Wheeled Excavator

A 920

Litronic®

Operating Weight
40,300 – 47,000 lb

Engine
129 kW / 175 HP
Tier 4f

Bucket Capacity
0.72 – 1.57 yd^3

LIEBHERR

Performance
Robustly Stable Power,
Strength and Precision

Economy
A Sound Investment – Optimum Economy
and Environmentally Friendly

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40,300 – 47,000 lb

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0.72 – 1.57 yd^3

Reliability
Competence, Consistency,
Innovation – Proven Experience

Comfort
Ergonomic Excellence – Superior Cabin
Design for Operator Comfort and Wellbeing

Maintainability
Service Every Step of the Way –
Simple, Fast and Reliable

Performance

Robustly Stable Power, Strength and Precision

Liebherr wheeled excavators are designed for maximum productivity. Large grab capacity, high payloads and rapid working cycles satisfy all the requirements for efficient site operations. A wide range of attachment versions enhances excavator use.

Maximum Performance

Versatile & Strong
Through its productivity and efficiency, the powerful Liebherr A 920 excels in all fields of application. Its machine concept is ideally suited to road, canal and pipeline construction as well as to conventional earthmoving work. The A 920's range of applications can be further extended thanks to a wide variety of optional equipment. This makes the machine a powerful and cost-effective all-rounder that improves capacity and significantly boosts productivity.

Working Faster
Many years of experience in the development and production of hydraulic excavators and systems allow us to harmonize the components perfectly. As a result, Liebherr hydraulic excavators feature rapid, fluid movements combined with high precision. These properties are also available when simply driving the machine. The speed and precision of the machine can be adjusted using the MODE switch to suit a new task, which also saves fuel.

Precise Work

Working with Precision
The Liebherr joysticks enable the operator to intuitively and sensitively control the Liebherr hydraulic system to complete even the most challenging tasks quickly, not only with reduced speed but also with maximum power output. Liebherr has been using an infinitely variable proportional controller with four axes for many years. The slim, ergonomically designed proportional sensors deliver additional functionality to the classic machine controller without having to reach for additional controls. Typical functions include high and medium pressure movements for tools, the control of height and sideways-adjustable booms as well as lowering the machine outrigger. The mini-joysticks can also be used optionally to steer the entire machine. Buttons on the joysticks, which the operator can configure, deliver additional convenience and functions.

Constant Power
- Powerful and robust construction machinery motor for continuous use at full load
- 4.5 l long-stroke engine for high torque and fuel-efficient work at low speeds
- Efficient turbo loader with intercooling – high output at low fuel consumption

Digging Force
- High digging and breakout force
- Continuously high digging performance even in tough ground
- More digging force for faster results

The Perfect Tool for any Use
- Large selection of different tools
- Careful and precise coordination of bucket shape and tooth design for the required application
- Liebherr tool attachments are developed and manufactured in-house. A well thought-out choice of materials, special heat treatment and the lowest production tolerances ensure exceptional robustness and a long service life

Economy

A Sound Investment – Optimum Economy and Environmentally Friendly

Liebherr wheeled excavators are machines that combine high productivity with excellent levels of economy – and all this comes as standard from the factory. On request, the efficiency of each wheeled excavator can be boosted further with a Liebherr productive bucket, fuel-saving Liebherr hydraulic oil or a Liebherr quick coupling system, all of which provide more return from each operating hour.

Maximum Efficiency

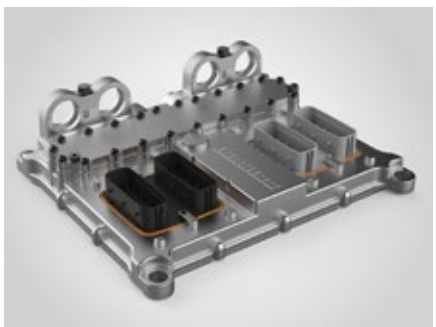
Strong Construction Machinery Engine
For the A 920 Litronic, Liebherr uses a sturdy four-cylinder in-line engine designed for maximum performance at all times. Intensive long-term tests have proved the resilience and quality of the installed components. The Liebherr engines fulfil our high quality standards, even in the toughest working conditions. This enables reliable service over the entire lifetime of the machine. Consistently powerful machines boost productivity.

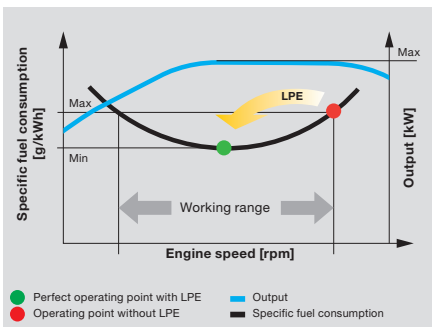
Low Maintenance SCR
The newly developed diesel engine protects the environment and its resources by reducing its emissions. Liebherr uses an innovative SCR-system (selective catalytic reduction), consisting of an SCR catalytic converter system and other components, such as an injector and AdBlue® supply, to achieve emissions stage IV. This reduces emissions of nitrogen oxides (NOX) by over 90 percent, is maintenance free and designed for the life period of the machine. Depending on the requirements, a particle filter can also be installed.

Increased Productivity

Immediately Ready for Use
Optional electrical preheating of coolant, hydraulic oil and fuel shortens the warm-up phase for the machine dramatically. This ensures a reliable and gentle engine start even at low temperatures. You can now say goodbye to temporary machine downtimes due to clogged diesel.

Efficient Management
LiDAT, Liebherr's own data transmission and positioning system, facilitates efficient management, monitoring and control of the entire fleet in terms of machinery data recording, data analysis, fleet management and service. All of the important machinery data can be viewed at any time on a web browser. LiDAT provides you comprehensive work deployment documentation, greater availability thanks to shorter downtimes, faster support from the manufacturer, quicker detection of strain / overload and subsequently a longer service life of the machine as well as greater planning efficiency.





Controlled Maximum Power
- The engine control unit has been specially developed for Common-Rail injection systems
- All engine functions are continuously managed by the control unit, resulting in a smooth interaction between hardware and software
- The engine control unit contains diverse diagnostics programmes, thereby ensuring an increased engine service life

Low Fuel Consumption Thanks to Intelligent Machine Control
- Liebherr-Power Efficiency (LPE) optimises the interaction of the drive components in terms of efficiency
- LPE enables machine operation in the area of the lowest specific fuel use for reduced consumption and greater efficiency with the same performance

Liebherr Quick Coupling System LIKUFIX
- Faster and safer changing of mechanical and hydraulic working tools from the operator's cabin
- Machine utilization increased to up to 90 % thanks to extended deployment options
- Visual and acoustic check of correct locking position of tool at quick coupling system by two proximity sensors

Reliability

Competence, Consistency, Innovation – Proven Experience

Reliability offers safety. Safety that significantly influences the success of a project. Whatever the weather, Liebherr stands for safety – with reliable construction machines and customer-oriented sales and service partners. This means a Liebherr construction machine is exactly what it should be: an investment that pays off.

High Machine Availability

Quality and Competence
Our product experience, our understanding of technical design and feedback from customers, along with sales and service, form the basis for the use of pioneering ideas and have always been an integral part of our recipe for success. In addition, Liebherr has been delivering great production depth and system solutions for decades. Key components such as the diesel engine, electronic components, slewing ring, slewing drive and hydraulic cylinders are developed and manufactured in-house. Our great production depth guarantees the highest quality possible and allows the components to be coordinated perfectly.

Robust Construction
All the steel components are designed and manufactured by Liebherr. High strength steel sheets designed to withstand the harshest requirements guarantee high torsion resistance and excellent absorption of forces to ensure a long service life.

Wear Minimisation
Continuous filtration of the hydraulic oil via an optional external bypass filter provides extra protection for hydraulic components while minimising wear. This also extends the service life of the hydraulic oil.

Greater Safety

Safety
In addition to the performance and economy of a wheeled excavator, the other main focus is on the safety of personnel and the machine. A wide range of equipment such as pipe fracture safety devices on lifting and stick cylinders, load holding valves on outriggers, lift limitation in height, overload warning device, roll-over protection system (ROPS) and the emergency exit through the rear window deliver maximum safety for every job.

Maximum Stability
Various undercarriage versions with securely welded outriggers deliver safe footing, maximum stability and a long service life. The stabilizer blade as well as the outriggers have been designed for the toughest scenarios, allowing the machine to reliably carry out its work at full load.

All-round Visibility
- Skyview 360° camera system for easy monitoring of the danger zones around the machine
- High working speed thanks to improved all-round visibility
- Less down time due to lower accident and damage risk
- Increased safety and flexibility in restricted spaces

Effective Undercarriage Concept
- Liebherr undercarriages provide the best stability, greater lifting power and high levels of driving comfort thanks to their long wheel base and optimal weight distribution
- An oscillating axle as standard ensures stability in all positions
- To prevent damage to the travel drive, all components are integrated in the sturdy undercarriage frame or protected by a solid steel frame

Liebherr Twin Tires EM 22 Without Intermediate Ring
- Specially developed twin tires for increased stability when not supported
- Long service life through increased wear resistance
- Best traction on soft and sandy terrain
- Unique in its class: The dimensions correspond to the 10-set twin tires and do not exceed the permissible width

Comfort

Ergonomic Excellence – Superior Cabin Design for Operator Comfort and Wellbeing

The Liebherr excavator cab comes with generous dimensions and an ergonomic design. The operator's seat is individually adjustable, the control panel is arranged clearly and helpfully and the all-round visibility is perfect. Automatic air-conditioning ensures the right temperature at all times in the "Liebherr feel-good cab".

First-Class Cab

Productive Working Environment
The spacious Liebherr cab offers plenty of room for long working days and ensures the best platform for all-round visibility thanks to large window areas and narrow bars. All gear levers and control panels are located within reach and fit the ergonomic concept of the operator's cab perfectly. The temperature, fan setting and the standard automatic air-conditioning's head, chest and foot level air vents can be adjusted with ease using touchscreen control.

Operator Seats
The Standard, Comfort and Premium operator's seat versions deliver maximum comfort.
Even the Standard operator's seat has been manufactured with high-quality materials and has an extensive selection of standard equipment including pneumatic suspension, seat heating, headrest, lumbar support and much more.
A luxury which we believe every construction machine should provide.

Smooth Operation
The use of visco-elastic mounts, good noise insulation and modern, smooth Liebherr diesel engines minimize noise emissions and vibrations.

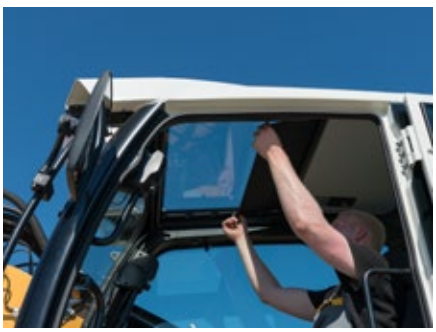
Comfortable Operation

Radio with Hands-free Device
The optional Liebherr radio is MP3-compatible, has a USB connection and can be used as interface for the integral hands-free kit. If the machine operator connects his smartphone to the radio using Bluetooth, the touchscreen can be used to control phone calls. This means that all media, including the radio, MP3 or phone calls, are controlled using a central unit which provides greater clarity, simplicity and comfort.

Information Center
The large touchscreen provides the operator with a fast, uncomplicated interface which delivers all the information required for working with the machine. A flat, intuitive menu system ensures that it can be readily understood so that the information center can be used in a highly productive way.

Pleasant Climate
The use of an efficient auxiliary heater significantly enhances cab comfort, productive work time and safety. The upstream warm-up phase also protects the engine components and reduces wear.

Refuelling
- Using the optional refueling pump, the machine can be refueled directly from a fuel container
- An integral tank hose and an automatic shut off when the tank is full deliver greater comfort and short refuelling times
- Topping up – simple, quick and safe



Sliding Two-piece Windscreen
- Unrestricted view of the working area by sliding in the windscreen
- Simple mechanism for rapid and intuitive opening
- Windscreen can be split in two

Intuitive Operation
- Display of the machine data and camera image on the 7-inch indicating unit with touchscreen and direct access via menu bar
- 20 user-programmable memory slots for working tools, which can be used for quickly and easily setting the oil pressure and oil flow at the push of a button when changing tools
- Rear and side area monitoring provide optimum visibility of the working area at all times; equipped as standard

Maintainability

Service Every Step of the Way – Simple, Fast and Reliable

Liebherr compact wheeled excavators are not only powerful, robust, precise and efficient, they also impress with the service-orientated machine design. Maintenance is performed quickly, simply and safely. This reduces maintenance costs and keeps machine downtimes to a minimum.

Simplified Maintenance Concept

Service-based Machine Design
The service-based machine design guarantees short servicing times, thus minimizing maintenance costs due to the time it saves. All the maintenance points are easily accessible from the ground and easy to reach due to the large, wide-opening service doors. The enhanced service concept places the maintenance points close to each other and reduces their number to a minimum.

Hydraulic Oils with Added Value
Liebherr hydraulic oils achieve a service life of 6,000 operating hours plus. Instead of having defined change intervals, the results of the oil analysis (every 1,000 operating hours or after one year) determine when the oil needs to be changed. The unique Liebherr Hydraulic Plus oil can even achieve a service life of 8,000 operating hours plus at the same time reducing fuel consumption by up to 5 %.

Retrofitting with New Technologies
New emission standards, amended safety regulations or different areas of deployment – the demands on your machine can change as years go by. Protective grilles, additional filter systems and options for hydraulics are just a small selection from the Liebherr retrofit program with which we offer you an effective way to modify or retrofit your machine.

Your Competent Service Partner

Remanufacturing
The Liebherr remanufacturing program offers cost-effective reconditioning of components to the highest quality standards. Various reconditioning levels available including replacement components and general overhaul or repair. The customer receives components with original part quality at a reduced cost.

Competent Advice and Service
Competent advice is a given at Liebherr. Experienced specialists provide advice for your specific requirements: application-oriented sales support, service agreements, cost effective repair alternatives, original parts management, as well as remote data transmission for machine planning and fleet management.

Lubrication During Operation
- Fully automatic central lubrication system for the attachment and swing ring
- Can be expanded to the connecting link and quick coupler
- Lubrication without interrupting work for higher productivity

Excellent Service Access
- Large, wide-opening service doors
- Engine oil, fuel, air and cab air filters are easily and safely accessible from the ground
- The oil level in the hydraulic tank can be checked from the cab
- Standard magnetic rod in the hydraulic tank as reliable service indicator

Rapid Spare Parts Service
- 24-hour delivery: Spare parts service is available for our dealers around the clock
- Electronic spare parts catalogue: Fast and reliable selection and ordering via the Liebherr online portal
- With online tracking, the current processing status of your order can be viewed at any time

Wheeled Excavator A 920 Litronic

Overview

Excellent Machine Concept for Maximum Reliability

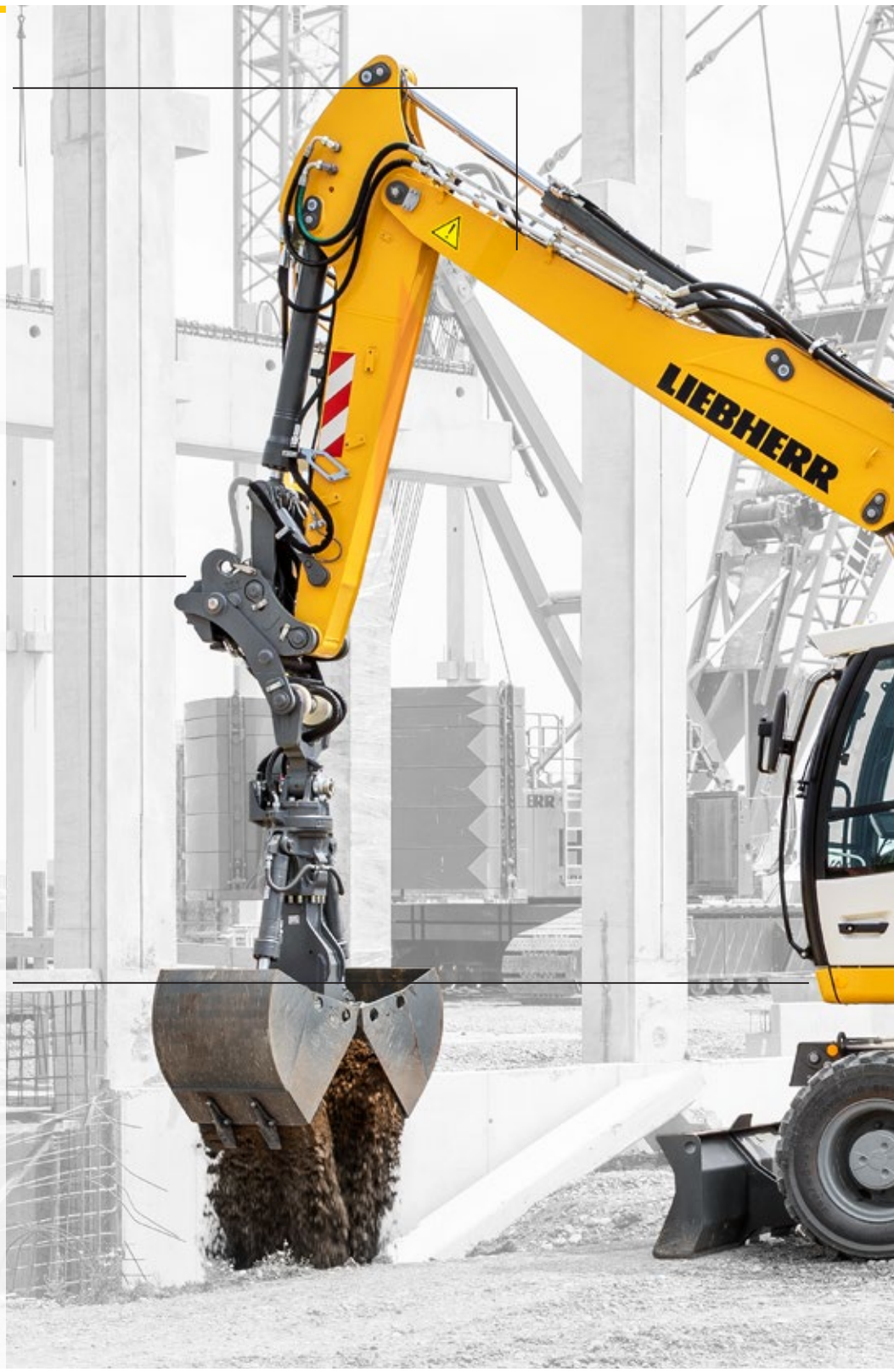
- Robust design made of high strength steel
- Various welded outrigger versions available
- Load holding valves on all outriggers
- Liebherr hydraulic cylinders with standard pipe fracture safety devices for lifting and stick cylinders
- Overload warning device
- Roll-over protection system (ROPS)
- Electronic lift limitation (optional)
- Integral travel drive protection
- Liebherr twin tires without intermediate ring (optional)
- Skyview 360° – Camera system

Superior Technology for Highest Economy

- Diesel engine with up to date emissions stage IV
- Emissions treatment system with SCR technology
- Liebherr-Power-Efficiency (LPE) – Liebherr's smart engine controller
- Load-sensing-control
- Liebherr quick coupling system LIKUFIX
- LiDAT – Liebherr's information system for the efficient management and evaluation of the fleet

Simplified Maintenance Concept for Maximum Productivity

- Service-enhanced machine structure with easy access to the maintenance points
- Fully automatic central lubrication system for uppercarriage, slewing ring and attachments
- Liebherr Hydraulic Plus – oil with an extended service life of up to 8,000 operating hours
- Highly qualified, experienced trained personnel provide competent care
- 24/7 Spare parts service with 24 hour deliveries



Ergonomic Operator's Work Station for Maximum Comfort

- High quality operator's seats in a range of versions
- Control console connected to the seat and ergonomic joysticks
- Folding control console, left
- Proportional control with 4-way mini-joystick
- Joystick steering (optional)
- Automatic air-conditioning system (optional)
- Information center – 7" large colour touchscreen
- Rear and side monitor
- Convenient radio control with hands-free kit
- Tool Control for working tools
- LED headlights (optional)
- Large windows
- Sliding two-piece windscreen

Perfect Combination for Highest Possible Performance

- Powerful 4-cylinder in-line engine with Common-Rail injection system
- Liebherr hydraulic system for high digging and breakout forces with combined, fluid movements
- Flexible configuration of the machine with various attachment and tool versions and options
- Equipment for large reach depths of up to 18 m (optional)
- Wide undercarriage measuring 2.75 m (optional)

Technical Data

Diesel Engine

Rating per SAE J1349	173 HP (129 kW) at 1,700 rpm
Model	Liebherr D924
Type	4 cylinder in-line
Bore/Stroke	4.1/5.2 in
Displacement	274.6 in^3
Engine operation	4-stroke diesel Common-Rail turbo-charged and after-cooled reduced emissions
Air cleaner	dry-type air cleaner with pre-cleaner, primary and safety elements
Engine idling	sensor controlled
Electrical system	
Voltage	24 V
Batteries	2 x 135 Ah/12 V
Alternator	three-phase current 28 V/140 A
Stage Tier 4f	
Harmful emissions values	in accordance with EPA/CARB-40CFR stage Tier 4f
Emission control	Liebherr-SCR technology
Option	Liebherr particle filter
Fuel tank	97.5 gal
Urea tank	12 gal

Cooling System

Diesel engine	water-cooled compact cooling system consisting cooling unit for water, hydraulic oil and charge air with step-less thermostatically controlled fan, fans for radiator cleaning can be completely folded away

Hydraulic Controls

Power distribution	via control valves with integrated safety valves, simultaneous and independent actuation of chassis, swing drive and attachment
Servo circuit	
Attachment and swing	with hydraulic pilot control and proportional joystick levers
Chassis	electroproportional via foot pedal
Additional functions	via switch or electroproportional foot pedals
Proportional control	proportionally acting transmitters on the joy-sticks for additional hydraulic functions

Hydraulic System

Hydraulic pump	
for attachment and travel drive	Liebherr axial piston variable displacement pump
Max. flow	103 gpm
Max. pressure	5,076 psi
Hydraulic pump regulation and control	Liebherr-Synchron-Comfort-system (LSC) with electronic engine speed sensing regulation, pressure and flow compensation, torque con-trolled swing drive priority
Hydraulic tank	41 gal
Hydraulic system	max. 92.5 gal
Hydraulic oil filter	1 main return filter with integrated partial micro filtration (5 µm)
MODE selection	adjustment of engine and hydraulic performance via a mode pre-selector to match application, e.g. for especially economical and environmen-tally friendly operation or for maximum digging performance and heavy-duty jobs
S (Sensitive)	mode for precision work and lifting through very sensitive movements
E (Eco)	mode for especially economical and environ-mentally friendly operation
P (Power)	mode for high performance with low fuel con-sumption
P+ (Power-Plus)	mode for highest performance and for very heavy duty applications, suitable for continuous operation
Engine speed and performance setting	stepless alignment of engine output and hydraulic power via engine speed
Option	Tool Control: 20 preadjustable pump flows and pressures for add on tools

Swing Drive

Drive	Liebherr axial piston motor with integrated brake valve and torque control, Liebherr plane-tary reduction gear
Swing ring	Liebherr, sealed race ball bearing swing ring, internal teeth
Swing speed	0 – 10.0 rpm stepless
Swing torque	39,828 lbf ft
Holding brake	wet multi-disc (spring applied, pressure released)
Option	pedal controlled positioning swing brake

Operator's Cab

Cab	ROPS safety cab structure (roll-over protection system) with individual windscreens or featuring a slide-in subpart under the ceiling, work headlights integrated in the ceiling, a door with a sliding window (can be opened on both sides), large stowing and depositing possibilities, shock-absorbing suspension, sounddamping insulating, tinted laminated safety glass, separate window shades for the sunroof window and windscreen
Operator's seat Standard	air cushioned operator's seat with 3D-adjustable armrests, headrest, lap belt, seat heater, manual weight adjustment, adjustable seat cushion inclination and length and mechanical lumbar vertebrae support
Operator's seat Comfort (Option)	in addition to operator's seat standard: lockable horizontal suspension, automatic weight adjustment, adjustable suspension stiffness, pneumatic lumbar vertebrae support and passive seat climatization with active coal
Operator's seat Premium (Option)	in addition to operator's seat comfort: active electronic weight adjustment (automatic re-adjustment), pneumatic low frequency suspension and active seat climatization with active coal and ventilator
Control system	joysticks with control consoles and swivel seat, folding left control console
Operation and displays	large high-resolution operating unit, selfexplanatory, color display with touchscreen, video-compatible, numerous setting, control and monitoring options, e.g. air conditioning control, fuel consumption, machine and tool parameters
Air-conditioning	automatic air-conditioning, recirculated air function, fast de-icing and demisting at the press of a button, air vents can be operated via a menu; recirculated air and fresh air filters can be easily replaced and are accessible from the outside; heating-cooling unit, designed for extreme outside temperatures, sensors for solar radiation, inside and outside temperatures (country-dependent)

Undercarriage

Drive	oversized two speed power shift transmission with additional creeper speed, Liebherr axial piston motor with functional brake valve on both sides
Pulling force	28,551 lbf
Travel speed	0 – 2.2 mph stepless (creeper speed off-road) 0 – 4.3 mph stepless (off-road) 0 – 8.1 mph stepless (creeper speed on-road) 0 – 12.4 mph stepless (road travel) 0 – max. 15.5 or 18.6 mph Speeder (Option)
Driving operation	automotive driving using accelerator pedal, cruise control function: storage of variable accelerator pedal positions, both off-road and on-road
Axles	manual or automatic hydraulically controlled front axle oscillation lock
Service brake	two circuit travel brake system with accumulator; wet and backlash-free disc brake
Automatic digging brake	works automatically when driving off (accelerator pedal actuation) and when the machine is stationary (engagement); the digging brake engages automatically – can be coupled with automatic swing axle lock
Holding brake	wet multi-disc (spring applied, pressure released)
Stabilization	stabilizing blade rear (adjustable during travel for dozing) stabilizing blade rear + 2 point outriggers front stabilizing blade front + 2 point outriggers rear 4 point outriggers
Option	EW-undercarriage 9'

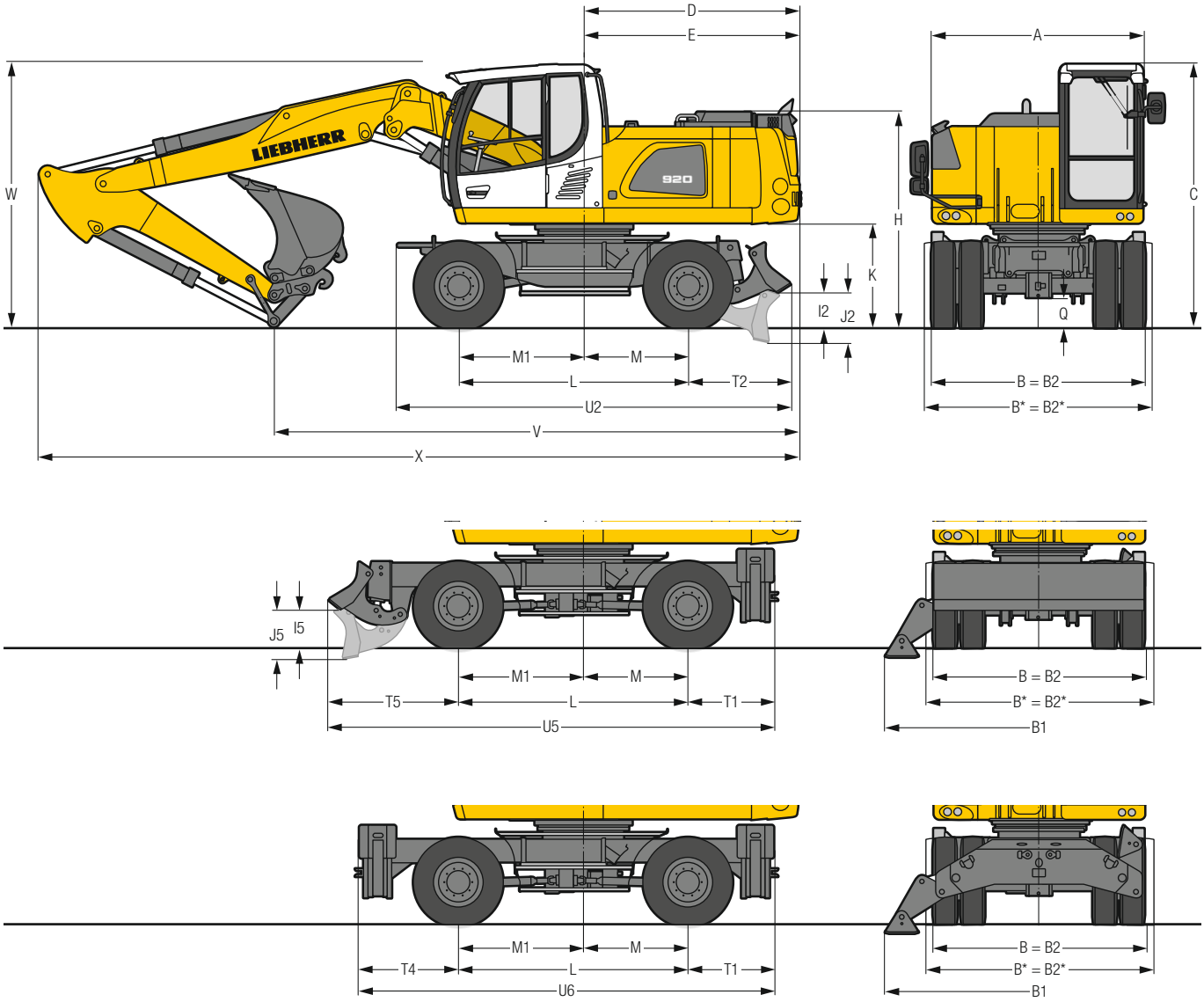
Attachment

Type	high-strength steel plates at highlystressed points for the toughest requirements. Complex and stable mountings of attachment and cylinders
Hydraulic cylinders	Liebherr cylinders with special seal system as well as shock absorption
Bearings	sealed, low maintenance

Complete Machine

Lubrication	Liebherr central lubrication system for upperstructure and attachment, automatically
Noise emission	
ISO 6396	L_{pA} (inside cab) = 71 dB(A)
2000/14/EC	L_{WA} (surround noise) = 101 dB(A)

Dimensions


D
E
A
W
LIEBHERR
920
H
C
K
I2
J2
Q
M1
M
L
T2
U2
V
X
B = B2
B* = B2*
J5
I5
T5
U5
B1
T4
U6

	ft in
A	8' 3"
B	8' 4"
B*	9'
B1	12' 1"
B2	8' 4"
B2*	9'
C	10'4"/10' 5"[1)]
D	8' 6"
E	8' 6"
H	8'5"/8' 6"[1)]
I2	1' 5"
I5	1' 6"
J2	2'
J5	1'11"
K	4'/4' [1)]
L	9'
M	4' 1"
M1	4'11"
Q	1'2"/1' 2"[1)]
T1	3' 5"
T2	4'
T4	3'11"
T5	5' 1"
U2	15' 6"
U5	17' 9"
U6	16' 8"

* EW-Undercarriage

[1)] Undercarriage version stabilizer blade rear

E = Tail radius

Tires 10.00-20

	Stick	**Two-piece boom 17'9"**			**Mono boom 18'4"**		
		Stabilizer blade	Blade + 2 pt. outriggers	4 pt. outriggers	Stabilizer blade	Blade + 2 pt. outriggers	4 pt. outriggers
	ft in	ft in	ft in	ft in	ft in	ft in	ft in
V	7'5"	22'	22'	22'	21'10"	21'10"	21'10"
	8'	20' 8"	20'10"	20'10"	20'10"	20'10"	20'10"
	8'8"	20' 4"	22'*	20' 4"	20' 6"	20' 6"	20' 6"
	10'	18'10"	20' 6"*	19' 6"*	18' 8"	20' 4"*	19' 4"*
W	7'5"	10' 4"	10' 4"	10' 4"	10'10"	10'10"	10'10"
	8'	10' 4"	10' 4"	10' 4"	10'10"	10'10"	10'10"
	8'8"	10' 6"	10' 6"*	10' 6"	11'	11'	11'
	10'	10' 6"	10' 6"*	10' 6"*	11'	11'*	11'*
X	7'5"	29'10"	29'10"	29'10"	30' 4"	30' 4"	30' 4"
	8'	30'	30'	30'	30' 4"	30' 4"	30' 4"
	8'8"	30'	31' 6"*	30'	30' 4"	30' 4"	30' 4"
	10'	29'10"	31' 6"*	30' 4"*	30' 4"	31'10"*	30'10"*

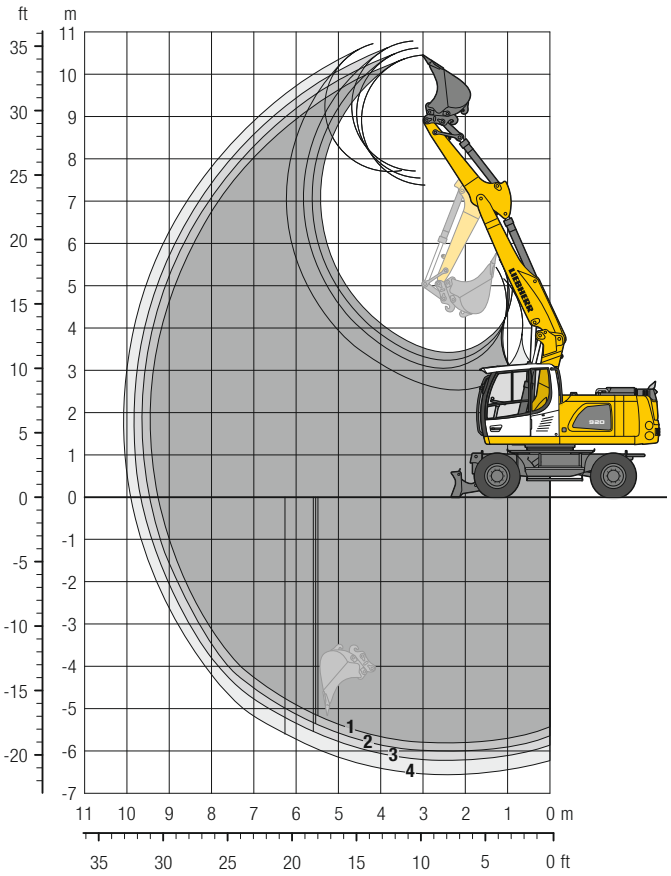
	Stick	**Offset two-piece boom 17'11"**		
		Stabilizer blade	Blade + 2 pt. outriggers	4 pt. outriggers
	ft in	ft in	ft in	ft in
V	7'5"	21'10"	21'10"	21'10"
	8'	20' 8"	20' 8"	20' 8"
	8'8"	20' 2"	20' 2"	20' 2"
	10'	18' 8"	20' 4"*	19' 2"*
W	7'5"	10' 6"	10' 6"	10' 6"
	8'	10' 4"	10' 4"	10' 4"
	8'8"	10' 6"	10' 6"	10' 6"
	10'	10' 6"	10' 6"*	10' 6"
X	7'5"	30' 2"	30' 2"	30' 2"
	8'	30' 2"	30' 2"	30' 2"
	8'8"	30' 2"	30' 2"	30' 2"
	10'	30' 2"	31' 8"*	30' 8"*

Dimensions are with attachment over steering axle

* Attachment over digging axle for shorter transport dimensions

W = Max. ground clearance including approx. 6" piping

Backhoe Bucket
with Two-Piece Boom 17'9"



Digging Envelope

with quick coupler		1	2	3	4
Stick length	ft in	7'5"	8'	8' 8"	10'
Max. digging depth	ft in	19'2"	19'10"	20' 6"	21'8"
Max. reach at ground level	ft in	30'6"	31' 2"	31'10"	32'6"
Max. dumping height	ft in	24'3"	24' 9"	25' 3"	25'5"
Max. teeth height	ft in	34'5"	34'11"	35' 5"	35'3"
Min. attachment radius	ft in	9'3"	9' 5"	9' 8"	8'4"

Digging Forces

without quick coupler		1	2	3	4
Max. digging force (ISO 6015)	lbf	22,189	20,817	19,603	17,580
	lb	22,267	20,723	19,621	17,637
Max. breakout force (ISO 6015)	lbf	28,011	28,011	28,011	28,011
	lb	27,999	27,999	27,999	27,999

Max. breakout force with ripper bucket 35,273 lbf (35,274 lb)

Operating Weight

The operating weight includes the basic machine with 8 tires plus intermediate rings, two-piece boom 17'9", stick 8', quick coupler SWA 48 and bucket 41.3"/1.05 yd³.

Undercarriage versions	Weight (lb)
A 920 Litronic with stabilizer blade	41,700
A 920 Litronic with stabilizer blade + 2 pt. outriggers	45,900
A 920 Litronic with 4 pt. outriggers	45,900
A 920 EW Litronic with stabilizer blade	42,100
A 920 EW Litronic with stabilizer blade + 2 pt. outriggers	46,100

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

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised				Stabilizer blade down				Stabilizer blade + 2 pt. outriggers down				4 point outriggers down				EW Stabilizers raised				EW Stabilizer blade down				EW Stabilizer blade + 2 pt. outriggers down			
			Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)			
in	yd³	lb	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'
25.6"[2]	0.72	1,124	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
33.5"[2]	0.78	1,213	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
41.3"[2]	1.05	1,389	■	■	△	△	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
49.2"[2]	1.31	1,609	△	–	–	–	△	△	△	–	■	■	■	■	■	■	■	■	△	△	△	–	■	■	△	△	■	■	■	■
55.1"[2]	1.50	1,742	–	–	–	–	△	–	–	–	■	■	■	■	■	■	■	■	△	–	–	–	△	△	△	–	■	■	■	■
25.6"[3]	0.72	1,257	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
33.5"[3]	0.78	1,367	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
41.3"[3]	1.05	1,565	■	△	△	△	■	■	■	△	■	■	■	■	■	■	■	■	■	■	■	△	■	■	■	■	■	■	■	■
49.2"[3]	1.31	1,808	–	–	–	–	△	△	–	–	■	■	■	■	■	■	■	■	△	△	△	–	■	■	△	△	■	■	■	■
55.1"[3]	1.50	1,940	–	–	–	–	–	–	–	–	■	■	■	■	■	■	■	■	–	–	–	–	△	△	–	–	■	■	■	■
25.6"[4]	0.78	1,168	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
33.5"[4]	0.85	1,301	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
41.3"[4]	1.11	1,477	■	△	△	–	■	■	■	△	■	■	■	■	■	■	■	■	■	■	■	△	■	■	■	■	■	■	■	■
49.2"[4]	1.37	1,698	–	–	–	–	△	△	–	–	■	■	■	■	■	■	■	■	△	△	–	–	■	△	△	△	■	■	■	■
55.1"[4]	1.57	1,852	–	–	–	–	–	–	–	–	■	■	■	■	■	■	■	■	–	–	–	–	△	△	–	–	■	■	■	■

* 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 ■ = ≤ 3,034 lb/yd³, ■ = ≤ 2,528 lb/yd³, △ = ≤ 2,023 lb/yd³, – = not authorized

Lift Capacities

with Two-Piece Boom 17'9"

Stick 7'5"

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised											
	Stabilizer blade down											
	Blade + 2 pt. outr. down											
	4 pt. outriggers down											
25	Stabilizers raised			11,0	11,8*					7,6	7,7*	18' 4"
	Stabilizer blade down			11,8*	11,8*					7,7*	7,7*	
	Blade + 2 pt. outr. down			11,8*	11,8*					7,7*	7,7*	
	4 pt. outriggers down			11,8*	11,8*					7,7*	7,7*	
20	Stabilizers raised			10,9	12,7*	6,8	11,1			5,1	6,9*	22' 7"
	Stabilizer blade down			12,0	12,7*	7,4	11,4*			5,7	6,9*	
	Blade + 2 pt. outr. down			12,7*	12,7*	11,2	11,4*			6,9*	6,9*	
	4 pt. outriggers down			12,7*	12,7*	11,4*	11,4*			6,9*	6,9*	
15	Stabilizers raised	17,1*	17,1*	10,6	16,2*	6,9	11,2	4,2	7,3	4,1	6,6*	25' 2"
	Stabilizer blade down	17,1*	17,1*	11,6	16,2*	7,6	13,6*	4,6	7,3*	4,6	6,6*	
	Blade + 2 pt. outr. down	17,1*	17,1*	16,2*	16,2*	11,3	13,6*	7,4*	7,4*	6,6*	6,6*	
	4 pt. outriggers down	17,1*	17,1*	16,2*	16,2*	13,1	13,6*	7,4*	7,4*	6,6*	6,6*	
10	Stabilizers raised	18,4	28,9*	10,2	16,7	6,8	11,0	4,1	7,3	3,6	6,5	26' 6"
	Stabilizer blade down	20,4	28,9*	11,2	19,5*	7,5	14,8*	4,6	11,8*	4,0	6,7*	
	Blade + 2 pt. outr. down	28,9*	28,9*	16,8	19,5*	11,1	14,8*	7,4	11,8*	6,6	6,7*	
	4 pt. outriggers down	28,9*	28,9*	19,5*	19,5*	12,9	14,8*	8,8	11,8*	6,7*	6,7*	
5	Stabilizers raised	17,9	28,5*	10,0	16,5	6,6	11,0	4,0	7,1	3,3	6,2	26'10"
	Stabilizer blade down	19,9	28,5*	11,0	21,9*	7,3	15,9*	4,4	12,5	3,8	7,2*	
	Blade + 2 pt. outr. down	28,5*	28,5*	16,6	21,9*	11,1	15,8*	7,2	12,5*	6,3	7,2*	
	4 pt. outriggers down	28,5*	28,5*	19,4	21,9*	12,8	15,8*	8,6	12,5*	7,2*	7,2*	
0	Stabilizers raised	17,3	32,1*	9,6	16,6	6,1	10,5	3,7	6,9	3,4	6,3	26' 2"
	Stabilizer blade down	19,4	32,7*	10,6	22,3*	6,7	16,2*	4,2	12,3	3,8	8,0*	
	Blade + 2 pt. outr. down	31,7	32,7*	16,7	22,3*	10,6	16,1*	7,0	12,3*	6,4	8,0*	
	4 pt. outriggers down	32,7*	32,7*	19,5	22,3*	12,6	16,1*	8,4	12,3*	7,7	8,0*	
– 5	Stabilizers raised	16,3	33,0	9,1	16,3	5,5	9,9			3,7	6,9	24' 5"
	Stabilizer blade down	18,3	36,4*	10,1	22,7*	6,1	16,5*			4,2	9,6*	
	Blade + 2 pt. outr. down	32,5	36,3*	16,3	22,6*	10,0	16,4*			7,0	9,7*	
	4 pt. outriggers down	36,3*	36,3*	19,9	22,6*	12,0	16,4*			8,5	9,7*	
–10	Stabilizers raised	16,1	32,8	8,3	15,4	5,1	9,5			4,6	8,5	21' 4"
	Stabilizer blade down	18,1	37,7*	9,3	22,8*	5,8	12,9*			5,2	9,8*	
	Blade + 2 pt. outr. down	32,1	37,6*	15,4	22,7*	9,6	12,8*			8,6	9,7*	
	4 pt. outriggers down	37,6*	37,6*	18,9	22,7*	11,6	12,8*			9,7*	9,7*	
–15	Stabilizers raised	15,4	24,1*							11,9	18,4*	11'10"
	Stabilizer blade down	17,4	24,1*							13,3	18,4*	
	Blade + 2 pt. outr. down	23,8*	23,8*							18,3*	18,3*	
	4 pt. outriggers down	23,8*	23,8*							18,3*	18,3*	

Stick 8'

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised											
	Stabilizer blade down											
	Blade + 2 pt. outr. down											
	4 pt. outriggers down											
25	Stabilizers raised			11,1	11,2*					7,0	7,0*	19' 4"
	Stabilizer blade down			11,2*	11,2*					7,0*	7,0*	
	Blade + 2 pt. outr. down			11,2*	11,2*					7,0*	7,0*	
	4 pt. outriggers down			11,2*	11,2*					7,0*	7,0*	
20	Stabilizers raised			11,0	11,6*	6,9	10,9*			4,8	6,3*	23' 5"
	Stabilizer blade down			11,6*	11,6*	7,5	10,9*			5,3	6,3*	
	Blade + 2 pt. outr. down			11,6*	11,6*	10,9*	10,9*			6,3*	6,3*	
	4 pt. outriggers down			11,6*	11,6*	10,9*	10,9*			6,3*	6,3*	
15	Stabilizers raised			10,6	14,3*	6,9	11,1	4,2	7,4	3,9	6,0*	25'11"
	Stabilizer blade down			11,6	14,3*	7,5	13,2*	4,7	8,6*	4,3	6,0*	
	Blade + 2 pt. outr. down			14,3*	14,3*	11,3	13,2*	7,5	8,6*	6,0*	6,0*	
	4 pt. outriggers down			14,3*	14,3*	13,1	13,2*	8,6*	8,6*	6,0*	6,0*	
10	Stabilizers raised	18,4	29,5*	10,2	16,7	6,8	11,0	4,2	7,4	3,4	6,1*	27' 2"
	Stabilizer blade down	20,4	29,5*	11,2	19,0*	7,4	14,5*	4,7	11,9*	3,8	6,1*	
	Blade + 2 pt. outr. down	29,4*	29,4*	16,8	19,0*	11,1	14,5*	7,5	11,9*	6,1*	6,1*	
	4 pt. outriggers down	29,4*	29,4*	19,0*	19,0*	12,8	14,5*	8,9	11,9*	6,1*	6,1*	
5	Stabilizers raised	17,8	28,2*	9,9	16,4	6,7	10,9	4,0	7,2	3,2	5,9	27' 6"
	Stabilizer blade down	19,8	28,2*	10,9	21,6*	7,3	15,7*	4,5	12,4	3,6	6,5*	
	Blade + 2 pt. outr. down	28,2*	28,2*	16,5	21,5*	11,0	15,6*	7,3	12,4*	6,0	6,5*	
	4 pt. outriggers down	28,2*	28,2*	19,3	21,5*	12,7	15,6*	8,7	12,4*	6,5*	6,5*	
0	Stabilizers raised	17,4	31,9	9,7	16,5	6,2	10,6	3,7	6,9	3,2	6,0	26'10"
	Stabilizer blade down	19,5	32,0*	10,7	22,2*	6,8	16,0*	4,2	12,3	3,6	7,2*	
	Blade + 2 pt. outr. down	31,5	31,9*	16,5	22,1*	10,7	16,0*	7,0	12,4*	6,1	7,2*	
	4 pt. outriggers down	31,9*	31,9*	19,3	22,1*	12,7	16,0*	8,4	12,4*	7,2*	7,2*	
– 5	Stabilizers raised	16,3	32,8	9,0	16,2	5,5	9,9	3,5	6,7	3,5	6,6	25' 1"
	Stabilizer blade down	18,3	36,1*	10,0	22,5*	6,1	16,3*	4,0	9,5*	3,9	8,6*	
	Blade + 2 pt. outr. down	32,3	36,0*	16,3	22,4*	10,0	16,3*	6,7	9,5*	6,7	8,6*	
	4 pt. outriggers down	36,0*	36,0*	19,8	22,4*	12,0	16,3*	8,1	9,5*	8,1	8,6*	
–10	Stabilizers raised	16,0	32,6	8,4	15,4	5,1	9,5			4,3	8,0	22' 2"
	Stabilizer blade down	18,0	37,3*	9,3	23,1*	5,7	14,1*			4,8	9,6*	
	Blade + 2 pt. outr. down	32,0	37,2*	15,4	23,0*	9,5	14,0*			8,1	9,5*	
	4 pt. outriggers down	37,2*	37,2*	18,9	23,0*	11,6	14,0*			9,5*	9,5*	
–15	Stabilizers raised	15,3	27,6*							8,5	14,1*	14' 5"
	Stabilizer blade down	17,3	27,6*							9,6	14,1*	
	Blade + 2 pt. outr. down	27,3*	27,3*							14,1*	14,1*	
	4 pt. outriggers down	27,3*	27,3*							14,1*	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 lift hook of the Liebherr quick coupler SWA 48 without working tool 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 based on 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 lift hook on the quick coupler (max. 26,500 lb). Without the quick coupler, lift capacities will increase by up to 500 lb.

Lift Capacities
with Two-Piece Boom 17'9"

Stick 8'8"

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised									8,4*	8,4*	13' 4"
	Stabilizer blade down									8,4*	8,4*	
	Blade + 2 pt. outr. down									8,4*	8,4*	
	4 pt. outriggers down									8,4*	8,4*	
25	Stabilizers raised					6,6	6,9*			6,4*	6,4*	20' 2"
	Stabilizer blade down					6,9*	6,9*			6,4*	6,4*	
	Blade + 2 pt. outr. down					6,9*	6,9*			6,4*	6,4*	
	4 pt. outriggers down					6,9*	6,9*			6,4*	6,4*	
20	Stabilizers raised			10,5*	10,5*	7,0	10,4*			4,5	5,7*	24' 2"
	Stabilizer blade down			10,5*	10,5*	7,6	10,4*			5,0	5,7*	
	Blade + 2 pt. outr. down			10,5*	10,5*	10,4*	10,4*			5,7*	5,7*	
	4 pt. outriggers down			10,5*	10,5*	10,4*	10,4*			5,7*	5,7*	
15	Stabilizers raised			10,6	12,6*	6,9	11,1	4,3	7,5	3,7	5,5*	26' 7"
	Stabilizer blade down			11,6	12,6*	7,5	12,2*	4,8	9,0*	4,1	5,5*	
	Blade + 2 pt. outr. down			12,6*	12,6*	11,2	12,3*	7,6	9,0*	5,5*	5,5*	
	4 pt. outriggers down			12,6*	12,6*	12,3*	12,3*	8,9	9,0*	5,5*	5,5*	
10	Stabilizers raised	18,4	29,3*	10,1	16,7	6,7	10,9	4,3	7,4	3,2	5,6*	27'10"
	Stabilizer blade down	20,5	29,3*	11,1	18,4*	7,4	14,2*	4,7	11,7*	3,6	5,6*	
	Blade + 2 pt. outr. down	29,3*	29,3*	16,8	18,4*	11,0	14,2*	7,5	11,7*	5,6*	5,6*	
	4 pt. outriggers down	29,3*	29,3*	18,4*	18,4*	12,8	14,2*	8,9	11,7*	5,6*	5,6*	
5	Stabilizers raised	17,7	28,1*	9,8	16,3	6,7	10,8	4,1	7,2	3,0	5,7	28' 1"
	Stabilizer blade down	19,8	28,1*	10,9	21,3*	7,3	15,5*	4,5	12,3*	3,4	5,9*	
	Blade + 2 pt. outr. down	28,1*	28,1*	16,4	21,2*	10,9	15,4*	7,3	12,3*	5,8	5,9*	
	4 pt. outriggers down	28,1*	28,1*	19,2	21,2*	12,6	15,4*	8,7	12,3*	5,9*	5,9*	
0	Stabilizers raised	17,5	31,3*	9,7	16,4	6,3	10,6	3,8	6,9	3,0	5,8	27' 6"
	Stabilizer blade down	19,6	31,3*	10,7	22,1*	6,9	15,9*	4,2	12,3	3,4	6,5*	
	Blade + 2 pt. outr. down	31,3*	31,3*	16,4	22,0*	10,8	15,9*	7,0	12,4*	5,8	6,5*	
	4 pt. outriggers down	31,3*	31,3*	19,2	22,0*	12,7	15,9*	8,4	12,4*	6,5*	6,5*	
– 5	Stabilizers raised	16,3	32,5	9,0	16,2	5,6	10,0	3,5	6,6	3,3	6,3	25'10"
	Stabilizer blade down	18,3	35,6*	10,0	22,3*	6,2	16,2*	4,0	11,2*	3,7	7,7*	
	Blade + 2 pt. outr. down	32,1	35,5*	16,3	22,2*	10,1	16,1*	6,7	11,2*	6,3	7,7*	
	4 pt. outriggers down	35,5*	35,5*	19,7	22,2*	12,1	16,1*	8,1	11,2*	7,7	7,7*	
–10	Stabilizers raised	15,9	32,5	8,4	15,5	5,1	9,5			4,0	7,5	23'
	Stabilizer blade down	17,9	36,9*	9,4	23,2*	5,7	14,9*			4,5	9,4*	
	Blade + 2 pt. outr. down	31,9	36,8*	15,5	23,1*	9,5	14,8*			7,6	9,4*	
	4 pt. outriggers down	36,8*	36,8*	19,0	23,1*	11,6	14,8*			9,2	9,4*	
–15	Stabilizers raised	15,3	30,5*	7,9	15,0					6,9	12,0*	16' 4"
	Stabilizer blade down	17,3	30,5*	8,9	15,3*					7,8	12,0*	
	Blade + 2 pt. outr. down	30,3*	30,3*	15,0	15,1*					11,9*	11,9*	
	4 pt. outriggers down	30,3*	30,3*	15,1*	15,1*					11,9*	11,9*	

Stick 10'

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised									6,4*	6,4*	14' 5"
	Stabilizer blade down									6,4*	6,4*	
	Blade + 2 pt. outr. down									6,4*	6,4*	
	4 pt. outriggers down									6,4*	6,4*	
25	Stabilizers raised					6,5*	6,5*			5,2*	5,2*	21'
	Stabilizer blade down					6,5*	6,5*			5,2*	5,2*	
	Blade + 2 pt. outr. down					6,5*	6,5*			5,2*	5,2*	
	4 pt. outriggers down					6,5*	6,5*			5,2*	5,2*	
20	Stabilizers raised					7,0	8,9*			4,4	4,8*	24'10"
	Stabilizer blade down					7,7	8,9*			4,8*	4,8*	
	Blade + 2 pt. outr. down					9,0*	9,0*			4,8*	4,8*	
	4 pt. outriggers down					9,0*	9,0*			4,8*	4,8*	
15	Stabilizers raised			10,7	11,2*	6,9	10,8*	4,4	7,5	3,5	4,7*	27' 1"
	Stabilizer blade down			11,2*	11,2*	7,5	10,8*	4,9	8,0*	4,0	4,7*	
	Blade + 2 pt. outr. down			11,2*	11,2*	10,8*	10,8*	7,6	8,0*	4,7*	4,7*	
	4 pt. outriggers down			11,2*	11,2*	10,8*	10,8*	8,0*	8,0*	4,7*	4,7*	
10	Stabilizers raised	18,6	26,4*	10,1	16,7	6,7	10,9	4,3	7,4	3,1	4,9*	28' 5"
	Stabilizer blade down	20,6	26,4*	11,1	17,4*	7,3	13,6*	4,8	10,4*	3,5	4,9*	
	Blade + 2 pt. outr. down	26,5*	26,5*	16,8	17,4*	11,0	13,6*	7,5	10,4*	4,9*	4,9*	
	4 pt. outriggers down	26,5*	26,5*	17,4*	17,4*	12,7	13,6*	8,9	10,4*	4,9*	4,9*	
5	Stabilizers raised	17,7	29,2*	9,8	16,2	6,5	10,7	4,1	7,2	2,8	5,2*	28' 8"
	Stabilizer blade down	19,7	29,2*	10,8	20,5*	7,2	15,0*	4,6	12,1*	3,2	5,2*	
	Blade + 2 pt. outr. down	29,2*	29,2*	16,3	20,5*	10,8	15,0*	7,3	12,0*	5,2*	5,2*	
	4 pt. outriggers down	29,2*	29,2*	19,1	20,5*	12,5	15,0*	8,7	12,0*	5,2*	5,2*	
0	Stabilizers raised	17,5	31,0*	9,7	16,2	6,3	10,7	3,8	6,9	2,8	5,5	28'
	Stabilizer blade down	19,5	31,0*	10,7	21,9*	6,9	15,8*	4,2	12,2	3,2	5,9*	
	Blade + 2 pt. outr. down	31,0	31,0*	16,2	21,8*	10,8	15,7*	7,0	12,2*	5,6	5,9*	
	4 pt. outriggers down	31,0*	31,0*	19,0	21,8*	12,5	15,7*	8,4	12,2*	5,9*	5,9*	
– 5	Stabilizers raised	16,3	32,0	9,0	16,2	5,6	10,0	3,4	6,6	3,0	5,9	26' 5"
	Stabilizer blade down	18,4	34,8*	10,0	22,1*	6,2	15,9*	3,9	11,7*	3,5	7,2*	
	Blade + 2 pt. outr. down	31,6	34,7*	16,3	22,0*	10,1	15,8*	6,7	11,7*	6,0	7,2*	
	4 pt. outriggers down	34,7*	34,7*	19,3	22,0*	12,1	15,8*	8,1	11,7*	7,2*	7,2*	
–10	Stabilizers raised	15,7	32,4	8,4	15,5	5,0	9,3			3,6	7,0	23' 7"
	Stabilizer blade down	17,7	36,3*	9,4	22,7*	5,6	15,6*			4,1	9,8*	
	Blade + 2 pt. outr. down	31,8	36,2*	15,5	22,6*	9,4	15,5*			7,1	9,8*	
	4 pt. outriggers down	36,2*	36,2*	19,0	22,6*	11,4	15,5*			8,6	9,8*	
–15	Stabilizers raised	14,9	31,3	7,7	14,7					5,4	9,9*	18' 7"
	Stabilizer blade down	16,9	33,4*	8,6	18,0*					6,1	9,9*	
	Blade + 2 pt. outr. down	30,7	33,2*	14,7	17,9*					9,9*	9,9*	
	4 pt. outriggers down	33,2*	33,2*	17,9*	17,9*					9,9*	9,9*	

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

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool 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 based on 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 lift hook on the quick coupler (max. 26,500 lb). Without the quick coupler, lift capacities will increase by up to 500 lb.

Lift Capacities

with Two-Piece Boom 17'9", EW-Undercarriage

Stick 7'5"

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down											
25	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			11,8* 11,8* 11,8*	11,8* 11,8* 11,8*					7,7* 7,7* 7,7*	7,7* 7,7* 7,7*	18' 4"
20	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			12,0 12,7* 12,7*	12,7* 12,7* 12,7*	7,4 8,2 11,4*	11,2 11,4* 11,4*			5,7 6,3 6,9*	6,9* 6,9* 6,9*	22' 7"
15	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	17,1* 17,1* 17,1*	17,1* 17,1* 17,1*	11,6 12,8 16,2*	16,2* 16,2* 16,2*	7,6 8,3 11,7	11,2 13,6* 13,6*	4,7 5,2 7,4*	7,3* 7,3* 7,4*	4,6 5,1 6,6*	6,6* 6,6* 6,6*	25' 2"
10	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	20,5 22,6 28,9*	28,9* 28,9* 28,9*	11,2 12,4 17,5	16,9 19,5* 19,5*	7,5 8,3 11,6	11,1 14,8* 14,8*	4,6 5,2 7,8	7,4 11,8* 11,8*	4,0 4,5 6,7*	6,5 6,7* 6,7*	26' 6"
5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	20,0 22,1 28,5*	28,5* 28,5* 28,5*	11,0 12,2 17,3	16,6 21,9* 21,9*	7,3 8,0 11,6	11,1 15,9* 15,8*	4,5 5,0 7,6	7,2 12,6 12,5*	3,8 4,2 6,6	6,3 7,2* 7,2*	26'10"
0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	19,5 21,9 32,7*	32,4 32,7* 32,7*	10,7 11,8 17,4	16,7 22,3* 22,3*	6,7 7,4 11,1	10,6 16,2* 16,1*	4,2 4,7 7,3	7,0 12,4 12,3*	3,8 4,3 6,7	6,4 8,0* 8,0*	26' 2"
– 5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	18,4 20,8 34,2	33,3 36,4* 36,3*	10,1 11,2 17,2	16,4 22,7* 22,6*	6,1 6,8 10,5	10,0 16,5* 16,4*			4,2 4,7 7,4	7,0 9,6* 9,7*	24' 5"
–10	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	18,2 20,6 34,4	33,1 37,7* 37,6*	9,3 10,4 16,2	15,5 22,8* 22,7*	5,8 6,5 10,1	9,6 12,9* 12,8*			5,2 5,8 9,1	8,6 9,8* 9,7*	21' 4"
–15	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	17,5 19,9 23,8*	24,1* 24,1* 23,8*							13,4 15,1 18,3*	18,4* 18,4* 18,3*	11'10"

Stick 8'

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down											
25	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			11,2* 11,2* 11,2*	11,2* 11,2* 11,2*					7,0* 7,0* 7,0*	7,0* 7,0* 7,0*	19' 4"
20	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			11,6* 11,6* 11,6*	11,6* 11,6* 11,6*	7,5 8,3 10,9*	10,9* 10,9* 10,9*			5,4 5,9 6,3*	6,3* 6,3* 6,3*	23' 5"
15	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			11,7 12,8 14,3*	14,3* 14,3* 14,3*	7,6 8,3 11,7	11,2 13,2* 13,2*	4,7 5,2 7,9	7,5 8,6* 8,6*	4,3 4,8 6,0*	6,0* 6,0* 6,0*	25'11"
10	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	20,5 22,6 29,4*	29,5* 29,5* 29,4*	11,2 12,4 17,5	16,8 19,0* 19,0*	7,5 8,2 11,5	11,0 14,5* 14,5*	4,7 5,2 7,8	7,4 11,9* 11,9*	3,8 4,3 6,1*	6,1* 6,1* 6,1*	27' 2"
5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	19,9 22,0 28,2*	28,2* 28,2* 28,2*	11,0 12,1 17,2	16,5 21,6* 21,5*	7,4 8,1 11,5	11,0 15,7* 15,6*	4,5 5,0 7,7	7,3 12,5* 12,4*	3,6 4,0 6,3	6,0 6,5* 6,5*	27' 6"
0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	19,6 22,0 31,9*	32,0* 32,0* 31,9*	10,7 11,8 17,3	16,6 22,2* 22,1*	6,8 7,5 11,2	10,7 16,0* 16,0*	4,2 4,7 7,4	7,0 12,4 12,4*	3,6 4,1 6,4	6,1 7,2* 7,2*	26'10"
– 5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	18,4 20,8 33,9	33,0 36,1* 36,0*	10,1 11,2 17,2	16,4 22,5* 22,4*	6,2 6,9 10,5	10,0 16,3* 16,3*	4,0 4,5 7,1	6,7 9,5* 9,5*	4,0 4,5 7,0	6,7 8,6* 8,6*	25' 1"
–10	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	18,1 20,5 34,2	32,9 37,3* 37,2*	9,4 10,5 16,3	15,6 23,1* 23,0*	5,8 6,5 10,1	9,6 14,1* 14,0*			4,8 5,4 8,5	8,1 9,6* 9,5*	22' 2"
–15	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	17,4 19,8 27,3*	27,6* 27,6* 27,3*							9,6 10,8 14,1*	14,1* 14,1* 14,1*	14' 5"

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

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool 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 based on 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 lift hook on the quick coupler (max. 26,500 lb). Without the quick coupler, lift capacities will increase by up to 500 lb.

Lift Capacities

with Two-Piece Boom 17'9", EW-Undercarriage

Stick 8'8"

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised									8,4*	8,4*	
	Stabilizer blade down									8,4*	8,4*	13' 4"
	Blade + 2 pt. outr. down									8,4*	8,4*	
25	Stabilizers raised					6,9*	6,9*			6,4*	6,4*	
	Stabilizer blade down					6,9*	6,9*			6,4*	6,4*	20' 2"
	Blade + 2 pt. outr. down					6,9*	6,9*			6,4*	6,4*	
20	Stabilizers raised			10,5*	10,5*	7,6	10,4*			5,1	5,7*	
	Stabilizer blade down			10,5*	10,5*	8,3	10,4*			5,6	5,7*	24' 2"
	Blade + 2 pt. outr. down			10,5*	10,5*	10,4*	10,4*			5,7*	5,7*	
15	Stabilizers raised			11,7	12,6*	7,6	11,2	4,8	7,5	4,1	5,5*	
	Stabilizer blade down			12,6	12,6*	8,3	12,2*	5,3	9,0*	4,6	5,5*	26' 7"
	Blade + 2 pt. outr. down			12,6*	12,6*	11,7	12,3*	7,9	9,0*	5,5*	5,5*	
10	Stabilizers raised	20,6	29,3*	11,2	16,8	7,4	11,0	4,8	7,5	3,6	5,6*	
	Stabilizer blade down	22,6	29,3*	12,3	18,4*	8,1	14,2*	5,3	11,7*	4,1	5,6*	27'10"
	Blade + 2 pt. outr. down	29,3*	29,3*	17,5	18,4*	11,5	14,2*	7,9	11,7*	5,6*	5,6*	
5	Stabilizers raised	19,8	28,1*	10,9	16,4	7,4	10,9	4,6	7,3	3,4	5,7	
	Stabilizer blade down	21,9	28,1*	12,0	21,3*	8,1	15,5*	5,1	12,3*	3,8	5,9*	28' 1"
	Blade + 2 pt. outr. down	28,1*	28,1*	17,1	21,2*	11,4	15,4*	7,7	12,3*	5,9*	5,9*	
0	Stabilizers raised	19,7	31,3*	10,7	16,5	6,9	10,7	4,3	7,0	3,4	5,8	
	Stabilizer blade down	21,9	31,3*	11,9	22,1*	7,7	15,9*	4,8	12,4	3,9	6,5*	27' 6"
	Blade + 2 pt. outr. down	31,3*	31,3*	17,1	22,0*	11,3	15,9*	7,4	12,4*	6,2	6,5*	
– 5	Stabilizers raised	18,4	32,7	10,0	16,4	6,2	10,1	4,0	6,7	3,7	6,3	
	Stabilizer blade down	20,8	35,6*	11,2	22,3*	6,9	16,2*	4,5	11,2*	4,2	7,7*	25'10"
	Blade + 2 pt. outr. down	33,6	35,5*	17,2	22,2*	10,6	16,1*	7,1	11,2*	6,7	7,7*	
–10	Stabilizers raised	18,0	32,8	9,4	15,7	5,7	9,5			4,5	7,6	
	Stabilizer blade down	20,3	36,9*	10,5	23,2*	6,4	14,9*			5,1	9,4*	23'
	Blade + 2 pt. outr. down	34,1	36,8*	16,4	23,1*	10,0	14,8*			8,0	9,4*	
–15	Stabilizers raised	17,4	30,5*	9,0	15,1					7,8	12,0*	
	Stabilizer blade down	19,7	30,5*	10,0	15,3*					8,8	12,0*	16' 4"
	Blade + 2 pt. outr. down	30,3*	30,3*	15,1*	15,1*					11,9*	11,9*	

Stick 10'

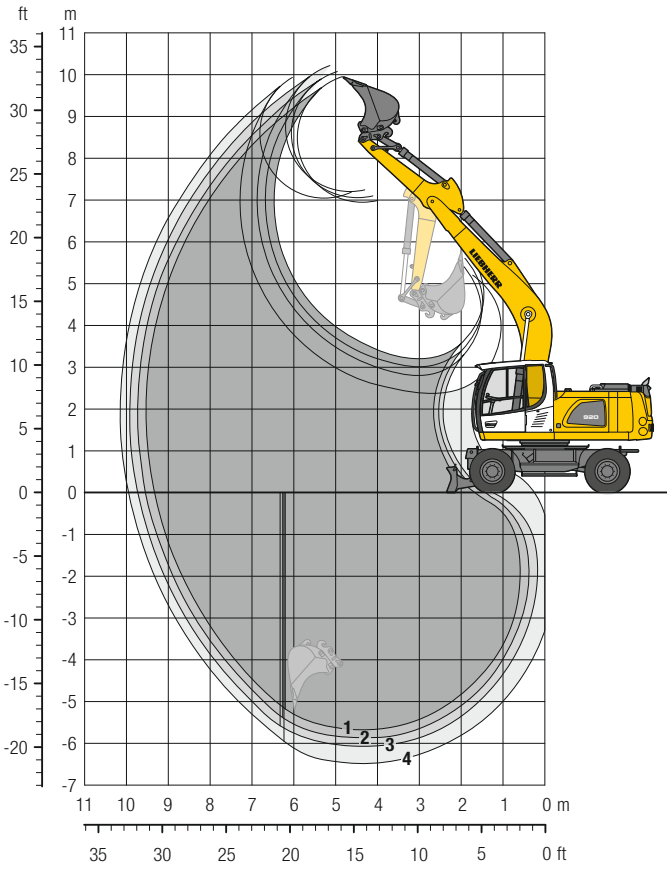
ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised									6,4*	6,4*	
	Stabilizer blade down									6,4*	6,4*	14' 5"
	Blade + 2 pt. outr. down									6,4*	6,4*	
25	Stabilizers raised					6,5*	6,5*			5,2*	5,2*	
	Stabilizer blade down					6,5*	6,5*			5,2*	5,2*	21'
	Blade + 2 pt. outr. down					6,5*	6,5*			5,2*	5,2*	
20	Stabilizers raised					7,7	8,9*			4,8*	4,8*	
	Stabilizer blade down					8,3	8,9*			4,8*	4,8*	24'10"
	Blade + 2 pt. outr. down					9,0*	9,0*			4,8*	4,8*	
15	Stabilizers raised			11,2*	11,2*	7,5	10,8*	4,9	7,5	4,0	4,7*	
	Stabilizer blade down			11,2*	11,2*	8,3	10,8*	5,4	8,0*	4,4	4,7*	27' 1"
	Blade + 2 pt. outr. down			11,2*	11,2*	10,8*	10,8*	7,9	8,0*	4,7*	4,7*	
10	Stabilizers raised	20,7	26,4*	11,2	16,8	7,3	10,9	4,8	7,5	3,5	4,9*	
	Stabilizer blade down	22,8	26,4*	12,3	17,4*	8,1	13,6*	5,3	10,4*	3,9	4,9*	28' 5"
	Blade + 2 pt. outr. down	26,5*	26,5*	17,4*	17,4*	11,4	13,6*	7,9	10,4*	4,9*	4,9*	
5	Stabilizers raised	19,8	29,2*	10,8	16,4	7,2	10,8	4,6	7,3	3,2	5,2*	
	Stabilizer blade down	21,8	29,2*	11,9	20,5*	8,0	15,0*	5,1	12,1*	3,7	5,2*	28' 8"
	Blade + 2 pt. outr. down	29,2*	29,2*	17,0	20,5*	11,2	15,0*	7,7	12,0*	5,2*	5,2*	
0	Stabilizers raised	19,6	31,0*	10,8	16,3	7,0	10,8	4,3	7,0	3,2	5,6	
	Stabilizer blade down	21,7	31,0*	11,9	21,9*	7,7	15,8*	4,8	12,3	3,7	5,9*	28'
	Blade + 2 pt. outr. down	31,0*	31,0*	16,9	21,8*	11,3	15,7*	7,4	12,2*	5,9	5,9*	
– 5	Stabilizers raised	18,5	32,2	10,1	16,4	6,2	10,1	3,9	6,7	3,5	6,0	
	Stabilizer blade down	20,9	34,8*	11,2	22,1*	7,0	15,9*	4,4	11,7*	4,0	7,2*	26' 5"
	Blade + 2 pt. outr. down	33,1	34,7*	17,2	22,0*	10,6	15,8*	7,0	11,7*	6,4	7,2*	
–10	Stabilizers raised	17,8	32,6	9,4	15,6	5,6	9,4			4,1	7,1	
	Stabilizer blade down	20,2	36,3*	10,5	22,7*	6,3	15,6*			4,7	9,8*	23' 7"
	Blade + 2 pt. outr. down	34,0	36,2*	16,4	22,6*	9,9	15,5*			7,5	9,8*	
–15	Stabilizers raised	17,0	31,6	8,7	14,8					6,2	9,9*	
	Stabilizer blade down	19,4	33,4*	9,8	18,0*					6,9	9,9*	18' 7"
	Blade + 2 pt. outr. down	32,8	33,2*	15,5	17,9*					9,9*	9,9*	

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

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool 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 based on 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 lift hook on the quick coupler (max. 26,500 lb). Without the quick coupler, lift capacities will increase by up to 500 lb.

Backhoe Bucket

with Mono Boom 18'4"



Digging Envelope

with quick coupler		1	2	3	4
Stick length	ft in	7' 5"	8'	8'8"	10'
Max. digging depth	ft in	18' 8"	19' 4"	20'	21'4"
Max. reach at ground level	ft in	30' 8"	31' 4"	32'	32'8"
Max. dumping height	ft in	22'10"	23' 2"	23'7"	23'2"
Max. teeth height	ft in	32' 8"	32'10"	33'6"	32'8"
Min. attachment radius	ft in	11' 1"	11' 2"	11'3"	11'3"

Digging Forces

without quick coupler		1	2	3	4
Max. digging force (ISO 6015)	lbf	22,189	20,817	19,603	17,580
	lb	22,267	20,723	19,621	17,637
Max. breakout force (ISO 6015)	lbf	28,011	28,011	28,011	28,011
	lb	27,999	27,999	27,999	27,999

Max. breakout force with ripper bucket 35,273 lbf (35,274 lb)

Operating Weight

The operating weight includes the basic machine with 8 tires plus intermediate rings, mono boom 18'4", stick 8', quick coupler SWA 48 and bucket 41.3"/1.05 yd³.

Undercarriage versions	Weight (lb)
A 920 Litronic with stabilizer blade	40,300
A 920 Litronic with stabilizer blade + 2 pt. outriggers	44,100
A 920 Litronic with 4 pt. outriggers	44,100
A 920 EW Litronic with stabilizer blade	40,600
A 920 EW Litronic with stabilizer blade + 2 pt. outriggers	44,300

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

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised				Stabilizer blade down				Stabilizer blade + 2 pt. outriggers down				4 point outriggers down				EW Stabilizers raised				EW Stabilizer blade down				EW Stabilizer blade + 2 pt. outriggers down			
			Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)			
in	yd³	lb	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'
25.6"[2]	0.72	1,124	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
33.5"[2]	0.78	1,213	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
41.3"[2]	1.05	1,389	■	■	△	△	■	■	■	■	■	■	■	■	■	■	■	■	■	■	△	△	■	■	■	■	■	■	■	■
49.2"[2]	1.31	1,609	△	–	–	–	△	△	△	–	■	■	■	■	■	■	■	■	△	–	–	–	■	■	■	■	■	■	■	■
55.1"[2]	1.50	1,742	–	–	–	–	△	–	–	–	■	■	■	△	■	■	■	△	–	–	–	–	■	■	■	△	■	■	■	△
25.6"[3]	0.72	1,257	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
33.5"[3]	0.78	1,367	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
41.3"[3]	1.05	1,565	■	△	△	△	■	■	■	△	■	■	■	■	■	■	■	■	■	△	△	△	■	■	■	■	■	■	■	■
49.2"[3]	1.31	1,808	–	–	–	–	△	△	–	–	■	■	■	■	■	■	■	■	–	–	–	–	■	■	■	■	■	■	■	■
55.1"[3]	1.50	1,940	–	–	–	–	–	–	–	–	■	■	■	△	■	■	■	△	–	–	–	–	■	■	■	△	■	■	■	△
25.6"[4]	0.78	1,168	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
33.5"[4]	0.85	1,301	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
41.3"[4]	1.11	1,477	△	△	△	–	■	■	■	△	■	■	■	■	■	■	■	■	△	△	△	△	■	■	■	■	■	■	■	■
49.2"[4]	1.37	1,698	–	–	–	–	△	△	–	–	■	■	■	■	■	■	■	■	–	–	–	–	■	■	■	■	■	■	■	■
55.1"[4]	1.57	1,852	–	–	–	–	–	–	–	–	■	■	■	△	■	■	■	△	–	–	–	–	■	■	■	△	■	■	■	△

* 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 ■ = ≤ 3,034 lb/yd³, ■ = ≤ 2,528 lb/yd³, △ = ≤ 2,023 lb/yd³, – = not authorized

Lift Capacities
with Mono Boom 18'4"

Stick 7'5"

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised											
	Stabilizer blade down											
	Blade + 2 pt. outr. down											
	4 pt. outriggers down											
25	Stabilizers raised									5,8*	5,8*	19' 2"
	Stabilizer blade down									5,8*	5,8*	
	Blade + 2 pt. outr. down									5,8*	5,8*	
	4 pt. outriggers down									5,8*	5,8*	
20	Stabilizers raised					6,6	10,9			4,9	5,3*	23' 2"
	Stabilizer blade down					7,2	11,3*			5,3*	5,3*	
	Blade + 2 pt. outr. down					11,0	11,3*			5,3*	5,3*	
	4 pt. outriggers down					11,3*	11,3*			5,3*	5,3*	
15	Stabilizers raised			9,9	14,4*	6,2	10,6	4,2	7,3	4,0	5,2*	25' 7"
	Stabilizer blade down			10,9	14,4*	6,9	12,1*	4,6	7,4*	4,4	5,2*	
	Blade + 2 pt. outr. down			14,4*	14,4*	10,7	12,1*	7,4	7,4*	5,2*	5,2*	
	4 pt. outriggers down			14,4*	14,4*	12,1*	12,1*	7,4*	7,4*	5,2*	5,2*	
10	Stabilizers raised			8,8	15,8	5,8	10,1	4,0	7,1	3,5	5,3*	26'10"
	Stabilizer blade down			9,8	17,7*	6,4	13,5*	4,5	11,4*	3,9	5,3*	
	Blade + 2 pt. outr. down			15,8	17,7*	10,2	13,5*	7,2	11,4*	5,3*	5,3*	
	4 pt. outriggers down			17,7*	17,7*	12,1	13,5*	8,6	11,4*	5,3*	5,3*	
5	Stabilizers raised			7,9	14,7	5,3	9,6	3,8	6,8	3,3	5,7*	27' 1"
	Stabilizer blade down			8,8	20,3*	5,9	14,7*	4,2	11,8*	3,7	5,7*	
	Blade + 2 pt. outr. down			14,7	20,3*	9,7	14,7*	7,0	11,8*	5,7*	5,7*	
	4 pt. outriggers down			18,1	20,3*	11,6	14,7*	8,3	11,8*	5,7*	5,7*	
0	Stabilizers raised	10,5*	10,5*	7,4	14,1	5,0	9,2	3,6	6,7	3,4	6,2	26' 5"
	Stabilizer blade down	10,5*	10,5*	8,3	21,0*	5,6	15,3*	4,1	11,9*	3,8	6,4*	
	Blade + 2 pt. outr. down	10,5*	10,5*	14,2	21,0*	9,3	15,3*	6,8	11,9*	6,3	6,4*	
	4 pt. outriggers down	10,5*	10,5*	17,5	21,0*	11,3	15,3*	8,1	11,9*	6,4*	6,4*	
– 5	Stabilizers raised	13,6	19,1*	7,3	14,0	4,9	9,1			3,7	6,8	24' 7"
	Stabilizer blade down	15,5	19,1*	8,2	19,9*	5,5	14,7*			4,2	7,8*	
	Blade + 2 pt. outr. down	19,1*	19,1*	14,1	19,9*	9,2	14,7*			6,9	7,8*	
	4 pt. outriggers down	19,1*	19,1*	17,4	19,9*	11,1	14,7*			7,8*	7,8*	
–10	Stabilizers raised	14,0	22,8*	7,5	14,2	5,0	9,2			4,6	8,4	21' 6"
	Stabilizer blade down	15,9	22,8*	8,4	16,9*	5,6	12,3*			5,1	10,7*	
	Blade + 2 pt. outr. down	22,8*	22,8*	14,3	16,9*	9,4	12,3*			8,5	10,7*	
	4 pt. outriggers down	22,8*	22,8*	16,9*	16,9*	11,3	12,3*			10,2	10,7*	
–15	Stabilizers raised			8,0	10,5*					7,8	10,1*	15' 5"
	Stabilizer blade down			9,0	10,5*					8,7	10,1*	
	Blade + 2 pt. outr. down			10,4*	10,4*					10,1*	10,1*	
	4 pt. outriggers down			10,4*	10,4*					10,1*	10,1*	

Stick 8'

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised											
	Stabilizer blade down											
	Blade + 2 pt. outr. down											
	4 pt. outriggers down											
25	Stabilizers raised					5,6*	5,6*			5,3*	5,3*	20' 1"
	Stabilizer blade down					5,6*	5,6*			5,3*	5,3*	
	Blade + 2 pt. outr. down					5,6*	5,6*			5,3*	5,3*	
	4 pt. outriggers down					5,6*	5,6*			5,3*	5,3*	
20	Stabilizers raised					6,6	10,8*			4,6	4,8*	23'11"
	Stabilizer blade down					7,2	10,8*			4,8*	4,8*	
	Blade + 2 pt. outr. down					10,8*	10,8*			4,8*	4,8*	
	4 pt. outriggers down					10,8*	10,8*			4,8*	4,8*	
15	Stabilizers raised			10,0	13,9*	6,3	10,6	4,2	7,3	3,8	4,7*	26' 4"
	Stabilizer blade down			10,9	13,9*	6,9	11,7*	4,6	8,4*	4,2	4,7*	
	Blade + 2 pt. outr. down			13,9*	13,9*	10,7	11,7*	7,4	8,4*	4,7*	4,7*	
	4 pt. outriggers down			13,9*	13,9*	11,7*	11,7*	8,4*	8,4*	4,7*	4,7*	
10	Stabilizers raised			8,9	15,8	5,8	10,1	4,0	7,1	3,3	4,8*	27' 6"
	Stabilizer blade down			9,8	17,2*	6,4	13,1*	4,4	11,1*	3,7	4,8*	
	Blade + 2 pt. outr. down			15,9	17,2*	10,2	13,1*	7,2	11,1*	4,8*	4,8*	
	4 pt. outriggers down			17,2*	17,2*	12,2	13,1*	8,5	11,1*	4,8*	4,8*	
5	Stabilizers raised			7,9	14,7	5,3	9,5	3,7	6,8	3,1	5,1*	27' 8"
	Stabilizer blade down			8,8	19,9*	5,9	14,5*	4,2	11,7*	3,5	5,1*	
	Blade + 2 pt. outr. down			14,7	20,0*	9,6	14,5*	6,9	11,7*	5,1*	5,1*	
	4 pt. outriggers down			18,1	20,0*	11,6	14,5*	8,3	11,7*	5,1*	5,1*	
0	Stabilizers raised	10,9*	10,9*	7,3	14,0	4,9	9,1	3,6	6,6	3,2	5,7*	27'
	Stabilizer blade down	10,9*	10,9*	8,3	20,9*	5,5	15,2*	4,0	11,8*	3,6	5,7*	
	Blade + 2 pt. outr. down	10,9*	10,9*	14,1	20,9*	9,3	15,2*	6,7	11,8*	5,7*	5,7*	
	4 pt. outriggers down	10,9*	10,9*	17,4	20,9*	11,2	15,2*	8,1	11,8*	5,7*	5,7*	
– 5	Stabilizers raised	13,4	18,3*	7,2	13,9	4,8	9,0	3,5	6,6	3,5	6,5	25' 4"
	Stabilizer blade down	15,2	18,3*	8,1	20,0*	5,4	14,8*	4,0	9,0*	3,9	6,9*	
	Blade + 2 pt. outr. down	18,3*	18,3*	14,0	20,0*	9,1	14,8*	6,7	9,0*	6,6	6,9*	
	4 pt. outriggers down	18,3*	18,3*	17,3	20,0*	11,0	14,8*	8,0	9,0*	6,9*	6,9*	
–10	Stabilizers raised	13,7	23,8*	7,3	14,1	4,9	9,1			4,3	7,9	22' 4"
	Stabilizer blade down	15,6	23,8*	8,3	17,4*	5,5	12,7*			4,8	9,3*	
	Blade + 2 pt. outr. down	23,8*	23,8*	14,1	17,3*	9,2	12,7*			8,0	9,3*	
	4 pt. outriggers down	23,8*	23,8*	17,3*	17,3*	11,2	12,7*			9,3*	9,3*	
–15	Stabilizers raised			7,8	11,6*					6,4	9,1*	17' 5"
	Stabilizer blade down			8,8	11,6*					7,2	9,1*	
	Blade + 2 pt. outr. down			11,6*	11,6*					9,1*	9,1*	
	4 pt. outriggers down			11,6*	11,6*					9,1*	9,1*	

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

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (+/– 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity, or are limited by the permissible load of the load lift hook on the quick coupler (max. 26,500 lb). Without the quick coupler, lift capacities will increase by up to 500 lb.

Stick 8'8"

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised											
	Stabilizer blade down											
	Blade + 2 pt. outr. down											
	4 pt. outriggers down											
25	Stabilizers raised					6,6	6,9*			4,8*	4,8*	
	Stabilizer blade down					6,9*	6,9*			4,8*	4,8*	21'
	Blade + 2 pt. outr. down					7,0*	7,0*			4,8*	4,8*	
	4 pt. outriggers down					7,0*	7,0*			4,8*	4,8*	
20	Stabilizers raised					6,6	10,4*			4,4	4,4*	
	Stabilizer blade down					7,2	10,4*			4,4*	4,4*	24' 8"
	Blade + 2 pt. outr. down					10,4*	10,4*			4,4*	4,4*	
	4 pt. outriggers down					10,4*	10,4*			4,4*	4,4*	
15	Stabilizers raised					6,3	10,6	4,2	7,3	3,6	4,3*	
	Stabilizer blade down					6,9	11,3*	4,6	8,8*	4,0	4,3*	26'11"
	Blade + 2 pt. outr. down					10,7	11,4*	7,4	8,9*	4,3*	4,3*	
	4 pt. outriggers down					11,4*	11,4*	8,8	8,9*	4,3*	4,3*	
10	Stabilizers raised			8,9	15,9	5,8	10,1	4,0	7,0	3,2	4,3*	
	Stabilizer blade down			9,9	16,6*	6,4	12,8*	4,4	10,9*	3,5	4,3*	28' 1"
	Blade + 2 pt. outr. down			15,9	16,6*	10,2	12,8*	7,2	10,9*	4,3*	4,3*	
	4 pt. outriggers down			16,6*	16,6*	12,2	12,8*	8,5	10,9*	4,3*	4,3*	
5	Stabilizers raised			7,9	14,7	5,3	9,5	3,7	6,8	3,0	4,6*	
	Stabilizer blade down			8,8	19,6*	5,9	14,2*	4,2	11,5*	3,4	4,6*	28' 5"
	Blade + 2 pt. outr. down			14,7	19,6*	9,6	14,2*	6,9	11,5*	4,6*	4,6*	
	4 pt. outriggers down			18,1	19,6*	11,6	14,2*	8,2	11,5*	4,6*	4,6*	
0	Stabilizers raised	11,2*	11,2*	7,3	14,0	4,9	9,1	3,5	6,6	3,0	5,1*	
	Stabilizer blade down	11,2*	11,2*	8,2	20,8*	5,5	15,0*	4,0	11,8*	3,4	5,1*	27' 8"
	Blade + 2 pt. outr. down	11,2*	11,2*	14,1	20,8*	9,2	15,0*	6,7	11,8*	5,1*	5,1*	
	4 pt. outriggers down	11,2*	11,2*	17,4	20,8*	11,2	15,0*	8,0	11,8*	5,1*	5,1*	
– 5	Stabilizers raised	13,2	17,6*	7,1	13,8	4,7	8,9	3,5	6,5	3,3	6,1*	
	Stabilizer blade down	15,0	17,6*	8,0	20,2*	5,3	14,8*	3,9	11,2*	3,7	6,1*	26'
	Blade + 2 pt. outr. down	17,6*	17,6*	13,9	20,2*	9,0	14,8*	6,6	11,2*	6,1*	6,1*	
	4 pt. outriggers down	17,6*	17,6*	17,1	20,2*	11,0	14,8*	8,0	11,2*	6,1*	6,1*	
–10	Stabilizers raised	13,5	24,7*	7,2	13,9	4,8	9,0			4,0	7,4	
	Stabilizer blade down	15,4	24,7*	8,1	17,7*	5,4	13,0*			4,5	8,1*	23' 1"
	Blade + 2 pt. outr. down	24,7*	24,7*	14,0	17,7*	9,1	13,0*			7,5	8,1*	
	4 pt. outriggers down	24,7*	24,7*	17,3	17,7*	11,0	13,0*			8,1*	8,1*	
–15	Stabilizers raised	14,2	17,1*	7,6	12,5*					5,8	9,1*	
	Stabilizer blade down	16,1	17,1*	8,6	12,5*					6,5	9,1*	18' 5"
	Blade + 2 pt. outr. down	17,1*	17,1*	12,5*	12,5*					9,1*	9,1*	
	4 pt. outriggers down	17,1*	17,1*	12,5*	12,5*					9,1*	9,1*	

Stick 10'

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised											
	Stabilizer blade down											
	Blade + 2 pt. outr. down											
	4 pt. outriggers down											
25	Stabilizers raised					6,2*	6,2*			3,9*	3,9*	
	Stabilizer blade down					6,2*	6,2*			3,9*	3,9*	21' 8"
	Blade + 2 pt. outr. down					6,2*	6,2*			3,9*	3,9*	
	4 pt. outriggers down					6,2*	6,2*			3,9*	3,9*	
20	Stabilizers raised					6,7	8,9*	4,2*	4,2*	3,6*	3,6*	
	Stabilizer blade down					7,3	8,9*	4,2*	4,2*	3,6*	3,6*	25' 4"
	Blade + 2 pt. outr. down					8,9*	8,9*	4,2*	4,2*	3,6*	3,6*	
	4 pt. outriggers down					8,9*	8,9*	4,2*	4,2*	3,6*	3,6*	
15	Stabilizers raised					6,3	10,6*	4,2	7,3	3,5	3,6*	
	Stabilizer blade down					7,0	10,6*	4,7	7,8*	3,6*	3,6*	27' 6"
	Blade + 2 pt. outr. down					10,6*	10,6*	7,4	7,8*	3,6*	3,6*	
	4 pt. outriggers down					10,6*	10,6*	7,8*	7,8*	3,6*	3,6*	
10	Stabilizers raised	16,7	24,1*	9,1	15,5*	5,8	10,1	4,0	7,1	3,0	3,7*	
	Stabilizer blade down	18,7	24,1*	10,1	15,5*	6,4	12,2*	4,4	10,4*	3,4	3,7*	28' 7"
	Blade + 2 pt. outr. down	24,1*	24,1*	15,5*	15,5*	10,2	12,2*	7,2	10,4*	3,7*	3,7*	
	4 pt. outriggers down	24,1*	24,1*	15,5*	15,5*	12,2*	12,2*	8,5	10,4*	3,7*	3,7*	
5	Stabilizers raised	13,7*	13,7*	8,0	14,8	5,2	9,5	3,7	6,7	2,8	4,1*	
	Stabilizer blade down	13,7*	13,7*	8,9	18,8*	5,9	13,7*	4,1	11,2*	3,2	4,1*	28'11"
	Blade + 2 pt. outr. down	13,7*	13,7*	14,9	18,8*	9,6	13,8*	6,8	11,2*	4,1*	4,1*	
	4 pt. outriggers down	13,7*	13,7*	18,2	18,8*	11,6	13,8*	8,2	11,2*	4,1*	4,1*	
0	Stabilizers raised	12,9	14,0*	7,2	14,0	4,8	9,0	3,4	6,5	2,8	4,7*	
	Stabilizer blade down	14,0*	14,0*	8,2	20,5*	5,4	14,8*	3,9	11,6*	3,2	4,7*	28' 2"
	Blade + 2 pt. outr. down	14,0*	14,0*	14,0	20,5*	9,2	14,8*	6,6	11,6*	4,7*	4,7*	
	4 pt. outriggers down	14,0*	14,0*	17,3	20,5*	11,1	14,8*	8,0	11,6*	4,7*	4,7*	
– 5	Stabilizers raised	12,9	18,6*	7,0	13,6	4,6	8,8	3,3	6,4	3,0	5,7*	
	Stabilizer blade down	14,7	18,6*	7,9	20,3*	5,2	14,8*	3,8	11,3*	3,5	5,7*	26' 7"
	Blade + 2 pt. outr. down	18,6*	18,6*	13,7	20,3*	8,9	14,8*	6,5	11,3*	5,7*	5,7*	
	4 pt. outriggers down	18,6*	18,6*	17,0	20,3*	10,9	14,8*	7,8	11,3*	5,7*	5,7*	
–10	Stabilizers raised	13,1	25,3*	7,0	13,7	4,6	8,8			3,6	6,9	
	Stabilizer blade down	15,0	25,3*	7,9	18,4*	5,2	13,5*			4,1	8,0*	23' 8"
	Blade + 2 pt. outr. down	25,4*	25,4*	13,8	18,4*	8,9	13,5*			7,0	8,0*	
	4 pt. outriggers down	25,4*	25,4*	17,0	18,4*	10,9	13,5*			8,0*	8,0*	
–15	Stabilizers raised	13,8	19,6*	7,3	14,1					5,2	9,7	
	Stabilizer blade down	15,7	19,6*	8,3	14,1*					5,8	10,3*	19' 2"
	Blade + 2 pt. outr. down	19,5*	19,5*	14,1*	14,1*					9,8	10,2*	
	4 pt. outriggers down	19,5*	19,5*	14,1*	14,1*					10,2*	10,2*	

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

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (+/– 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity, or are limited by the permissible load of the load lift hook on the quick coupler (max. 26,500 lb). Without the quick coupler, lift capacities will increase by up to 500 lb.

Lift Capacities

with Mono Boom 18'4", EW-Undercarriage

Stick 7'5"

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down											
25	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down									5,8* 5,8* 5,8*	5,8* 5,8* 5,8*	19' 2"
20	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					7,2 7,9 11,3*	11,0 11,3* 11,3*			5,3* 5,3* 5,3*	5,3* 5,3* 5,3*	23' 2"
15	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			10,9 12,0 14,4*	14,4* 14,4* 14,4*	6,9 7,6 11,2	10,7 12,1* 12,1*	4,7 5,2 7,4*	7,4 7,4* 7,4*	4,5 4,9 5,2*	5,2* 5,2* 5,2*	25' 7"
10	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			9,8 10,9 16,6	15,9 17,7* 17,7*	6,4 7,1 10,7	10,2 13,5* 13,5*	4,5 5,0 7,6	7,2 11,4* 11,4*	3,9 4,4 5,3*	5,3* 5,3* 5,3*	26'10"
5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			8,8 9,9 15,5	14,8 20,3* 20,3*	5,9 6,6 10,2	9,6 14,7* 14,7*	4,3 4,8 7,3	6,9 11,8* 11,8*	3,7 4,2 5,7*	5,7* 5,7* 5,7*	27' 1"
0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	10,5* 10,5* 10,5*	10,5* 10,5* 10,5*	8,4 9,4 15,0	14,3 21,0* 21,0*	5,6 6,3 9,8	9,3 15,3* 15,3*	4,1 4,6 7,2	6,8 11,9* 11,9*	3,8 4,3 6,4*	6,3 6,4* 6,4*	26' 5"
– 5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	15,6 17,8 19,1*	19,1* 19,1* 19,1*	8,3 9,3 14,9	14,1 19,9* 19,9*	5,5 6,2 9,7	9,2 14,7* 14,7*			4,2 4,7 7,3	6,9 7,8* 7,8*	24' 7"
–10	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	16,0 18,2 22,8*	22,8* 22,8* 22,8*	8,5 9,5 15,1	14,4 16,9* 16,9*	5,7 6,3 9,9	9,3 12,3* 12,3*			5,2 5,8 9,0	8,5 10,7* 10,7*	21' 6"
–15	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			9,0 10,1 10,4*	10,5* 10,5* 10,4*					8,7 9,7 10,1*	10,1* 10,1* 10,1*	15' 5"

Stick 8'

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down											
25	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					5,6* 5,6* 5,6*	5,6* 5,6* 5,6*			5,3* 5,3* 5,3*	5,3* 5,3* 5,3*	20' 1"
20	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					7,2 7,9 10,8*	10,8* 10,8* 10,8*			4,8* 4,8* 4,8*	4,8* 4,8* 4,8*	23'11"
15	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			11,0 12,1 13,9*	13,9* 13,9* 13,9*	6,9 7,6 11,2	10,7 11,7* 11,7*	4,7 5,2 7,8	7,4 8,4* 8,4*	4,2 4,7* 4,7*	4,7* 4,7* 4,7*	26' 4"
10	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			9,9 10,9 16,7	16,0 17,2* 17,2*	6,4 7,1 10,7	10,2 13,1* 13,1*	4,5 5,0 7,5	7,1 11,1* 11,1*	3,8 4,2 4,8*	4,8* 4,8* 4,8*	27' 6"
5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			8,8 9,9 15,6	14,8 19,9* 20,0*	5,9 6,6 10,1	9,6 14,5* 14,5*	4,2 4,7 7,3	6,9 11,7* 11,7*	3,6 4,0 5,1*	5,1* 5,1* 5,1*	27' 8"
0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	10,9* 10,9* 10,9*	10,9* 10,9* 10,9*	8,3 9,3 14,9	14,2 20,9* 20,9*	5,6 6,2 9,8	9,2 15,2* 15,2*	4,0 4,5 7,1	6,7 11,8* 11,8*	3,6 4,1 5,7*	5,7* 5,7* 5,7*	27'
– 5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	15,3 17,5 18,3*	18,3* 18,3* 18,3*	8,2 9,2 14,8	14,0 20,0* 20,0*	5,4 6,1 9,6	9,1 14,8* 14,8*	4,0 4,5 7,1	6,7 9,0* 9,0*	3,9 4,4 6,9*	6,6 6,9* 6,9*	25' 4"
–10	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	15,7 17,9 23,8*	23,8* 23,8* 23,8*	8,3 9,4 15,0	14,2 17,4* 17,3*	5,5 6,2 9,7	9,2 12,7* 12,7*			4,8 5,4 8,4	7,9 9,3* 9,3*	22' 4"
–15	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			8,8 9,9 11,6*	11,6* 11,6* 11,6*					7,2 8,1 9,1*	9,1* 9,1* 9,1*	17' 5"

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

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (+/– 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity, or are limited by the permissible load of the load lift hook on the quick coupler (max. 26,500 lb). Without the quick coupler, lift capacities will increase by up to 500 lb.

Stick 8'8"

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down											
25	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					6,9* 6,9* 7,0*	6,9* 6,9* 7,0*			4,8* 4,8* 4,8*	4,8* 4,8* 4,8*	21'
20	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					7,3 8,0 10,4*	10,4* 10,4* 10,4*			4,4* 4,4* 4,4*	4,4* 4,4* 4,4*	24' 8"
15	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					6,9 7,6 11,3	10,7 11,3* 11,4*	4,7 5,2 7,8	7,4 8,8* 8,9*	4,0 4,3* 4,3*	4,3* 4,3* 4,3*	26'11"
10	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			9,9 11,0 16,6*	16,1 16,6* 16,6*	6,4 7,1 10,7	10,2 12,8* 12,8*	4,4 4,9 7,5	7,1 10,9* 10,9*	3,6 4,0 4,3*	4,3* 4,3* 4,3*	28' 1"
5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			8,9 9,9 15,6	14,8 19,6* 19,6*	5,9 6,6 10,1	9,6 14,2* 14,2*	4,2 4,7 7,2	6,8 11,5* 11,5*	3,4 3,8 4,6*	4,6* 4,6* 4,6*	28' 5"
0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	11,2* 11,2* 11,2*	11,2* 11,2* 11,2*	8,2 9,3 14,9	14,1 20,8* 20,8*	5,5 6,2 9,7	9,2 15,0* 15,0*	4,0 4,5 7,0	6,6 11,8* 11,8*	3,4 3,9 5,1*	5,1* 5,1* 5,1*	27' 8"
– 5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	15,1 17,3 17,6*	17,6* 17,6* 17,6*	8,1 9,1 14,7	13,9 20,2* 20,2*	5,4 6,0 9,5	9,0 14,8* 14,8*	3,9 4,4 7,0	6,6 11,2* 11,2*	3,7 4,2 6,1*	6,1* 6,1* 6,1*	26'
–10	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	15,5 17,7 24,7*	24,7* 24,7* 24,7*	8,2 9,2 14,8	14,1 17,7* 17,7*	5,4 6,1 9,6	9,1 13,0* 13,0*			4,5 5,0 7,9	7,5 8,1* 8,1*	23' 1"
–15	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	16,2 17,1* 17,1*	17,1* 17,1* 17,1*	8,6 9,7 12,5*	12,5* 12,5* 12,5*					6,5 7,3 9,1*	9,1* 9,1* 9,1*	18' 5"

Stick 10'

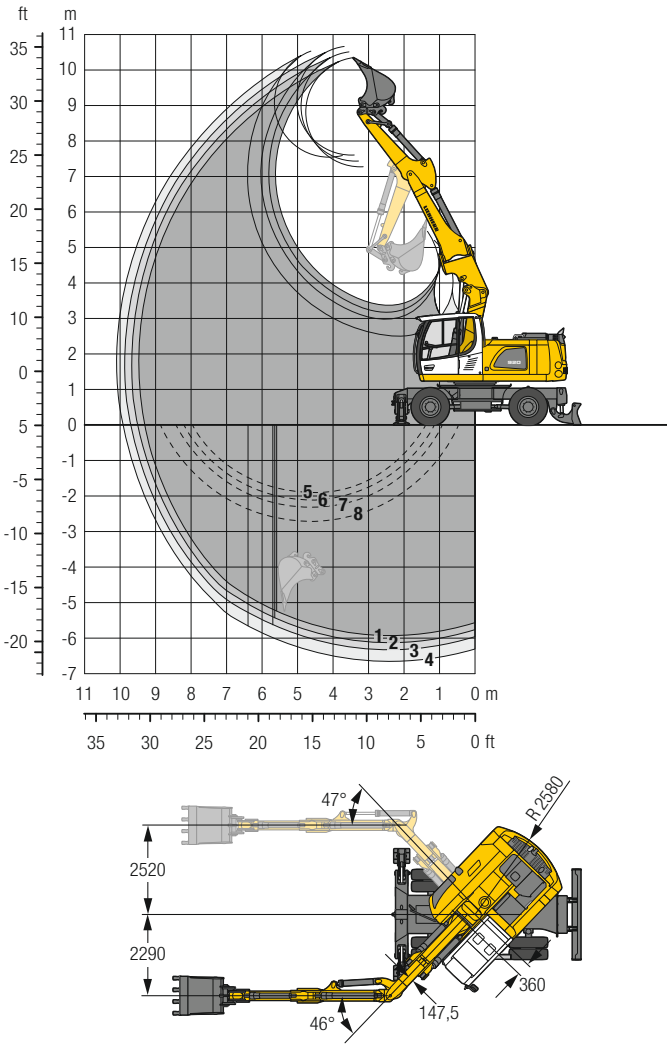
ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down											
25	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					6,2* 6,2* 6,2*	6,2* 6,2* 6,2*			3,9* 3,9* 3,9*	3,9* 3,9* 3,9*	21' 8"
20	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					7,4 8,1 8,9*	8,9* 8,9* 8,9*	4,2* 4,2* 4,2*	4,2* 4,2* 4,2*	3,6* 3,6* 3,6*	3,6* 3,6* 3,6*	25' 4"
15	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					7,0 7,7 10,6*	10,6* 10,6* 10,6*	4,7 5,2 7,8*	7,4 7,8* 7,8*	3,6* 3,6* 3,6*	3,6* 3,6* 3,6*	27' 6"
10	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	18,8 21,2 24,1*	24,1* 24,1* 24,1*	10,1 11,2 15,5*	15,5* 15,5* 15,5*	6,5 7,2 10,8	10,2 12,2* 12,2*	4,4 4,9 7,5	7,1 10,4* 10,4*	3,4 3,7* 3,7*	3,7* 3,7* 3,7*	28' 7"
5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	13,7* 13,7* 13,7*	13,7* 13,7* 13,7*	8,9 10,0 15,7	15,0 18,8* 18,8*	5,9 6,6 10,1	9,6 13,7* 13,8*	4,1 4,6 7,2	6,8 11,2* 11,2*	3,2 3,6 4,1*	4,1* 4,1* 4,1*	28'11"
0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	14,0* 14,0* 14,0*	14,0* 14,0* 14,0*	8,2 9,3 14,9	14,1 20,5* 20,5*	5,5 6,1 9,7	9,1 14,8* 14,8*	3,9 4,4 7,0	6,6 11,6* 11,6*	3,2 3,7 4,7*	4,7* 4,7* 4,7*	28' 2"
– 5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	14,8 17,0 18,6*	18,6* 18,6* 18,6*	7,9 9,0 14,5	13,8 20,3* 20,3*	5,2 5,9 9,4	8,9 14,8* 14,8*	3,8 4,3 6,8	6,4 11,3* 11,3*	3,5 3,9 5,7*	5,7* 5,7* 5,7*	26' 7"
–10	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	15,1 17,3 25,4*	25,3* 25,3* 25,4*	8,0 9,0 14,6	13,8 18,4* 18,4*	5,2 5,9 9,4	8,9 13,5* 13,5*			4,1 4,7 7,4	7,0 8,0* 8,0*	23' 8"
–15	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	15,8 18,0 19,5*	19,6* 19,6* 19,5*	8,3 9,4 14,1*	14,1* 14,1* 14,1*					5,9 6,6 10,2*	9,8 10,3* 10,2*	19' 2"

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

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (+/– 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity, or are limited by the permissible load of the load lift hook on the quick coupler (max. 26,500 lb). Without the quick coupler, lift capacities will increase by up to 500 lb.

Backhoe Bucket

with Offset Two-Piece Boom 17'11"



Digging Envelope

with quick coupler		1	2	3	4
Stick length	**ft in**	7' 5"	8'	8' 8"	10'
Max. digging depth	**ft in**	19' 6"	20'2"	20'10"	22'
Max. reach at ground level	**ft in**	30' 6"	31'2"	31'10"	32' 6"
Max. dumping height	**ft in**	23'11"	24'5"	24'11"	24'11"
Max. teeth height	**ft in**	33'11"	34'5"	34'11"	34' 7"
Min. attachment radius	**ft in**	9' 4"	9'6"	9' 8"	8'10"

1 with stick 7'5"
2 with stick 8'
3 with stick 8'8"
4 with stick 10'
with set straight boom

5 with stick 7'5"
6 with stick 8'
7 with stick 8'8"
8 with stick 10'
at max. attachment offset
with vertical ditch walls

Digging Forces

without quick coupler		1	2	3	4
Max. digging force (ISO 6015)	**lbf**	22,189	20,817	19,603	17,580
	lb	22,267	20,723	19,621	17,637
Max. breakout force (ISO 6015)	**lbf**	28,011	28,011	28,011	28,011
	lb	27,999	27,999	27,999	27,999

Max. breakout force with ripper bucket 35,273 lbf (35,274 lb)

Operating Weight

The operating weight includes the basic machine with 8 tires plus intermediate rings, offset two-piece boom 17'11", stick 8', quick coupler SWA 48 and bucket 41.3" / 1.05 yd³.

Undercarriage versions	Weight (lb)
A 920 Litronic with stabilizer blade	43,000
A 920 Litronic with stabilizer blade + 2 pt. outriggers	46,700
A 920 Litronic with 4 pt. outriggers	46,700
A 920 EW Litronic with stabilizer blade	43,200
A 920 EW Litronic with stabilizer blade + 2 pt. outriggers	47,000

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

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised				Stabilizer blade down				Stabilizer blade + 2 pt. outriggers down				4 point outriggers down				EW Stabilizers raised				EW Stabilizer blade down				EW Stabilizer blade + 2 pt. outriggers down			
			Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)			
in	yd³	lb	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'
41.3"[2]	1.05	1,389	△	△	△	–	■	■	△	△	■	■	■	■	■	■	■	■	■	■	△	△	■	■	■	■	■	■	■	■
49.2"[2]	1.31	1,609	–	–	–	–	△	–	–	–	■	■	■	■	■	■	■	■	△	–	–	–	■	△	△	△	■	■	■	■
55.1"[2]	1.50	1,742	–	–	–	–	–	–	–	–	■	■	■	■	■	■	■	■	–	–	–	–	△	–	–	–	■	■	■	■
41.3"[3]	1.05	1,565	△	△	–	–	■	△	△	△	■	■	■	■	■	■	■	■	■	■	△	△	■	■	■	■	■	■	■	■
49.2"[3]	1.31	1,808	–	–	–	–	△	–	–	–	■	■	■	■	■	■	■	■	△	–	–	–	△	△	△	–	■	■	■	■
55.1"[3]	1.50	1,940	–	–	–	–	–	–	–	–	■	■	■	■	■	■	■	■	–	–	–	–	△	–	–	–	■	■	■	■
41.3"[4]	1.11	1,477	△	△	–	–	■	△	△	△	■	■	■	■	■	■	■	■	■	△	△	△	■	■	■	△	■	■	■	■
49.2"[4]	1.37	1,698	–	–	–	–	–	–	–	–	■	■	■	■	■	■	■	■	–	–	–	–	△	△	△	–	■	■	■	■
55.1"[4]	1.57	1,852	–	–	–	–	–	–	–	–	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	■	■	■	■

* 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 ■ = ≤ 3,034 lb/yd³, ■ = ≤ 2,528 lb/yd³, △ = ≤ 2,023 lb/yd³, – = not authorized

Lift Capacities

with Offset Two-Piece Boom 17'11"

Stick 7'5"

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised											
	Stabilizer blade down											
	Blade + 2 pt. outr. down											
	4 pt. outriggers down											
25	Stabilizers raised			11,0	11,7*					7,4	7,6*	18' 5"
	Stabilizer blade down			11,7*	11,7*					7,6*	7,6*	
	Blade + 2 pt. outr. down			11,7*	11,7*					7,6*	7,6*	
	4 pt. outriggers down			11,7*	11,7*					7,6*	7,6*	
20	Stabilizers raised			10,9	12,8*	6,7	11,1			4,9	6,8*	22' 8"
	Stabilizer blade down			12,0	12,8*	7,4	11,4*			5,5	6,8*	
	Blade + 2 pt. outr. down			12,8*	12,8*	11,2	11,4*			6,8*	6,8*	
	4 pt. outriggers down			12,8*	12,8*	11,4*	11,4*			6,8*	6,8*	
15	Stabilizers raised	18,7*	18,7*	10,5	15,6*	6,8	11,1	3,9	7,2	3,8	6,6*	25' 4"
	Stabilizer blade down	18,7*	18,7*	11,5	15,6*	7,5	12,9*	4,4	7,6*	4,3	6,6*	
	Blade + 2 pt. outr. down	18,7*	18,7*	15,6*	15,6*	11,1	12,9*	7,3	7,6*	6,6*	6,6*	
	4 pt. outriggers down	18,7*	18,7*	15,6*	15,6*	12,9	12,9*	7,6*	7,6*	6,6*	6,6*	
10	Stabilizers raised	18,1	27,5*	10,0	16,5	6,7	10,9	3,9	7,1	3,3	6,2	26' 7"
	Stabilizer blade down	20,1	27,5*	11,1	18,7*	7,4	14,2*	4,4	11,8*	3,7	6,8*	
	Blade + 2 pt. outr. down	27,5*	27,5*	16,5	18,7*	10,9	14,2*	7,2	11,8*	6,3	6,8*	
	4 pt. outriggers down	27,5*	27,5*	18,7*	18,7*	12,6	14,2*	8,6	11,8*	6,8*	6,8*	
5	Stabilizers raised	17,6	27,3*	9,8	16,2	6,5	10,8	3,7	6,9	3,0	5,9	26'11"
	Stabilizer blade down	19,6	27,3*	10,8	21,0*	7,2	15,2*	4,2	12,1*	3,4	7,2*	
	Blade + 2 pt. outr. down	27,3*	27,3*	16,2	21,1*	10,9	15,2*	7,0	12,1*	6,0	7,2*	
	4 pt. outriggers down	27,3*	27,3*	18,9	21,1*	12,5	15,2*	8,4	12,1*	7,2*	7,2*	
0	Stabilizers raised	17,2	31,4	9,5	16,3	5,9	10,4	3,4	6,6	3,0	6,0	26' 2"
	Stabilizer blade down	19,3	31,6*	10,6	21,5*	6,5	15,6*	3,9	12,0*	3,4	8,2*	
	Blade + 2 pt. outr. down	31,0	31,6*	16,3	21,5*	10,5	15,6*	6,7	12,0*	6,1	8,2*	
	4 pt. outriggers down	31,6*	31,6*	19,0	21,5*	12,5	15,6*	8,1	12,0*	7,4	8,2*	
– 5	Stabilizers raised	16,0	32,4	8,9	16,2	5,1	9,6			3,3	6,6	24' 6"
	Stabilizer blade down	18,0	35,3*	9,9	21,9*	5,8	16,0*			3,8	9,9*	
	Blade + 2 pt. outr. down	32,0	35,3*	16,2	21,9*	9,7	16,0*			6,7	9,9*	
	4 pt. outriggers down	35,3*	35,3*	19,8	21,9*	11,7	16,0*			8,1	9,9*	
–10	Stabilizers raised	15,7	32,5	7,9	15,0	4,7	9,1			4,1	8,1	21' 5"
	Stabilizer blade down	17,7	36,9*	8,9	22,4*	5,3	12,9*			4,7	9,9*	
	Blade + 2 pt. outr. down	31,8	36,9*	15,0	22,4*	9,2	12,9*			8,2	9,9*	
	4 pt. outriggers down	36,9*	36,9*	18,5	22,4*	11,2	12,9*			9,9*	9,9*	
–15	Stabilizers raised	14,7	24,9*							9,4	15,3*	13' 1"
	Stabilizer blade down	16,7	24,9*							10,6	15,3*	
	Blade + 2 pt. outr. down	24,8*	24,8*							15,3*	15,3*	
	4 pt. outriggers down	24,8*	24,8*							15,3*	15,3*	

Stick 8'

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised											
	Stabilizer blade down											
	Blade + 2 pt. outr. down											
	4 pt. outriggers down											
25	Stabilizers raised									6,8	6,9*	19' 5"
	Stabilizer blade down									6,9*	6,9*	
	Blade + 2 pt. outr. down									6,9*	6,9*	
	4 pt. outriggers down									6,9*	6,9*	
20	Stabilizers raised			11,0	11,7*	6,8	10,9*			4,6	6,2*	23' 6"
	Stabilizer blade down			11,7*	11,7*	7,5	10,9*			5,1	6,2*	
	Blade + 2 pt. outr. down			11,7*	11,7*	10,9*	10,9*			6,2*	6,2*	
	4 pt. outriggers down			11,7*	11,7*	10,9*	10,9*			6,2*	6,2*	
15	Stabilizers raised			10,5	14,8*	6,8	11,0	4,0	7,3	3,6	6,0*	25'11"
	Stabilizer blade down			11,6	14,8*	7,5	12,6*	4,5	8,6*	4,1	6,0*	
	Blade + 2 pt. outr. down			14,8*	14,8*	11,1	12,6*	7,3	8,6*	6,0*	6,0*	
	4 pt. outriggers down			14,8*	14,8*	12,6*	12,6*	8,6*	8,6*	6,0*	6,0*	
10	Stabilizers raised	18,1	28,1*	10,0	16,5	6,6	10,8	4,0	7,2	3,1	5,9	27' 2"
	Stabilizer blade down	20,1	28,1*	11,0	18,2*	7,3	13,9*	4,5	11,6*	3,5	6,2*	
	Blade + 2 pt. outr. down	28,1*	28,1*	16,5	18,2*	10,9	13,9*	7,3	11,6*	6,0	6,2*	
	4 pt. outriggers down	28,1*	28,1*	18,2*	18,2*	12,6	13,9*	8,7	11,6*	6,2*	6,2*	
5	Stabilizers raised	17,5	27,1*	9,7	16,1	6,7	10,7	3,8	7,0	2,8	5,6	27' 6"
	Stabilizer blade down	19,5	27,1*	10,7	20,7*	7,3	15,0*	4,3	12,0*	3,2	6,6*	
	Blade + 2 pt. outr. down	27,1*	27,1*	16,1	20,7*	10,8	15,0*	7,1	12,0*	5,7	6,6*	
	4 pt. outriggers down	27,1*	27,1*	18,8	20,7*	12,4	15,0*	8,5	12,0*	6,6*	6,6*	
0	Stabilizers raised	17,3	30,8*	9,6	16,2*	6,0	10,5	3,4	6,7	2,8	5,7	26'11"
	Stabilizer blade down	19,4	30,8*	10,6	21,4*	6,7	15,4*	3,9	12,1*	3,2	7,4*	
	Blade + 2 pt. outr. down	30,7	30,8*	16,2	21,4*	10,6	15,4*	6,7	12,1*	5,8	7,4*	
	4 pt. outriggers down	30,8*	30,8*	18,9	21,4*	12,6	15,4*	8,2	12,1*	7,1	7,4*	
– 5	Stabilizers raised	15,9	32,1	8,8	16,2	5,2	9,7	3,1	6,3	3,1	6,2	25' 2"
	Stabilizer blade down	18,0	35,0*	9,8	21,7*	5,9	15,8*	3,6	10,2*	3,5	8,8*	
	Blade + 2 pt. outr. down	31,7	35,0*	16,2	21,7*	9,8	15,8*	6,4	10,2*	6,3	8,8*	
	4 pt. outriggers down	35,0*	35,0*	19,5	21,7*	11,8	15,8*	7,8	10,2*	7,7	8,8*	
–10	Stabilizers raised	15,5	32,4	8,0	15,1	4,7	9,1			3,8	7,6	22' 2"
	Stabilizer blade down	17,6	36,4*	8,9	22,6*	5,3	14,0*			4,4	9,7*	
	Blade + 2 pt. outr. down	31,7	36,4*	15,1	22,6*	9,2	14,0*			7,7	9,7*	
	4 pt. outriggers down	36,4*	36,4*	18,7	22,6*	11,2	14,0*			9,4	9,7*	
–15	Stabilizers raised	14,6	28,1*	7,5	13,2*					7,2	12,4*	15' 4"
	Stabilizer blade down	16,6	28,1*	8,4	13,2*					8,1	12,4*	
	Blade + 2 pt. outr. down	28,0*	28,0*	13,2*	13,2*					12,4*	12,4*	
	4 pt. outriggers down	28,0*	28,0*	13,2*	13,2*					12,4*	12,4*	

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

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool 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 based on 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 lift hook on the quick coupler (max. 26,500 lb). Without the quick coupler, lift capacities will increase by up to 500 lb.

Lift Capacities

with Offset Two-Piece Boom 17'11"

Stick 8'8"

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
	Stabilizers raised									8,1*	8,1*	
30	Stabilizer blade down									8,1*	8,1*	13' 5"
	Blade + 2 pt. outr. down									8,1*	8,1*	
	4 pt. outriggers down									8,1*	8,1*	
	Stabilizers raised					6,5	6,9*			6,3	6,3*	
25	Stabilizer blade down					6,9*	6,9*			6,3*	6,3*	20' 4"
	Blade + 2 pt. outr. down					6,9*	6,9*			6,3*	6,3*	
	4 pt. outriggers down					6,9*	6,9*			6,3*	6,3*	
	Stabilizers raised					6,9	10,4*			4,3	5,7*	
20	Stabilizer blade down					7,6	10,4*			4,8	5,7*	24' 2"
	Blade + 2 pt. outr. down					10,4*	10,4*			5,7*	5,7*	
	4 pt. outriggers down					10,4*	10,4*			5,7*	5,7*	
	Stabilizers raised			10,5	13,1*	6,8	11,0	4,1	7,3	3,4	5,5*	
15	Stabilizer blade down			11,6	13,1*	7,4	12,2*	4,6	9,0*	3,8	5,5*	26' 7"
	Blade + 2 pt. outr. down			13,1*	13,1*	11,1	12,2*	7,4	9,0*	5,5*	5,5*	
	4 pt. outriggers down			13,1*	13,1*	12,2*	12,2*	8,8	9,0*	5,5*	5,5*	
	Stabilizers raised	18,2	28,2*	10,0	16,5	6,6	10,8	4,1	7,3	2,9	5,6*	
10	Stabilizer blade down	20,2	28,2*	11,0	17,6*	7,3	13,5*	4,6	11,4*	3,3	5,6*	27'11"
	Blade + 2 pt. outr. down	28,3*	28,3*	16,4	17,7*	10,8	13,6*	7,4	11,4*	5,6*	5,6*	
	4 pt. outriggers down	28,3*	28,3*	17,7*	17,7*	12,5	13,6*	8,7	11,4*	5,6*	5,6*	
	Stabilizers raised	17,4	26,9*	9,7	16,0	6,6	10,6	3,9	7,1	2,7	5,4	
5	Stabilizer blade down	19,4	26,9*	10,7	20,4*	7,2	14,8*	4,3	11,8*	3,1	6,0*	28' 2"
	Blade + 2 pt. outr. down	26,9*	26,9*	16,0	20,4*	10,7	14,8*	7,2	11,8*	5,5	6,0*	
	4 pt. outriggers down	26,9*	26,9*	18,7	20,4*	12,3	14,8*	8,5	11,8*	6,0*	6,0*	
	Stabilizers raised	17,4	30,1*	9,6	16,1	6,2	10,6	3,5	6,7	2,7	5,4	
0	Stabilizer blade down	19,4	30,1*	10,7	21,3*	6,8	15,3*	4,0	12,0*	3,1	6,6*	27' 7"
	Blade + 2 pt. outr. down	30,2*	30,2*	16,1	21,3*	10,7	15,3*	6,8	12,0*	5,5	6,7*	
	4 pt. outriggers down	30,2*	30,2*	18,7	21,3*	12,5	15,3*	8,2	12,0*	6,7*	6,7*	
	Stabilizers raised	16,0	31,8	8,8	16,2	5,3	9,8	3,2	6,3	2,9	5,9	
– 5	Stabilizer blade down	18,0	34,5*	9,8	21,6*	6,0	15,6*	3,6	11,1*	3,3	7,9*	25'11"
	Blade + 2 pt. outr. down	31,4	34,5*	16,2	21,6*	9,9	15,6*	6,4	11,1*	6,0	7,9*	
	4 pt. outriggers down	34,5*	34,5*	19,3	21,6*	11,9	15,6*	7,9	11,1*	7,4	7,9*	
	Stabilizers raised	15,4	32,2	8,1	15,3	4,7	9,1			3,5	7,1	
–10	Stabilizer blade down	17,5	35,9*	9,1	22,6*	5,3	14,7*			4,1	9,5*	23'
	Blade + 2 pt. outr. down	31,6	35,9*	15,3	22,6*	9,2	14,7*			7,2	9,5*	
	4 pt. outriggers down	35,9*	35,9*	18,8	22,6*	11,2	14,7*			8,8	9,5*	
	Stabilizers raised	14,6	30,8*	7,4	14,5					6,0	10,7*	
–15	Stabilizer blade down	16,6	30,8*	8,4	15,6*					6,8	10,7*	17' 1"
	Blade + 2 pt. outr. down	30,5	30,7*	14,5	15,6*					10,7*	10,7*	
	4 pt. outriggers down	30,7*	30,7*	15,6*	15,6*					10,7*	10,7*	

Stick 10'

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
	Stabilizers raised											
30	Stabilizer blade down											
	Blade + 2 pt. outr. down											
	4 pt. outriggers down											
	Stabilizers raised					6,4*	6,4*			5,1*	5,1*	
25	Stabilizer blade down					6,4*	6,4*			5,1*	5,1*	21'
	Blade + 2 pt. outr. down					6,4*	6,4*			5,1*	5,1*	
	4 pt. outriggers down					6,4*	6,4*			5,1*	5,1*	
	Stabilizers raised					7,0	8,9*			4,2	4,8*	
20	Stabilizer blade down					7,6	8,9*			4,7	4,8*	24'10"
	Blade + 2 pt. outr. down					8,9*	8,9*			4,8*	4,8*	
	4 pt. outriggers down					8,9*	8,9*			4,8*	4,8*	
	Stabilizers raised			10,6	11,5*	6,8	10,9*	4,3	7,4	3,3	4,7*	
15	Stabilizer blade down			11,5*	11,5*	7,5	10,9*	4,8	8,0*	3,8	4,7*	27' 1"
	Blade + 2 pt. outr. down			11,5*	11,5*	10,9*	10,9*	7,5	8,0*	4,7*	4,7*	
	4 pt. outriggers down			11,5*	11,5*	10,9*	10,9*	8,0*	8,0*	4,7*	4,7*	
	Stabilizers raised	18,4	25,5*	10,0	16,5	6,5	10,7	4,2	7,3	2,8	4,9*	
10	Stabilizer blade down	20,4	25,5*	11,0	16,6*	7,2	12,9*	4,7	10,5*	3,2	4,9*	28' 5"
	Blade + 2 pt. outr. down	25,5*	25,5*	16,5	16,6*	10,8	13,0*	7,4	10,5*	4,9*	4,9*	
	4 pt. outriggers down	25,5*	25,5*	16,6*	16,6*	12,5	13,0*	8,7	10,5*	4,9*	4,9*	
	Stabilizers raised	17,3	28,0*	9,6	16,0	6,4	10,5	3,9	7,1	2,6	5,2	
5	Stabilizer blade down	19,3	28,0*	10,6	19,7*	7,1	14,4*	4,4	11,5*	2,9	5,3*	28' 8"
	Blade + 2 pt. outr. down	28,0*	28,0*	15,9	19,7*	10,6	14,4*	7,2	11,5*	5,3	5,3*	
	4 pt. outriggers down	28,0*	28,0*	18,7	19,7*	12,2	14,4*	8,5	11,5*	5,3*	5,3*	
	Stabilizers raised	17,2	29,9*	9,5	15,9	6,2	10,6*	3,5	6,7	2,5	5,2	
0	Stabilizer blade down	19,2	29,9*	10,5	21,0*	6,9	15,1*	4,0	11,8*	2,9	6,1*	28' 1"
	Blade + 2 pt. outr. down	29,9*	29,9*	15,9	21,0*	10,7	15,1*	6,8	11,8*	5,3	6,1*	
	4 pt. outriggers down	29,9*	29,9*	18,5	21,0*	12,3	15,1*	8,2	11,8*	6,1*	6,1*	
	Stabilizers raised	16,1	31,3	8,9	16,2	5,3	9,9	3,1	6,3	2,7	5,6	
– 5	Stabilizer blade down	18,1	33,6*	9,9	21,3*	6,0	15,3*	3,6	11,5*	3,1	7,4*	26' 5"
	Blade + 2 pt. outr. down	30,9	33,6*	16,2	21,3*	9,9	15,3*	6,4	11,4*	5,7	7,4*	
	4 pt. outriggers down	33,6*	33,6*	18,9	21,3*	11,9	15,3*	7,8	11,4*	7,0	7,4*	
	Stabilizers raised	15,3	32,1	8,0	15,3	4,6	9,0			3,2	6,7	
–10	Stabilizer blade down	17,3	35,3*	9,0	22,0*	5,2	15,3*			3,7	10,0*	23' 7"
	Blade + 2 pt. outr. down	31,5	35,3*	15,3	22,0*	9,1	15,3*			6,8	10,0*	
	4 pt. outriggers down	35,3*	35,3*	18,8	22,0*	11,1	15,3*			8,3	10,0*	
	Stabilizers raised	14,2	30,6	7,1	14,2					4,7	9,0*	
–15	Stabilizer blade down	16,2	33,2*	8,1	18,0*					5,4	9,0*	19' 1"
	Blade + 2 pt. outr. down	30,0	33,2*	14,2	18,0*					9,0*	9,0*	
	4 pt. outriggers down	33,2*	33,2*	17,7	18,0*					9,0*	9,0*	

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

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool 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 based on 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 lift hook on the quick coupler (max. 26,500 lb). Without the quick coupler, lift capacities will increase by up to 500 lb.

Lift Capacities

with Offset Two-Piece Boom 17'11", EW-Undercarriage

Stick 7'5"

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down											
25	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			11,7* 11,7* 11,7*	11,7* 11,7* 11,7*					7,6* 7,6* 7,6*	7,6* 7,6* 7,6*	18' 5"
20	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			12,0 12,8* 12,8*	12,8* 12,8* 12,8*	7,4 8,1 11,4*	11,2 11,4* 11,4*			5,5 6,1 6,8*	6,8* 6,8* 6,8*	22' 8"
15	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	18,7* 18,7* 18,7*	18,7* 18,7* 18,7*	11,6 12,7 15,6*	15,6* 15,6* 15,6*	7,5 8,3 11,6	11,1 12,9* 12,9*	4,4 5,0 7,6*	7,2 7,6* 7,6*	4,3 4,8 6,6*	6,6* 6,6* 6,6*	25' 4"
10	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	20,2* 22,2 27,5*	27,5* 27,5* 27,5*	11,1 12,2 17,2	16,6 18,7* 18,7*	7,4 8,1 11,3	10,9 14,2* 14,2*	4,4 4,9 7,6	7,2 11,8* 11,8*	3,7 4,2 6,6	6,3 6,8* 6,8*	26' 7"
5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	19,7 21,7 27,3*	27,3* 27,3* 27,3*	10,9 12,0 16,9	16,3 21,0* 21,1*	7,2 8,0 11,3	10,9 15,2* 15,2*	4,2 4,7 7,4	7,0 12,1* 12,1*	3,5 3,9 6,3	6,0 7,2* 7,2*	26'11"
0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	19,4 21,8 31,6*	31,6* 31,6* 31,6*	10,6 11,8 17,0	16,5 21,5* 21,5*	6,6 7,3 11,0	10,5 15,6* 15,6*	3,9 4,4 7,1	6,7 12,0* 12,0*	3,5 3,9 6,4	6,0 8,2* 8,2*	26' 2"
– 5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	18,1 20,5 33,5	32,6 35,3* 35,3*	9,9 11,0 17,0	16,3 21,9* 21,9*	5,8 6,5 10,2	9,7 16,0* 16,0*			3,8 4,3 7,0	6,6 9,9* 9,9*	24' 6"
–10	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	17,8 20,2 34,1	32,8 36,9* 36,9*	8,9 10,0 15,9	15,2 22,4* 22,4*	5,4 6,1 9,7	9,2 12,9* 12,9*			4,7 5,4 8,7	8,2 9,9* 9,9*	21' 5"
–15	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	16,8 19,1 24,8*	24,9* 24,9* 24,8*							10,6 12,0 15,3*	15,3* 15,3* 15,3*	13' 1"

Stick 8'

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down											
25	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down									6,9* 6,9* 6,9*	6,9* 6,9* 6,9*	19' 5"
20	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			11,7* 11,7* 11,7*	11,7* 11,7* 11,7*	7,5 8,2 10,9*	10,9* 10,9* 10,9*			5,2 5,7 6,2*	6,2* 6,2* 6,2*	23' 6"
15	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			11,6 12,7 14,8*	14,8* 14,8* 14,8*	7,5 8,2 11,5	11,1 12,6* 12,6*	4,5 5,1 7,7	7,3 8,6* 8,6*	4,1 4,6 6,0*	6,0* 6,0* 6,0*	25'11"
10	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	20,2 22,2 28,1*	28,1* 28,1* 28,1*	11,1 12,2 17,2	16,6 18,2* 18,2*	7,3 8,1 11,3	10,9 13,9* 13,9*	4,5 5,0 7,7	7,3 11,6* 11,6*	3,5 4,0 6,2*	6,0 6,2* 6,2*	27' 2"
5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	19,6 21,5 27,1*	27,1* 27,1* 27,1*	10,8 11,9 16,8	16,2 20,7* 20,7*	7,3 8,1 11,2	10,8 15,0* 15,0*	4,3 4,8 7,5	7,1 12,0* 12,0*	3,3 3,7 6,0	5,7 6,6* 6,6*	27' 6"
0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	19,5 21,7 30,8*	30,8* 30,8* 30,8*	10,7 11,8 16,9	16,3 21,4* 21,4*	6,7 7,4 11,1	10,6 15,4* 15,4*	3,9 4,5 7,1	6,7 12,1* 12,1*	3,3 3,7 6,1	5,8 7,4* 7,4*	26'11"
– 5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	18,1 20,5 33,1	32,3 35,0* 35,0*	9,9 11,0 17,0	16,3 21,7* 21,7*	5,9 6,6 10,3	9,8 15,8* 15,8*	3,6 4,2 6,8	6,4 10,2* 10,2*	3,6 4,1 6,7	6,3 8,8* 8,8*	25' 2"
–10	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	17,7 20,1 33,9	32,6 36,4* 36,4*	9,0 10,1 16,0	15,3 22,6* 22,6*	5,3 6,1 9,7	9,2 14,0* 14,0*			4,4 5,0 8,1	7,7 9,7* 9,7*	22' 2"
–15	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	16,7 19,1 28,0*	28,1* 28,1* 28,0*	8,5 9,6 13,2*	13,2* 13,2* 13,2*					8,2 9,2 12,4*	12,4* 12,4* 12,4*	15' 4"

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

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool 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 based on 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 lift hook on the quick coupler (max. 26,500 lb). Without the quick coupler, lift capacities will increase by up to 500 lb.

Lift Capacities

with Offset Two-Piece Boom 17'11", EW-Undercarriage

Stick 8'8"

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised									8,1*	8,1*	
	Stabilizer blade down									8,1*	8,1*	13' 5"
	Blade + 2 pt. outr. down									8,1*	8,1*	
25	Stabilizers raised					6,9*	6,9*			6,3*	6,3*	
	Stabilizer blade down					6,9*	6,9*			6,3*	6,3*	20' 4"
	Blade + 2 pt. outr. down					6,9*	6,9*			6,3*	6,3*	
20	Stabilizers raised					7,6	10,4*			4,9	5,7*	
	Stabilizer blade down					8,3	10,4*			5,4	5,7*	24' 2"
	Blade + 2 pt. outr. down					10,4*	10,4*			5,7*	5,7*	
15	Stabilizers raised			11,6	13,1*	7,5	11,1	4,6	7,4	3,9	5,5*	
	Stabilizer blade down			12,8	13,1*	8,2	12,2*	5,2	9,0*	4,4	5,5*	26' 7"
	Blade + 2 pt. outr. down			13,1*	13,1*	11,5	12,2*	7,8	9,0*	5,5*	5,5*	
10	Stabilizers raised	20,3	28,2*	11,1	16,6	7,3	10,8	4,6	7,4	3,3	5,6*	
	Stabilizer blade down	22,3	28,2*	12,2	17,6*	8,0	13,5*	5,1	11,4*	3,8	5,6*	27'11"
	Blade + 2 pt. outr. down	28,3*	28,3*	17,2	17,7*	11,3	13,6*	7,7	11,4*	5,6*	5,6*	
5	Stabilizers raised	19,5	26,9*	10,7	16,2	7,2	10,7	4,4	7,1	3,1	5,5	
	Stabilizer blade down	21,5	26,9*	11,9	20,4*	8,0	14,8*	4,9	11,8*	3,5	6,0*	28' 2"
	Blade + 2 pt. outr. down	26,9*	26,9*	16,7	20,4*	11,1	14,8*	7,5	11,8*	5,8	6,0*	
0	Stabilizers raised	19,5	30,1*	10,7	16,2	6,9	10,7	4,0	6,8	3,1	5,5	
	Stabilizer blade down	21,5	30,1*	11,9	21,3*	7,6	15,3*	4,5	12,0*	3,5	6,6*	27' 7"
	Blade + 2 pt. outr. down	30,2*	30,2*	16,7	21,3*	11,2	15,3*	7,2	12,0*	5,9	6,7*	
– 5	Stabilizers raised	18,1	32,0	9,9	16,3	6,0	9,9	3,6	6,4	3,4	6,0	
	Stabilizer blade down	20,5	34,5*	11,0	21,6*	6,7	15,6*	4,2	11,1*	3,8	7,9*	25'11"
	Blade + 2 pt. outr. down	32,8	34,5*	17,0	21,6*	10,4	15,6*	6,8	11,1*	6,4	7,9*	
–10	Stabilizers raised	17,6	32,5	9,1	15,4	5,4	9,2			4,1	7,2	
	Stabilizer blade down	20,0	35,9*	10,2	22,6*	6,1	14,7*			4,7	9,5*	23'
	Blade + 2 pt. outr. down	33,8	35,9*	16,1	22,6*	9,7	14,7*			7,6	9,5*	
–15	Stabilizers raised	16,7	30,8*	8,4	14,6					6,8	10,7*	
	Stabilizer blade down	19,0	30,8*	9,5	15,6*					7,7	10,7*	17' 1"
	Blade + 2 pt. outr. down	30,7*	30,7*	15,4	15,6*					10,7*	10,7*	

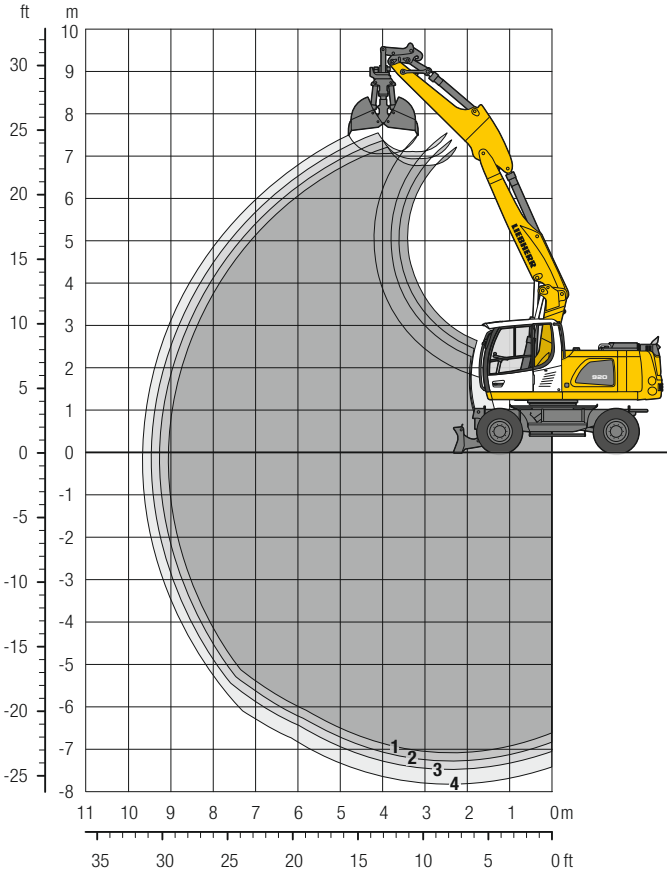
Stick 10'

ft	Undercarriage	10 ft		15 ft		20 ft		25 ft				ft in
30	Stabilizers raised											
	Stabilizer blade down											
	Blade + 2 pt. outr. down											
25	Stabilizers raised					6,4*	6,4*			5,1*	5,1*	
	Stabilizer blade down					6,4*	6,4*			5,1*	5,1*	21'
	Blade + 2 pt. outr. down					6,4*	6,4*			5,1*	5,1*	
20	Stabilizers raised					7,7	8,9*			4,7	4,8*	
	Stabilizer blade down					8,3	8,9*			4,8*	4,8*	24'10"
	Blade + 2 pt. outr. down					8,9*	8,9*			4,8*	4,8*	
15	Stabilizers raised			11,5*	11,5*	7,5	10,9*	4,8	7,4	3,8	4,7*	
	Stabilizer blade down			11,5*	11,5*	8,2	10,9*	5,3	8,0*	4,2	4,7*	27' 1"
	Blade + 2 pt. outr. down			11,5*	11,5*	10,9*	10,9*	7,8	8,0*	4,7*	4,7*	
10	Stabilizers raised	20,5	25,5*	11,1	16,6*	7,2	10,8	4,7	7,4	3,2	4,9*	
	Stabilizer blade down	22,5	25,5*	12,2	16,6*	8,0	12,9*	5,2	10,5*	3,7	4,9*	28' 5"
	Blade + 2 pt. outr. down	25,5*	25,5*	16,6*	16,6*	11,2	13,0*	7,8	10,5*	4,9*	4,9*	
5	Stabilizers raised	19,4	28,0*	10,7	16,1	7,1	10,6	4,4	7,2	3,0	5,3	
	Stabilizer blade down	21,4	28,0*	11,8	19,7*	7,9	14,4*	5,0	11,5*	3,4	5,3*	28' 8"
	Blade + 2 pt. outr. down	28,0*	28,0*	16,6	19,7*	11,0	14,4*	7,5	11,5*	5,3*	5,3*	
0	Stabilizers raised	19,3	29,9*	10,6	16,0	6,9	10,7	4,0	6,8	2,9	5,3	
	Stabilizer blade down	21,3	29,9*	11,7	21,0*	7,7	15,1*	4,5	11,8*	3,4	6,1*	28' 1"
	Blade + 2 pt. outr. down	29,9*	29,9*	16,5	21,0*	11,1	15,1*	7,2	11,8*	5,6	6,1*	
– 5	Stabilizers raised	18,2	31,5	9,9	16,4	6,0	10,0	3,6	6,4	3,1	5,7	
	Stabilizer blade down	20,7	33,6*	11,1	21,3*	6,7	15,3*	4,1	11,5*	3,6	7,4*	26' 5"
	Blade + 2 pt. outr. down	32,3	33,6*	17,0	21,3*	10,4	15,3*	6,8	11,4*	6,1	7,4*	
–10	Stabilizers raised	17,5	32,4	9,1	15,4	5,2	9,1			3,7	6,7	
	Stabilizer blade down	19,8	35,3*	10,2	22,0*	6,0	15,3*			4,3	10,0*	23' 7"
	Blade + 2 pt. outr. down	33,7	35,3*	16,1	22,0*	9,6	15,3*			7,2	10,0*	
–15	Stabilizers raised	16,3	30,9	8,2	14,3					5,4	9,0*	
	Stabilizer blade down	18,6	33,2*	9,2	18,0*					6,2	9,0*	19' 1"
	Blade + 2 pt. outr. down	32,2	33,2*	15,1	18,0*					9,0*	9,0*	

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

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool 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 based on 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 lift hook on the quick coupler (max. 26,500 lb). Without the quick coupler, lift capacities will increase by up to 500 lb.

Clamshell Grab
with Two-Piece Boom 17'9"



Digging Envelope

with quick coupler		1	2	3	4
Stick length	**ft in**	7'5"	8'	8'8"	10'
Max. digging depth	**ft in**	23'4"	23'11"	24'7"	25' 9"
Max. reach at ground level	**ft in**	29'8"	30' 4"	31'	31'10"
Max. dumping height	**ft in**	22'4"	22'10"	23'5"	23' 4"

Clamshell Grab GM 10B

Max. tooth force	16,411 lbf (16,300 lb)
Max. torque of hydr. swivel	1,298 lbf ft

Operating Weight

The operating weight includes the basic machine with 8 tires plus intermediate rings, two-piece boom 17'9", stick 8', quick coupler SWA 48 and clamshell grab GM 10B/0.59 yd³ (31.5" without ejector).

Undercarriage versions	Weight (lb)
A 920 Litronic with stabilizer blade	42,500
A 920 Litronic with stabilizer blade + 2 pt. outriggers	46,700
A 920 Litronic with 4 pt. outriggers	46,700
A 920 EW Litronic with stabilizer blade	43,000
A 920 EW Litronic with stabilizer blade + 2 pt. outriggers	47,000

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

Width of clamshells	Capacity	Weight	Stabilizers raised				Stabilizer blade down				Stabilizer blade + 2 pt. outriggers down				4 point outriggers down				EW Stabilizers raised				EW Stabilizer blade down				EW Stabilizer blade + 2 pt. outriggers down			
			Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)			
in	yd³	lb	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'
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	■	■	△	△	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
39.4"[1][3]	1.31	2,293	–	–	–	–	△	–	–	–	■	■	■	■	■	■	■	■	△	–	–	–	△	△	△	–	■	■	■	■
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

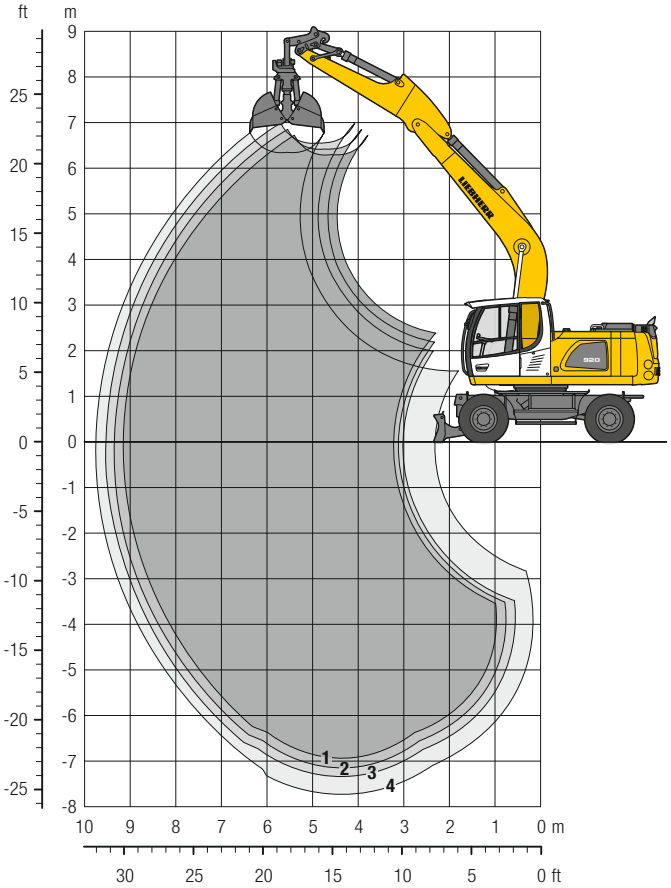
[1] without ejector

[2] with ejector

[3] Shells for loose material

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

Clamshell Grab
with Mono Boom 18'4"



Digging Envelope

with quick coupler		1	2	3	4
Stick length	ft in	7' 5"	8'	8'8"	10'
Max. digging depth	ft in	22'10"	23'5"	24'1"	25' 5"
Max. reach at ground level	ft in	30'	30'8"	31'4"	32'
Max. dumping height	ft in	20' 8"	21'2"	21'6"	20'10"

Clamshell Grab GM 10B

Max. tooth force	16,411 lbf (16,300 lb)
Max. torque of hydr. swivel	1,298 lbf ft

Operating Weight

The operating weight includes the basic machine with 8 tires plus intermediate rings, mono boom 18'4", stick 8', quick coupler SWA 48 and clamshell grab GM 10B/0.59 yd³ (31.5" without ejector).

Undercarriage versions	Weight (lb)
A 920 Litronic with stabilizer blade	41,200
A 920 Litronic with stabilizer blade + 2 pt. outriggers	45,000
A 920 Litronic with 4 pt. outriggers	45,000
A 920 EW Litronic with stabilizer blade	41,400
A 920 EW Litronic with stabilizer blade + 2 pt. outriggers	45,200

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

Width of clamshells	Capacity	Weight	Stabilizers raised				Stabilizer blade down				Stabilizer blade + 2 pt. outriggers down				4 point outriggers down				EW Stabilizers raised				EW Stabilizer blade down				EW Stabilizer blade + 2 pt. outriggers down			
			Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)			
in	yd³	lb	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'
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	■	■	△	△	■	■	■	■	■	■	■	■	■	■	■	■	■	■	△	△	■	■	■	■	■	■	■	■
39.4"[1][3]	1.31	2,293	–	–	–	–	–	–	–	–	■	■	■	△	■	■	■	△	–	–	–	–	■	■	■	△	■	■	■	△
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] Shells for loose material

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

Attachments
Clamshell Grabs

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

Width of clamshells	Capacity	Weight	Stabilizers raised				Stabilizer blade down				Stabilizer blade + 2 pt. outriggers down				4 point outriggers down				EW Stabilizers raised				EW Stabilizer blade down				EW Stabilizer blade + 2 pt. outriggers down			
			Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)			
in	yd³	lb	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'
Offset two-piece boom 17'11"																														
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	△	△	△	–	■	■	■	△	■	■	■	■	■	■	■	■	■	■	■	△	■	■	■	■	■	■	■	■
39.4"[1][3]	1.31	2,293	–	–	–	–	–	–	–	–	■	■	■	■	■	■	■	■	–	–	–	–	△	–	–	–	■	■	■	■
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] Shells for loose material

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

Attachments

Ditch Cleaning Buckets / Tilt Buckets

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

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised				Stabilizer blade down				Stabilizer blade + 2 pt. outriggers down				4 point outriggers down				EW Stabilizers raised				EW Stabilizer blade down				EW Stabilizer blade + 2 pt. outriggers down			
			Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)			
in	yd³	lb	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'
Two-piece boom 17'9"																														
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]	0.92	1,146	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
78.7"[2]	0.92	1,940	■	△	△	△	■	■	■	△	■	■	■	■	■	■	■	■	■	■	■	△	■	■	■	■	■	■	■	■
78.7"[2]	1.31	2,072	–	–	–	–	△	–	–	–	■	■	■	■	■	■	■	■	△	△	–	–	■	△	△	–	■	■	■	■
86.6"[2]	1.05	1,940	△	△	–	–	■	■	△	△	■	■	■	■	■	■	■	■	■	■	△	△	■	■	■	■	■	■	■	■
86.6"[2]	1.50	2,161	–	–	–	–	–	–	–	–	■	■	■	■	■	■	■	■	–	–	–	–	△	△	–	–	■	■	■	■
94.5"[2]	1.11	1,962	△	△	–	–	■	△	△	–	■	■	■	■	■	■	■	■	■	△	△	△	■	■	■	△	■	■	■	■
Mono boom 18'4"																														
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]	0.92	1,146	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
78.7"[2]	0.92	1,940	■	△	△	–	■	■	■	△	■	■	■	■	■	■	■	■	■	△	△	△	■	■	■	■	■	■	■	■
78.7"[2]	1.31	2,072	–	–	–	–	△	–	–	–	■	■	■	■	■	■	■	■	–	–	–	–	■	■	■	■	■	■	■	■
86.6"[2]	1.05	1,940	△	△	–	–	■	■	△	△	■	■	■	■	■	■	■	■	△	△	–	△	■	■	■	■	■	■	■	■
86.6"[2]	1.50	2,161	–	–	–	–	–	–	–	–	■	■	■	■	■	■	■	△	–	–	–	–	■	■	■	△	■	■	■	△
94.5"[2]	1.11	1,962	△	△	–	–	■	△	△	–	■	■	■	■	■	■	■	■	△	△	–	–	■	■	■	■	■	■	■	■
Offset two-piece boom 17'11"																														
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]	0.92	1,146	■	■	■	△	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
78.7"[2]	0.92	1,940	△	△	–	–	■	■	△	△	■	■	■	■	■	■	■	■	■	■	△	△	■	■	■	■	■	■	■	■
78.7"[2]	1.31	2,072	–	–	–	–	–	–	–	–	■	■	■	■	■	■	■	■	–	–	–	–	△	△	–	–	■	■	■	■
86.6"[2]	1.05	1,940	–	–	–	–	△	△	△	–	■	■	■	■	■	■	■	■	△	△	△	–	■	■	■	△	■	■	■	■
86.6"[2]	1.50	2,161	–	–	–	–	–	–	–	–	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	■	■	■	■
94.5"[2]	1.11	1,962	–	–	–	–	△	△	–	–	■	■	■	■	■	■	■	■	△	△	–	–	■	■	△	△	■	■	■	■

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

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised				Stabilizer blade down				Stabilizer blade + 2 pt. outriggers down				4 point outriggers down				EW Stabilizers raised				EW Stabilizer blade down				EW Stabilizer blade + 2 pt. outriggers down			
			Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)			
in	yd³	lb	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'
Two-piece boom 17'9"																														
59.1"[2]	1.57	2,138	–	–	–	–	–	–	–	–	■	■	■	■	■	■	■	■	–	–	–	–	△	–	–	–	■	■	■	■
63.0"[2]	1.05	1,808	△	△	△	–	■	■	△	△	■	■	■	■	■	■	■	■	■	■	■	△	■	■	■	■	■	■	■	■
63.0"[2]	1.31	1,962	–	–	–	–	△	△	–	–	■	■	■	■	■	■	■	■	△	△	–	–	■	△	△	△	■	■	■	■
Mono boom 18'4"																														
59.1"[2]	1.57	2,138	–	–	–	–	–	–	–	–	■	■	■	△	■	■	■	△	–	–	–	–	■	■	■	△	■	■	■	△
63.0"[2]	1.05	1,808	△	△	△	–	■	■	△	△	■	■	■	■	■	■	■	■	△	△	△	△	■	■	■	■	■	■	■	■
63.0"[2]	1.31	1,962	–	–	–	–	△	△	–	–	■	■	■	■	■	■	■	■	–	–	–	–	■	■	■	■	■	■	■	■
Offset two-piece boom 17'11"																														
59.1"[2]	1.57	2,138	–	–	–	–	–	–	–	–	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	■	■	■	■
63.0"[2]	1.05	1,808	△	–	–	–	■	△	△	–	■	■	■	■	■	■	■	■	■	△	△	–	△	■	■	△	■	■	■	■
63.0"[2]	1.31	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] comparable with SAE (heaped)

[2] with 2 x 50° rotator

[3] rigid ditch cleaning bucket

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

Equipment

Undercarriage

Dual-circuit braking system	•
Stabilizer blade rear	+
Stabilizer blade front, outriggers rear	+
Lighting trailer coupling	+
Trailer coupling with bolt, automatic	+
Digging brake, automatic	•
Tires (twin tires) Liebherr EM 22 290/90-20	+
Individual control outriggers	+
Travel speed levels (four)	•
Tilt function of trailer, hydraulic	+
Mudguards (rear and front) [1)]	+
Load holding valve on each stabilization cylinder	•
Powershift transmission, semiautomatic	•
Parking brake, maintenance-free	•
Tires, variants	+
Protection for piston rods, stabilizer cylinder	+
Speeder **	+
Storage compartment left – lockable	•
Storage compartment right – lockable	+
Undercarriage EW 9'	+
Tool equipment, extended	+

Uppercarriage

Uppercarriage right side light, 1 piece, LED	+
Uppercarriage rear light, 2 pieces, LED	+
Refuelling system with filling pump	+
Main battery switch for electrical system	•
Engine hood with gas spring	•
Amber beacon, at uppercarriage, LED double flash	+
Service doors, lockable	•

Hydraulic System

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 –4 °F to +104 °F	•
Liebherr hydraulic oil, biologically degradable	+
Liebherr hydraulic oil, specially for warm or cold regions	+
Bypass filter	+
Switchover high pressure circuit and tipping cylinder	+
Switchover high pressure circuit and two-piece boom	+

Diesel Engine

Fuel anti-theft device	+
Liebherr particle filter	+
Reversible fan drive, fully automatic	+
Air pre-filter with dust discharge	+
Automatic engine shut-down (time adjustable)	+
Preheating fuel	+
Preheating coolant	+
Preheating engine oil	+

Operator's Cab

Storage compartment	•
Stabilizer, proportional control on left joystick	•
Cab lights rear, LED	+
Cab lights front, halogen (under rain cover)	•
Cab lights front, LED (above rain cover)	+
Cab lights front, LED (under rain cover)	+
Exterior mirror, electrical adjustable, with heating	+
Mechanical hour meters, readable from outside the cab	•
Roof window made from impact-resistant laminated safety glass	+
Slewing gear brake Comfort, button on the right joystick	+
Operator's seat Standard	•
Operator's seat Comfort	+
Operator's seat Premium	+
Driving alarm (acoustic signal is emitted during travel, can be switched ON/OFF)	+
Fire extinguisher	+
Front screen made from impact-resistant laminated safety glass – not adjustable	+
Windscreen retractable (including upper part)	•
Intermittent windscreen wiper with wiper washer	•
Cruise control	•
Rubber floor mat, removable	•
Dome light	•
Joystick steering	+
Coat hook	•
Automatic air conditioning	•
Fuel consumption indicator	•
Electric cooler	+
Steering wheel, wide version (cost-neutral option)	+
Steering column adjustable horizontally	•
LiDAT, vehicle fleet management	•
Emergency exit rear window	•
Positioning swing brake	+
Proportional control	•
Radio Comfort, control via display with handsfree set	+
Preparation for radio installation	•
Rain cover over front window opening	•
ROPS cab protection	•
Back-up alarm (acoustic signal is emitted traveling backward, can not be switched off)	+
Amber beacon, on cabin, LED double flash	+
All tinted windows	•
Windscreen wiper, roof	+
Windshield wiper, entire windscreen	•
Door with sliding window	•
Top guard	+
Front guard	+
Right side window and windshield made from laminated safety glass	•
Sun visor	+
Sun blind	•
Auxiliary heating, adjustable (week time switch)	+
Left control console, folding	•
Electronic immobilizer	+
Cigarette lighter	•

Equipment

Attachment

Boom lights, 2 pieces, halogen	•
Boom lights, 2 pieces, LED	+
Stick lights, 2 pieces, LED	+
High pressure circuit incl. unpressurized return line and Tool Control	+
Electronic lift limitation	+
Security for hoist cylinder for hydraulic tools	+
Load holding valve bucket cylinder	+
Load lug on stick	+
Leak oil line, additional for working tools	+
Liebherr ditch cleaning bucket	+
Liebherr quick coupler, hydraulic or mechanical	+
Liebherr tilt bucket	+
Liebherr tilt rotator	+
Liebherr sorting grab	+
Liebherr backhoe bucket	+
Liebherr tooth system	+
Liebherr clamshell grab	+
Medium pressure circuit incl. lines	+
Mono boom	+
Pipe fracture safety valves hoist cylinders	•
Pipe fracture safety valve stick cylinder	•
Return line, pressureless (in high pressure circuit option included)	+
Hose quick coupling at end of stick	•
Quick coupling system LIKUFIX	+
Protection for piston rod, bucket cylinder	+
Protection for bottom side of stick	+
Tool Control, 20 tool adjustments selectable over the display	+
Overload warning device	•
Two-piece boom	+
Offset two-piece boom	+

Complete Machine

Lubrication	
Lubrication undercarriage, manually – decentralized (grease points)	•
Lubrication undercarriage, manually – centralized (one grease point)	+
Central lubrication system for uppercarriage and attachment, automatically (without quick coupler and connecting link)*	•
Central lubrication system, extension for quick coupler	+
Central lubrication system, extension for connecting link	+
Special coating	
Custom painting for tools	+
Special coating, variants	+
Monitoring	
Rear view monitoring with camera	•
Side view monitoring with camera	•
Skyview 360°	+

• = Standard, + = Option

* = country-dependent, ** = depending upon the country partially only 15.5 mph permitted, 1) only available with undercarriage version "stabilizer blade rear"

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.

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