Wheeled Excavator

A 900 C
Litronic®

Operating Weight:	**38,400 - 43,200 lb**
Engine Output (SAE J1349):	**127 HP / 95 kW**
Engine Output (ISO 9249):	**129 HP / 95 kW**
Bucket Capacity:	**0.42 - 1.24 yd³**

LIEBHERR

A 900 C Litronic®

Operating Weight:	38,400 - 43,200 lb
Engine Output (SAE J1349):	127 HP / 95 kW
Engine Output (ISO 9249):	129 HP / 95 kW
Blade Capacity:	0.42 - 1.24 yd³

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 performance and machine longevity.

Performance

Liebherr wheel excavators have been designed for maximum productivity. Maximum digging performances, high lift capacities and quick working cycles are prerequisites for efficient building site operation additionally, a wide variety of attachments are available to 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 cab during working shifts.

Economy

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

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-tire 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 optimized 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
- Tier 3 and Stage IIIA Compliant
- Specially designed for construction machinery operation
- Oil supply even with extreme tilt angle

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 entire travel drive unit is 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 provides an individual, application-related range of diverse attachments. Hydraulic booms, adjustable in height, as well as standard can be combined with different sticks.

Extensive lifting capacities

Trenching the lifting of pipes are everyday tasks for rubber-tire 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 protection system for blade cylinders

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 for the upper carriage. The cab features large glass panels and rounded edges to increase overall visibility and guarantees a safe overview of the entire working area.

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

Maintenance features

Easy maintenance
Semi-automatic 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 panels 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
- Heating 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 offers 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

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

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.

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-automatic central lubrication for swing gear and main parts of the attachment for quick 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 multifunctional tool carrier and will pay for itself very quickly.
- Mechanical and hydraulic Liebherr quick-change adapter available.

Technical Data

Engine

Rating per SAE J1349	127 HP (95 kW) at 1,800 rpm
Rating per ISO 9249	129 HP (95 kW) at 1,800 rpm
Model	Liebherr D 934 S according to stage IIIA/Tier 3
Type	4 cylinder in-line
Bore/Stroke	4.8/5.4 in
Displacement	390 in^3
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	77 gal
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	Liebherr, variable displacement, swash-plate pump
Max. flow	79 gpm
Max. hydr. pressure	5,076 psi
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	46 gal
Hydraulic system capacity	max. 77 gal
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 with hydrostatically driven fan
Modes	can be adjusted by the operator to adjust engine and hydraulic performance to match job conditions
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	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	30,978 lbf ft
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) = 72 dB(A)
2000/14/EC	L_{WA} (surround noise) = 99 dB(A)

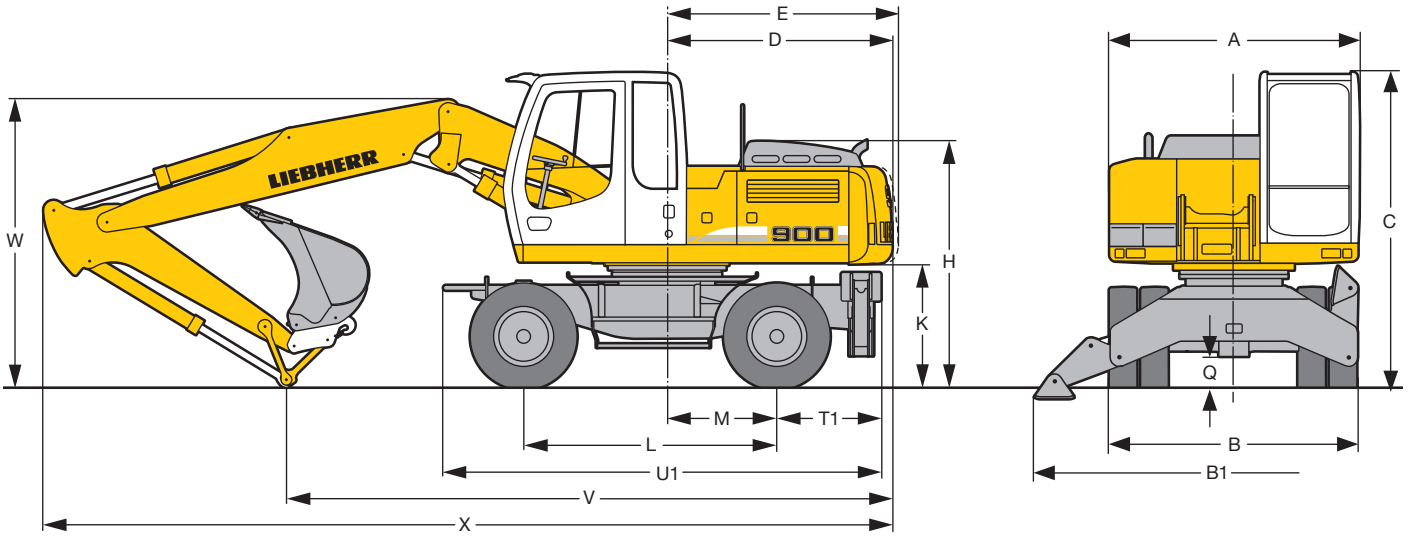
Undercarriage

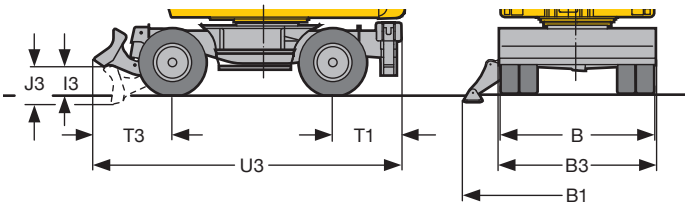
Drive	variable flow swashplate motor with automatic brake valve
Transmission	oversized two speed power shift transmission with additional creeper speed
Travel speed	0 – 1.6 mph (creeper speed off road) 0 – 3.1 mph (off road) 0 – 5.6 mph (creeper speed on road) 0 – 12.4 mph (road travel) 0 – 18.6 mph 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 4 pt. outriggers

Attachment

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

Dimensions





	ft in
A	8’ 4”
B	8’ 4”
B1	12’ 1”
B3	8’ 4”
C	10’ 4”
D	7’ 5”
E	7’ 8”
H	8’ 1”
I3	1’ 3”
J3	1’11”
K	4’ 1”
L	8’ 4”
M	3’ 7”
Q	1’ 2”
T1	3’ 5”
T3	3’ 9”
U1	14’ 5”
U3	15’ 7”

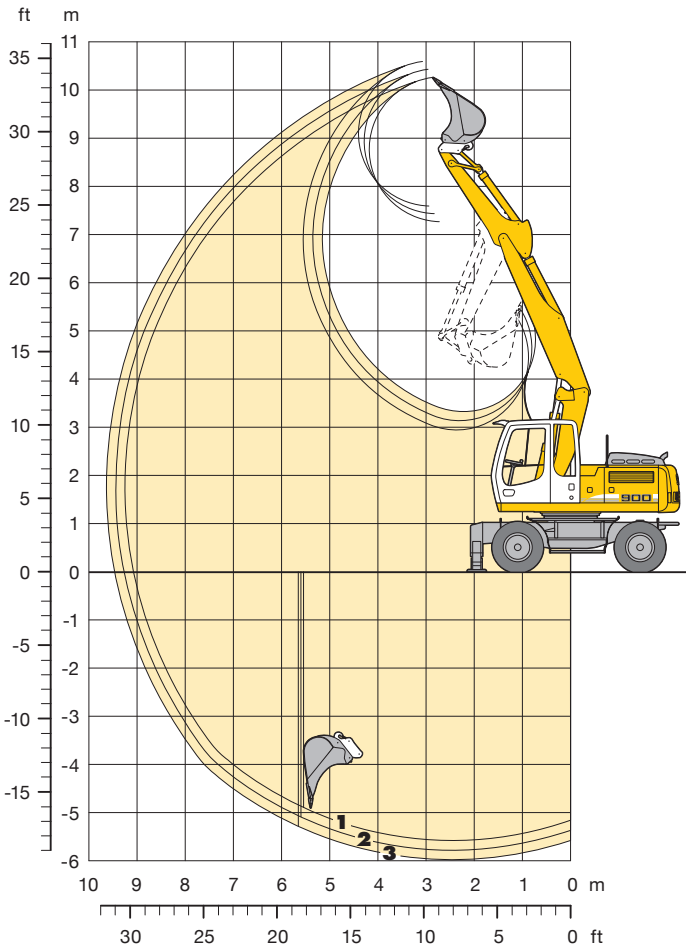
E = Tail radius
Tires 10.00-20

	Stick	Two-piece Boom 11’10”		Mono Boom 16’5”	
		blade + 2 pt. outr.	4 pt. outr.	blade + 2 pt. outr.	4 pt. outr.
	ft in	ft in	ft in	ft in	ft in
V	7’5”	20’4”	20’4”	19’	19’
	8’	19’4”	19’4”	17’ 9”	17’9”
	8’8”	19’	19’	18’ 6”	18’3”*
W	7’5”	10’	10’	10’ 4”	10’4”
	8’	10’	10’	10’	10’
	8’8”	10’2”	10’2”	10’ 2”	10’2”*
X	7’5”	28’5”	28’5”	27’ 7”	27’7”
	8’	28’5”	28’5”	27’ 7”	27’7”
	8’8”	28’5”	28’5”	28’10”	28’7”*

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

Backhoe Bucket

with Two-piece Boom 11’10”



Digging Envelope
with Quick Coupler

		1	2	3
Stick length	ft in	7’ 5”	8’	8’ 8”
Max. digging depth	ft in	18’ 6”	19’	19’10”
Max. reach at ground level	ft in	29’10”	30’6”	31’ 2”
Max. dumping height	ft in	23’ 7”	24’3”	24’ 9”
Max. teeth height	ft in	33’10”	34’3”	34’11”
Min. attachment radius	ft in	9’ 4”	9’	9’ 2”

Digging Forces
without Quick Coupler

		1	2	3
Max. digging force (ISO 6015)	lbf	18,210	17,085	19,096
	lb	18,298	16,976	16,094
Max. breakout force (ISO 6015)	lbf	22,121	22,121	22,121
	lb	22,046	22,046	22,046

Max. breakout force with ripper bucket 28,259 lbf (28,219 lb)

Weights

The base machine weight with 8 tires plus intermediate rings, without two-piece boom, stick, quick coupler and bucket.

Undercarriage versions	Weight
A 900 C Litronic with stabilizer blade + 2 pt. outriggers	33,400 lb
A 900 C Litronic with 4 pt. outriggers	34,000 lb

The operating weight includes the basic machine with 8 tires plus intermediate rings, two-piece boom 11’10”, stick 8’8”, quick coupler 48 and bucket 41.3”/ 1.05 yd³.

Undercarriage versions	Weight
A 900 C Litronic with stabilizer blade + 2 pt. outriggers	41,900 lb
A 900 C Litronic with 4 pt. outriggers	42,100 lb

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

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised			Stabilizer blade + 2 pt. outriggers down			4 pt. outriggers down		
			Stick length (ft in)			Stick length (ft in)			Stick length (ft in)		
in	yd³	lb	7’5”	8’	8’8”	7’5”	8’	8’8”	7’5”	8’	8’8”
19.7”[2]	0.42	639	□	□	□	□	□	□	□	□	□
25.6”[2]	0.59	882	□	□	□	□	□	□	□	□	□
33.5”[2]	0.78	948	□	□	□	□	□	□	□	□	□
41.3”[2]	1.05	1,124	△	△	■	□	□	□	□	□	□
49.2”[2]	1.24	1,235	■	■	▲	□	△	△	□	△	△
19.7”[3]	0.42	728	□	□	□	□	□	□	□	□	□
25.6”[3]	0.59	970	□	□	□	□	□	□	□	□	□
33.5”[3]	0.78	1,058	□	□	□	□	□	□	□	□	□
41.3”[3]	1.05	1,257	△	■	■	□	□	△	□	□	△
49.2”[3]	1.24	1,389	■	■	▲	□	△	■	□	△	■
19.7”[4]	0.44	617	□	□	□	□	□	□	□	□	□
25.6”[4]	0.59	838	□	□	□	□	□	□	□	□	□
33.5”[4]	0.85	904	□	□	□	□	□	□	□	□	□
41.3”[4]	1.11	1,080	△	■	■	□	□	△	□	□	△
49.2”[4]	1.37	1,168	■	▲	▲	△	△	■	△	△	■

* 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 19.7” cutting width with limited digging depth

Max. material weight □ = ≤ 3,034 lb/yd³, △ = ≤ 2,528 lb/yd³, ■ = ≤ 2,023 lb/yd³, ▲ = not authorized

Lift Capacities

with Two-piece Boom 11’10”

Stick 7’5”

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down											
25	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down			8,5* 8,5* 8,5*	8,5* 8,5* 8,5*					5,2* 5,2* 5,2*	5,2* 5,2* 5,2*	17’ 3”
20	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down			9,9 10,3* 10,3*	10,3* 10,3* 10,3*	6,1 8,0* 8,0*	8,0* 8,0* 8,0*			4,6* 4,6* 4,6*	4,6* 4,6* 4,6*	21’10”
15	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	13,9* 13,9* 13,9*	13,9* 13,9* 13,9*	9,7 13,3* 13,3*	13,3* 13,3* 13,3*	6,2 10,1 11,2*	9,6* 11,2* 11,2*			4,1 4,4* 4,4*	4,4* 4,4* 4,4*	24’ 6”
10	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	16,8 25,2* 25,2*	25,2* 25,2* 25,2*	9,4 15,1 15,9*	14,5 15,9* 15,9*	6,2 10,0 12,0	9,5 12,1* 12,1*	3,9 6,8 7,4*	6,4 7,4* 7,4*	3,6 4,5* 4,5*	4,5* 4,5* 4,5*	25’11”
5	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	16,4 24,8* 24,8*	24,8* 24,8* 24,8*	9,3 14,8* 17,9*	14,2 17,9* 17,9*	5,9 9,9 11,9	9,4 13,0* 13,0*	3,8 6,6 8,2	6,3 9,5* 9,5*	3,4 4,8* 4,8*	4,8* 4,8* 4,8*	26’ 3”
0	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	16,0 27,7* 27,7*	27,2 27,7* 27,7*	8,9 14,9 17,9*	14,3* 18,2* 18,2*	5,6 9,5 11,8	9,0 13,1* 13,1*	3,6 6,5 8,1*	6,1 8,3* 8,3*	3,4 5,4* 5,4*	5,4* 5,4* 5,4*	25’ 7”
- 5	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	15,1 29,0* 29,8*	28,1* 29,8* 29,8*	8,4 14,9 18,3*	14,1 18,5* 18,5*	5,1 9,1 11,4	8,6 13,2* 13,2*			3,8 6,7* 6,7*	6,5 6,7* 6,7*	23’10”
- 10	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	14,9 29,5 30,6*	27,9 30,6* 30,6*	7,8 14,2 17,8*	13,4 17,8* 17,8*	4,9 8,9 9,1*	8,4 9,1* 9,1*			4,7 7,9* 7,9*	7,9* 7,9* 7,9*	20’ 7”
- 15	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down											

Stick 8’

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down											
25	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down			8,3* 8,3* 8,3*	8,3* 8,3* 8,3*					4,7* 4,7* 4,7*	4,7* 4,7* 4,7*	18’ 3”
20	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down			9,5* 9,5* 9,5*	9,5* 9,5* 9,5*	6,2 8,0* 8,0*	8,0* 8,0* 8,0*			4,2* 4,2* 4,2*	4,2* 4,2* 4,2*	22’ 7”
15	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	11,5* 11,5* 11,5*	11,5* 11,5* 11,5*	9,7 11,8* 11,8*	11,8* 11,8* 11,8*	6,3 10,1 10,5*	9,6 10,5* 10,5*	3,9 4,6* 4,6*	4,6* 4,6* 4,6*	3,9 4,0* 4,0*	4,0* 4,0* 4,0*	25’ 2”
10	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	16,9* 24,7* 24,7*	24,7* 24,7* 24,7*	9,3 15,1 15,5*	14,4 15,5* 15,5*	6,2 9,9 11,9*	9,5 11,9* 11,9*	3,9 6,8 8,1*	6,4 8,1* 8,1*	3,4 4,1* 4,1*	4,1* 4,1* 4,1*	26’ 7”
5	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	16,2 24,4* 24,4*	24,4* 24,4* 24,4*	9,2 14,7* 17,6*	14,2 17,6* 17,6*	6,0 9,9 11,8	9,4 12,8* 12,8*	3,8 6,7 8,2	6,3 10,1* 10,1*	3,2 4,3* 4,3*	4,3* 4,3* 4,3*	26’11”
0	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	16,1 27,0* 27,0*	27,0* 27,0* 27,0*	8,9 14,9 17,8*	14,2 18,1* 18,1*	5,6 9,6 11,9	9,1 13,1* 13,1*	3,6 6,5 8,1	6,1 9,9* 9,9*	3,2 4,9* 4,9*	4,9* 4,9* 4,9*	26’ 3”
- 5	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	15,1 28,8 29,6*	27,8 29,6* 29,6*	8,4 14,9 18,2*	14,1 18,4* 18,4*	5,2 9,2 11,5	8,7* 13,3* 13,3*			3,6 5,9* 5,9*	5,9* 5,9* 5,9*	24’ 6”
- 10	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	14,9 29,5 30,7*	28,0 30,7* 30,7*	7,8 14,2 18,2	13,4 18,3* 18,3*	4,9 8,9 10,3*	8,4 10,3* 10,3*			4,4 7,8* 7,8*	7,5 7,8* 7,8*	21’ 5”
- 15	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	14,4 19,2* 19,2*	19,2* 19,2* 19,2*							12,4 16,6* 16,6*	16,6* 16,6* 16,6*	11’

Stick 8’8”

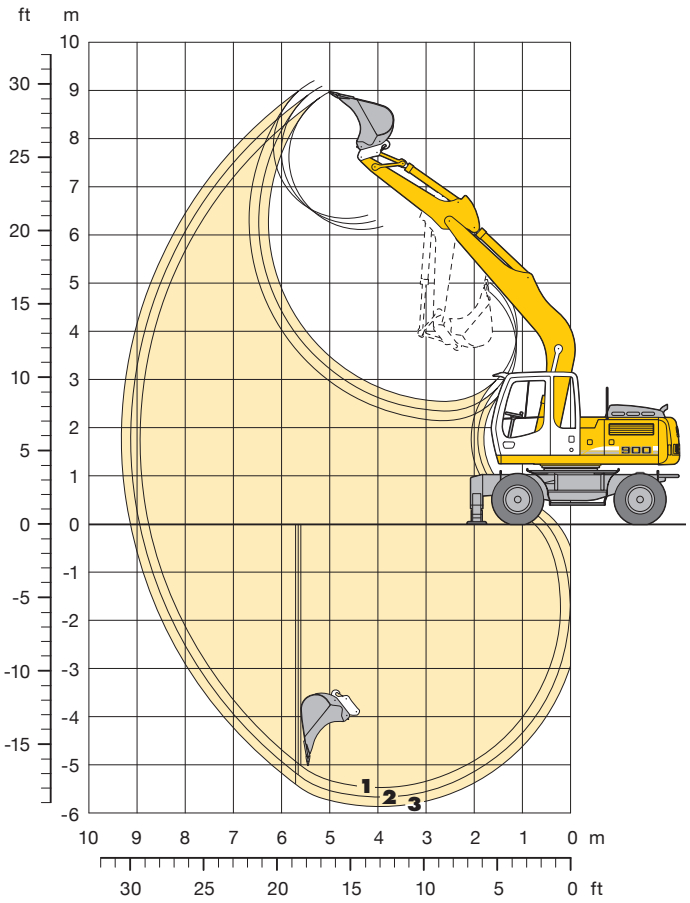
ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down									5,9* 5,9* 5,9*	5,9* 5,9* 5,9*	11’ 7”
25	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down			8,1* 8,1* 8,1*	8,1* 8,1* 8,1*					4,3* 4,3* 4,3*	4,3* 4,3* 4,3*	19’ 3”
20	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down			8,7* 8,7* 8,7*	8,7* 8,7* 8,7*	6,2 7,8* 7,8*	7,8* 7,8* 7,8*			3,8* 3,8* 3,8*	3,8* 3,8* 3,8*	23’ 5”
15	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down			9,7 10,5* 10,5*	10,5* 10,5* 10,5*	6,3 9,8* 9,8*	9,6* 9,8* 9,8*	4,0 5,7* 5,7*	5,7* 5,7* 5,7*	3,6* 3,6* 3,6*	3,6* 3,6* 3,6*	25’11”
10	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	16,8* 23,5* 23,5*	23,5* 23,5* 23,5*	9,4 15,0* 15,0*	14,4 15,0* 15,0*	6,2 9,9 11,6*	9,4 11,6* 11,6*	3,9 6,8 8,3*	6,4 8,3* 8,3*	3,2 3,7* 3,7*	3,7* 3,7* 3,7*	27’ 3”
5	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	16,3 24,4* 24,4*	24,4* 24,4* 24,4*	9,1 14,7* 17,3*	14,1 17,3* 17,3*	6,0 9,8 11,7	9,4 12,6* 12,6*	3,8 6,7 8,2	6,3 10,0* 10,0*	3,0 3,9* 3,9*	3,9* 3,9* 3,9*	27’ 6”
0	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	16,1 26,7* 26,7*	26,7* 26,7* 26,7*	8,9 14,8 17,7*	14,1 18,0* 18,0*	5,7 9,6* 11,8*	9,1 13,0* 13,0*	3,6 6,5 8,0	6,1 10,0* 10,0*	3,1 4,4* 4,4*	4,4* 4,4* 4,4*	26’11”
- 5	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	15,1 28,6* 29,4*	27,5 29,4* 29,4*	8,4 14,9 18,0	14,1 18,2* 18,2*	5,2 9,2 11,5	8,7 13,2* 13,2*	3,4 6,3 6,3*	5,9 6,3* 6,3*	3,4 5,2* 5,2*	5,2* 5,2* 5,2*	25’ 3”
- 10	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	14,8 29,4 30,4*	27,9 30,4* 30,4*	7,8 14,2 18,2	13,5 18,6* 18,6*	4,9 8,9 11,2	8,4 11,2* 11,2*			4,1 7,1* 7,1*	7,1 7,1* 7,1*	22’ 3”
- 15	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	14,3 22,0* 22,0*	22,0* 22,0* 22,0*							8,3 12,0* 12,0*	12,0* 12,0* 12,0*	14’ 1”

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 grab attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (+/– 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. 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 coupler (max. 26,455 lb). Without the quick coupler, lift capacities will increase by up to 498 lb.

Backhoe Bucket

with Mono Boom 16’5”



Digging Envelope

with Quick Coupler

		1	2	3
Stick length	ft in	7’ 5”	8’	8’ 8”
Max. digging depth	ft in	18’ 1”	18’ 8”	19’ 4”
Max. reach at ground level	ft in	28’10”	29’ 6”	30’ 2”
Max. dumping height	ft in	20’ 2”	20’ 6”	21’
Max. teeth height	ft in	29’ 6”	29’10”	30’ 4”
Min. attachment radius	ft in	10’10”	10’	10’

Digging Forces

without Quick Coupler

		1	2	3
Max. digging force (ISO 6015)	lbf	18,210	17,085	19,096
	lb	18,298	16,976	16,094
Max. breakout force (ISO 6015)	lbf	22,121	22,121	22,121
	lb	22,046	22,046	22,046

Max. breakout force with ripper bucket 28,259 lbf (28,219 lb)

Weights

The base machine weight with 8 tires plus intermediate rings, without mono boom, stick, quick coupler and bucket.

Undercarriage versions	Weight
A 900 C Litronic with stabilizer blade + 2 pt. outriggers	33,400 lb
A 900 C Litronic with 4 pt. outriggers	34,000 lb

The operating weight includes the basic machine with 8 tires plus intermediate rings, mono boom 16’5”, stick 8’8”, quick coupler 48 and bucket 41.3”/1.05 yd³.

Undercarriage versions	Weight
A 900 C Litronic with stabilizer blade + 2 pt. outriggers	41,200 lb
A 900 C Litronic with 4 pt. outriggers	41,400 lb

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

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised			Stabilizer blade + 2 pt. outriggers down			4 pt. outriggers down		
			Stick length (ft in)			Stick length (ft in)			Stick length (ft in)		
			7’5”	8’	8’8”	7’5”	8’	8’8”	7’5”	8’	8’8”
in	yd³	lb									
19.7”[2]	0.42	639	□	□	□	□	□	□	□	□	□
25.6”[2]	0.59	882	□	□	□	□	□	□	□	□	□
33.5”[2]	0.78	948	□	□	□	□	□	□	□	□	□
41.3”[2]	1.05	1,124	△	△	△	□	□	□	□	□	□
49.2”[2]	1.24	1,235	■	■	■	□	△	△	□	△	△
19.7”[3]	0.42	728	□	□	□	□	□	□	□	□	□
25.6”[3]	0.59	970	□	□	□	□	□	□	□	□	□
33.5”[3]	0.78	1,058	□	□	□	□	□	□	□	□	□
41.3”[3]	1.05	1,257	△	△	△	□	□	□	□	□	□
49.2”[3]	1.24	1,389	■	■	■	□	△	■	□	△	■
19.7”[4]	0.44	617	□	□	□	□	□	□	□	□	□
25.6”[4]	0.59	838	□	□	□	□	□	□	□	□	□
33.5”[4]	0.85	904	□	□	□	□	□	□	□	□	□
41.3”[4]	1.11	1,080	△	△	△	□	□	□	□	□	□
49.2”[4]	1.37	1,168	■	■	▲	□	△	■	□	△	■

* 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 19.7” cutting width with limited digging depth

Max. material weight □ = ≤ 3,034 lb/yd³, △ = ≤ 2,528 lb/yd³, ■ = ≤ 2,023 lb/yd³, ▲ = not authorized

Lift Capacities

with Mono Boom 16′5″

Stick 7′5″

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down											
25	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down											
20	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down					5,7* 5,7* 5,7*	5,7* 5,7* 5,7*			4,5* 4,5* 4,5*	4,5* 4,5* 4,5*	20′ 6″
15	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down			9,2 9,9* 9,9*	9,9* 9,9* 9,9*	5,8 9,2* 9,2*	9,2* 9,2* 9,2*			4,4* 4,4* 4,4*	4,4* 4,4* 4,4*	23′ 4″
10	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	15,3 20,1* 20,1*	20,1* 20,1* 20,1*	8,4 12,9* 12,9*	12,9* 12,9* 12,9*	5,5 9,5 10,4*	9,0 10,4* 10,4*			3,8 4,5* 4,5*	4,5* 4,5* 4,5*	24′10″
5	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	10,5* 10,5* 10,5*	10,5* 10,5* 10,5*	7,7 13,9 16,1*	13,2 16,1* 16,1*	5,1 9,1 11,4	8,6 11,9* 11,9*	3,6 5,6* 5,6*	5,6* 5,6* 5,6*	3,6 4,9* 4,9*	4,9* 4,9* 4,9*	25′ 2″
0	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	12,9 13,4* 13,4*	13,4* 13,4* 13,4*	7,2 13,4 17,3	12,7 17,9* 17,9*	4,9 8,8 11,1	8,3 12,9* 12,9*			3,7 5,7* 5,7*	5,7* 5,7* 5,7*	24′ 5″
- 5	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	13,0 20,4* 20,4*	20,4* 20,4* 20,4*	7,1 13,3 17,2	12,5 17,9* 17,9*	4,8 8,7 11,0	8,2 12,9* 12,9*			4,1 7,3* 7,3*	7,0 7,3* 7,3*	22′ 7″
- 10	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	13,4 23,6* 23,6*	23,6* 23,6* 23,6*	7,3 13,5 16,0*	12,8 16,0* 16,0*					5,2 9,5 11,6*	8,9 11,6* 11,6*	19′ 2″
- 15	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down											

Stick 8′

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down											
25	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down									4,7* 4,7* 4,7*	4,7* 4,7* 4,7*	16′ 7″
20	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down					6,0 6,4* 6,4*	6,4* 6,4* 6,4*			4,1* 4,1* 4,1*	4,1* 4,1* 4,1*	21′ 3″
15	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down					5,8 8,8* 8,8*	8,8* 8,8* 8,8*			4,0* 4,0* 4,0*	4,0* 4,0* 4,0*	24′
10	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	15,6 18,7* 18,7*	18,7* 18,7* 18,7*	8,5 12,3* 12,3*	12,3* 12,3* 12,3*	5,5 9,5 10,1*	9,0 10,1* 10,1*	3,8 5,4* 5,4*	5,4* 5,4* 5,4*	3,6 4,1* 4,1*	4,1* 4,1* 4,1*	25′ 5″
5	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	12,4* 12,4* 12,4*	12,4* 12,4* 12,4*	7,7 14,0 15,6*	13,2 15,6* 15,6*	5,1 9,1 11,4	8,6 11,6* 11,6*	3,6 6,5 7,1*	6,1 7,1* 7,1*	3,4 4,4* 4,4*	4,4* 4,4* 4,4*	25′ 9″
0	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	12,8 13,6* 13,6*	13,6* 13,6* 13,6*	7,2 13,4 17,3	12,6 17,6* 17,6*	4,8 8,8 11,1	8,3 12,7* 12,7*	3,5 5,6* 5,6*	5,6* 5,6* 5,6*	3,5 5,1* 5,1*	5,1* 5,1* 5,1*	25′ 1″
- 5	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	12,8 19,6* 19,6*	19,6* 19,6* 19,6*	7,0 13,2 17,1	12,5 17,9* 17,9*	4,7 8,7 10,9	8,2 12,9* 12,9*			3,9 6,4* 6,4*	6,4* 6,4* 6,4*	23′ 3″
- 10	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	13,2 24,3* 24,3*	24,3* 24,3* 24,3*	7,2 13,4 16,3*	12,6 16,3* 16,3*	4,9 8,8 9,9*	8,3 9,9* 9,9*			4,9 8,8 9,7*	8,3 9,7* 9,7*	20′
- 15	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down											

Stick 8′8″

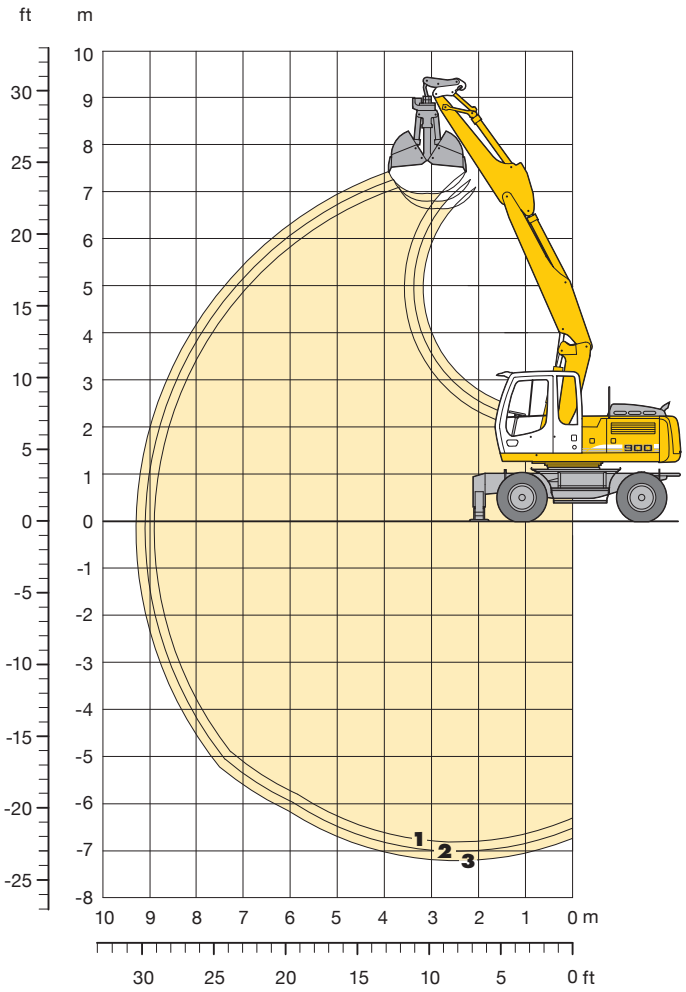
ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down											
25	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down									4,3* 4,3* 4,3*	4,3* 4,3* 4,3*	17′ 7″
20	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down					6,0 6,7* 6,7*	6,7* 6,7* 6,7*			3,8* 3,8* 3,8*	3,8* 3,8* 3,8*	22′ 1″
15	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down					5,8 8,4* 8,4*	8,4* 8,4* 8,4*			3,6* 3,6* 3,6*	3,6* 3,6* 3,6*	24′ 8″
10	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	15,9 17,3* 17,3*	17,3* 17,3* 17,3*	8,6 11,8* 11,8*	11,8* 11,8* 11,8*	5,5 9,5 9,8*	9,0 9,8* 9,8*	3,8 6,3* 6,3*	6,3 6,3* 6,3*	3,5 3,7* 3,7*	3,7* 3,7* 3,7*	26′ 1″
5	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	13,4 14,4* 14,4*	14,4* 14,4* 14,4*	7,7 14,0 15,2*	13,2 15,2* 15,2*	5,1 9,1 11,3*	8,6 11,3* 11,3*	3,6 6,5 7,9*	6,1 7,9* 7,9*	3,3 4,0* 4,0*	4,0* 4,0* 4,0*	26′ 5″
0	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	12,7 13,7* 13,7*	13,7* 13,7* 13,7*	7,1 13,4 17,3	12,6 17,4* 17,4*	4,8 8,7 11,0	8,2 12,5* 12,5*	3,5 6,3 7,4*	5,9 7,4* 7,4*	3,3 4,6* 4,6*	4,6* 4,6* 4,6*	25′ 9″
- 5	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	12,7 18,8* 18,8*	18,8* 18,8* 18,8*	6,9 13,1 17,0	12,4 17,9* 17,9*	4,7 8,6 10,9	8,1 12,9* 12,9*			3,6 5,7* 5,7*	5,7* 5,7* 5,7*	24′
- 10	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	13,0 24,9* 24,9*	24,9* 24,9* 24,9*	7,0 13,3 16,6*	12,5 16,6* 16,6*	4,8 8,7 11,0	8,2 11,7* 11,7*			4,5 8,2 8,3*	7,8 8,3* 8,3*	20′10″
- 15	Stabilizers raised Blade + 2 pt. down 4 pt. outr. down	13,8 18,3* 18,3*	18,3* 18,3* 18,3*	7,5 11,9* 11,9*	11,9* 11,9* 11,9*					7,3 11,4* 11,4*	11,4* 11,4* 11,4*	15′ 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 grab attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (+/– 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads 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. 26,455 lb). Without the quick coupler, lift capacities will increase by up to 498 lb.

Clamshell Grab

with Two-piece Boom 11’10”



Digging Envelope

with Quick Coupler

		1	2	3
Stick length	ft in	7’ 5”	8’	8’ 8”
Max. digging depth	ft in	22’ 4”	23’	23’ 7”
Max. reach at ground level	ft in	29’ 2”	29’10”	30’ 6”
Max. dumping height	ft in	21’10”	22’ 4”	23’

Clamshell Model GM 8B

Max. tooth force	11,690 lbf (11,684 lb)
Max. torque of hydr. swivel	1,033 lbf ft

Weights

The base machine weight with 8 tires plus intermediate rings, without two-piece boom, stick, quick coupler and clamshell.

Undercarriage versions	Weight
A 900 C Litronic with stabilizer blade + 2 pt. outriggers	33,400 lb
A 900 C Litronic with 4 pt. outriggers	34,000 lb

The operating weight includes the basic machine with 8 tires plus intermediate rings, two-piece boom 11’10”, stick 8’8”, quick coupler 48 and clamshell model GM 8B/0.52 yd³ (31.5” without ejector).

Undercarriage versions	Weight
A 900 C Litronic with stabilizer blade + 2 pt. outriggers	42,500 lb
A 900 C Litronic with 4 pt. outriggers	42,800 lb

Clamshell Model GM 8B Machine stability per ISO 10567* (75% of tipping capacity)

Width of shells	Capacity	Weight	Stabilizers raised			Stabilizer blade + 2 pt. outriggers down			4 pt. outriggers down		
			Stick length (ft in)			Stick length (ft in)			Stick length (ft in)		
in	yd³	lb	7’5”	8’	8’8”	7’5”	8’	8’8”	7’5”	8’	8’8”
12.6”[1]	0.22	1,565	□	□	□	□	□	□	□	□	□
15.7”[1]	0.29	1,653	□	□	□	□	□	□	□	□	□
23.6”[1]	0.39	1,653	□	□	□	□	□	□	□	□	□
31.5”[1]	0.52	1,764	□	□	□	□	□	□	□	□	□
39.4”[1]	1.05	1,984	■	▲	▲	□	△	■	□	△	■
12.6”[2]	0.22	1,676	□	□	□	□	□	□	□	□	□
15.7”[2]	0.29	1,786	□	□	□	□	□	□	□	□	□
23.6”[2]	0.39	1,830	□	□	□	□	□	□	□	□	□
31.5”[2]	0.52	1,962	□	□	□	□	□	□	□	□	□

* 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

□ = ≤ 3,034 lb/yd³ max. material weight

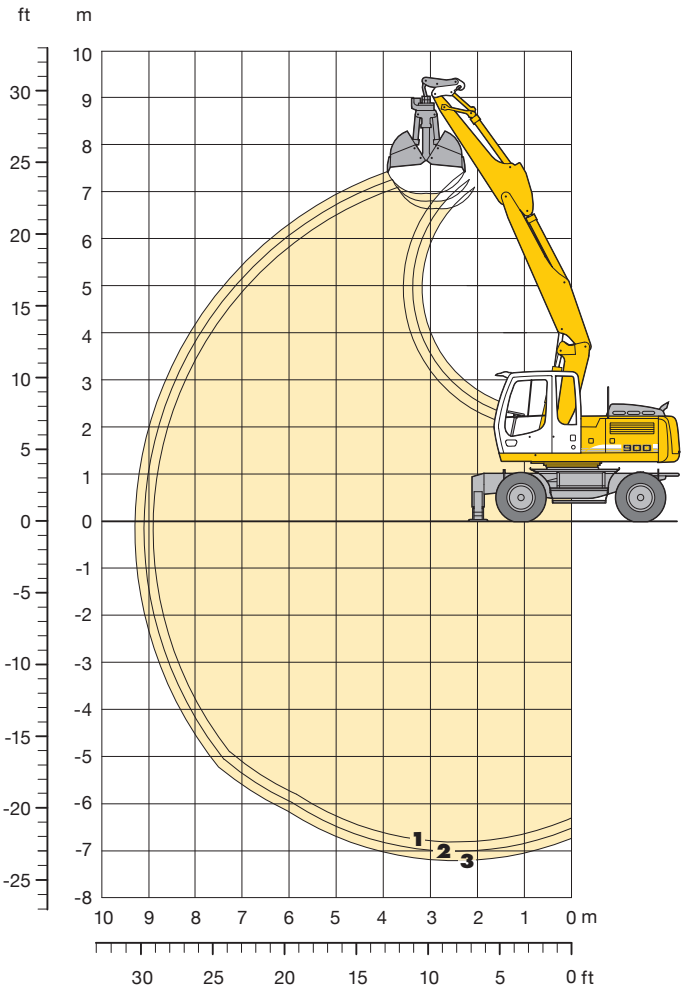
△ = ≤ 2,528 lb/yd³ max. material weight

■ = ≤ 2,023 lb/yd³ max. material weight

▲ = not authorized

Clamshell Grab

with Two-piece Boom 11’10”



Digging Envelope

with Quick Coupler

		1	2	3
Stick length	ft in	7’ 5”	8’	8’ 8”
Max. digging depth	ft in	22’ 4”	23’	23’ 7”
Max. reach at ground level	ft in	29’ 2”	29’10”	30’ 6”
Max. dumping height	ft in	21’10”	22’ 4”	23’

Clamshell Model GM 10B

Max. tooth force	16,411 lbf (16,314 lb)
Max. torque of hydr. swivel	1,298 lbf ft

Weights

The base machine weight with 8 tires plus intermediate rings, without two-piece boom, stick, quick coupler and clamshell.

Undercarriage versions	Weight
A 900 C Litronic with stabilizer blade + 2 pt. outriggers	33,400 lb
A 900 C Litronic with 4 pt. outriggers	34,000 lb

The operating weight includes the basic machine with 8 tires plus intermediate rings, two-piece boom 11’10”, stick 8’8”, quick coupler 48 and clamshell model GM 10B/0.59 yd³ (31.5” without ejector).

Undercarriage versions	Weight
A 900 C Litronic with stabilizer blade + 2 pt. outriggers	42,800 lb
A 900 C Litronic with 4 pt. outriggers	43,000 lb

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

Width of shells	Capacity	Weight	Stabilizers raised			Stabilizer blade + 2 pt. outriggers down			4 pt. outriggers down		
			Stick length (ft in)			Stick length (ft in)			Stick length (ft in)		
in	yd³	lb	7’5”	8’	8’8”	7’5”	8’	8’8”	7’5”	8’	8’8”
12.6”[1]	0.22	1,698	□	□	□	□	□	□	□	□	□
15.7”[1]	0.29	1,808	□	□	□	□	□	□	□	□	□
23.6”[1]	0.46	1,896	□	□	□	□	□	□	□	□	□
31.5”[1]	0.59	2,006	□	□	□	□	□	□	□	□	□
39.4”[1]	0.78	2,138	△	■	■	□	□	△	□	□	△
12.6”[2]	0.22	1,808	□	□	□	□	□	□	□	□	□
15.7”[2]	0.29	1,940	□	□	□	□	□	□	□	□	□
23.6”[2]	0.46	2,094	□	□	□	□	□	□	□	□	□
31.5”[2]	0.59	2,227	□	□	△	□	□	□	□	□	□

* 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

□ = ≤ 3,034 lb/yd³ max. material weight

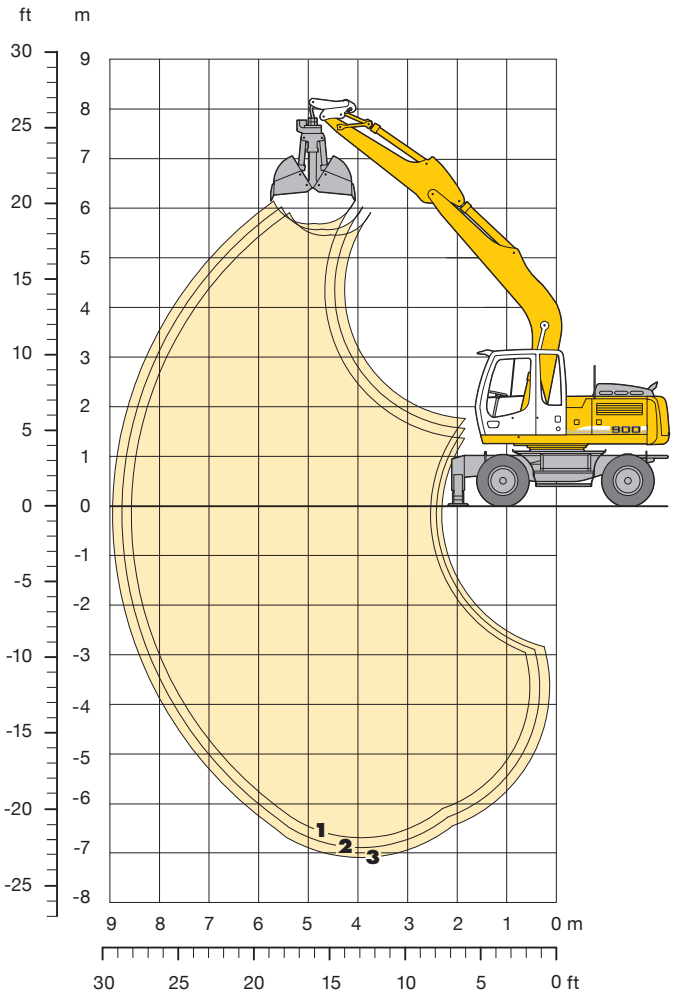
△ = ≤ 2,528 lb/yd³ max. material weight

■ = ≤ 2,023 lb/yd³ max. material weight

▲ = not authorized

Clamshell Grab

with Mono Boom 16’5”



Digging Envelope

with Quick Coupler

		1	2	3
Stick length	ft in	7’ 5”	8’	8’8”
Max. digging depth	ft in	22’	22’ 8”	23’4”
Max. reach at ground level	ft in	28’ 3”	28’10”	29’6”
Max. dumping height	ft in	17’11”	18’ 3”	18’8”

Clamshell Model GM 8B

Max. tooth force	11,690 lbf (11,684 lb)
Max. torque of hydr. swivel	1,033 lbf ft

Weights

The base machine weight with 8 tires plus intermediate rings, without mono boom, stick, quick coupler and clamshell.

Undercarriage versions	Weight
A 900 C Litronic with stabilizer blade + 2 pt. outriggers	33,400 lb
A 900 C Litronic with 4 pt. outriggers	34,000 lb

The operating weight includes the basic machine with 8 tires plus intermediate rings, mono boom 16’5”, stick 8’8”, quick coupler 48 and clamshell model GM 8B/0.52 yd³ (31.5” without ejector).

Undercarriage versions	Weight
A 900 C Litronic with stabilizer blade + 2 pt. outriggers	41,900 lb
A 900 C Litronic with 4 pt. outriggers	42,100 lb

Clamshell Model GM 8B Machine stability per ISO 10567* (75% of tipping capacity)

Width of shells	Capacity	Weight	Stabilizers raised			Stabilizer blade + 2 pt. outriggers down			4 pt. outriggers down		
			Stick length (ft in)			Stick length (ft in)			Stick length (ft in)		
in	yd³	lb	7’5”	8’	8’8”	7’5”	8’	8’8”	7’5”	8’	8’8”
12.6”[1]	0.22	1,565	□	□	□	□	□	□	□	□	□
15.7”[1]	0.29	1,653	□	□	□	□	□	□	□	□	□
23.6”[1]	0.39	1,653	□	□	□	□	□	□	□	□	□
31.5”[1]	0.52	1,764	□	□	□	□	□	□	□	□	□
39.4”[1]	1.05	1,984	■	■	■	□	△	■	□	△	■
12.6”[2]	0.22	1,676	□	□	□	□	□	□	□	□	□
15.7”[2]	0.29	1,786	□	□	□	□	□	□	□	□	□
23.6”[2]	0.39	1,830	□	□	□	□	□	□	□	□	□
31.5”[2]	0.52	1,962	□	□	□	□	□	□	□	□	□

* 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

□ = ≤ 3,034 lb/yd³ max. material weight

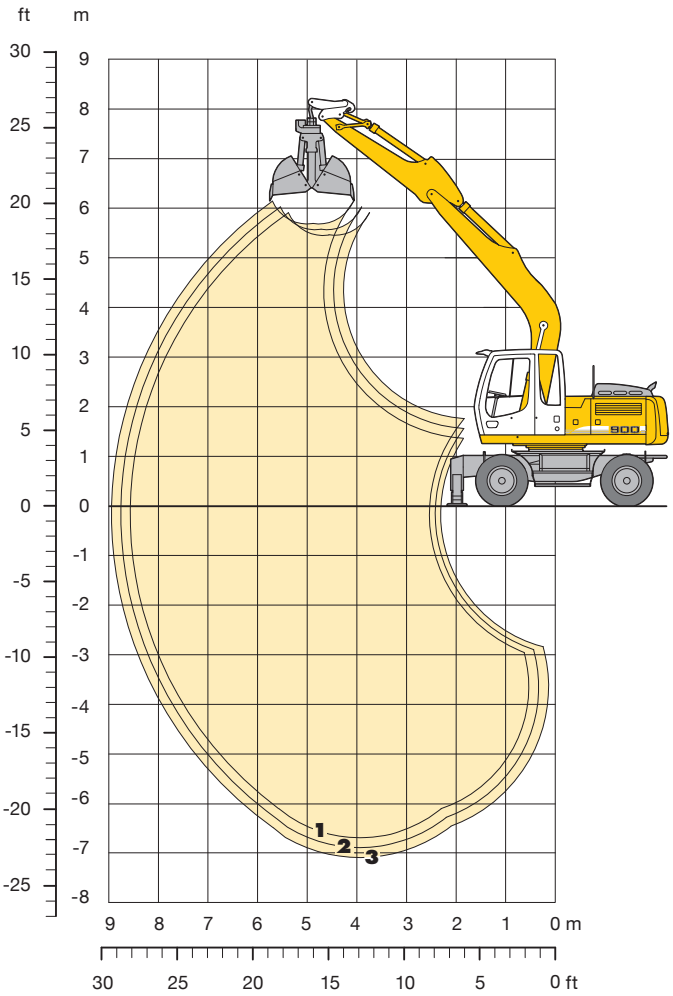
△ = ≤ 2,528 lb/yd³ max. material weight

■ = ≤ 2,023 lb/yd³ max. material weight

▲ = not authorized

Clamshell Grab

with Mono Boom 16’5”



Digging Envelope

with Quick Coupler

		1	2	3
Stick length	ft in	7’ 5”	8’	8’8”
Max. digging depth	ft in	22’	22’ 8”	23’4”
Max. reach at ground level	ft in	28’ 3”	28’10”	29’6”
Max. dumping height	ft in	17’11”	18’ 3”	18’8”

Clamshell Model GM 10B

Max. tooth force	16,411 lbf (16,314 lb)
Max. torque of hydr. swivel	1,298 lbf ft

Weights

The base machine weight with 8 tires plus intermediate rings, without mono boom, stick, quick coupler and clamshell.

Undercarriage versions	Weight
A 900 C Litronic with stabilizer blade + 2 pt. outriggers	33,400 lb
A 900 C Litronic with 4 pt. outriggers	34,000 lb

The operating weight includes the basic machine with 8 tires plus intermediate rings, mono boom 16’5”, stick 8’8”, quick coupler 48 and clamshell model GM 10B/0.59 yd³ (31.5” without ejector).

Undercarriage versions	Weight
A 900 C Litronic with stabilizer blade + 2 pt. outriggers	42,100 lb
A 900 C Litronic with 4 pt. outriggers	42,300 lb

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

Width of shells	Capacity	Weight	Stabilizers raised			Stabilizer blade + 2 pt. outriggers down			4 pt. outriggers down		
			Stick length (ft in)			Stick length (ft in)			Stick length (ft in)		
in	yd³	lb	7’5”	8’	8’8”	7’5”	8’	8’8”	7’5”	8’	8’8”
12.6”[1]	0.22	1,698	□	□	□	□	□	□	□	□	□
15.7”[1]	0.29	1,808	□	□	□	□	□	□	□	□	□
23.6”[1]	0.46	1,896	□	□	□	□	□	□	□	□	□
31.5”[1]	0.59	2,006	□	□	□	□	□	□	□	□	□
39.4”[1]	0.78	2,138	△	△	△	□	□	□	□	□	□
12.6”[2]	0.22	1,808	□	□	□	□	□	□	□	□	□
15.7”[2]	0.29	1,940	□	□	□	□	□	□	□	□	□
23.6”[2]	0.46	2,094	□	□	□	□	□	□	□	□	□
31.5”[2]	0.59	2,227	□	□	□	□	□	□	□	□	□

* 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

□ = ≤ 3,034 lb/yd³ max. material weight

△ = ≤ 2,528 lb/yd³ max. material weight

■ = ≤ 2,023 lb/yd³ max. material weight

▲ = not authorized

Attachments

Ditchcleaning Buckets/Tilting Buckets

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

Cutting width	Capacity ISO 7451 [1]	Weight	Stabilizers raised			Stabilizer blade + 2 pt. outriggers down			4 pt. outriggers down		
			Stick length (ft in)			Stick length (ft in)			Stick length (ft in)		
in	yd³	lb	7'5"	8'	8'8"	7'5"	8'	8'8"	7'5"	8'	8'8"
Two-piece Boom 11'10"											
59.1" [3]	0.65	948	□	□	□	□	□	□	□	□	□
63.0" [2]	0.72	1,521	□	□	□	□	□	□	□	□	□
63.0" [2]	1.05	1,874	■	■	▲	□	△	■	□	△	■
78.7" [2]	0.65	1,521	□	□	□	□	□	□	□	□	□
78.7" [3]	0.63	882	□	□	□	□	□	□	□	□	□
78.7" [2]	0.92	1,940	■	■	■	□	□	△	□	□	△
Mono Boom 16'5"											
59.1" [3]	0.65	948	□	□	□	□	□	□	□	□	□
63.0" [2]	0.72	1,521	□	□	□	□	□	□	□	□	□
63.0" [2]	1.05	1,874	■	■	■	□	△	△	□	△	△
78.7" [2]	0.65	1,521	□	□	□	□	□	□	□	□	□
78.7" [3]	0.63	882	□	□	□	□	□	□	□	□	□
78.7" [2]	0.92	1,940	△	△	■	□	□	△	□	□	△

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

Cutting width	Capacity ISO 7451 [1]	Weight	Stabilizers raised			Stabilizer blade + 2 pt. outriggers down			4 pt. outriggers down		
			Stick length (ft in)			Stick length (ft in)			Stick length (ft in)		
in	yd³	lb	7'5"	8'	8'8"	7'5"	8'	8'8"	7'5"	8'	8'8"
Two-piece Boom 11'10"											
59.1" [2]	0.78	1,499	□	□	△	□	□	□	□	□	□
63.0" [2]	1.05	1,808	■	■	▲	□	△	△	□	△	△
Mono Boom 16'5"											
59.1" [2]	0.78	1,499	□	□	□	□	□	□	□	□	□
63.0" [2]	1.05	1,808	■	■	■	□	△	△	□	△	△

* 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 ditchcleaning bucket

□ = ≤ 3,034 lb/yd³ max. material weight
△ = ≤ 2,528 lb/yd³ max. material weight
■ = ≤ 2,023 lb/yd³ max. material weight
▲ = not authorized

Equipment

Undercarriage

2-circuit brake system	•
Individual controllable outriggers	+
Tires Mitas EM 22	•
Travel speed levels (four)	•
Piston rod protection support cylinders	+
Powershift transmission	•
Parking brake, maintenance-free	•
Tire variants, various	+
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 swing 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

Shutoff valve between hydraulic tank and pump(s)	•
Pressure test fittings	•
Accumulator for controlled lowering of the attachment with the engine shut down	•
Hydraulic oil from –4 °F to +104 °F	•
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	+
Change-over for controls (hammer/shear operation via pedals or joystick)	+

Engine

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

Operator's Cab

Hour meter, 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 shutdown (time adjustable)	+
Bullet proof glass (front and top)	+
Radio system	+
Smokers package	•
Rear view camera	+
Back-up alarm	+
Beacon	+
Tinted 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

Slope attachment	+
Function hammer/shear operation incl. tubing	+
Grapple sticks	+
Hoist limitation, electronic	+
Piston rod protection bucket cylinder	+
Piston rod protection stick cylinder	+
Load hook on stick	+
Shackle on stick	+
Leak oil line, additional for working tools	+
Liebherr ditchcleaning bucket	+
Liebherr pallet forks	+
Liebherr quick coupler, hydraulic or mechanical	+
Liebherr tilting bucket	+
Liebherr tilt rotator	+
Liebherr sorting grapple	+
Liebherr backhoe bucket	+
Liebherr tooth system	+
Liebherr clamshell grab	+
LIKUFIX, coupling hydraulic tools from the cab	+
Mono boom	+
Mono boom, stretched	+
Multi-User attachment	+
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	+
Two-piece boom	+
Central lubricating system, expanded for connecting link	+
Central lubrication for quick coupler	+

• = Standard, + = Option

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

The Liebherr Group of Companies

Wide Product Range

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

Exceptional Customer Benefit

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

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 120 companies with over 35,000 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.us

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