stabilizers raised Blade + 2 pt. down									1.9* 1.9*	1.9* 1.9*	5.5
6.0	Stabilizers raised Blade + 2 pt. down					2.8 3.2*	3.2* 3.2*			1.7* 1.7*	1.7* 1.7*	6.8
4.5	Stabilizers raised Blade + 2 pt. down					2.7 3.8*	3.8* 3.8*	1.8 1.8*	1.8* 1.8*	1.6* 1.6*	1.6* 1.6*	7.6
3.0	Stabilizers raised Blade + 2 pt. down	7.3 8.1*	8.1* 8.1*	3.9 5.4*	5.4* 5.4*	2.5 4.4	4.1 4.5*	1.7 3.1	2.9 3.2*	1.5 1.7*	1.7* 1.7*	8.0
1.5	Stabilizers raised Blade + 2 pt. down	6.0* 6.0*	6.0* 6.0*	3.5 6.5	6.1 7.0*	2.3 4.2	3.9 5.2*	1.6 3.0	2.8 4.0*	1.5 1.8*	1.8* 1.8*	8.1
0	Stabilizers raised Blade + 2 pt. down	5.9 6.0*	6.0* 6.0*	3.3 6.2	5.8 8.0*	2.2 4.0	3.8 5.8*	1.6 2.9	2.7 3.9*	1.5 2.0*	2.0* 2.0*	7.8
-1.5	Stabilizers raised Blade + 2 pt. down	5.9 8.3*	8.3* 8.3*	3.2 6.1	5.7 8.2*	2.1 4.0	3.7 5.9*			1.6 2.5*	2.5* 2.5*	7.3
-3.0	Stabilizers raised Blade + 2 pt. down	6.0 11.5*	11.5* 11.5*	3.2 6.1	5.8 7.7*	2.2 4.0	3.8 5.4*			2.0 3.7*	3.5 3.7*	6.4
-4.5	Stabilizers raised Blade + 2 pt. down	6.3 8.6*	8.6* 8.6*	3.5 5.7*	5.7* 5.7*					3.2 5.1*	5.1* 5.1*	4.8

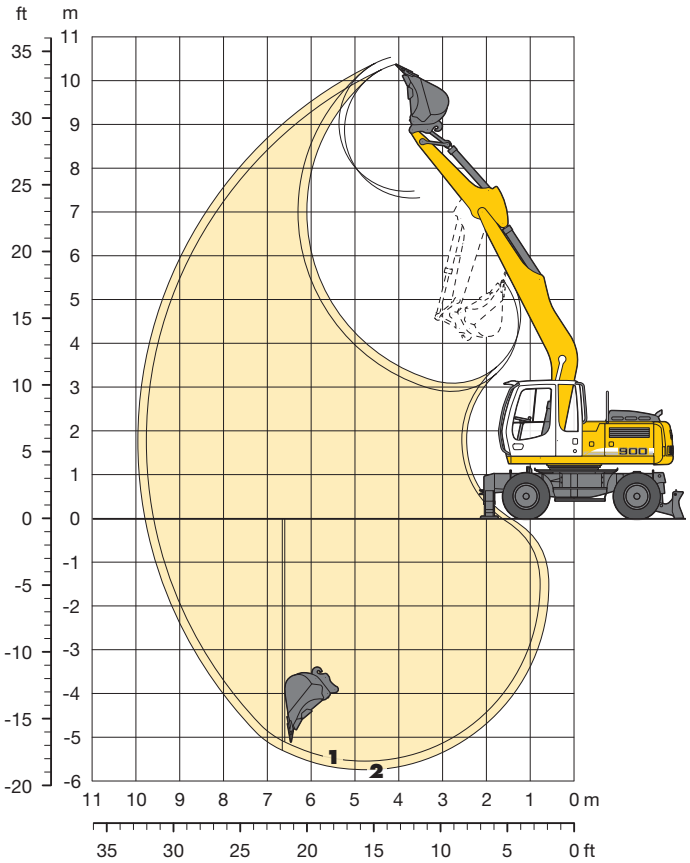
Height **Can be slewed through 360°** **In longitudinal position of undercarriage** **Max. reach** *** Limited by hydr. capacity**

The lift capacities on the load hook of the Liebherr quick coupler 48 without working tool are stated in metric tons (t) and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (+/– 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads 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 coupler (max. 12 t). Without the quick coupler, 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 Bucket A 900 C Litronic®

with Straight Mono Boom 5.50 m



Digging Envelope with Quick Coupler

		1	2
Stick length	m	2.45	2.65
Max. digging depth	m	5.55	5.75
Max. reach at ground level	m	9.60	9.80
Max. dumping height	m	7.30	7.45
Max. teeth height	m	10.35	10.55
Min. attachment radius	m	3.20	3.25

Digging Forces without Quick Coupler

		1	2
Max. digging force (ISO 6015)	kN	76.0	71.6
	t	7.7	7.3
Max. breakout force (ISO 6015)	kN	98.4	98.4
	t	10.0	10.0
Max. breakout force with ripper bucket		125.7 kN (12.8 t)	
Max. possible digging force (stick 1.70 m)		99.4 kN (10.1 t)	

Operating Weight

The operating weight includes the basic machine with 8 tires plus intermediate rings, straight mono boom 5.50 m, stick 2.45 m, quick coupler 48 and bucket 1,050 mm/0.80 m³.

Undercarriage versions	Weight
A 900 C Litronic with stabilizer blade + 2 pt. outriggers	18,600 kg

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

Cutting width	Capacity ISO 7451 [1]	Weight	Stabilizers raised		Stabilizer blade + 2 pt. outr. down	
			Stick length (m)		Stick length (m)	
mm	m³	kg	2.45	2.65	2.45	2.65
500[2]	0.32	290	□	□	□	□
650[2]	0.45	400	□	□	□	□
850[2]	0.60	430	□	□	□	□
1,050[2]	0.80	510	■	■	□	□
1,250[2]	0.95	560	▲	▲	□	□
500[3]	0.32	330	□	□	□	□
650[3]	0.45	440	□	□	□	□
850[3]	0.60	480	□	□	□	□
1,050[3]	0.80	570	■	■	□	□
1,250[3]	0.95	630	▲	▲	□	□
500[4]	0.34	280	□	□	□	□
650[4]	0.45	380	□	□	□	□
850[4]	0.65	410	□	△	□	□
1,050[4]	0.85	490	■	■	□	□
1,250[4]	1.05	530	▲	▲	□	△

* Indicated loads are based on ISO 10567 and do not exceed 75 % of tipping or 87 % of hydraulic capacity, max. stick length without quick coupler, 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 edge (also available in HD-version)

Buckets with 500 mm cutting width with limited digging depth

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

Lift Capacities A 900 C Litronic®

with Straight Mono Boom 5.50 m

Stick 2.45 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m				m
9.0	Stabilizers raised Blade + 2 pt. down											
7.5	Stabilizers raised Blade + 2 pt. down					2.4* 2.4*	2.4* 2.4*			2.0* 2.0*	2.0* 2.0*	6.1
6.0	Stabilizers raised Blade + 2 pt. down					2.8 4.1*	4.1* 4.1*			1.8* 1.8*	1.8* 1.8*	7.3
4.5	Stabilizers raised Blade + 2 pt. down			4.2 5.3*	5.3* 5.3*	2.6 4.5*	4.3 4.5*	1.8 3.1	2.9 3.4*	1.6 1.8*	1.8* 1.8*	8.0
3.0	Stabilizers raised Blade + 2 pt. down			3.7 6.7*	6.4 6.7*	2.4 4.3	4.1 5.1*	1.7 3.0	2.9 4.3*	1.4 1.8*	1.8* 1.8*	8.4
1.5	Stabilizers raised Blade + 2 pt. down			3.3 6.2	5.9 7.8*	2.2 4.1	3.8 5.6*	1.6 2.9	2.8 4.5*	1.3 1.9*	1.9* 1.9*	8.5
0	Stabilizers raised Blade + 2 pt. down			3.1 6.0	5.7 8.2*	2.1 3.9	3.7 5.9*	1.5 2.9	2.7 4.6*	1.3 2.2*	2.2* 2.2*	8.3
-1.5	Stabilizers raised Blade + 2 pt. down	5.7 6.1*	6.1* 6.1*	3.1 6.0	5.6 7.8*	2.1 3.9	3.6 5.7*	1.5 2.8	2.7 4.3*	1.4 2.6*	2.5 2.6*	7.8
-3.0	Stabilizers raised Blade + 2 pt. down	5.9 9.3*	9.3* 9.3*	3.1 6.0	5.7 6.8*	2.1 3.9	3.7 4.9*			1.7 3.2	3.0 3.4*	6.9
-4.5	Stabilizers raised Blade + 2 pt. down											

Stick 2.65 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m				m
9.0	Stabilizers raised Blade + 2 pt. down									2.4* 2.4*	2.4* 2.4*	4.4
7.5	Stabilizers raised Blade + 2 pt. down					2.8* 2.8*	2.8* 2.8*			1.9* 1.9*	1.9* 1.9*	6.4
6.0	Stabilizers raised Blade + 2 pt. down					2.8 3.8*	3.8* 3.8*	1.7* 1.7*	1.7* 1.7*	1.7* 1.7*	1.7* 1.7*	7.5
4.5	Stabilizers raised Blade + 2 pt. down			4.2 5.1*	5.1* 5.1*	2.6 4.3*	4.3 4.3*	1.8 3.1	3.0 3.5*	1.5 1.6*	1.6* 1.6*	8.2
3.0	Stabilizers raised Blade + 2 pt. down			3.8 6.4*	6.4 6.4*	2.4 4.3	4.1 4.9*	1.7 3.0	2.9 4.2*	1.3 1.6*	1.6* 1.6*	8.6
1.5	Stabilizers raised Blade + 2 pt. down			3.3 6.3	5.9 7.6*	2.2 4.1	3.8 5.5*	1.6 2.9	2.7 4.4*	1.2 1.7*	1.7* 1.7*	8.7
0	Stabilizers raised Blade + 2 pt. down	3.5* 3.5*	3.5* 3.5*	3.1 6.0	5.6 8.1*	2.1 3.9	3.7 5.8*	1.5 2.8	2.7 4.5*	1.3 1.9*	1.9* 1.9*	8.5
-1.5	Stabilizers raised Blade + 2 pt. down	5.7 5.9*	5.9* 5.9*	3.0 5.9	5.6 7.9*	2.0 3.8	3.6 5.7*	1.5 2.8	2.6 4.3*	1.4 2.3*	2.3* 2.3*	8.0
-3.0	Stabilizers raised Blade + 2 pt. down	5.8 9.1*	9.1* 9.1*	3.1 6.0	5.6 6.9*	2.0 3.9	3.6 5.1*			1.6 3.0*	2.9 3.0*	7.2
-4.5	Stabilizers raised Blade + 2 pt. down			3.3 5.0*	5.0* 5.0*					2.5 3.8*	3.8* 3.8*	5.5

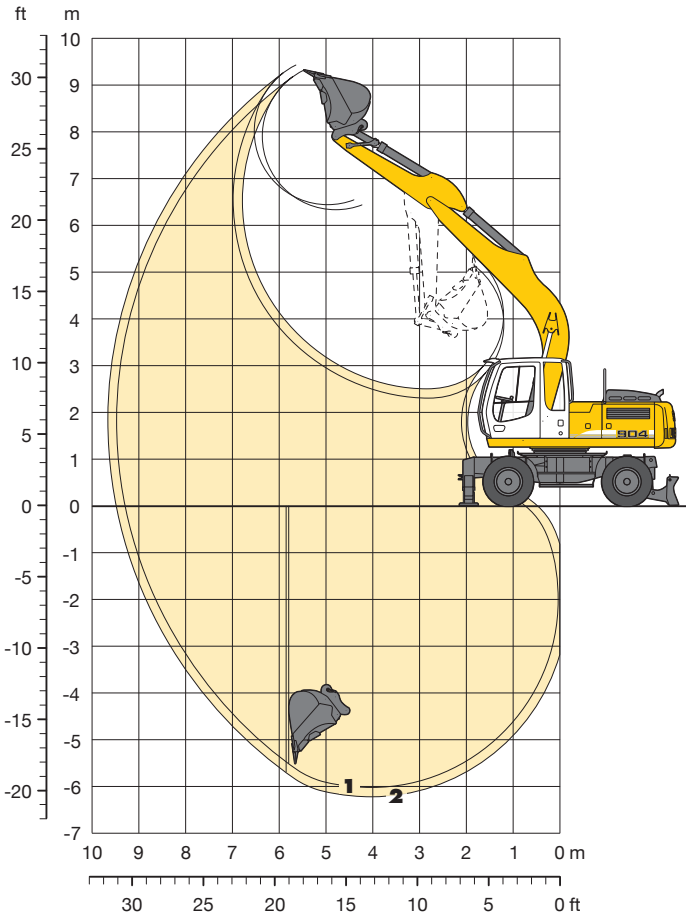
Height **Can be slewed through 360°** **In longitudinal position of undercarriage** **Max. reach** *** Limited by hydr. capacity**

The lift capacities on the load hook of the Liebherr quick coupler 48 without working tool are stated in metric tons (t) and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (+/– 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads 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 coupler (max. 12 t). Without the quick coupler, 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 Bucket A 904 C Litronic®

with Mono Boom 5.30 m



Digging Envelope with Quick Coupler

		1	2
Stick length	m	2.45	2.65
Max. digging depth	m	6.00	6.20
Max. reach at ground level	m	9.30	9.50
Max. dumping height	m	6.45	6.55
Max. teeth height	m	9.30	9.45
Min. attachment radius	m	3.10	3.10

Digging Forces without Quick Coupler

		1	2
Max. digging force (ISO 6015)	kN	90.9	85.8
	t	9.3	8.7
Max. breakout force (ISO 6015)	kN	133.2	133.2
	t	13.6	13.6
Max. breakout force with ripper bucket		156.9 kN (16.0 t)	
Max. possible digging force (stick 1.70 m)		117.2 kN (11.9 t)	

Operating Weight

The operating weight includes the basic machine with 8 tires plus intermediate rings, mono boom 5.30 m, stick 2.65 m, quick coupler 48 and bucket 1,250 mm/1.00 m³.

Undercarriage versions	Weight
A 904 C Litronic with stabilizer blade + 2 pt. outriggers	20,400 kg

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

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised		Stabilizer blade + 2 pt. outr. down	
			Stick length (m)		Stick length (m)	
mm	m³	kg	2.45	2.65	2.45	2.65
650[2]	0.55	510	□	□	□	□
850[2]	0.60	550	□	□	□	□
1,050[2]	0.80	630	△	△	□	□
1,250[2]	1.00	730	■	▲	□	□
1,400[2]	1.15	790	▲	▲	□	□
650[3]	0.55	570	□	□	□	□
850[3]	0.60	620	□	□	□	□
1,050[3]	0.80	710	△	■	□	□
1,250[3]	1.00	820	▲	▲	□	□
1,400[3]	1.15	880	▲	▲	□	□
650[4]	0.60	430	□	□	□	□
850[4]	0.65	590	□	□	□	□
1,050[4]	0.85	670	△	■	□	□
1,250[4]	1.05	770	▲	▲	□	□
1,400[4]	1.20	840	▲	▲	□	□

* Indicated loads are based on ISO 10567 and do not exceed 75 % of tipping or 87 % of hydraulic capacity, max. stick length without quick coupler, 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 edge (also available in HD-version)

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

Lift Capacities A 904 C Litronic®

with Mono Boom 5.30 m

Stick 2.45 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m				m
9.0	Stabilizers raised Blade + 2 pt. down											
7.5	Stabilizers raised Blade + 2 pt. down									2.6* 2.6*	2.6* 2.6*	5.6
6.0	Stabilizers raised Blade + 2 pt. down					3.1 4.4*	4.4* 4.4*			2.4* 2.4*	2.4* 2.4*	6.9
4.5	Stabilizers raised Blade + 2 pt. down					3.0 4.8*	4.8* 4.8*	2.0 3.0*	3.0* 3.0*	1.9 2.4*	2.4* 2.4*	7.6
3.0	Stabilizers raised Blade + 2 pt. down	7.6 11.6*	11.6* 11.6*	4.3 7.1*	7.1* 7.1*	2.8 4.8	4.9 5.6*	1.9 3.4	3.4 4.8*	1.7 2.4*	2.4* 2.4*	8.0
1.5	Stabilizers raised Blade + 2 pt. down			3.8 7.0	7.1 9.0*	2.5 4.6	4.6 6.5*	1.8 3.3	3.3 5.4*	1.6 2.6*	2.6* 2.6*	8.1
0	Stabilizers raised Blade + 2 pt. down	6.1* 6.1*	6.1* 6.1*	3.5 6.7	6.8 10.1*	2.4 4.4	4.4 7.2*	1.7 3.2	3.2 5.8*	1.6 2.9	3.0 3.0*	7.9
-1.5	Stabilizers raised Blade + 2 pt. down	6.3 9.3*	9.3* 9.3*	3.4 6.6	6.7 10.3*	2.3 4.3	4.3 7.5*			1.7 3.2	3.2 3.8*	7.4
-3.0	Stabilizers raised Blade + 2 pt. down	6.4 13.5	13.9* 13.9*	3.5 6.6	6.7 9.7*	2.3 4.3	4.4 7.0*			2.1 3.9	3.9 5.5*	6.5
-4.5	Stabilizers raised Blade + 2 pt. down	6.8 11.2*	11.2* 11.2*	3.7 6.9	7.0 7.6*					3.3 6.0	6.1 6.8*	4.9

Stick 2.65 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m				m
9.0	Stabilizers raised Blade + 2 pt. down											
7.5	Stabilizers raised Blade + 2 pt. down									2.4* 2.4*	2.4* 2.4*	5.9
6.0	Stabilizers raised Blade + 2 pt. down					3.1 4.1*	4.1* 4.1*			2.2* 2.2*	2.2* 2.2*	7.1
4.5	Stabilizers raised Blade + 2 pt. down					3.0 4.6*	4.6* 4.6*	2.0 3.4*	3.4* 3.4*	1.8 2.2*	2.2* 2.2*	7.8
3.0	Stabilizers raised Blade + 2 pt. down	7.8 10.7*	10.7* 10.7*	4.3 6.8*	6.8* 6.8*	2.8 4.8	4.9 5.4*	1.9 3.4	3.4 4.9*	1.6 2.2*	2.2* 2.2*	8.2
1.5	Stabilizers raised Blade + 2 pt. down	5.1* 5.1*	5.1* 5.1*	3.8 7.0	7.2 8.7*	2.5 4.6	4.6 6.4*	1.8 3.3	3.3 5.3*	1.5 2.4*	2.4* 2.4*	8.3
0	Stabilizers raised Blade + 2 pt. down	6.1* 6.1*	6.1* 6.1*	3.5 6.7	6.8 9.9*	2.4 4.4	4.4 7.1*	1.7 3.2	3.2 5.7*	1.5 2.7*	2.7* 2.7*	8.1
-1.5	Stabilizers raised Blade + 2 pt. down	6.2 9.0*	9.0* 9.0*	3.4 6.5	6.7 10.3*	2.3 4.3	4.3 7.4*	1.7 3.1	3.1 4.2*	1.6 3.1	3.1 3.4*	7.6
-3.0	Stabilizers raised Blade + 2 pt. down	6.4 13.0*	13.0* 13.0*	3.4 6.6	6.7 9.8*	2.3 4.3	4.3 7.1*			2.0 3.7	3.7 4.7*	6.7
-4.5	Stabilizers raised Blade + 2 pt. down	6.6 11.8*	11.8* 11.8*	3.6 6.8	6.9 8.0*					2.9 5.4	5.5 6.6*	5.2

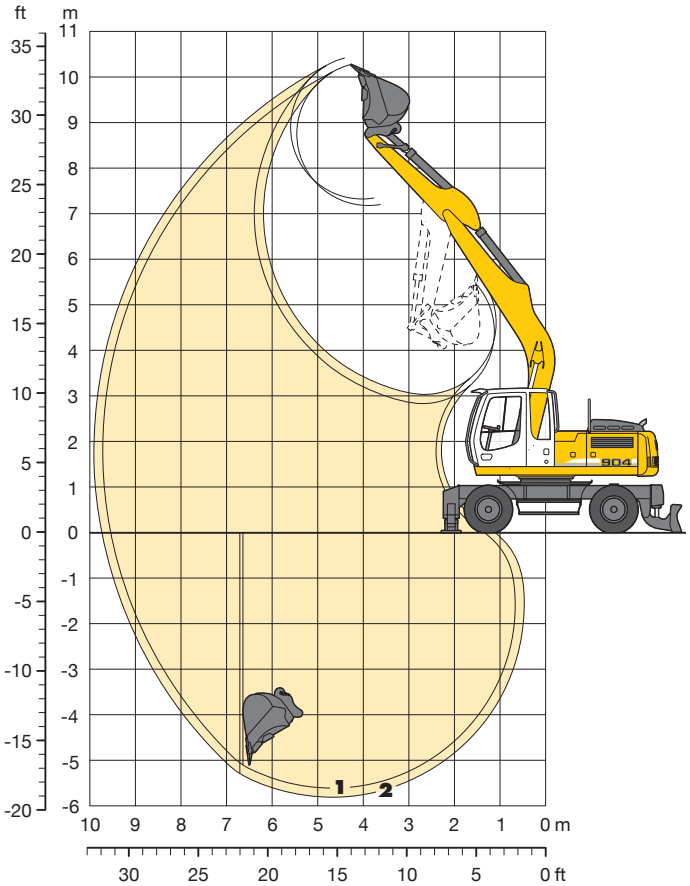
Height **Can be slewed through 360°** **In longitudinal position of undercarriage** **Max. reach** *** Limited by hydr. capacity**

The lift capacities on the load hook of the Liebherr quick coupler 48 without working tool are stated in metric tons (t) and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (+/– 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads 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 coupler (max. 12 t). Without the quick coupler, 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 Bucket A 904 C Litronic®

with Straight Mono Boom 5.50 m



Digging Envelope with Quick Coupler

		1	2
Stick length	m	2.45	2.65
Max. digging depth	m	5,60	5,80
Max. reach at ground level	m	9,55	9,75
Max. dumping height	m	7,20	7,35
Max. teeth height	m	10,25	10,40
Min. attachment radius	m	3,05	3,05

Digging Forces without Quick Coupler

		1	2
Max. digging force (ISO 6015)	kN	90.9	85.8
	t	9.3	8.7
Max. breakout force (ISO 6015)	kN	133.2	133.2
	t	13.6	13.6
Max. breakout force with ripper bucket		156.9 kN (16.0 t)	
Max. possible digging force (stick 1.70 m)		117.2 kN (11.9 t)	

Operating Weight

The operating weight includes the basic machine with 8 tires plus intermediate rings, straight mono boom 5.50 m, stick 2.65 m, quick coupler 48 and bucket 1,250 mm/1.00 m³.

Undercarriage versions	Weight
A 904 C Litronic with stabilizer blade + 2 pt. outriggers	20,400 kg

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

Cutting width	Capacity ISO 7451 [1]	Weight	Stabilizers raised, Stick length (m)		Stabilizer blade + 2 pt. outr. down, Stick length (m)	
			2.45	2.65	2.45	2.65
mm	m³	kg				
650 [2]	0.55	510	□	□	□	□
850 [2]	0.60	550	□	□	□	□
1,050 [2]	0.80	630	△	■	□	□
1,250 [2]	1.00	730	▲	▲	□	□
1,400 [2]	1.15	790	▲	▲	□	□
650 [3]	0.55	570	□	□	□	□
850 [3]	0.60	620	□	□	□	□
1,050 [3]	0.80	710	■	■	□	□
1,250 [3]	1.00	820	▲	▲	□	□
1,400 [3]	1.15	880	▲	▲	□	□
650 [4]	0.60	430	□	□	□	□
850 [4]	0.65	590	□	□	□	□
1,050 [4]	0.85	670	■	■	□	□
1,250 [4]	1.05	770	▲	▲	□	□
1,400 [4]	1.20	840	▲	▲	□	□

* Indicated loads are based on ISO 10567 and do not exceed 75 % of tipping or 87 % of hydraulic capacity, max. stick length without quick coupler, 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 edge (also available in HD-version)

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

Lift Capacities A 904 C Litronic®

with Straight Mono Boom 5.50 m

Stick 2.45 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m				m
9.0	Stabilizers raised Blade + 2 pt. down											
7.5	Stabilizers raised Blade + 2 pt. down					2.7* 2.7*	2.7* 2.7*			2.6* 2.6*	2.6* 2.6*	6.0
6.0	Stabilizers raised Blade + 2 pt. down					3.1 5.0*	5.0* 5.0*			2.2 2.4*	2.4* 2.4*	7.2
4.5	Stabilizers raised Blade + 2 pt. down			4.7 6.4*	6.4* 6.4*	2.9 5.0	5.1 5.5*	2.0 3.5	3.5 4.0*	1.8 2.4*	2.4* 2.4*	7.9
3.0	Stabilizers raised Blade + 2 pt. down			4.1 7.4	7.5 8.1*	2.7 4.8	4.8 6.2*	1.9 3.4	3.4 5.3*	1.6 2.4*	2.4* 2.4*	8.3
1.5	Stabilizers raised Blade + 2 pt. down			3.7 6.9	7.0 9.7*	2.5 4.5	4.5 7.0*	1.8 3.2	3.3 5.6*	1.5 2.6*	2.6* 2.6*	8.4
0	Stabilizers raised Blade + 2 pt. down	4.8* 4.8*	4.8* 4.8*	3.4 6.6	6.7 10.3*	2.3 4.3	4.4 7.4*	1.7 3.1	3.2 5.8*	1.5 2.8	2.8 2.9*	8.2
-1.5	Stabilizers raised Blade + 2 pt. down	6.2 8.1*	8.1* 8.1*	3.4 6.5	6.6 10.0*	2.3 4.3	4.3 7.3*	1.7 3.1	3.1 5.4*	1.6 3.0	3.0 3.6*	7.7
-3.0	Stabilizers raised Blade + 2 pt. down	6.4 12.4*	12.4* 12.4*	3.4 6.6	6.7 8.9*	2.3 4.3	4.3 6.5*			1.9 3.6	3.7 4.9*	6.8
-4.5	Stabilizers raised Blade + 2 pt. down											

Stick 2.65 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m				m
9.0	Stabilizers raised Blade + 2 pt. down											
7.5	Stabilizers raised Blade + 2 pt. down					3.1 3.2*	3.2* 3.2*			2.4* 2.4*	2.4* 2.4*	6.3
6.0	Stabilizers raised Blade + 2 pt. down					3.1 4.7*	4.7* 4.7*			2.1 2.2*	2.2* 2.2*	7.4
4.5	Stabilizers raised Blade + 2 pt. down			4.7 6.1*	6.1* 6.1*	2.9 5.0	5.1 5.3*	2.0 3.5	3.5 4.2*	1.7 2.2*	2.2* 2.2*	8.1
3.0	Stabilizers raised Blade + 2 pt. down			4.2 7.5	7.6 7.8*	2.7 4.8	4.8 6.1*	1.9 3.4	3.4 5.2*	1.5 2.2*	2.2* 2.2*	8.5
1.5	Stabilizers raised Blade + 2 pt. down			3.7 6.9	7.0 9.5*	2.5 4.5	4.5 6.9*	1.8 3.2	3.2 5.6*	1.4 2.4*	2.4* 2.4*	8.6
0	Stabilizers raised Blade + 2 pt. down	4.9* 4.9*	4.9* 4.9*	3.4 6.6	6.7 10.2*	2.3 4.3	4.4 7.3*	1.7 3.1	3.1 5.8*	1.4 2.6*	2.6* 2.6*	8.4
-1.5	Stabilizers raised Blade + 2 pt. down	6.2 7.8*	7.8* 7.8*	3.3 6.5	6.6 10.1*	2.2 4.2	4.3 7.3*	1.6 3.1	3.1 5.6*	1.5 2.9	2.9 3.2*	7.9
-3.0	Stabilizers raised Blade + 2 pt. down	6.3 11.7*	11.7* 11.7*	3.4 6.5	6.6 9.1*	2.2 4.2	4.3 6.6*			1.8 3.4	3.4 4.2*	7.0
-4.5	Stabilizers raised Blade + 2 pt. down			3.6 6.7	6.8* 6.8*					2.6 4.8	4.9 5.0*	5.7

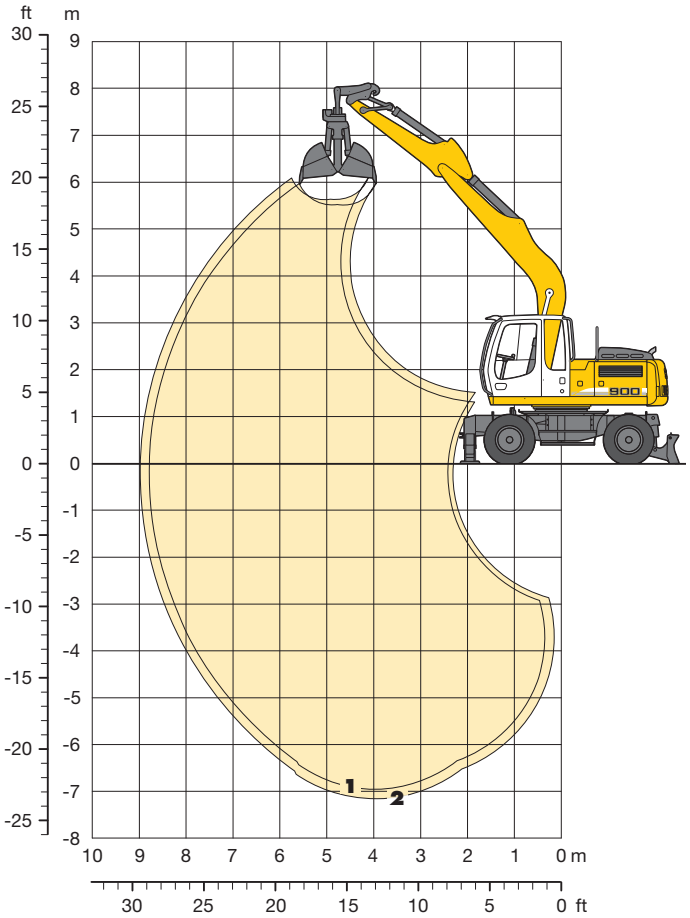
Height **Can be slewed through 360°** **In longitudinal position of undercarriage** **Max. reach** *** Limited by hydr. capacity**

The lift capacities on the load hook of the Liebherr quick coupler 48 without working tool are stated in metric tons (t) and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (+/– 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads 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 coupler (max. 12 t). Without the quick coupler, 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 Grab A 900 C Litronic®

with Mono Boom 5.00 m



Digging Envelope with Quick Coupler

		1	2
Stick length	m	2.45	2.65
Max. digging depth	m	6.95	7.15
Max. reach at ground level	m	8.80	8.95
Max. dumping height	m	5.50	5.65

Clamshell Model GM 10B

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 intermediate rings, mono boom 5.00 m, stick 2.45 m, quick coupler 48 and clamshell model GM 10B/0.45 m³ (800 mm without ejector).

Undercarriage versions	Weight
A 900 C Litronic with stabilizer blade + 2 pt. outriggers	18,900 kg

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

Width of clamshells	Capacity	Weight	Stabilizers raised		Stabilizer blade + 2 pt. outr. down	
			Stick length (m)		Stick length (m)	
mm	m³	kg	2.45	2.65	2.45	2.65
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	□	△	□	□
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 coupler, lifted 360° on firm with blocked oscillating axle

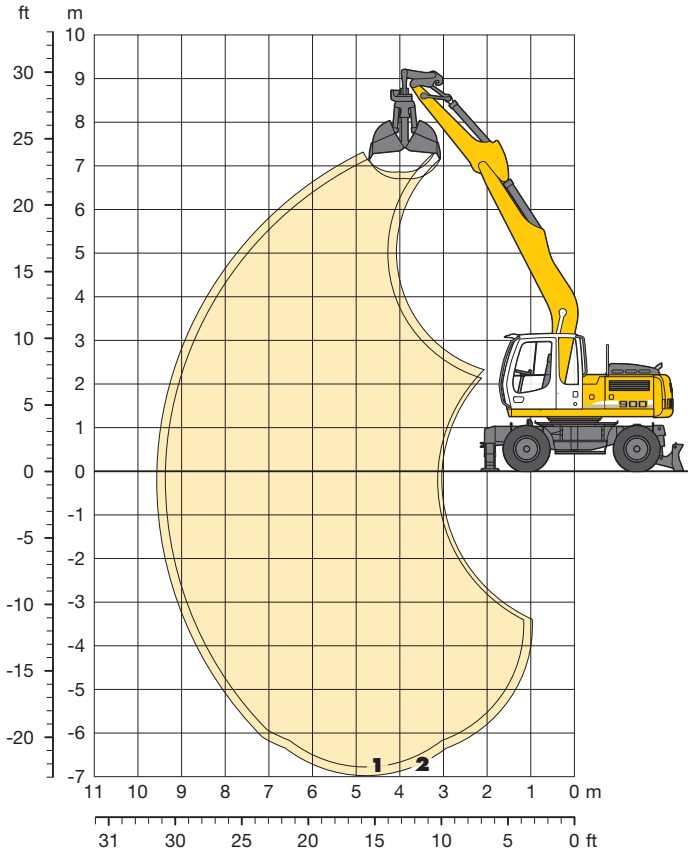
[1] without ejector

[2] with ejector

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

Clamshell Grab A 900 C Litronic®

with Straight Mono Boom 5.50 m



Digging Envelope with Quick Coupler		1	2
Stick length	m	2.45	2.65
Max. digging depth	m	6.75	6.95
Max. reach at ground level	m	9.35	9.55
Max. dumping height	m	6.70	6.85

Clamshell Model	GM 10B
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 intermediate rings, straight mono boom 5.50 m, stick 2.45 m, quick coupler 48 and clamshell model GM 10B/0.45 m³ (800 mm without ejector).

Undercarriage versions	Weight
A 900 C Litronic® with stabilizer blade + 2 pt. outriggers	19,000 kg

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

Width of clamshells	Capacity	Weight	Stabilizers raised		Stabilizer blade + 2 pt. outr. down	
			Stick length (m)		Stick length (m)	
mm	m³	kg	2.45	2.65	2.45	2.65
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	■	■	□	□
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 coupler, lifted 360° on firm with blocked oscillating axle

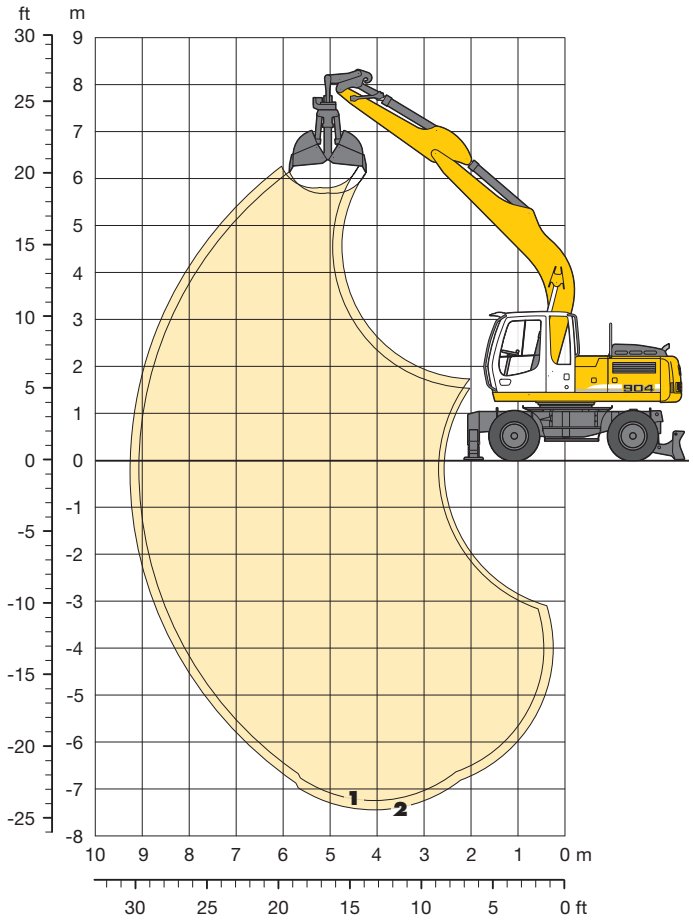
[1] without ejector

[2] with ejector

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

Clamshell Grab A 904 C Litronic®

with Mono Boom 5.30 m



Digging Envelope with Quick Coupler

		1	2
Stick length	m	2.45	2.65
Max. digging depth	m	7.25	7.45
Max. reach at ground level	m	9.05	9.25
Max. dumping height	m	5.70	5.80

Clamshell Model GM 10B

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 intermediate rings, mono boom 5.30 m, stick 2.65 m, quick coupler 48 and clamshell model GM 10B/0.45 m³ (800 mm without ejector).

Undercarriage versions	Weight
A 904 C Litronic with stabilizer blade + 2 pt. outriggers	20,600 kg

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

Width of clamshells	Capacity	Weight	Stabilizers raised		Stabilizer blade + 2 pt. outr. down	
			Stick length (m)		Stick length (m)	
mm	m³	kg	2.45	2.65	2.45	2.65
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	▲	▲	□	□
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 coupler, lifted 360° on firm with blocked oscillating axle

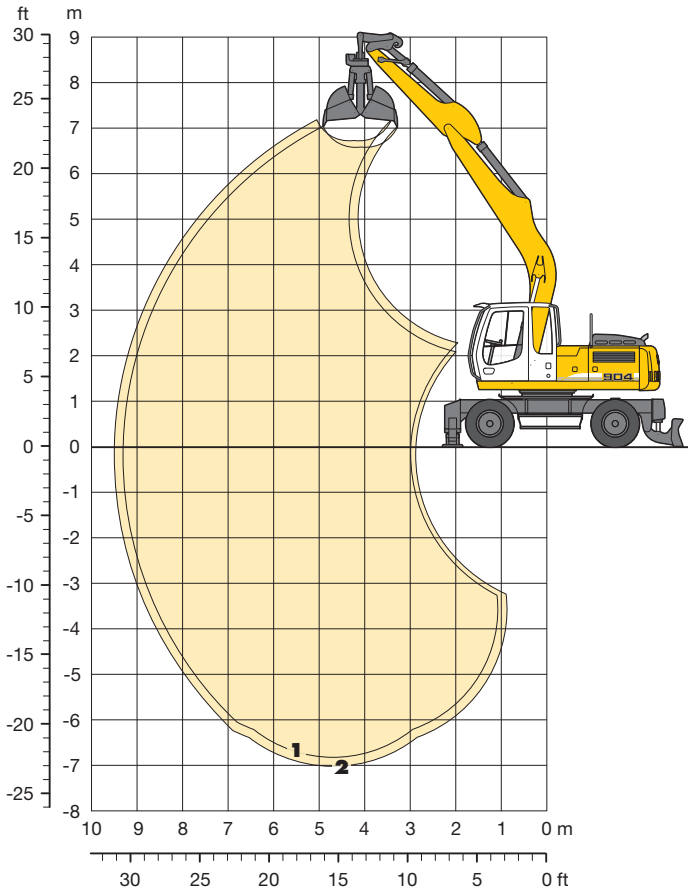
[1] without ejector

[2] with ejector

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

Clamshell Grab A 904 C Litronic®

with Straight Mono Boom 5.50 m



Digging Envelope with Quick Coupler

		1	2
Stick length	m	2.45	2.65
Max. digging depth	m	6.80	7.00
Max. reach at ground level	m	9.30	9.50
Max. dumping height	m	6.60	6.75

Clamshell Model GM 10B

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 intermediate rings, straight mono boom 5.50 m, stick 2.65 m, quick coupler 48 and clamshell model GM 10B/0.45 m³ (800 mm without ejector).

Undercarriage versions	Weight
A 904 C Litronic® with stabilizer blade + 2 pt. outriggers	20,600 kg

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

Width of clamshells	Capacity	Weight	Stabilizers raised		Stabilizer blade + 2 pt. outr. down	
			Stick length (m)		Stick length (m)	
mm	m³	kg	2.45	2.65	2.45	2.65
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	▲	▲	□	□
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 coupler, lifted 360° on firm with blocked oscillating axle

[1] without ejector

[2] with ejector

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

Attachments A 900 C Litronic®

Ditch Cleaning Buckets/Tilt Buckets

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

Cutting width mm	Capacity ISO 7451[1] m³	Weight kg	Stabilizers raised, Stick length (m) 2.45	Stabilizers raised, Stick length (m) 2.65	Stabilizer blade + 2 pt. outr. down, Stick length (m) 2.45	Stabilizer blade + 2 pt. outr. down, Stick length (m) 2.65
Mono Boom 5.00 m						
1,500[3]	0.50	430	□	□	□	□
1,600[2]	0.55	690	□	□	□	□
1,600[2]	0.80	850	△	■	□	□
2,000[2]	0.50	690	□	□	□	□
2,000[3]	0.48	400	□	□	□	□
2,000[2]	0.70	880	△	△	□	□
Straight Mono Boom 5.50 m						
1,500[3]	0.50	430	□	□	□	□
1,600[2]	0.55	690	□	△	□	□
1,600[2]	0.80	850	▲	▲	□	□
2,000[2]	0.50	690	□	□	□	□
2,000[3]	0.48	400	□	□	□	□
2,000[2]	0.70	880	■	▲	□	□

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

Cutting width mm	Capacity ISO 7451[1] m³	Weight kg	Stabilizers raised, Stick length (m) 2.45	Stabilizers raised, Stick length (m) 2.65	Stabilizer blade + 2 pt. outr. down, Stick length (m) 2.45	Stabilizer blade + 2 pt. outr. down, Stick length (m) 2.65
Mono Boom 5.00 m						
1,500[2]	0.60	680	□	□	□	□
1,600[2]	0.80	820	△	■	□	□
Straight Mono Boom 5.50 m						
1,500[2]	0.60	680	△	△	□	□
1,600[2]	0.80	820	▲	▲	□	□

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

[1] comparable with SAE (heaped)

[2] with 2 x 50° rotator

[3] rigid ditch cleaning bucket

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

Attachments A 904 C Litronic®

Ditch Cleaning Buckets/Tilt Buckets

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

Cutting width mm	Capacity ISO 7451[1] m³	Weight kg	Stabilizers raised, Stick length (m) 2.45	Stabilizers raised, Stick length (m) 2.65	Stabilizer blade + 2 pt. outr. down, Stick length (m) 2.45	Stabilizer blade + 2 pt. outr. down, Stick length (m) 2.65
Mono Boom 5.00 m						
1,500[3]	0.50	430	□	□	□	□
1,600[2]	0.55	690	□	□	□	□
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[2]	1.00	940	▲	▲	□	□
2,200[2]	0.80	880	■	■	□	□
2,200[2]	1.15	980	▲	▲	□	□
2,400[2]	0.85	890	■	■	□	□
Straight Mono Boom 5.50 m						
1,500[3]	0.50	430	□	□	□	□
1,600[2]	0.55	690	□	□	□	□
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[2]	1.00	940	▲	▲	□	□
2,200[2]	0.80	880	■	■	□	□
2,200[2]	1.15	980	▲	▲	□	□
2,400[2]	0.85	890	■	▲	□	□

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

Cutting width mm	Capacity ISO 7451[1] m³	Weight kg	Stabilizers raised, Stick length (m) 2.45	Stabilizers raised, Stick length (m) 2.65	Stabilizer blade + 2 pt. outr. down, Stick length (m) 2.45	Stabilizer blade + 2 pt. outr. down, Stick length (m) 2.65
Mono Boom 5.30 m						
1,500[2]	1.20	970	▲	▲	□	□
1,600[2]	0.80	820	■	■	□	□
1,600[2]	1.00	890	▲	▲	□	□
Straight Mono Boom 5.50 m						
1,500[2]	1.20	970	▲	▲	□	□
1,600[2]	0.80	820	■	■	□	□
1,600[2]	1.00	890	▲	▲	□	□

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

[1] comparable with SAE (heaped)

[2] with 2 x 50° rotator

[3] rigid ditch cleaning bucket

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

Equipment

Undercarriage	900	904
Dual-circuit braking system	•	•
Tyres (twin tyres) Mitas EM 22 10.00-20 PR 16 (MH3)	•	•
Individual control outriggers	•	•
Travel speed levels (four)	•	•
Mudguards	+	+
Powershift transmission, semiautomatic	•	•
Parking brake, maintenance-free	•	•
Protection for travel drive	•	+
Protection for piston rods, outriggers	+	+
Protection for piston rods, stabilizer blade	+	+
Speeder *	•	•
Two lockable storage boxes	•	•

Uppercarriage	900	904
Refuelling system with filling pump	+	+
Main battery switch for electrical system	•	•
Engine hood with gas spring	•	•
Uppercarriage doors, lockable	•	•
Warning beacon on uppercarriage	+	+
Service doors, lockable	•	•

Hydraulics	900	904
Shut-off valve between hydraulic tank and pump(s)	•	•
Pressure test fittings	•	•
Accumulator for controlled lowering of the attachment with the engine shut down	•	•
Hydraulic oil filter with integrated microfilter	•	•
Liebherr hydraulic oil from –20 °C to +40 °C	•	•
Liebherr hydraulic oil, specially for warm or cold regions	+	+
Magnetic rod in hydraulic tank	•	•
Switchover high pressure circuit and tipping cylinder	+	+
Switchover high pressure circuit and adjustment cylinder (two-piece boom)	+	+
Preheating hydraulic oil	+	+

Engine	900	904
Fuel anti-theft device	+	+
Air pre-filter with dust discharge	+	+
Preheating fuel	+	+
Preheating coolant	+	+
Preheating engine oil	+	+

Operator's Cab	900	904
Storage compartment	•	•
Mechanical hour meters, readable from outside the cab	•	•
Operator's seat Standard	•	•
Intermittent windscreen wiper with wiper washer	•	•
Rubber floor mat, removable	•	•
Dome light	•	•
License plate frame	+	+
Coat hook	•	•
Automatic air conditioning	•	•
Electric cooler	+	+
LiDAT	+	+
Emergency exit rear window	•	•
Positioning swing brake	+	+
Preparation for radio installation	•	•
Rain cover over front window opening	•	•
ROPS cab protection	•	•
Warning beacon on cab	+	+
All tinted windows	•	•
Door with sliding window	•	•
Top guard	+	+
Front guard	+	+
Sun blind	•	•
Auxiliary heating, adjustable (week time switch)	+	+
Cigarette lighter and ashtray	•	•

Attachment	900	904
Boom lights, 2 pieces, halogen	•	•
High pressure circuit incl. lines and Tool Control	+	+
Shackle on stick	+	+
Liebherr ditch cleaning bucket	+	+
Liebherr quick coupler, hydraulic or mechanical	+	+
Liebherr tilt bucket	+	+
Liebherr tilt rotator	+	+
Liebherr sorting grapple	+	+
Liebherr backhoe bucket	+	+
Liebherr tooth system	+	+
Liebherr clamshell grab	+	+
Middle pressure circuit incl. lines	•	•
Mono boom	+	+
Straight mono boom	•	•
Return line, pressureless (in high pressure circuit option included)	+	+
Protection for piston rod, stick cylinder	+	+
Tool Control, 10 tool adjustments selectable over the display	+	+
Overload warning device	+	+
Protection for stick	+	+
Two-piece boom	+	+

Complete Machine	900	904
Cold weather package	+	+
Lubrication		
Central lubrication system for uppercarriage and attachment, automatically	+	+

• = Standard, + = Option
* = not available in all countries

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

Printed in Germany by Typodruck RG-BK-RP LHB/VF 11493722-1-05.14_enGB All illustrations and data may differ from standard equipment. Subject to change without notice.

seijiro yazawa iwai

DIVISIÓN DE MAQUINARIA Y EQUIPOS PARA LA INDUSTRIA PESADA

www.seijiroyazawaiwai.com
info@seijiroyazawaiwai.com