A 918 Litronic

LIEBHERR

Wheeled excavator

Generation
6

Operating weight
38,800–44,300 lb

Engine
161 HP / 120 kW
Stage V
Tier 4 Final

Bucket capacity
0.22–1.37 yd³

Performance

Durability, strength,
and precision

Economy

A sound investment – optimum economy
and environmentally friendly

Reliability

Competence, consistency, innovation –
proven experience

Comfort

Ergonomic excellence – superior operators
cab design for comfort and wellbeing

Maintainability

Exceptional service and
a reliable partnership

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Performance

Durability, strength, and precision

Earthmoving, road construction, or sewer constructions are performed effortlessly every day by Liebherr wheeled excavators. Their constant power, speed, and precision make any job a success.

Maximum performance

High performance
The superiorly engineered uppercarriage design separates the mounting of the hoist cylinders. This allows the machine to have outstanding lift capacities close to the machine. The A 918 Litronic even exceeds the lift capacities of the next higher machine class which allows it to offer better performance in high demanding situations.

Working modes
The working speed of the machine can easily be adjusted to any application by the use of the work MODE button. The Liebherr wheeled excavator is able to work at high speeds while still doing simultaneously movements. Excavation, backfilling and grading tasks can be completed quicker and on time.

Liebherr tires
Increased stability when working is provided by the twin tires without an intermediate ring and with offset cleats. The higher air pressure of the tires also ensures that there are fewer vibrations of the machine when driving. Higher traction on soft ground and low ground pressure are achieved with the larger contact surfaces of the Liebherr tires.

Precise work

Working with precision
The standard proportional controls joysticks coupled with the Liebherr hydraulic system enable the operators have more precise control of the excavators movements even at high speeds. This allows the operator to carry out any job faster, correct, and on time.

Automatic digging brake
The automatic digging brake ensures that manual actuation of the brake pedal is no longer required, thus leading to easier operation of the machine. When the accelerator pedal is in a neutral position and the machine is stationary, the digging brake engages automatically. This results in faster work processes and enhanced safety for man and machine, particularly during operation with frequent relocation of the excavator. Furthermore, the automatic digging brake can be linked with the automatic swing axle lock. When the machine is deployed and working, the swing axle locks automatically and thereby provides optimum stability.

Travel drive
- Higher traction for fast acceleration and the powerful engine allows for top speed up hills
- Reduces unproductive travel time between tasks and on the building site
- Faster on site – more productive

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

Joystick steering
- The optional joystick steering function enables the operator to steer the wheeled excavator using the mini-joystick
- Working and travelling movements can be done simultaneously without having to adjust your hands
- More efficient operation for greater productivity

Economy

A sound investment – optimum economy and environmentally friendly

Low fuel consumption and reduced emissions with consistent performance maximize productivity. The efficiency of the wheeled excavator can be further increased by using a Liebherr productive bucket, fuel-saving Liebherr hydraulic oil or a Liebherr quick coupling system.

Maximum efficiency

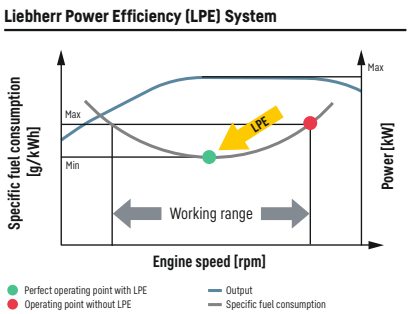
Fuel efficiency and exhaust emissions treatment
The robust D924 diesel engine complies with the stringent emissions regulations of Stage V / Tier 4 Final and protects the environment as well as its resources through its low fuel consumption and reduced emissions. Liebherr uses SCRonly technology to comply with Tier 4 Final regulations. A new SCR (selective catalytic reduction) system with an integral particulate filter is used for emissions Stage V. Both systems reduce emissions effectively and do not result in any reduction in power.

Engine idling and engine shut-down
The standard automatic idling function reduces the engine speed to idle as soon as the operator takes his hand from the joystick so that no hydraulic function is activated. Proximity sensors in the joystick levers restore the original engine speed as soon as the operator's hand is moved towards the lever again. This ensures that the set engine speed is available immediately. The result is a combination of fuel saving and reduced noise levels. Operating costs can be reduced even further with the optional automatic engine shut-down function.

Increased productivity

Liebherr attachments and Solidlink
To boost the productivity of its construction machines, Liebherr offers a broad range of attachments for different fields of application. Furthermore, the hydraulic excavators can also be equipped with the Liebherr Solidlink hydraulic quick coupling system. The combination of a hydraulic Liebherr quick coupling system with the Solidlink coupling block permits fast and safe changing of mechanical and hydraulic attachments from the operators cab. This boosts productivity on average by 30 %.

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 in 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.



Low emissions and operating costs
- Innovative exhaust emissions treatment system for compliance with emissions standard Stage V / Tier 4 Final
- Lower emissions – Lower operating costs – Economic environmental protection

Low fuel consumption thanks to intelligent machine control
- Liebherr-Power Efficiency (LPE) optimizes the interaction of the drive components in terms of efficiency
- LPE enables machine operation in the area of the lowest specific fuel use for less consumption and greater efficiency with the same performance

Liebherr quick coupling system Solidlink
- Faster and safer changing of mechanical and hydraulic attachments from the operator's cabin
- Machine utilization increased to up to 90 % thanks to extended deployment options
- Visual and audible check of correct locking position of attachment 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.

More safety

Electronic height limit
For applications that have height restrictions because of obstructions in the overhead working area the wheeled excavator can be equipped with an electronic height limiter. The maximum permissible working height can be freely selected and stops the movement of the equipment when the set working height is reached. This helps avoid damage to the machine and its environment.

Pipe fracture safety valves
The standard pipe fracture safety valves on the stick and hoist cylinders prevent the equipment from falling uncontrollably and ensure maximum safety for personal working around the machine.

High machine availability

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

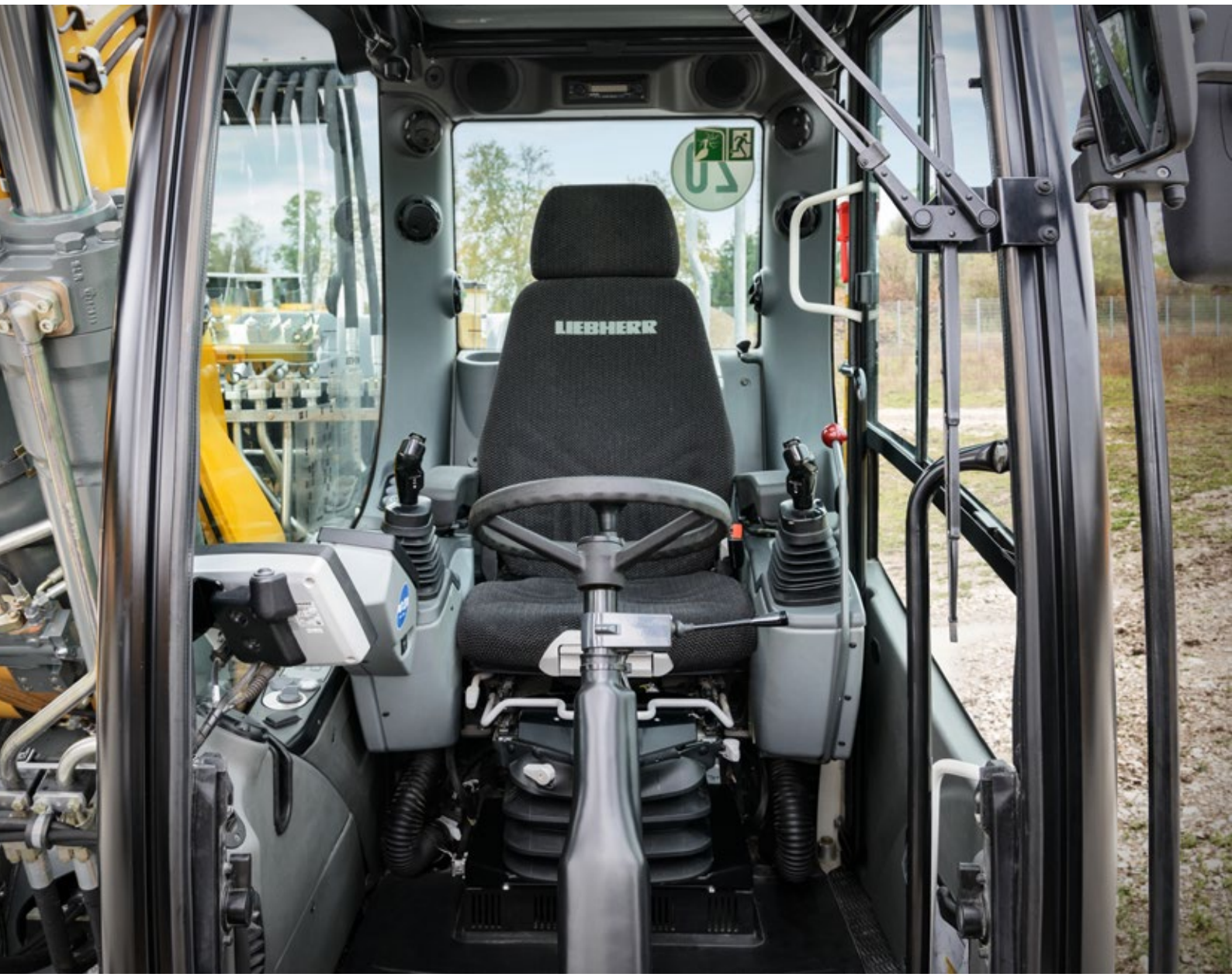
Robust construction
All steel components are designed and manufactured by Liebherr. High strength steel plates engineered for the toughest of requirements resulting in high torsional strength and optimal absorption of machine forces for longer machine service life.

QPDM – Quality and process data management
- QPDM allows production data to be logged, documented and evaluated
- Automation of documentation and test specifications
- Ability to handle large quantities and maintain uniform high quality

More rear and side visibility
- The standard rear-view camera gives the operator optimal view of his working area and sorrounding machines at all times
- Extensive glazing in combination with two standard monitoring cameras ensure safe handling of the machine at all times

Bright, longlife lighting
- The LED rear lights fitted as standard not only look good, but they are also brighter then halogen lighting and have an extremely long service life
- The LED front outline markers fitted as standard make it easier to see the machine on the road increasing worker safety

Comfort



Ergonomic excellence – superior operators cab design for comfort and wellbeing

The modern Liebherr operators cab with a standard air suspension, heated drivers seat, and automatic air conditioning provides a pleasant working atmosphere allowing for the best work conditions for operators. The ergonomic control elements with touchscreen display also simplify the operation of the wheeled excavator. The extensive safety equipment includes the rollover protection system (ROPS) for the cab fitted as standard according to ISO 12117-2.

First-class cab

Automatic air conditioning
Liebherr offers an intuitive automatic air conditioning system that can be adjusted easily by using the touchscreen display. The filter for the cab air can be changed easily and conveniently from the outside.

Radio with hands-free device
The optional Liebherr radio is MP3-compatible, has a USB connection, can receive digital radio (DAB+ depending on country) and can be used as interface for the integral hands-free kit. If a smartphone is connected using Bluetooth, phone calls can also be controlled via the touchscreen. This means that all media are controlled using a central unit which provides greater clarity, simplicity and comfort.

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

Comfortable operation

Joystick with proportional control
The 4-way mini-joystick allows the operator to control the dozer blade, working tool, and steering of the machine. The rocker switches on each joystick also increases the functions on the wheeled excavator. The slim, ergonomic design rounds off the operating concept.

Control unit
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 control unit can be used in a highly productive way.

Detailed solutions
Numerous details provide greater comfort and efficiency. For example, there is a choice of two different steering wheel versions: The thin steering wheel is recommended for regular civil engineering works as it affords better visibility of the working area. Also, the stabilizer blade does not have any lubrication points and is maintenance-free. No need for time-consuming lubrication.

Refuelling
- Using the optional refuelling pump, the machine can be refueled directly from a fuel container
- Remote cable operation and automatic shut off when the tank is full, for greater convenience and shorter refuelling times
- Topping up – simple, quick and safe

Operator's seat with adjustable armrests
- Greater seating comfort due to variable damper hardness, lockable horizontal suspension, pneumatic lumbar support, seat heating and passive seat air conditioning for concentrated working
- Individual adjustment options for armrests, seat cushion depth, seat angle and head restraint for comfortable working

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 attachments, which can be used for quickly and easily setting the oil pressure and oil flow at the push of a button when changing attachments
- Quick access keys can be programmed by the machine operator for frequently used menu items

Maintainability

Exceptional service and a reliable partnership

Liebherr wheeled excavators are not only powerful, robust, precise and efficient, they also have an impressive service-oriented design. Maintenance is quick, simple and safe. 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. This means that service work can be completed even more quickly and efficiently.

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 as reducing fuel consumption by up to 5 %. Another reason for the long change intervals is also the comparatively large hydraulic tank capacity, which enables a long oil settling time. Enclosed air molecules can escape upwards and are not sucked in again. This not only protects the hydraulic oil, it also extends the service life of pumps, valves and hydraulic lines.

Your competent service partner

Remanufacturing
The Liebherr remanufacturing program offers cost-effective reconditioning of components to the highest quality standards. Various reconditioning levels are 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 equipment and swing ring
- Can be optionally expanded to the connecting link and quick coupler
- Lubrication without interrupting work for higher productivity

Optimum service access
- Large, wide-opening and automatically locking 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
- Short service times for greater productivity

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 918 Litronic overview

Technology for maximum performance and economy

- Diesel engine with up to date emissions Stage V and Tier 4 Final
- Emissions treatment with Liebherr-SCRT technology (Stage V) / Liebherr-SCR technology (Stage Tier 4 Final)
- Load-sensing-control
- Liebherr-Power-Efficiency (LPE)
- MODE selection (Sensitive, ECO, Power, Power-Plus)
- Sensor-controlled automatic idling system
- Close-mesh protective grid in front of cooler intake

Simplified maintenance concept for maximum productivity

- Fully automatic central lubrication system for uppercarriage and equipment
- Large, wide-opening service doors
- Central maintenance points accessible from the ground
- Hydraulic shut-off lock
- Liebherr hydraulic oil biologically degradable (optional)
- Cab air filter can be replaced quickly and conveniently from outside
- Storage compartment left – lockable
- Extended tool equipment (optional)

Ergonomic operator's work station for maximum comfort

- Operator's seat Comfort or Premium (optional)
- Automatic air conditioning system
- 7" color touchscreen display
- Direct access keys
- Adjustable armrests
- Resonant, ergonomic joysticks
- Joystick steering (optional)
- Proportional control with 4-way mini-joystick
- Large windows
- Convenient radio operation with hands-free device
- Tool Control for attachments
- Front guard, adjustable (optional)
- LED lights (optional)
- Rear and side camera monitoring

Superbly designed equipment for maximum reliability

- Various boom versions and stick lengths
- Liebherr hydraulic cylinders
- Pipe fracture safety valves hoisting and stick cylinders
- Overload warning device
- Load holding valve on stabilization cylinder
- Electronic lift limitation (optional)
- Liebherr quick coupling systems (optional)
- Wide selection of Liebherr attachments (optional)

Technical data

Diesel engine

Rating	
per SAE J1349	161 HP (120 kW) at 1,800 rpm
per ISO 9249	163 HP (120 kW) at 1,800 rpm
Model	D924 – FPT motor designed for Liebherr
Type	4 cylinder in-line
Bore / Stroke	4.1 / 5.2 in
Displacement	274.6 in³
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 V	
Harmful emissions values	According to regulation (EU) 2016/1628
Emission control	Liebherr-SCRT technology
Fuel tank	97 gal
Urea tank	12 gal
Tier 4 Final	
Harmful emissions values	In accordance with 40CFR1039 (EPA) / 13CCR (CARB)
Emission control	Liebherr-SCR technology
Option	Liebherr particle filter
Fuel tank	97 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 stepless 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 equipment
Servo circuit	
Equipment and swing	With hydraulic pilot control and proportional joystick levers
Chassis	Electro-proportional via foot pedal
Additional functions	Via switch or electro-proportional foot pedals
Proportional control	Proportionally acting transmitters on the joysticks for additional hydraulic functions

Hydraulic system

Hydraulic pump	
For equipment and travel drive	Liebherr axial piston variable displacement pump
Max. flow	79 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 controlled swing drive priority
Hydraulic tank	42 gal
Hydraulic system	max. 92.5 gal
Filtration	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 environmentally 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 environmentally friendly operation
P (Power)	Mode for high performance with low fuel consumption
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 pre-adjustable pump flows and pressures for add-on attachments

Swing drive

Drive	Liebherr axial piston motor with integrated brake valve and torque control, Liebherr planetary 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 Slewing gear brake Comfort

Cab

Cab	ROPS safety cab structure (roll-over protection system) with individual windscreens or featuring a slide-in sub-part 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, sound damping 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 readjustment), pneumatic low frequency suspension and active seat climatization with active coal and ventilator
Arm consoles	Joysticks with control consoles and swivel seat, folding left control console
Operation and displays	Large high-resolution operating unit, self-explanatory, color display with touchscreen, video-compatible, numerous setting, control and monitoring options, e.g. air conditioning control, fuel consumption, machine and attachment 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. 23.0 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	Rear stabilizer blade (adjustable during travel for dozing) Rear stabilizer blade + front outriggers Rear outriggers + front stabilizer blade Rear + front outriggers
Option	EW undercarriage 9'

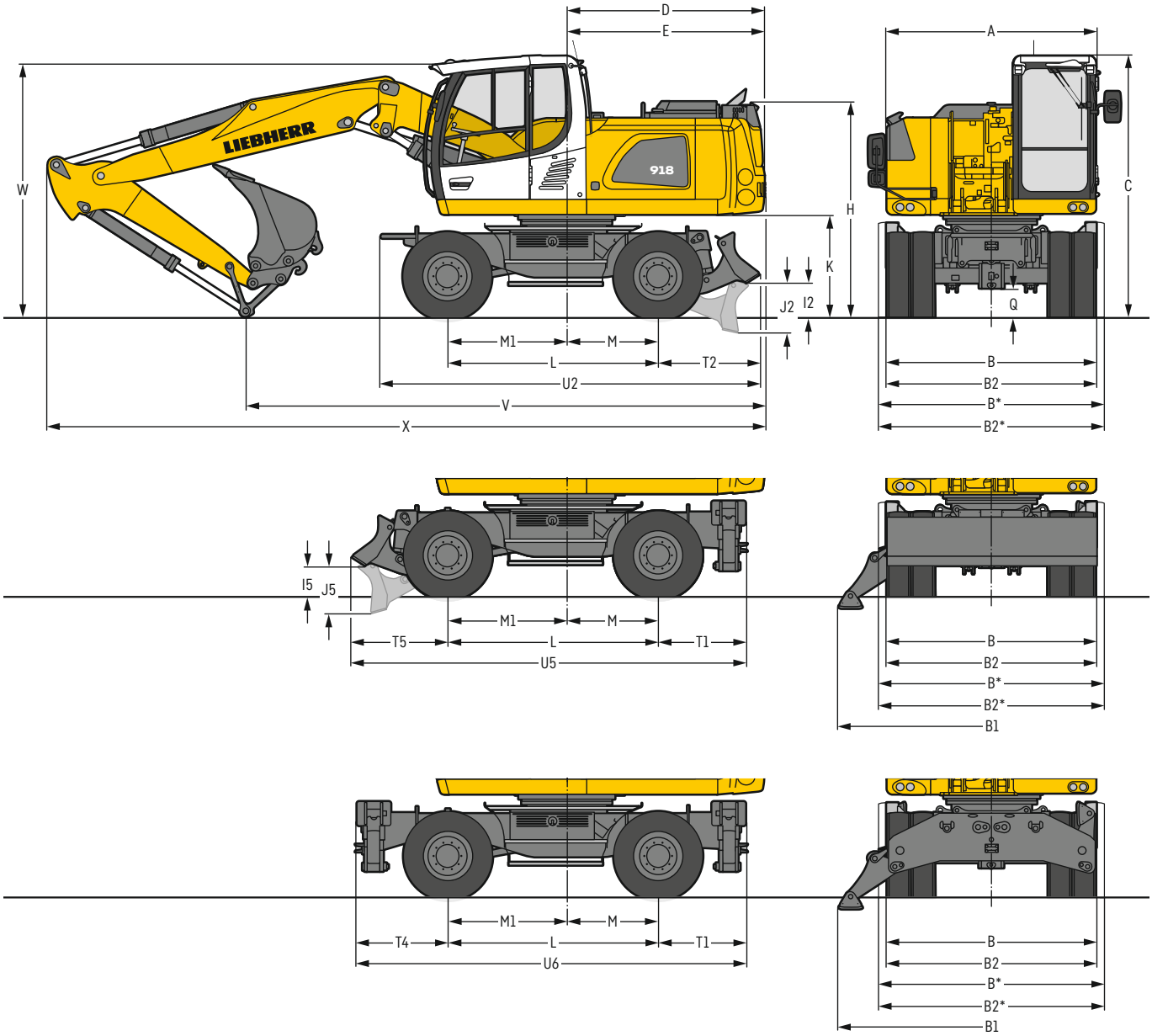
Equipment

Type	High-strength steel plates at highly-stressed points for the toughest requirements. Complex and stable mountings of equipment and cylinders
Hydraulic cylinders	Liebherr cylinders with special sealing and guide system and, depending on cylinder type, shock absorption
Bearings	Sealed, low maintenance

Complete machine

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

Dimensions



	ft in
A	8' 3"
B	8' 4"
B*	9'
B1	12' 1"
B2	8' 4"
B2*	9'
C	10' 4"
D	7'10"
E	7'10"
H	8' 7"
I2	1' 5"
I5	1' 3"
J2	2'
J5	1'11"
K	4'
L	8' 4"
M	3' 7"
M1	4' 9"
Q	1' 2"
T1	3' 5"
T2	4'
T4	3' 7"
T5	3' 9"
U2	15'
U5	15' 7"
U6	15' 4"

* EW undercarriage
E = Tail radius
Tires 10.00-20

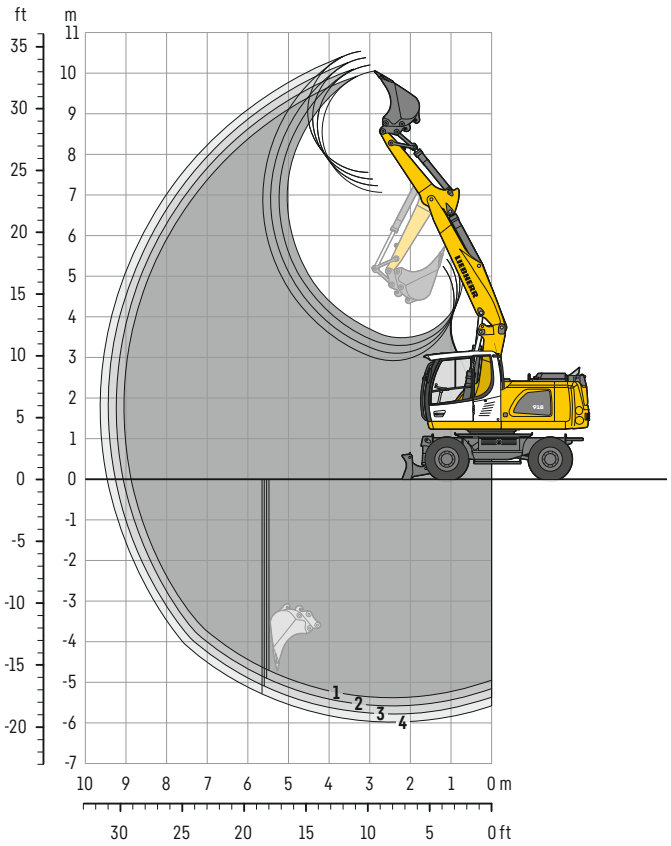
	Stick	**Two-piece boom 17'3"**			**Mono boom 17'5"**		
		Rear blade	Rear outriggers + front blade	Rear + front outriggers	Rear blade	Rear outriggers + front blade	Rear + front outriggers
	ft in	ft in	ft in	ft in	ft in	ft in	ft in
V	6'9"	21'10"	21'10"	21'10"	21'4"	21'4"	21'4"
	7'5"	20'10"	20'10"	20'10"	20'	20'	20'
	8'	19' 8"	19' 8"	19' 8"	19'	19'	19'
	8'8"	19' 4"	19' 4"	19' 4"	18'6"	18'6"	18'6"
W	6'9"	10' 2"	10' 2"	10' 2"	10'8"	10'8"	10'8"
	7'5"	10' 2"	10' 2"	10' 2"	10'8"	10'8"	10'8"
	8'	10'	10'	10'	10'6"	10'6"	10'6"
	8'8"	10' 4"	10' 4"	10' 4"	10'8"	10'8"	10'8"
X	6'9"	28' 7"	28' 7"	28' 7"	28'8"	28'8"	28'8"
	7'5"	28' 5"	28' 5"	28' 5"	28'8"	28'8"	28'8"
	8'	28' 5"	28' 5"	28' 5"	28'7"	28'7"	28'7"
	8'8"	28' 5"	28' 5"	28' 5"	28'8"	28'8"	28'8"

	Stick	**Offset two-piece boom 16'5"**		
		Rear blade	Rear outriggers + front blade	Rear + front outriggers
	ft in	ft in	ft in	ft in
V	6'9"	23'	23'	23'
	7'5"	21'10"	21'10"	21'10"
	8'	20'	20'	20'
	8'8"	18'10"	18'10"	19' 6"*
W	6'9"	10' 8"	10' 8"	10' 8"
	7'5"	10' 8"	10' 8"	10' 8"
	8'	10' 6"	10' 6"	10' 6"
	8'8"	10' 6"	10' 6"	10' 6"*
X	6'9"	27'11"	27'11"	27'11"
	7'5"	27' 7"	27' 7"	27' 7"
	8'	27' 7"	27' 7"	27' 7"
	8'8"	27' 9"	27' 9"	28' 3"*

Dimensions are with equipment over steering axle
* Equipment over digging axle for shorter transport dimensions
W = Max. ground clearance including approx. 6" piping

Backhoe bucket

with two-piece boom 17'3"



Digging envelope

with quick coupler		1	2	3	4
Stick length	ft in	6'9"	7' 5"	8'	8'8"
Max. digging depth	ft in	17'9"	18' 4"	19'	19'8"
Max. reach at ground level	ft in	29'2"	29'10"	30'6"	31'2"
Max. dumping height	ft in	23'2"	23' 9"	24'3"	24'9"
Max. teeth height	ft in	33'	33' 8"	34'1"	34'7"
Min. equipment radius	ft in	8'8"	8'11"	9'1"	9'4"

Digging forces

without quick coupler		1	2	3	4
Max. digging force (ISO 6015)	lbf	19,603	18,277	17,153	16,141
	lb	19,600	18,300	17,200	16,100
Max. breakout force (ISO 6015)	lbf	22,346	22,346	22,346	22,346
	lb	22,300	22,300	22,300	22,300

Max. breakout force with ripper bucket 28,259 lbf (28,200 lb)

Operating weight

The operating weight includes the basic machine with 8 tires plus intermediate rings, two-piece boom 17'3", stick 8', quick coupler SWA 33 and bucket 3'5" / 1.05 yd³.

Undercarriage versions	Weight (lb)
A 918 Litronic with rear blade	38,800
A 918 Litronic with rear outriggers + front blade	40,800
A 918 Litronic with rear + front outriggers	41,200
A 918 EW Litronic with rear blade	39,000
A 918 EW Litronic with rear outriggers + front blade	41,000

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

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised				Rear blade down				Rear outriggers + front blade down				Rear + front outriggers down				EW Stabilizers raised				EW Rear blade down				EW Rear outriggers + front blade 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)			
ft in	yd³	lb	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"
1'8"[2]	0.39	639	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2'2"[2]	0.55	772	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2'9"[2]	0.78	882	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
3'5"[2]	1.05	1,058	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
4'1"[2]	1.24	1,168	■	△	△	△	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1'8"[3]	0.39	705	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2'2"[3]	0.55	860	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2'9"[3]	0.78	992	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
3'5"[3]	1.05	1,190	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
4'1"[3]	1.24	1,301	■	△	△	△	■	■	■	△	■	■	■	■	■	■	■	■	■	■	■	△	■	■	■	■	■	■	■	■
1'8"[4]	0.42	595	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2'2"[4]	0.59	728	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2'9"[4]	0.85	838	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
3'5"[4]	1.11	1,014	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
4'1"[4]	1.37	1,102	△	△	△	△	■	■	△	△	■	■	■	■	■	■	■	■	■	■	△	△	■	■	■	■	■	■	■	■

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

[1] comparable with SAE (heaped)

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

Buckets with 19.7" cutting width with limited digging depth

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

Lift capacities

with two-piece boom 17'3"

Stick 6'9"

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
25	–	–			8,1*	8,1*					6,0*	6,0*	16' 1"
	Blade	–			8,1*	8,1*					6,0*	6,0*	
	Outriggers	Blade			8,1*	8,1*					6,0*	6,0*	
	Outriggers	Outriggers			8,1*	8,1*					6,0*	6,0*	
20	–	–			10,3	11,5*	6,3	7,6*			5,2*	5,2*	20'11"
	Blade	–			11,2	11,5*	7,0	7,6*			5,2*	5,2*	
	Outriggers	Blade			11,5*	11,5*	7,6*	7,6*			5,2*	5,2*	
	Outriggers	Outriggers			11,5*	11,5*	7,6*	7,6*			5,2*	5,2*	
15	–	–	18,1	18,2*	10,1	14,1*	6,4	10,1			4,6	5,0*	23' 8"
	Blade	–	18,2*	18,2*	11,0	14,1*	7,1	11,7*			5,0*	5,0*	
	Outriggers	Blade	18,2*	18,2*	14,1*	14,1*	10,4	11,7*			5,0*	5,0*	
	Outriggers	Outriggers	18,2*	18,2*	14,1*	14,1*	11,7*	11,7*			5,0*	5,0*	
10	–	–	17,4	25,0*	9,8	15,1	6,4	10,1	4,1	5,8*	4,0	5,2*	25' 1"
	Blade	–	19,1	25,0*	10,7	16,5*	7,0	12,5*	4,6	5,8*	4,5	5,2*	
	Outriggers	Blade	25,0*	25,0*	15,5	16,5*	10,3	12,5*	5,8*	5,8*	5,2*	5,2*	
	Outriggers	Outriggers	25,0*	25,0*	16,5*	16,5*	12,2	12,5*	5,8*	5,8*	5,2*	5,2*	
5	–	–	17,0	25,3*	9,7	15,0	6,2	9,9	4,0	6,7	3,8	5,6*	25' 6"
	Blade	–	18,8	25,3*	10,6	18,2*	6,8	13,3*	4,4	8,0*	4,3	5,6*	
	Outriggers	Blade	25,3*	25,3*	15,3	18,2*	10,1	13,3*	6,9	8,0*	5,6*	5,6*	
	Outriggers	Outriggers	25,3*	25,3*	18,2*	18,2*	12,2	13,3*	8,0*	8,0*	5,6*	5,6*	
0	–	–	16,5	28,5	9,2	15,1	5,8	9,5			3,9	6,3*	24'10"
	Blade	–	18,5	28,6*	10,2	18,5*	6,4	13,4*			4,3	6,3*	
	Outriggers	Blade	28,6*	28,6*	15,4	18,5*	9,8	13,4*			6,3*	6,3*	
	Outriggers	Outriggers	28,6*	28,6*	18,3	18,5*	12,0	13,4*			6,3*	6,3*	
– 5	–	–	15,7	29,3	8,7	14,8	5,4	9,2			4,3	7,3	23'
	Blade	–	17,8	30,1*	9,7	18,8*	6,0	13,2*			4,8	7,9*	
	Outriggers	Blade	29,8	30,1*	15,2	18,8*	9,4	13,2*			7,6	7,9*	
	Outriggers	Outriggers	30,1*	30,1*	18,8	18,8*	11,7	13,2*			7,9*	7,9*	
–10	–	–	15,3	29,1	8,1	14,1					5,4	8,1*	19' 8"
	Blade	–	17,3	30,1*	9,1	17,0*					6,0	8,1*	
	Outriggers	Blade	30,0	30,1*	14,5	17,0*					8,1*	8,1*	
	Outriggers	Outriggers	30,1*	30,1*	17,0*	17,0*					8,1*	8,1*	
–15	–	–											
	Blade	–											
	Outriggers	Blade											
	Outriggers	Outriggers											

Stick 7'5"

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
25	–	–			8,5*	8,5*					5,4*	5,4*	17' 1"
	Blade	–			8,5*	8,5*					5,4*	5,4*	
	Outriggers	Blade			8,5*	8,5*					5,4*	5,4*	
	Outriggers	Outriggers			8,5*	8,5*					5,4*	5,4*	
20	–	–			10,3	10,6*	6,4	8,0*			4,7*	4,7*	21' 8"
	Blade	–			10,6*	10,6*	7,0	8,0*			4,7*	4,7*	
	Outriggers	Blade			10,6*	10,6*	8,0*	8,0*			4,7*	4,7*	
	Outriggers	Outriggers			10,6*	10,6*	8,0*	8,0*			4,7*	4,7*	
15	–	–	14,5*	14,5*	10,1	13,6*	6,5	10,1			4,4	4,6*	24' 5"
	Blade	–	14,5*	14,5*	11,0	13,6*	7,1	11,4*			4,6*	4,6*	
	Outriggers	Blade	14,5*	14,5*	13,6*	13,6*	10,4	11,4*			4,6*	4,6*	
	Outriggers	Outriggers	14,5*	14,5*	13,6*	13,6*	11,4*	11,4*			4,6*	4,6*	
10	–	–	17,4	25,4*	9,8	15,1	6,4	10,0	4,1	6,8	3,9	4,7*	25'10"
	Blade	–	19,1	25,4*	10,7	16,1*	7,1	12,3*	4,6	7,3*	4,3	4,7*	
	Outriggers	Blade	25,4*	25,4*	15,5	16,1*	10,3	12,3*	7,0	7,3*	4,7*	4,7*	
	Outriggers	Outriggers	25,4*	25,4*	16,1*	16,1*	12,2	12,3*	7,3*	7,3*	4,7*	4,7*	
5	–	–	17,0	25,0*	9,6	14,9	6,2	9,9	4,0	6,7	3,6	5,0*	26' 1"
	Blade	–	18,7	25,0*	10,6	18,0*	6,9	13,1*	4,5	9,3*	4,1	5,0*	
	Outriggers	Blade	25,0*	25,0*	15,2	18,0*	10,2	13,1*	6,9	9,3*	5,0*	5,0*	
	Outriggers	Outriggers	25,0*	25,0*	18,0*	18,0*	12,1	13,1*	8,4	9,3*	5,0*	5,0*	
0	–	–	16,5	28,0*	9,2	15,0	5,8	9,6	3,8	6,5	3,7	5,7*	25' 6"
	Blade	–	18,6	28,0*	10,3	18,4*	6,5	13,3*	4,3	8,0*	4,1	5,7*	
	Outriggers	Blade	28,0*	28,0*	15,3	18,4*	9,8	13,3*	6,7	8,0*	5,7*	5,7*	
	Outriggers	Outriggers	28,0*	28,0*	18,2	18,4*	12,1	13,3*	8,0*	8,0*	5,7*	5,7*	
– 5	–	–	15,7	29,0	8,8	14,9	5,4	9,2			4,1	7,0*	23' 8"
	Blade	–	17,7	29,9*	9,8	18,6*	6,1	13,4*			4,6	7,0*	
	Outriggers	Blade	29,6	29,9*	15,3	18,6*	9,4	13,4*			7,0*	7,0*	
	Outriggers	Outriggers	29,9*	29,9*	18,6	18,7*	11,7	13,4*			7,0*	7,0*	
–10	–	–	15,4	29,2	8,1	14,1	5,2	8,9			5,0	8,1*	20' 6"
	Blade	–	17,4	30,7*	9,1	17,8*	5,8	9,0*			5,6	8,1*	
	Outriggers	Blade	30,1	30,7*	14,5	17,8*	9,0*	9,0*			8,1*	8,1*	
	Outriggers	Outriggers	30,7*	30,7*	17,8*	17,8*	9,0*	9,0*			8,1*	8,1*	
–15	–	–											
	Blade	–											
	Outriggers	Blade											
	Outriggers	Outriggers											

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 33 without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (± 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. The values apply when the adjusting cylinder is in the optimal position. Indicated loads 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. 11,000 lb). Without the quick coupler, lift capacities will increase by up to 240 lb.

Lift capacities

with two-piece boom 17'3"

Stick 8'

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
25	–	–			8,4*	8,4*					4,9*	4,9*	18' 1"
	Blade	–			8,4*	8,4*					4,9*	4,9*	
	Outriggers	Blade			8,4*	8,4*					4,9*	4,9*	
	Outriggers	Outriggers			8,4*	8,4*					4,9*	4,9*	
20	–	–			9,7*	9,7*	6,4	8,1*			4,3*	4,3*	22' 6"
	Blade	–			9,7*	9,7*	7,1	8,1*			4,3*	4,3*	
	Outriggers	Blade			9,7*	9,7*	8,1*	8,1*			4,3*	4,3*	
	Outriggers	Outriggers			9,7*	9,7*	8,1*	8,1*			4,3*	4,3*	
15	–	–			10,1	12,1*	6,6	10,1	4,2	4,4*	4,2	4,2*	25' 1"
	Blade	–			11,0	12,1*	7,2	10,7*	4,4*	4,4*	4,2*	4,2*	
	Outriggers	Blade			12,1*	12,1*	10,3	10,7*	4,4*	4,4*	4,2*	4,2*	
	Outriggers	Outriggers			12,2*	12,2*	10,7*	10,7*	4,4*	4,4*	4,2*	4,2*	
10	–	–	17,4	25,0*	9,7	15,1	6,5	10,0	4,2	6,8	3,7	4,2*	26' 5"
	Blade	–	19,2	25,0*	10,7	15,7*	7,1	12,1*	4,6	8,0*	4,1	4,2*	
	Outriggers	Blade	25,0*	25,0*	15,4	15,7*	10,2	12,1*	7,0	8,0*	4,2*	4,2*	
	Outriggers	Outriggers	25,0*	25,0*	15,7*	15,7*	12,1*	12,1*	8,0*	8,0*	4,2*	4,2*	
5	–	–	16,9	24,8*	9,6	14,8	6,3	10,0	4,0	6,7	3,5	4,5*	26'10"
	Blade	–	18,7	24,8*	10,5	17,8*	6,9	12,9*	4,5	9,9	3,9	4,5*	
	Outriggers	Blade	24,8*	24,8*	15,2	17,8*	10,2	12,9*	6,9	10,0*	4,5*	4,5*	
	Outriggers	Outriggers	24,8*	24,8*	17,8*	17,8*	12,0	12,9*	8,4	10,0*	4,5*	4,5*	
0	–	–	16,6	27,5*	9,3	14,9	5,9	9,6	3,8	6,5	3,5	5,1*	26' 1"
	Blade	–	18,7	27,5*	10,3	18,3*	6,5	13,2*	4,3	9,7	4,0	5,1*	
	Outriggers	Blade	27,5*	27,5*	15,2	18,3*	9,9	13,2*	6,7	9,8*	5,1*	5,1*	
	Outriggers	Outriggers	27,5*	27,5*	18,1	18,3*	12,1	13,2*	8,3	9,8*	5,1*	5,1*	
– 5	–	–	15,7	28,8	8,8	14,9	5,4	9,2			3,8	6,1*	24' 5"
	Blade	–	17,7	29,7*	9,8	18,5*	6,1	13,4*			4,3	6,1*	
	Outriggers	Blade	29,3	29,7*	15,3	18,5*	9,4	13,4*			6,1*	6,1*	
	Outriggers	Outriggers	29,7*	29,7*	18,4	18,5*	11,7	13,4*			6,1*	6,1*	
–10	–	–	15,4	29,3	8,1	14,1	5,2	8,9			4,7	8,0*	21' 4"
	Blade	–	17,5	30,8*	9,1	18,4*	5,8	10,3*			5,3	8,0*	
	Outriggers	Blade	30,2	30,8*	14,5	18,4*	9,2	10,3*			8,0*	8,0*	
	Outriggers	Outriggers	30,8*	30,8*	18,4*	18,4*	10,3*	10,3*			8,0*	8,0*	
–15	–	–	14,9	18,8*							14,3	18,1*	10' 4"
	Blade	–	16,9	18,8*							16,2	18,1*	
	Outriggers	Blade	18,8*	18,8*							18,1*	18,1*	
	Outriggers	Outriggers	18,8*	18,8*							18,2*	18,2*	

Stick 8'8"

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
25	–	–			8,2*	8,2*					4,4*	4,4*	19'
	Blade	–			8,2*	8,2*					4,4*	4,4*	
	Outriggers	Blade			8,2*	8,2*					4,4*	4,4*	
	Outriggers	Outriggers			8,2*	8,2*					4,4*	4,4*	
20	–	–			8,9*	8,9*	6,5	7,9*			4,0*	4,0*	23' 2"
	Blade	–			8,9*	8,9*	7,1	7,9*			4,0*	4,0*	
	Outriggers	Blade			8,9*	8,9*	7,9*	7,9*			4,0*	4,0*	
	Outriggers	Outriggers			9,0*	9,0*	7,9*	7,9*			4,0*	4,0*	
15	–	–			10,1	10,8*	6,6	10,0*	4,2	5,6*	3,8*	3,8*	25' 8"
	Blade	–			10,8	10,8*	7,2	10,0*	4,7	5,6*	3,8*	3,8*	
	Outriggers	Blade			10,8*	10,8*	10,0*	10,0*	5,6*	5,6*	3,8*	3,8*	
	Outriggers	Outriggers			10,9*	10,9*	10,0*	10,0*	5,6*	5,6*	3,8*	3,8*	
10	–	–	17,4	23,8*	9,7	15,1	6,5	10,0	4,2	6,9	3,5	3,9*	27' 1"
	Blade	–	19,2	23,8*	10,7	15,2*	7,2	11,8*	4,7	8,3*	3,9*	3,9*	
	Outriggers	Blade	23,8*	23,8*	15,2*	15,2*	10,2	11,8*	7,0	8,3*	3,9*	3,9*	
	Outriggers	Outriggers	23,8*	23,8*	15,2*	15,2*	11,8*	11,8*	8,3*	8,3*	3,9*	3,9*	
5	–	–	16,8	24,7*	9,5	14,8	6,3	9,9	4,0	6,7	3,3	4,1*	27' 5"
	Blade	–	18,6	24,7*	10,4	17,5*	7,0	12,8*	4,5	9,9	3,7	4,1*	
	Outriggers	Blade	24,7*	24,7*	15,1	17,5*	10,1	12,8*	6,9	10,2*	4,1*	4,1*	
	Outriggers	Outriggers	24,7*	24,7*	17,5*	17,5*	12,0	12,8*	8,4	10,2*	4,1*	4,1*	
0	–	–	16,7	27,0*	9,3	14,8	5,9	9,6	3,8	6,5	3,3	4,6*	26'10"
	Blade	–	18,6	27,0*	10,3	18,1*	6,6	13,1*	4,3	9,7	3,8	4,6*	
	Outriggers	Blade	27,0*	27,0*	15,1	18,1*	9,9	13,1*	6,7	10,1*	4,6*	4,6*	
	Outriggers	Outriggers	27,0*	27,0*	18,0	18,1*	12,0	13,1*	8,3	10,1*	4,6*	4,6*	
– 5	–	–	15,6	28,5	8,7	14,9	5,5	9,2	3,6	5,9*	3,6	5,5*	25' 1"
	Blade	–	17,7	29,5*	9,7	18,3*	6,1	13,3*	4,1	5,9*	4,1	5,5*	
	Outriggers	Blade	29,1	29,5*	15,3	18,3*	9,4	13,3*	5,9*	5,9*	5,5*	5,5*	
	Outriggers	Outriggers	29,5*	29,5*	18,3	18,3*	11,7	13,3*	5,9*	5,9*	5,5*	5,5*	
–10	–	–	15,3	29,2	8,1	14,2	5,1	8,9			4,4	7,4*	22' 1"
	Blade	–	17,4	30,5*	9,1	18,7*	5,8	11,2*			4,9	7,4*	
	Outriggers	Blade	30,1	30,5*	14,6	18,7*	9,1	11,2*			7,4*	7,4*	
	Outriggers	Outriggers	30,5*	30,5*	18,5	18,7*	11,2*	11,2*			7,4*	7,4*	
–15	–	–	14,8	21,7*							9,0	12,5*	13'10"
	Blade	–	16,8	21,7*							10,1	12,5*	
	Outriggers	Blade	21,7*	21,7*							12,5*	12,5*	
	Outriggers	Outriggers	21,7*	21,7*							12,5*	12,5*	

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 33 without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (± 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. The values apply when the adjusting cylinder is in the optimal position. Indicated loads 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. 11,000 lb). Without the quick coupler, lift capacities will increase by up to 240 lb.

Lift capacities

with two-piece boom 17'3", EW undercarriage

Stick 6'9"

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
25	–	–			8,1*	8,1*					6,0*	6,0*	
	Blade	–			8,1*	8,1*					6,0*	6,0*	16' 1"
	Outriggers	Blade			8,1*	8,1*					6,0*	6,0*	
20	–	–			11,2	11,5*	6,9	7,6*			5,2*	5,2*	
	Blade	–			11,5*	11,5*	7,6*	7,6*			5,2*	5,2*	20'11"
	Outriggers	Blade			11,5*	11,5*	7,6*	7,6*			5,2*	5,2*	
15	–	–	18,2*	18,2*	11,0	14,1*	7,1	10,2			5,0*	5,0*	
	Blade	–	18,2*	18,2*	12,0	14,1*	7,8	11,7*			5,0*	5,0*	23' 8"
	Outriggers	Blade	18,2*	18,2*	14,1*	14,1*	10,9	11,7*			5,0*	5,0*	
10	–	–	19,1	25,0*	10,7	15,2	7,0	10,2	4,5	5,8*	4,5	5,2*	
	Blade	–	21,1	25,0*	11,7	16,5*	7,7	12,5*	5,1	5,8*	5,0	5,2*	25' 1"
	Outriggers	Blade	25,0*	25,0*	16,2	16,5*	10,8	12,5*	5,8*	5,8*	5,2*	5,2*	
5	–	–	18,8	25,3*	10,6	15,1	6,8	10,0	4,4	6,7	4,3	5,6*	
	Blade	–	20,8	25,3*	11,6	18,2*	7,5	13,3*	5,0	8,0*	4,8	5,6*	25' 6"
	Outriggers	Blade	25,3*	25,3*	16,0	18,2*	10,6	13,3*	7,2	8,0*	5,6*	5,6*	
0	–	–	18,5	28,6*	10,2	15,2	6,4	9,6			4,3	6,3*	
	Blade	–	20,9	28,6*	11,4	18,5*	7,1	13,4*			4,9	6,3*	24'10"
	Outriggers	Blade	28,6*	28,6*	16,1	18,5*	10,3	13,4*			6,3*	6,3*	
– 5	–	–	17,7	29,4	9,7	14,9	6,0	9,2			4,8	7,4	
	Blade	–	20,1	30,1*	10,8	18,8*	6,7	13,2*			5,4	7,9*	23'
	Outriggers	Blade	30,1*	30,1*	16,0	18,8*	9,9	13,2*			7,9*	7,9*	
–10	–	–	17,3	29,3	9,1	14,2					6,0	8,1*	
	Blade	–	19,7	30,1*	10,2	17,0*					6,8	8,1*	19' 8"
	Outriggers	Blade	30,1*	30,1*	15,4	17,0*					8,1*	8,1*	
–15	–	–											
	Blade	–											
	Outriggers	Blade											

Stick 7'5"

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
25	–	–			8,5*	8,5*					5,4*	5,4*	
	Blade	–			8,5*	8,5*					5,4*	5,4*	17' 1"
	Outriggers	Blade			8,5*	8,5*					5,4*	5,4*	
20	–	–			10,6*	10,6*	7,0	8,0*			4,7*	4,7*	
	Blade	–			10,6*	10,6*	7,7	8,0*			4,7*	4,7*	21' 8"
	Outriggers	Blade			10,6*	10,6*	8,0*	8,0*			4,7*	4,7*	
15	–	–	14,5*	14,5*	11,0	13,6*	7,1	10,2			4,6*	4,6*	
	Blade	–	14,5*	14,5*	12,0	13,6*	7,8	11,4*			4,6*	4,6*	24' 5"
	Outriggers	Blade	14,5*	14,5*	13,6*	13,6*	10,8	11,4*			4,6*	4,6*	
10	–	–	19,1	25,4*	10,7	15,2	7,1	10,1	4,6	6,9	4,3	4,7*	
	Blade	–	21,2	25,4*	11,7	16,1*	7,8	12,3*	5,1	7,3*	4,7*	4,7*	25'10"
	Outriggers	Blade	25,4*	25,4*	16,1*	16,1*	10,7	12,3*	7,3*	7,3*	4,7*	4,7*	
5	–	–	18,7	25,0*	10,6	15,0	6,8	10,0	4,5	6,8	4,1	5,0*	
	Blade	–	20,8	25,0*	11,5	18,0*	7,5	13,1*	5,0	9,3*	4,6	5,0*	26' 1"
	Outriggers	Blade	25,0*	25,0*	15,9	18,0*	10,7	13,1*	7,2	9,3*	5,0*	5,0*	
0	–	–	18,6	28,0*	10,2	15,1	6,5	9,7	4,3	6,6	4,1	5,7*	
	Blade	–	20,9	28,0*	11,4	18,4*	7,2	13,3*	4,8	8,0*	4,6	5,7*	25' 6"
	Outriggers	Blade	28,0*	28,0*	16,0	18,4*	10,3	13,3*	7,1	8,0*	5,7*	5,7*	
– 5	–	–	17,7	29,2	9,8	15,0	6,0	9,3			4,5	7,0*	
	Blade	–	20,1	29,9*	10,9	18,6*	6,7	13,4*			5,1	7,0*	23' 8"
	Outriggers	Blade	29,9*	29,9*	16,1	18,6*	9,9	13,4*			7,0*	7,0*	
–10	–	–	17,4	29,5	9,1	14,3	5,8	9,0			5,6	8,1*	
	Blade	–	19,8	30,7*	10,2	17,8*	6,5	9,0*			6,3	8,1*	20' 6"
	Outriggers	Blade	30,7*	30,7*	15,4	17,8*	9,0*	9,0*			8,1*	8,1*	
–15	–	–											
	Blade	–											
	Outriggers	Blade											

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 33 without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (± 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. The values apply when the adjusting cylinder is in the optimal position. Indicated loads 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. 11,000 lb). Without the quick coupler, lift capacities will increase by up to 240 lb.

Lift capacities

with two-piece boom 17'3", EW undercarriage

Stick 8'

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
25	–	–			8,4*	8,4*					4,9*	4,9*	
	Blade	–			8,4*	8,4*					4,9*	4,9*	18' 1"
	Outriggers	Blade			8,4*	8,4*					4,9*	4,9*	
20	–	–			9,7*	9,7*	7,1	8,1*			4,3*	4,3*	
	Blade	–			9,7*	9,7*	7,8	8,1*			4,3*	4,3*	22' 6"
	Outriggers	Blade			9,7*	9,7*	8,1*	8,1*			4,3*	4,3*	
15	–	–			11,0	12,1*	7,2	10,2	4,4*	4,4*	4,2*	4,2*	
	Blade	–			12,0	12,1*	7,9	10,7*	4,4*	4,4*	4,2*	4,2*	25' 1"
	Outriggers	Blade			12,1*	12,1*	10,7*	10,7*	4,4*	4,4*	4,2*	4,2*	
10	–	–	19,1	25,0*	10,7	15,2	7,1	10,1	4,6	6,9	4,1	4,2*	
	Blade	–	21,2	25,0*	11,7	15,7*	7,8	12,1*	5,1	8,0*	4,2*	4,2*	26' 5"
	Outriggers	Blade	25,0*	25,0*	15,7*	15,7*	10,7	12,1*	7,4	8,0*	4,2*	4,2*	
5	–	–	18,6	24,8*	10,5	14,9	6,9	10,0	4,5	6,8	3,9	4,5*	
	Blade	–	20,7	24,8*	11,5	17,8*	7,6	12,9*	5,0	10,0	4,4	4,5*	26'10"
	Outriggers	Blade	24,8*	24,8*	15,8	17,8*	10,6	12,9*	7,2	10,0*	4,5*	4,5*	
0	–	–	18,7	27,5*	10,3	15,0	6,5	9,7	4,3	6,6	3,9	5,1*	
	Blade	–	20,8	27,5*	11,4	18,3*	7,2	13,2*	4,8	9,8	4,4	5,1*	26' 1"
	Outriggers	Blade	27,5*	27,5*	15,9	18,3*	10,3	13,2*	7,1	9,8*	5,1*	5,1*	
– 5	–	–	17,7	28,9	9,7	15,0	6,1	9,3			4,3	6,1*	
	Blade	–	20,1	29,7*	10,9	18,5*	6,8	13,4*			4,8	6,1*	24' 5"
	Outriggers	Blade	29,7*	29,7*	16,1	18,5*	9,9	13,4*			6,1*	6,1*	
–10	–	–	17,5	29,6	9,1	14,3	5,8	9,0			5,3	8,0*	
	Blade	–	19,9	30,8*	10,2	18,4*	6,5	10,3*			5,9	8,0*	21' 4"
	Outriggers	Blade	30,8*	30,8*	15,4	18,4*	9,7	10,3*			8,0*	8,0*	
–15	–	–	16,8	18,8*							16,1	18,1*	
	Blade	–	18,8*	18,8*							18,1*	18,1*	10' 4"
	Outriggers	Blade	18,8*	18,8*							18,1*	18,1*	

Stick 8'8"

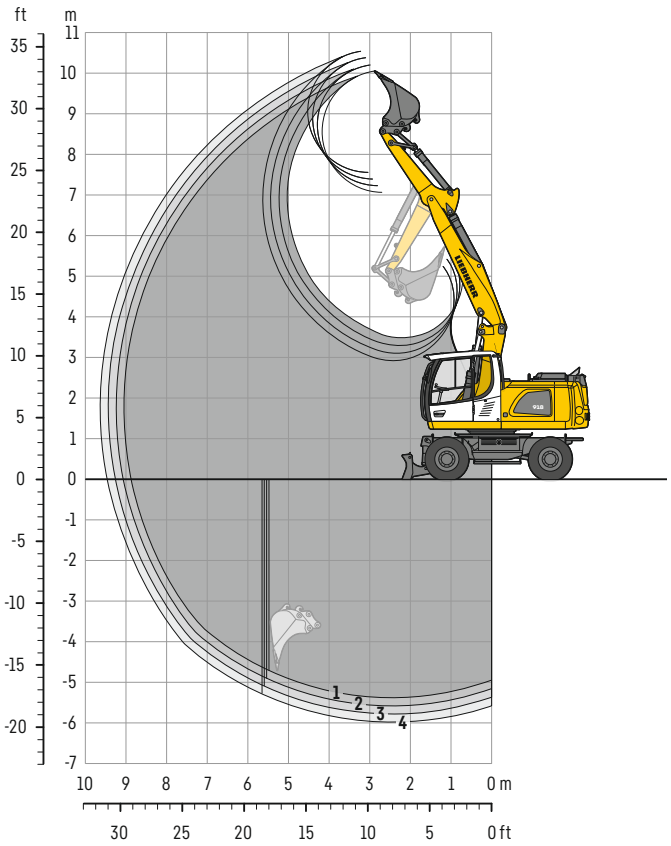
ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
25	–	–			8,2*	8,2*					4,4*	4,4*	
	Blade	–			8,2*	8,2*					4,4*	4,4*	19'
	Outriggers	Blade			8,2*	8,2*					4,4*	4,4*	
20	–	–			8,9*	8,9*	7,1	7,9*			4,0*	4,0*	
	Blade	–			8,9*	8,9*	7,8	7,9*			4,0*	4,0*	23' 2"
	Outriggers	Blade			8,9*	8,9*	7,9*	7,9*			4,0*	4,0*	
15	–	–			10,8	10,8*	7,2	10,0*	4,7	5,6*	3,8*	3,8*	
	Blade	–			10,8*	10,8*	7,9	10,0*	5,2	5,6*	3,8*	3,8*	25' 8"
	Outriggers	Blade			10,8*	10,8*	10,0*	10,0*	5,6*	5,6*	3,8*	3,8*	
10	–	–	19,2	23,8*	10,6	15,2	7,2	10,0	4,6	6,9	3,9*	3,9*	
	Blade	–	21,2	23,8*	11,6	15,2*	7,8	11,8*	5,2	8,3*	3,9*	3,9*	27' 1"
	Outriggers	Blade	23,8*	23,8*	15,2*	15,2*	10,6	11,8*	7,4	8,3*	3,9*	3,9*	
5	–	–	18,6	24,7*	10,4	14,9	7,0	10,0	4,5	6,8	3,7	4,1*	
	Blade	–	20,6	24,7*	11,4	17,5*	7,6	12,8*	5,0	9,9	4,1*	4,1*	27' 5"
	Outriggers	Blade	24,7*	24,7*	15,8	17,5*	10,5	12,8*	7,3	10,2*	4,1*	4,1*	
0	–	–	18,6	27,0*	10,3	14,9	6,6	9,7	4,3	6,6	3,8	4,6*	
	Blade	–	20,6	27,0*	11,4	18,1*	7,3	13,1*	4,8	9,8	4,2	4,6*	26'10"
	Outriggers	Blade	27,0*	27,0*	15,8	18,1*	10,4	13,1*	7,1	10,1*	4,6*	4,6*	
– 5	–	–	17,7	28,7	9,7	15,0	6,1	9,3	4,1	5,9*	4,1	5,5*	
	Blade	–	20,1	29,5*	10,8	18,3*	6,8	13,3*	4,6	5,9*	4,6	5,5*	25' 1"
	Outriggers	Blade	29,5*	29,5*	16,1	18,3*	9,9	13,3*	5,9*	5,9*	5,5*	5,5*	
–10	–	–	17,3	29,4	9,1	14,3	5,8	9,0			4,9	7,4*	
	Blade	–	19,7	30,5*	10,2	18,7*	6,5	11,2*			5,5	7,4*	22' 1"
	Outriggers	Blade	30,5*	30,5*	15,4	18,7*	9,6	11,2*			7,4*	7,4*	
–15	–	–	16,8	21,7*							10,1	12,5*	
	Blade	–	19,1	21,7*							11,3	12,5*	13'10"
	Outriggers	Blade	21,7*	21,7*							12,5*	12,5*	

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 33 without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (± 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. The values apply when the adjusting cylinder is in the optimal position. Indicated loads 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. 11,000 lb). Without the quick coupler, lift capacities will increase by up to 240 lb.

Backhoe bucket

with two-piece boom 17'3" (heavy counterweight)



Digging envelope

with quick coupler		1	2	3	4
Stick length	ft in	6'9"	7' 5"	8'	8'8"
Max. digging depth	ft in	17'9"	18' 4"	19'	19'8"
Max. reach at ground level	ft in	29'2"	29'10"	30'6"	31'2"
Max. dumping height	ft in	23'2"	23' 9"	24'3"	24'9"
Max. teeth height	ft in	33'	33' 8"	34'1"	34'7"
Min. equipment radius	ft in	8'8"	8'11"	9'1"	9'4"

Digging forces

without quick coupler		1	2	3	4
Max. digging force (ISO 6015)	lbf	19,603	18,277	17,153	16,141
	lb	19,600	18,300	17,200	16,100
Max. breakout force (ISO 6015)	lbf	22,346	22,346	22,346	22,346
	lb	22,300	22,300	22,300	22,300

Max. breakout force with ripper bucket 28,259 lbf (28,200 lb)

Operating weight

The operating weight includes the basic machine (heavy counterweight) with 8 tires plus intermediate rings, two-piece boom 17'3", stick 8', quick coupler SWA 33 and bucket 3'5" / 1.05 yd³.

Undercarriage versions	Weight (lb)
A 918 Litronic with rear blade	39,900
A 918 Litronic with rear outriggers + front blade	41,900*
A 918 EW Litronic with rear blade	40,100
A 918 EW Litronic with rear outriggers + front blade	42,100*

* on request

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

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised				Rear blade down				Rear outriggers + front blade down				EW Stabilizers raised				EW Rear blade down				EW Rear outriggers + front blade 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)			
ft in	yd³	lb	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"
1'8"[2]	0.39	639	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2'2"[2]	0.55	772	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2'9"[2]	0.78	882	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
3'5"[2]	1.05	1,058	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
4'1"[2]	1.24	1,168	■	■	■	△	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1'8"[3]	0.39	705	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2'2"[3]	0.55	860	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2'9"[3]	0.78	992	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
3'5"[3]	1.05	1,190	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
4'1"[3]	1.24	1,301	■	■	■	△	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1'8"[4]	0.42	595	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2'2"[4]	0.59	728	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2'9"[4]	0.85	838	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
3'5"[4]	1.11	1,014	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
4'1"[4]	1.37	1,102	■	■	△	△	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

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

[1] comparable with SAE (heaped)

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

Buckets with 19.7" cutting width with limited digging depth

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

Lift capacities

with two-piece boom 17'3" (heavy counterweight)

Stick 6'9"

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
	–	–			8,1*	8,1*					6,0*	6,0*	
25	Blade	–			8,1*	8,1*					6,0*	6,0*	16' 1"
	Outriggers	Blade			8,1*	8,1*					6,0*	6,0*	
	–	–			11,0	11,5*	6,8	7,6*			5,2*	5,2*	
20	Blade	–			11,5*	11,5*	7,5	7,6*			5,2*	5,2*	20'11"
	Outriggers	Blade			11,5*	11,5*	7,6*	7,6*			5,2*	5,2*	
	–	–	18,2*	18,2*	10,7	14,1*	6,9	10,7			5,0	5,0*	
15	Blade	–	18,2*	18,2*	11,7	14,1*	7,6	11,7*			5,0*	5,0*	23' 8"
	Outriggers	Blade	18,2*	18,2*	14,1*	14,1*	11,0	11,7*			5,0*	5,0*	
	–	–	18,4	25,0*	10,5	15,9	6,9	10,6	4,5	5,8*	4,4	5,2*	
10	Blade	–	20,2	25,0*	11,4	16,5*	7,5	12,5*	5,0	5,8*	4,9	5,2*	25' 1"
	Outriggers	Blade	25,0*	25,0*	16,2	16,5*	10,8	12,5*	5,8*	5,8*	5,2*	5,2*	
	–	–	18,1	25,3*	10,4	15,7	6,6	10,5	4,3	7,1	4,2	5,6*	
5	Blade	–	19,9	25,3*	11,3	18,2*	7,3	13,3*	4,8	8,0*	4,7	5,6*	25' 6"
	Outriggers	Blade	25,3*	25,3*	16,0	18,2*	10,8	13,3*	7,3	8,0*	5,6*	5,6*	
	–	–	17,7	28,6*	9,9	15,8	6,3	10,1			4,3	6,3*	
0	Blade	–	19,8	28,6*	11,0	18,5*	6,9	13,4*			4,7	6,3*	24'10"
	Outriggers	Blade	28,6*	28,6*	16,2	18,5*	10,4	13,4*			6,3*	6,3*	
	–	–	16,9	30,1*	9,4	15,7	5,9	9,8			4,7	7,9	
– 5	Blade	–	19,1	30,1*	10,4	18,8*	6,5	13,2*			5,2	7,9*	23'
	Outriggers	Blade	30,1*	30,1*	16,1	18,8*	10,0	13,2*			7,9*	7,9*	
	–	–	16,5	30,1*	8,8	15,0					5,9	8,1*	
–10	Blade	–	18,6	30,1*	9,8	17,0*					6,6	8,1*	19' 8"
	Outriggers	Blade	30,1*	30,1*	15,5	17,0*					8,1*	8,1*	
	–	–											
–15	Blade	–											
	Outriggers	Blade											

Stick 7'5"

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
	–	–			8,5*	8,5*					5,4*	5,4*	
25	Blade	–			8,5*	8,5*					5,4*	5,4*	17' 1"
	Outriggers	Blade			8,5*	8,5*					5,4*	5,4*	
	–	–			10,6*	10,6*	6,9	8,0*			4,7*	4,7*	
20	Blade	–			10,6*	10,6*	7,5	8,0*			4,7*	4,7*	21' 8"
	Outriggers	Blade			10,6*	10,6*	8,0*	8,0*			4,7*	4,7*	
	–	–	14,5*	14,5*	10,7	13,6*	7,0	10,7			4,6*	4,6*	
15	Blade	–	14,5*	14,5*	11,7	13,6*	7,6	11,4*			4,6*	4,6*	24' 5"
	Outriggers	Blade	14,5*	14,5*	13,6*	13,6*	10,9	11,4*			4,6*	4,6*	
	–	–	18,4	25,4*	10,4	15,9	6,9	10,6	4,5	7,3	4,2	4,7*	
10	Blade	–	20,2	25,4*	11,4	16,1*	7,6	12,3*	5,0	7,3*	4,7*	4,7*	25'10"
	Outriggers	Blade	25,4*	25,4*	16,1*	16,1*	10,8	12,3*	7,3*	7,3*	4,7*	4,7*	
	–	–	18,0	25,0*	10,3	15,6	6,7	10,5	4,4	7,1	4,0	5,0*	
5	Blade	–	19,8	25,0*	11,2	18,0*	7,4	13,1*	4,9	9,3*	4,5	5,0*	26' 1"
	Outriggers	Blade	25,0*	25,0*	16,0	18,0*	10,8	13,1*	7,3	9,3*	5,0*	5,0*	
	–	–	17,7	28,0*	9,9	15,7	6,3	10,2	4,2	7,0	4,1	5,7*	
0	Blade	–	19,9	28,0*	11,0	18,4*	7,0	13,3*	4,7	8,0*	4,5	5,7*	25' 6"
	Outriggers	Blade	28,0*	28,0*	16,1	18,4*	10,4	13,3*	7,2	8,0*	5,7*	5,7*	
	–	–	16,9	29,9	9,5	15,8	5,9	9,8			4,5	7,0*	
– 5	Blade	–	19,0	29,9*	10,5	18,6*	6,6	13,4*			5,0	7,0*	23' 8"
	Outriggers	Blade	29,9*	29,9*	16,2	18,6*	10,1	13,4*			7,0*	7,0*	
	–	–	16,6	30,7*	8,8	15,0	5,7	9,0*			5,5	8,1*	
–10	Blade	–	18,7	30,7*	9,8	17,8*	6,4	9,0*			6,1	8,1*	20' 6"
	Outriggers	Blade	30,7*	30,7*	15,5	17,8*	9,0*	9,0*			8,1*	8,1*	
	–	–											
–15	Blade	–											
	Outriggers	Blade											

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 33 without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (± 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. The values apply when the adjusting cylinder is in the optimal position. Indicated loads 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. 11,000 lb). Without the quick coupler, lift capacities will increase by up to 240 lb.

Stick 8'

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
	–	–			8,4*	8,4*					4,9*	4,9*	
25	Blade	–			8,4*	8,4*					4,9*	4,9*	18' 1"
	Outriggers	Blade			8,4*	8,4*					4,9*	4,9*	
	–	–			9,7*	9,7*	6,9	8,1*			4,3*	4,3*	
20	Blade	–			9,7*	9,7*	7,6	8,1*			4,3*	4,3*	22' 6"
	Outriggers	Blade			9,7*	9,7*	8,1*	8,1*			4,3*	4,3*	
	–	–			10,7	12,1*	7,0	10,6	4,4*	4,4*	4,2*	4,2*	
15	Blade	–			11,7	12,1*	7,7	10,7*	4,4*	4,4*	4,2*	4,2*	25' 1"
	Outriggers	Blade			12,1*	12,1*	10,7*	10,7*	4,4*	4,4*	4,2*	4,2*	
	–	–	18,4	25,0*	10,4	15,7*	7,0	10,5	4,5	7,3	4,0	4,2*	
10	Blade	–	20,2	25,0*	11,3	15,7*	7,6	12,1*	5,0	8,0*	4,2*	4,2*	26' 5"
	Outriggers	Blade	25,0*	25,0*	15,7*	15,7*	10,8	12,1*	7,5	8,0*	4,2*	4,2*	
	–	–	17,9	24,8*	10,2	15,6	6,8	10,5	4,4	7,2	3,8	4,5*	
5	Blade	–	19,8	24,8*	11,1	17,8*	7,4	12,9*	4,9	10,0*	4,3	4,5*	26'10"
	Outriggers	Blade	24,8*	24,8*	15,9	17,8*	10,7	12,9*	7,4	10,0*	4,5*	4,5*	
	–	–	17,8	27,5*	10,0	15,6	6,4	10,2	4,2	7,0	3,9	5,1*	
0	Blade	–	19,9	27,5*	11,0	18,3*	7,0	13,2*	4,7	9,8*	4,3	5,1*	26' 1"
	Outriggers	Blade	27,5*	27,5*	16,0	18,3*	10,5	13,2*	7,2	9,8*	5,1*	5,1*	
	–	–	16,9	29,7	9,5	15,8	5,9	9,8			4,2	6,1*	
– 5	Blade	–	19,0	29,7*	10,5	18,5*	6,6	13,4*			4,7	6,1*	24' 5"
	Outriggers	Blade	29,7*	29,7*	16,2	18,5*	10,1	13,4*			6,1*	6,1*	
	–	–	16,7	30,8*	8,8	15,1	5,7	9,5			5,1	8,0*	
–10	Blade	–	18,8	30,8*	9,8	18,4*	6,3	10,3*			5,7	8,0*	21' 4"
	Outriggers	Blade	30,8*	30,8*	15,5	18,4*	9,8	10,3*			8,0*	8,0*	
	–	–	16,1	18,8*							15,4	18,1*	
–15	Blade	–	18,2	18,8*							17,4	18,1*	10' 4"
	Outriggers	Blade	18,8*	18,8*							18,1*	18,1*	

Stick 8'8"

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
	–	–			8,2*	8,2*					4,4*	4,4*	
25	Blade	–			8,2*	8,2*					4,4*	4,4*	19'
	Outriggers	Blade			8,2*	8,2*					4,4*	4,4*	
	–	–			8,9*	8,9*	7,0	7,9*			4,0*	4,0*	
20	Blade	–			8,9*	8,9*	7,6	7,9*			4,0*	4,0*	23' 2"
	Outriggers	Blade			8,9*	8,9*	7,9*	7,9*			4,0*	4,0*	
	–	–			10,7	10,8*	7,1	10,0*	4,6	5,6*	3,8*	3,8*	
15	Blade	–			10,8*	10,8*	7,7	10,0*	5,1	5,6*	3,8*	3,8*	25' 8"
	Outriggers	Blade			10,8*	10,8*	10,0*	10,0*	5,6*	5,6*	3,8*	3,8*	
	–	–	18,4	23,8*	10,4	15,2*	7,0	10,5	4,6	7,3	3,8	3,9*	
10	Blade	–	20,3	23,8*	11,3	15,2*	7,6	11,8*	5,0	8,3*	3,9*	3,9*	27' 1"
	Outriggers	Blade	23,8*	23,8*	15,2*	15,2*	10,7	11,8*	7,5	8,3*	3,9*	3,9*	
	–	–	17,9	24,7*	10,2	15,5	6,8	10,4	4,4	7,2	3,6	4,1*	
5	Blade	–	19,7	24,7*	11,1	17,5*	7,5	12,8*	4,9	10,2*	4,1	4,1*	27' 5"
	Outriggers	Blade	24,7*	24,7*	15,8	17,5*	10,6	12,8*	7,4	10,2*	4,1*	4,1*	
	–	–	17,9	27,0*	10,0	15,5	6,4	10,2	4,2	7,0	3,7	4,6*	
0	Blade	–	19,7	27,0*	11,0	18,1*	7,1	13,1*	4,7	10,1*	4,1	4,6*	26'10"
	Outriggers	Blade	27,0*	27,0*	15,8	18,1*	10,5	13,1*	7,2	10,1*	4,6*	4,6*	
	–	–	16,9	29,5	9,4	15,8	5,9	9,8	4,0	5,9*	4,0	5,5*	
– 5	Blade	–	19,0	29,5*	10,5	18,3*	6,6	13,3*	4,5	5,9*	4,5	5,5*	25' 1"
	Outriggers	Blade	29,5*	29,5*	16,2	18,3*	10,1	13,3*	5,9*	5,9*	5,5*	5,5*	
	–	–	16,5	30,5*	8,8	15,1	5,6	9,5			4,8	7,4*	
–10	Blade	–	18,7	30,5*	9,9	18,7*	6,3	11,2*			5,4	7,4*	22' 1"
	Outriggers	Blade	30,5*	30,5*	15,5	18,7*	9,8	11,2*			7,4*	7,4*	
	–	–	16,0	21,7*							9,7	12,5*	
–15	Blade	–	18,1	21,7*							10,9	12,5*	13'10"
	Outriggers	Blade	21,7*	21,7*							12,5*	12,5*	

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 33 without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (± 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. The values apply when the adjusting cylinder is in the optimal position. Indicated loads 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. 11,000 lb). Without the quick coupler, lift capacities will increase by up to 240 lb.

Lift capacities

with two-piece boom 17'3" (heavy counterweight), EW undercarriage

Stick 6'9"

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
	–	–			8,1*	8,1*					6,0*	6,0*	
25	Blade	–			8,1*	8,1*					6,0*	6,0*	16' 1"
	Outriggers	Blade			8,1*	8,1*					6,0*	6,0*	
	–	–			11,5*	11,5*	7,4	7,6*			5,2*	5,2*	
20	Blade	–			11,5*	11,5*	7,6*	7,6*			5,2*	5,2*	20'11"
	Outriggers	Blade			11,5*	11,5*	7,6*	7,6*			5,2*	5,2*	
	–	–	18,2*	18,2*	11,7	14,1*	7,6	10,8			5,0*	5,0*	
15	Blade	–	18,2*	18,2*	12,7	14,1*	8,3	11,7*			5,0*	5,0*	23' 8"
	Outriggers	Blade	18,2*	18,2*	14,1*	14,1*	11,4	11,7*			5,0*	5,0*	
	–	–	20,2	25,0*	11,4	16,0	7,5	10,7	4,9	5,8*	4,9	5,2*	
10	Blade	–	22,3	25,0*	12,4	16,5*	8,2	12,5*	5,5	5,8*	5,2*	5,2*	25' 1"
	Outriggers	Blade	25,0*	25,0*	16,5*	16,5*	11,3	12,5*	5,8*	5,8*	5,2*	5,2*	
	–	–	19,9	25,3*	11,3	15,8	7,3	10,6	4,8	7,2	4,6	5,6*	
5	Blade	–	22,0	25,3*	12,3	18,2*	8,0	13,3*	5,4	8,0*	5,2	5,6*	25' 6"
	Outriggers	Blade	25,3*	25,3*	16,7	18,2*	11,3	13,3*	7,7	8,0*	5,6*	5,6*	
	–	–	19,8	28,6*	11,0	16,0	6,9	10,2			4,7	6,3*	
0	Blade	–	22,3	28,6*	12,1	18,5*	7,7	13,4*			5,3	6,3*	24'10"
	Outriggers	Blade	28,6*	28,6*	16,8	18,5*	10,9	13,4*			6,3*	6,3*	
	–	–	19,0	30,1*	10,4	15,8	6,5	9,9			5,2	7,9*	
– 5	Blade	–	21,5	30,1*	11,6	18,8*	7,3	13,2*			5,8	7,9*	23'
	Outriggers	Blade	30,1*	30,1*	17,0	18,8*	10,6	13,2*			7,9*	7,9*	
	–	–	18,6	30,1*	9,8	15,2					6,6	8,1*	
–10	Blade	–	21,1	30,1*	11,0	17,0*					7,3	8,1*	19' 8"
	Outriggers	Blade	30,1*	30,1*	16,3	17,0*					8,1*	8,1*	
	–	–											
–15	Blade	–											
	Outriggers	Blade											

Stick 7'5"

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
	–	–			8,5*	8,5*					5,4*	5,4*	
25	Blade	–			8,5*	8,5*					5,4*	5,4*	17' 1"
	Outriggers	Blade			8,5*	8,5*					5,4*	5,4*	
	–	–			10,6*	10,6*	7,5	8,0*			4,7*	4,7*	
20	Blade	–			10,6*	10,6*	8,0*	8,0*			4,7*	4,7*	21' 8"
	Outriggers	Blade			10,6*	10,6*	8,0*	8,0*			4,7*	4,7*	
	–	–	14,5*	14,5*	11,7	13,6*	7,6	10,8			4,6*	4,6*	
15	Blade	–	14,5*	14,5*	12,7	13,6*	8,3	11,4*			4,6*	4,6*	24' 5"
	Outriggers	Blade	14,5*	14,5*	13,6*	13,6*	11,4*	11,4*			4,6*	4,6*	
	–	–	20,2	25,4*	11,3	16,0	7,6	10,7	5,0	7,3*	4,7*	4,7*	
10	Blade	–	22,3	25,4*	12,4	16,1*	8,3	12,3*	5,5	7,3*	4,7*	4,7*	25'10"
	Outriggers	Blade	25,4*	25,4*	16,1*	16,1*	11,2	12,3*	7,3*	7,3*	4,7*	4,7*	
	–	–	19,8	25,0*	11,2	15,8	7,3	10,6	4,9	7,2	4,5	5,0*	
5	Blade	–	21,9	25,0*	12,2	18,0*	8,1	13,1*	5,4	9,3*	5,0	5,0*	26' 1"
	Outriggers	Blade	25,0*	25,0*	16,7	18,0*	11,2	13,1*	7,7	9,3*	5,0*	5,0*	
	–	–	19,9	28,0*	11,0	15,8	7,0	10,3	4,7	7,1	4,5	5,7*	
0	Blade	–	22,1	28,0*	12,2	18,4*	7,7	13,3*	5,2	8,0*	5,0	5,7*	25' 6"
	Outriggers	Blade	28,0*	28,0*	16,7	18,4*	10,9	13,3*	7,5	8,0*	5,7*	5,7*	
	–	–	19,0	29,9*	10,5	15,9	6,6	9,9			5,0	7,0*	
– 5	Blade	–	21,5	29,9*	11,7	18,6*	7,3	13,4*			5,5	7,0*	23' 8"
	Outriggers	Blade	29,9*	29,9*	17,0	18,6*	10,6	13,4*			7,0*	7,0*	
	–	–	18,7	30,7*	9,8	15,2	6,3	9,0*			6,1	8,1*	
–10	Blade	–	21,2	30,7*	11,0	17,8*	7,1	9,0*			6,8	8,1*	20' 6"
	Outriggers	Blade	30,7*	30,7*	16,3	17,8*	9,0*	9,0*			8,1*	8,1*	
	–	–											
–15	Blade	–											
	Outriggers	Blade											

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 33 without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (± 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. The values apply when the adjusting cylinder is in the optimal position. Indicated loads 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. 11,000 lb). Without the quick coupler, lift capacities will increase by up to 240 lb.

Stick 8'

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
	–	–			8,4*	8,4*					4,9*	4,9*	
25	Blade	–			8,4*	8,4*					4,9*	4,9*	18' 1"
	Outriggers	Blade			8,4*	8,4*					4,9*	4,9*	
	–	–			9,7*	9,7*	7,6	8,1*			4,3*	4,3*	
20	Blade	–			9,7*	9,7*	8,1*	8,1*			4,3*	4,3*	22' 6"
	Outriggers	Blade			9,7*	9,7*	8,1*	8,1*			4,3*	4,3*	
	–	–			11,7	12,1*	7,7	10,7*	4,4*	4,4*	4,2*	4,2*	
15	Blade	–			12,1*	12,1*	8,4	10,7*	4,4*	4,4*	4,2*	4,2*	25' 1"
	Outriggers	Blade			12,1*	12,1*	10,7*	10,7*	4,4*	4,4*	4,2*	4,2*	
	–	–	20,2	25,0*	11,3	15,7*	7,6	10,6	5,0	7,4	4,2*	4,2*	
10	Blade	–	22,3	25,0*	12,3	15,7*	8,3	12,1*	5,5	8,0*	4,2*	4,2*	26' 5"
	Outriggers	Blade	25,0*	25,0*	15,7*	15,7*	11,2	12,1*	7,8	8,0*	4,2*	4,2*	
	–	–	19,7	24,8*	11,1	15,7	7,4	10,5	4,9	7,2	4,3	4,5*	
5	Blade	–	21,8	24,8*	12,1	17,8*	8,1	12,9*	5,4	10,0*	4,5*	4,5*	26'10"
	Outriggers	Blade	24,8*	24,8*	16,6	17,8*	11,1	12,9*	7,7	10,0*	4,5*	4,5*	
	–	–	19,8	27,5*	11,0	15,7	7,0	10,3	4,7	7,0	4,3	5,1*	
0	Blade	–	22,0	27,5*	12,2	18,3*	7,7	13,2*	5,2	9,8*	4,8	5,1*	26' 1"
	Outriggers	Blade	27,5*	27,5*	16,6	18,3*	11,0	13,2*	7,5	9,8*	5,1*	5,1*	
	–	–	19,0	29,7*	10,5	15,9	6,6	9,9			4,7	6,1*	
– 5	Blade	–	21,5	29,7*	11,6	18,5*	7,3	13,4*			5,3	6,1*	24' 5"
	Outriggers	Blade	29,7*	29,7*	17,1	18,5*	10,6	13,4*			6,1*	6,1*	
	–	–	18,8	30,8*	9,8	15,2	6,3	9,6			5,7	8,0*	
–10	Blade	–	21,3	30,8*	11,0	18,4*	7,0	10,3*			6,4	8,0*	21' 4"
	Outriggers	Blade	30,8*	30,8*	16,3	18,4*	10,3	10,3*			8,0*	8,0*	
	–	–	18,1	18,8*							17,4	18,1*	
–15	Blade	–	18,8*	18,8*							18,1*	18,1*	10' 4"
	Outriggers	Blade	18,8*	18,8*							18,1*	18,1*	

Stick 8'8"

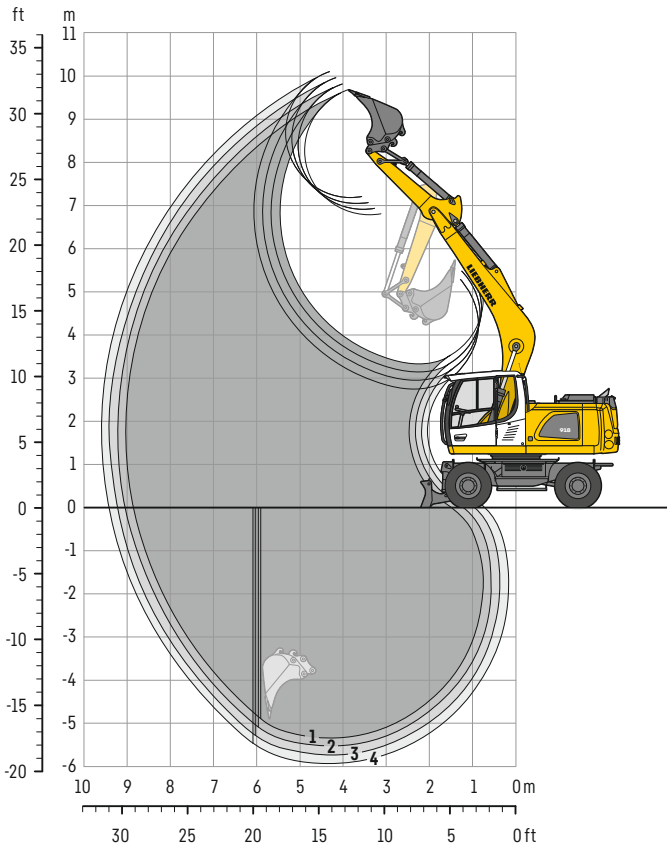
ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
	–	–			8,2*	8,2*					4,4*	4,4*	
25	Blade	–			8,2*	8,2*					4,4*	4,4*	19'
	Outriggers	Blade			8,2*	8,2*					4,4*	4,4*	
	–	–			8,9*	8,9*	7,6	7,9*			4,0*	4,0*	
20	Blade	–			8,9*	8,9*	7,9*	7,9*			4,0*	4,0*	23' 2"
	Outriggers	Blade			8,9*	8,9*	7,9*	7,9*			4,0*	4,0*	
	–	–			10,8*	10,8*	7,7	10,0*	5,1	5,6*	3,8*	3,8*	
15	Blade	–			10,8*	10,8*	8,4	10,0*	5,6*	5,6*	3,8*	3,8*	25' 8"
	Outriggers	Blade			10,8*	10,8*	10,0*	10,0*	5,6*	5,6*	3,8*	3,8*	
	–	–	20,2	23,8*	11,3	15,2*	7,6	10,6	5,0	7,4	3,9*	3,9*	
10	Blade	–	22,3	23,8*	12,3	15,2*	8,3	11,8*	5,6	8,3*	3,9*	3,9*	27' 1"
	Outriggers	Blade	23,8*	23,8*	15,2*	15,2*	11,2	11,8*	7,8	8,3*	3,9*	3,9*	
	–	–	19,7	24,7*	11,1	15,6	7,4	10,5	4,9	7,2	4,1	4,1*	
5	Blade	–	21,7	24,7*	12,1	17,5*	8,2	12,8*	5,4	10,2*	4,1*	4,1*	27' 5"
	Outriggers	Blade	24,7*	24,7*	16,5	17,5*	11,0	12,8*	7,7	10,2*	4,1*	4,1*	
	–	–	19,7	27,0*	11,0	15,6	7,1	10,3	4,7	7,0	4,1	4,6*	
0	Blade	–	21,8	27,0*	12,1	18,1*	7,8	13,1*	5,2	10,1*	4,6*	4,6*	26'10"
	Outriggers	Blade	27,0*	27,0*	16,5	18,1*	11,0	13,1*	7,5	10,1*	4,6*	4,6*	
	–	–	19,0	29,5*	10,5	15,9	6,6	9,9	4,5	5,9*	4,5	5,5*	
– 5	Blade	–	21,5	29,5*	11,6	18,3*	7,3	13,3*	5,0	5,9*	5,0	5,5*	25' 1"
	Outriggers	Blade	29,5*	29,5*	16,9	18,3*	10,6	13,3*	5,9*	5,9*	5,5*	5,5*	
	–	–	18,6	30,5*	9,8	15,2	6,3	9,6			5,4	7,4*	
–10	Blade	–	21,1	30,5*	11,0	18,7*	7,0	11,2*			6,0	7,4*	22' 1"
	Outriggers	Blade	30,5*	30,5*	16,4	18,7*	10,3	11,2*			7,4*	7,4*	
	–	–	18,1	21,7*							10,9	12,5*	
–15	Blade	–	20,5	21,7*							12,2	12,5*	13'10"
	Outriggers	Blade	21,7*	21,7*							12,5*	12,5*	

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 33 without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (± 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. The values apply when the adjusting cylinder is in the optimal position. Indicated loads 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. 11,000 lb). Without the quick coupler, lift capacities will increase by up to 240 lb.

Backhoe bucket

with mono boom 17'5"



Digging envelope

with quick coupler		1	2	3	4
Stick length	ft in	6' 9"	7' 5"	8'	8'8"
Max. digging depth	ft in	17' 7"	18' 3"	18'10"	19'6"
Max. reach at ground level	ft in	29'	29' 8"	30' 4"	31'
Max. dumping height	ft in	22' 2"	22' 8"	23' 2"	23'7"
Max. teeth height	ft in	31'10"	32' 4"	32' 8"	33'2"
Min. equipment radius	ft in	8'10"	8'11"	9'	9'2"

Digging forces

without quick coupler		1	2	3	4
Max. digging force (ISO 6015)	lbf	19,603	18,277	17,153	16,141
	lb	19,600	18,300	17,200	16,100
Max. breakout force (ISO 6015)	lbf	22,346	22,346	22,346	22,346
	lb	22,300	22,300	22,300	22,300

Max. breakout force with ripper bucket 28,259 lbf (28,200 lb)

Operating weight

The operating weight includes the basic machine with 8 tires plus intermediate rings, mono boom 17'5", stick 8', quick coupler SWA 33 and bucket 3'5" / 1.05 yd³.

Undercarriage versions	Weight (lb)
A 918 Litronic with rear blade	38,100
A 918 Litronic with rear outriggers + front blade	40,100
A 918 Litronic with rear + front outriggers	40,600

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

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised				Rear blade down				Rear outriggers + front blade down				Rear + front outriggers down			
			Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)			
ft in	yd³	lb	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"
1'8"[2]	0.39	639	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2'2"[2]	0.55	772	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2'9"[2]	0.78	882	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
3'5"[2]	1.05	1,058	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
4'1"[2]	1.24	1,168	■	△	△	△	■	■	■	■	■	■	■	■	■	■	■	■
1'8"[3]	0.39	705	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2'2"[3]	0.55	860	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2'9"[3]	0.78	992	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
3'5"[3]	1.05	1,190	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
4'1"[3]	1.24	1,301	■	△	△	△	■	■	■	△	■	■	■	■	■	■	■	■
1'8"[4]	0.42	595	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2'2"[4]	0.59	728	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2'9"[4]	0.85	838	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
3'5"[4]	1.11	1,014	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
4'1"[4]	1.37	1,102	△	△	△	-	■	■	△	△	■	■	■	■	■	■	■	■

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

[1] comparable with SAE (heaped)

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

Buckets with 19.7" cutting width with limited digging depth

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

Lift capacities

with mono boom 17'5"

Stick 6'9"

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
25	–	–			7,1*	7,1*					5,7*	5,7*	15' 8"
	Blade	–			7,1*	7,1*					5,7*	5,7*	
	Outriggers	Blade			7,1*	7,1*					5,7*	5,7*	
	Outriggers	Outriggers			7,1*	7,1*					5,7*	5,7*	
20	–	–			9,6*	9,6*	6,3	6,8*			5,1*	5,1*	20' 8"
	Blade	–			9,6*	9,6*	6,8*	6,8*			5,1*	5,1*	
	Outriggers	Blade			9,6*	9,6*	6,8*	6,8*			5,1*	5,1*	
	Outriggers	Outriggers			9,6*	9,6*	6,8*	6,8*			5,1*	5,1*	
15	–	–	14,8*	14,8*	9,6	11,4*	6,1	9,9			4,7	5,0*	23' 6"
	Blade	–	14,8*	14,8*	10,6	11,4*	6,8	10,0*			5,0*	5,0*	
	Outriggers	Blade	14,8*	14,8*	11,4*	11,4*	10,0*	10,0*			5,0*	5,0*	
	Outriggers	Outriggers	14,8*	14,8*	11,4*	11,4*	10,0*	10,0*			5,0*	5,0*	
10	–	–			8,7	14,5*	5,8	9,5			4,1	5,3*	24'11"
	Blade	–			9,7	14,5*	6,4	11,2*			4,5	5,3*	
	Outriggers	Blade			14,5*	14,5*	9,8	11,2*			5,3*	5,3*	
	Outriggers	Outriggers			14,5*	14,5*	11,2*	11,2*			5,3*	5,3*	
5	–	–			7,9	13,8	5,4	9,1	3,9	6,6	3,8	5,8*	25' 4"
	Blade	–			8,9	17,2*	6,0	12,5*	4,4	7,2*	4,3	5,8*	
	Outriggers	Blade			14,2	17,2*	9,4	12,5*	6,8	7,2*	5,8*	5,8*	
	Outriggers	Outriggers			17,2*	17,2*	11,6	12,5*	7,2*	7,2*	5,8*	5,8*	
0	–	–	10,7*	10,7*	7,5	13,3	5,1	8,8			3,9	6,6	24' 7"
	Blade	–	10,7*	10,7*	8,4	18,2*	5,8	13,2*			4,4	6,8*	
	Outriggers	Blade	10,7*	10,7*	13,7	18,2*	9,1	13,2*			6,8*	6,8*	
	Outriggers	Outriggers	10,7*	10,7*	17,6	18,2*	11,3	13,2*			6,8*	6,8*	
– 5	–	–	13,5	18,9*	7,4	13,2	5,0	8,7			4,3	7,3	22'10"
	Blade	–	15,4	18,9*	8,4	17,6*	5,7	12,9*			4,8	8,8*	
	Outriggers	Blade	18,9*	18,9*	13,6	17,6*	9,0	12,9*			7,6	8,8*	
	Outriggers	Outriggers	18,9*	18,9*	17,5	17,6*	11,2	12,9*			8,8*	8,8*	
–10	–	–	13,8	21,4*	7,6	13,4					5,4	9,3	19' 5"
	Blade	–	15,8	21,4*	8,5	15,2*					6,0	11,2*	
	Outriggers	Blade	21,4*	21,4*	13,8	15,2*					9,5	11,2*	
	Outriggers	Outriggers	21,4*	21,4*	15,2*	15,2*					11,2*	11,2*	
–15	–	–											
	Blade	–											
	Outriggers	Blade											
	Outriggers	Outriggers											

Stick 7'5"

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
25	–	–			7,7*	7,7*					5,2*	5,2*	16' 8"
	Blade	–			7,7*	7,7*					5,2*	5,2*	
	Outriggers	Blade			7,7*	7,7*					5,2*	5,2*	
	Outriggers	Outriggers			7,7*	7,7*					5,2*	5,2*	
20	–	–			9,1*	9,1*	6,3	7,4*			4,7*	4,7*	21' 5"
	Blade	–			9,1*	9,1*	7,0	7,4*			4,7*	4,7*	
	Outriggers	Blade			9,1*	9,1*	7,4*	7,4*			4,7*	4,7*	
	Outriggers	Outriggers			9,1*	9,1*	7,4*	7,4*			4,7*	4,7*	
15	–	–			9,6	10,9*	6,1	9,7*			4,5	4,6*	24' 1"
	Blade	–			10,6	10,9*	6,8	9,7*			4,6*	4,6*	
	Outriggers	Blade			10,9*	10,9*	9,7*	9,7*			4,6*	4,6*	
	Outriggers	Outriggers			10,9*	10,9*	9,7*	9,7*			4,6*	4,6*	
10	–	–	15,3	20,0*	8,8	14,0*	5,8	9,5	4,1	6,6*	3,9	4,7*	25' 7"
	Blade	–	17,3	20,0*	9,7	14,0*	6,4	10,9*	4,5	6,6*	4,4	4,7*	
	Outriggers	Blade	20,0*	20,0*	14,0*	14,0*	9,8	10,9*	6,6*	6,6*	4,7*	4,7*	
	Outriggers	Outriggers	19,9*	19,9*	14,0*	14,0*	10,9*	10,9*	6,6*	6,6*	4,7*	4,7*	
5	–	–			7,9	13,8	5,4	9,1	3,9	6,6	3,7	5,2*	25'11"
	Blade	–			8,9	16,8*	6,0	12,3*	4,3	8,7*	4,1	5,2*	
	Outriggers	Blade			14,2	16,8*	9,4	12,3*	6,8	8,7*	5,2*	5,2*	
	Outriggers	Outriggers			16,8*	16,8*	11,6	12,3*	8,3	8,7*	5,2*	5,2*	
0	–	–	11,0*	11,0*	7,4	13,3	5,1	8,8	3,7	6,4	3,7	6,0*	25' 2"
	Blade	–	11,0*	11,0*	8,4	18,1*	5,7	13,1*	4,2	7,2*	4,2	6,0*	
	Outriggers	Blade	11,0*	11,0*	13,7	18,1*	9,0	13,1*	6,6	7,2*	6,0*	6,0*	
	Outriggers	Outriggers	11,0*	11,0*	17,6	18,1*	11,3	13,1*	7,2*	7,2*	6,0*	6,0*	
– 5	–	–	13,3	18,0*	7,3	13,1	5,0	8,7			4,1	7,0	23' 5"
	Blade	–	15,2	18,0*	8,3	17,7*	5,6	12,9*			4,6	7,7*	
	Outriggers	Blade	18,0*	18,0*	13,6	17,7*	8,9	12,9*			7,2	7,7*	
	Outriggers	Outriggers	18,0*	18,0*	17,4	17,7*	11,2	12,9*			7,7*	7,7*	
–10	–	–	13,6	22,2*	7,4	13,3	5,1	8,8			5,0	8,7	20' 2"
	Blade	–	15,6	22,2*	8,4	15,6*	5,7	11,1*			5,6	10,9*	
	Outriggers	Blade	22,2*	22,2*	13,7	15,6*	9,0	11,1*			8,9	10,9*	
	Outriggers	Outriggers	22,2*	22,2*	15,6*	15,6*	11,1*	11,1*			10,9*	10,9*	
–15	–	–											
	Blade	–											
	Outriggers	Blade											
	Outriggers	Outriggers											

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 33 without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (± 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads 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. 11,000 lb). Without the quick coupler, lift capacities will increase by up to 240 lb.

Lift capacities

with mono boom 17'5"

Stick 8'

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
25	–	–									4,7*	4,7*	17' 8"
	Blade	–									4,7*	4,7*	
	Outriggers	Blade									4,7*	4,7*	
	Outriggers	Outriggers									4,7*	4,7*	
20	–	–					6,4	7,6*			4,2*	4,2*	22' 2"
	Blade	–					7,0	7,6*			4,2*	4,2*	
	Outriggers	Blade					7,6*	7,6*			4,2*	4,2*	
	Outriggers	Outriggers					7,6*	7,6*			4,2*	4,2*	
15	–	–			9,7	10,4*	6,2	9,3*			4,2*	4,2*	24'10"
	Blade	–			10,4*	10,4*	6,8	9,3*			4,2*	4,2*	
	Outriggers	Blade			10,4*	10,4*	9,3*	9,3*			4,2*	4,2*	
	Outriggers	Outriggers			10,4*	10,4*	9,3*	9,3*			4,2*	4,2*	
10	–	–	15,7	21,7*	8,8	13,4*	5,8	9,5	4,0	6,7	3,7	4,3*	26' 2"
	Blade	–	17,7	21,7*	9,8	13,4*	6,4	10,6*	4,5	7,5*	4,2	4,3*	
	Outriggers	Blade	21,7*	21,7*	13,4*	13,4*	9,8	10,6*	6,9	7,5*	4,3*	4,3*	
	Outriggers	Outriggers	21,7*	21,7*	13,4*	13,4*	10,6*	10,6*	7,5*	7,5*	4,3*	4,3*	
5	–	–			7,9	13,8	5,4	9,1	3,8	6,5	3,5	4,7*	26' 6"
	Blade	–			8,9	16,4*	6,0	12,0*	4,3	9,5*	3,9	4,7*	
	Outriggers	Blade			14,3	16,4*	9,3	12,0*	6,7	9,5*	4,7*	4,7*	
	Outriggers	Outriggers			16,4*	16,4*	11,6	12,0*	8,3	9,5*	4,7*	4,7*	
0	–	–	11,2*	11,2*	7,4	13,2	5,0	8,7	3,7	6,4	3,5	5,4*	25'11"
	Blade	–	11,2*	11,2*	8,4	17,9*	5,7	12,9*	4,2	9,1*	4,0	5,4*	
	Outriggers	Blade	11,2*	11,2*	13,7	17,9*	9,0	12,9*	6,6	9,1*	5,4*	5,4*	
	Outriggers	Outriggers	11,3*	11,3*	17,5	17,9*	11,3	12,9*	8,1	9,1*	5,4*	5,4*	
– 5	–	–	13,1	17,2*	7,2	13,1	4,9	8,6			3,8	6,6	24' 1"
	Blade	–	15,1	17,2*	8,2	17,7*	5,5	12,9*			4,3	6,8*	
	Outriggers	Blade	17,2*	17,2*	13,5	17,7*	8,9	12,9*			6,8*	6,8*	
	Outriggers	Outriggers	17,3*	17,3*	17,3	17,7*	11,1	12,9*			6,8*	6,8*	
–10	–	–	13,4	22,9*	7,3	13,2	5,0	8,7			4,7	8,1	21'
	Blade	–	15,4	22,9*	8,3	15,9*	5,6	11,4*			5,3	10,0*	
	Outriggers	Blade	22,9*	22,9*	13,6	15,9*	8,9	11,4*			8,4	10,0*	
	Outriggers	Outriggers	22,9*	22,9*	15,9*	15,9*	11,2	11,4*			10,0*	10,0*	
–15	–	–			7,8	11,2*					7,4	10,6*	15' 7"
	Blade	–			8,7	11,2*					8,3	10,6*	
	Outriggers	Blade			11,2*	11,2*					10,6*	10,6*	
	Outriggers	Outriggers			11,2*	11,2*					10,6*	10,6*	

Stick 8'8"

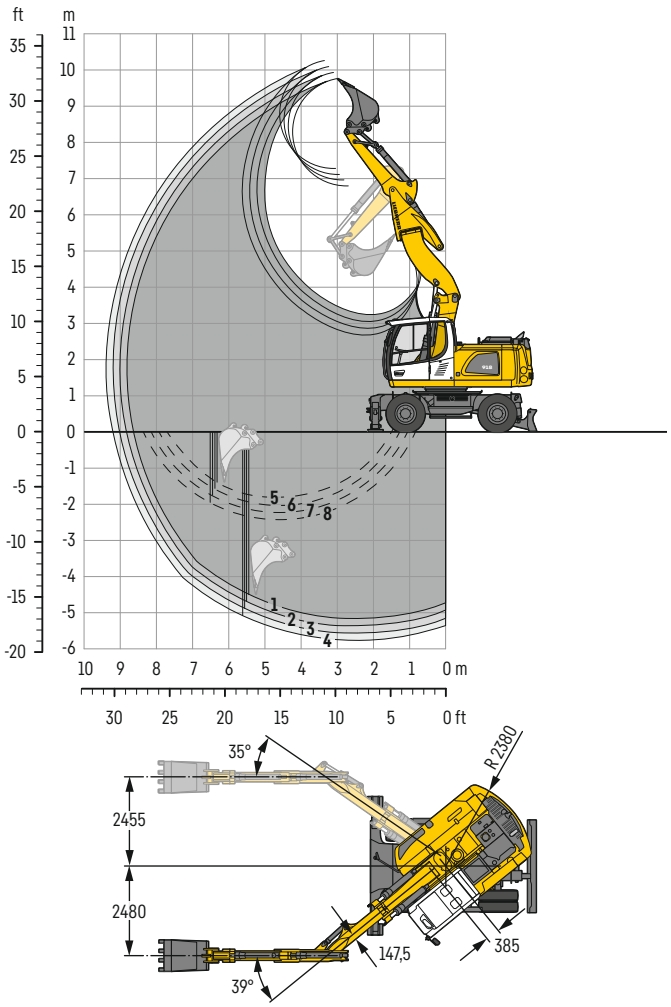
ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
25	–	–									4,3*	4,3*	18' 8"
	Blade	–									4,3*	4,3*	
	Outriggers	Blade									4,3*	4,3*	
	Outriggers	Outriggers									4,3*	4,3*	
20	–	–					6,4	7,5*			3,9*	3,9*	22'11"
	Blade	–					7,1	7,5*			3,9*	3,9*	
	Outriggers	Blade					7,5*	7,5*			3,9*	3,9*	
	Outriggers	Outriggers					7,5*	7,5*			3,9*	3,9*	
15	–	–			9,8	9,8*	6,2	8,9*	4,2	4,9*	3,8*	3,8*	25' 6"
	Blade	–			9,8*	9,8*	6,8	8,9*	4,7	4,9*	3,8*	3,8*	
	Outriggers	Blade			9,8*	9,8*	8,9*	8,9*	4,9*	4,9*	3,8*	3,8*	
	Outriggers	Outriggers			9,8*	9,8*	8,9*	8,9*	4,9*	4,9*	3,8*	3,8*	
10	–	–	16,0	20,2*	8,9	12,9*	5,8	9,5	4,0	6,7	3,5	3,9*	26'10"
	Blade	–	18,0	20,2*	9,9	12,9*	6,4	10,3*	4,5	7,9*	3,9*	3,9*	
	Outriggers	Blade	20,2*	20,2*	12,9*	12,9*	9,8	10,3*	6,9	7,9*	3,9*	3,9*	
	Outriggers	Outriggers	20,2*	20,2*	12,9*	12,9*	10,3*	10,3*	7,9*	7,9*	3,9*	3,9*	
5	–	–	9,7*	9,7*	7,9	13,9	5,3	9,1	3,8	6,5	3,3	4,2*	27' 2"
	Blade	–	9,7*	9,7*	8,9	16,0*	6,0	11,7*	4,3	9,7*	3,7	4,2*	
	Outriggers	Blade	9,7*	9,7*	14,3	16,0*	9,3	11,7*	6,7	9,7*	4,2*	4,2*	
	Outriggers	Outriggers	9,6*	9,6*	16,0*	16,0*	11,6	11,7*	8,3	9,7*	4,2*	4,2*	
0	–	–	11,4*	11,4*	7,4	13,2	5,0	8,7	3,6	6,3	3,3	4,8*	26' 6"
	Blade	–	11,4*	11,4*	8,3	17,7*	5,6	12,7*	4,1	9,5	3,8	4,8*	
	Outriggers	Blade	11,4*	11,4*	13,6	17,7*	9,0	12,7*	6,5	10,1*	4,8*	4,8*	
	Outriggers	Outriggers	11,4*	11,4*	17,5	17,7*	11,2	12,7*	8,1	10,1*	4,8*	4,8*	
– 5	–	–	13,0	16,6*	7,1	13,0	4,8	8,5			3,6	6,0*	24'10"
	Blade	–	14,9	16,6*	8,1	17,8*	5,5	12,9*			4,1	6,0*	
	Outriggers	Blade	16,6*	16,6*	13,4	17,8*	8,8	12,9*			6,0*	6,0*	
	Outriggers	Outriggers	16,6*	16,6*	17,2	17,8*	11,0	12,9*			6,0*	6,0*	
–10	–	–	13,2	23,6*	7,2	13,0	4,9	8,6			4,4	7,6	21'10"
	Blade	–	15,2	23,6*	8,2	16,2*	5,5	11,7*			4,9	8,6*	
	Outriggers	Blade	23,6*	23,6*	13,4	16,2*	8,8	11,7*			7,9	8,6*	
	Outriggers	Outriggers	23,6*	23,6*	16,2*	16,2*	11,1	11,7*			8,6*	8,6*	
–15	–	–			7,6	12,0*					6,6	10,3*	16' 8"
	Blade	–			8,5	12,0*					7,4	10,3*	
	Outriggers	Blade			12,0*	12,0*					10,3*	10,3*	
	Outriggers	Outriggers			12,0*	12,0*					10,3*	10,3*	

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 33 without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (± 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads 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. 11,000 lb). Without the quick coupler, lift capacities will increase by up to 240 lb.

Backhoe bucket

with offset two-piece boom 16'5"



Digging envelope

with quick coupler		1	2	3	4
Stick length	ft in	6' 9"	7' 5"	8'	8' 8"
Max. digging depth	ft in	16'11"	17' 9"	18'4"	19'
Max. reach at ground level	ft in	28' 5"	29'	29'8"	30' 4"
Max. dumping height	ft in	22' 4"	22'10"	23'4"	23' 9"
Max. teeth height	ft in	32' 2"	32' 8"	33'2"	33' 8"
Min. equipment radius	ft in	8' 4"	8' 6"	8'9"	8'11"

1 with stick 6'9"
2 with stick 7'5"
3 with stick 8'
4 with stick 8'8"
with set straight boom

5 with stick 6'9"
6 with stick 7'5"
7 with stick 8'
8 with stick 8'8"
at max. equipment offset with vertical ditch walls

Digging forces

without quick coupler		1	2	3	4
Max. digging force (ISO 6015)	lbf	19,603	18,277	17,153	16,141
	lb	19,600	18,300	17,200	16,100
Max. breakout force (ISO 6015)	lbf	22,346	22,346	22,346	22,346
	lb	22,300	22,300	22,300	22,300

Max. breakout force with ripper bucket 28,259 lbf (28,200 lb)

Operating weight

The operating weight includes the basic machine with 8 tires plus intermediate rings, offset two-piece boom 16'5", stick 8', quick coupler SWA 33 and bucket 3'5" / 1.05 yd³.

Undercarriage versions	Weight (lb)
A 918 Litronic with rear blade	40,100
A 918 Litronic with rear outriggers + front blade	42,300
A 918 Litronic with rear + front outriggers	42,800

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

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised				Rear blade down				Rear outriggers + front blade down				Rear + front outriggers down			
			Stick length (ft in)				Stick length (ft in)				Stick length (ft in)				Stick length (ft in)			
ft in	yd³	lb	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"
2'9"[2]	0.78	882	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
3'5"[2]	1.05	1,058	■	■	■	△	■	■	■	■	■	■	■	■	■	■	■	■
4'1"[2]	1.24	1,168	△	△	△	△	■	■	■	△	■	■	■	■	■	■	■	■
2'9"[3]	0.78	992	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
3'5"[3]	1.05	1,190	■	■	■	△	■	■	■	■	■	■	■	■	■	■	■	■
4'1"[3]	1.24	1,301	△	△	△	–	■	■	△	△	■	■	■	■	■	■	■	■
2'9"[4]	0.85	838	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
3'5"[4]	1.11	1,014	■	■	■	△	■	■	■	■	■	■	■	■	■	■	■	■
4'1"[4]	1.37	1,102	△	△	–	–	■	△	△	△	■	■	■	■	■	■	■	■

* 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 16'5"

Stick 6'9"

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
25	–	–									5,6*	5,6*	14' 8"
	Blade	–									5,6*	5,6*	
	Outriggers	Blade									5,6*	5,6*	
	Outriggers	Outriggers									5,6*	5,6*	
20	–	–			10,2	11,0*					4,9*	4,9*	19'11"
	Blade	–			11,0*	11,0*					4,9*	4,9*	
	Outriggers	Blade			11,0*	11,0*					4,9*	4,9*	
	Outriggers	Outriggers			11,0*	11,0*					4,9*	4,9*	
15	–	–	16,2*	16,2*	10,0	13,6*	6,1	9,9			4,6	4,7*	22'10"
	Blade	–	16,2*	16,2*	11,0	13,6*	6,8	10,8*			4,7*	4,7*	
	Outriggers	Blade	16,2*	16,2*	13,6*	13,6*	10,1	10,8*			4,7*	4,7*	
	Outriggers	Outriggers	16,2*	16,2*	13,6*	13,6*	10,8*	10,8*			4,7*	4,7*	
10	–	–	17,2	25,3*	9,7	14,9	6,1	9,8			3,9	4,8*	24' 4"
	Blade	–	18,9	25,3*	10,6	15,8*	6,7	12,1*			4,4	4,8*	
	Outriggers	Blade	25,3*	25,3*	15,2	15,8*	10,1	12,1*			4,8*	4,8*	
	Outriggers	Outriggers	25,4*	25,4*	15,8*	15,8*	12,0	12,1*			4,8*	4,8*	
5	–	–	16,8	25,7*	9,6	14,7	5,8	9,6			3,6	5,2*	24' 8"
	Blade	–	18,6	25,7*	10,5	17,5*	6,4	12,7*			4,1	5,2*	
	Outriggers	Blade	25,7*	25,7*	15,0	17,5*	9,8	12,7*			5,2*	5,2*	
	Outriggers	Outriggers	25,7*	25,7*	17,5*	17,5*	11,9	12,7*			5,2*	5,2*	
0	–	–	16,2	27,7	9,0	15,0	5,3	9,1			3,7	6,0*	24'
	Blade	–	18,4	28,3*	10,1	17,8*	6,0	12,9*			4,2	6,0*	
	Outriggers	Blade	28,2	28,3*	15,3	17,8*	9,4	12,9*			6,0*	6,0*	
	Outriggers	Outriggers	28,3*	28,3*	17,7	17,8*	11,7	12,9*			6,0*	6,0*	
– 5	–	–	15,3	28,8	8,2	14,3	4,9	8,7			4,1	7,4	22' 1"
	Blade	–	17,4	29,3*	9,2	18,3*	5,6	12,2*			4,7	7,7*	
	Outriggers	Blade	29,2	29,3*	14,7	18,3*	9,0	12,2*			7,6	7,7*	
	Outriggers	Outriggers	29,3*	29,3*	18,3*	18,3*	11,3	12,2*			7,7*	7,7*	
–10	–	–	14,5	28,2*	7,5	13,6					5,5	8,2*	18' 5"
	Blade	–	16,5	28,2*	8,5	15,2*					6,2	8,2*	
	Outriggers	Blade	28,2*	28,2*	14,0	15,2*					8,2*	8,2*	
	Outriggers	Outriggers	28,2*	28,2*	15,2*	15,2*					8,2*	8,2*	
–15	–	–											
	Blade	–											
	Outriggers	Blade											
	Outriggers	Outriggers											

Stick 7'5"

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
25	–	–			6,5*	6,5*					5,1*	5,1*	15' 8"
	Blade	–			6,5*	6,5*					5,1*	5,1*	
	Outriggers	Blade			6,5*	6,5*					5,1*	5,1*	
	Outriggers	Outriggers			6,5*	6,5*					5,1*	5,1*	
20	–	–			10,2	10,2*	6,1	6,1*			4,4*	4,4*	20' 8"
	Blade	–			10,2*	10,2*	6,1*	6,1*			4,4*	4,4*	
	Outriggers	Blade			10,2*	10,2*	6,1*	6,1*			4,4*	4,4*	
	Outriggers	Outriggers			10,2*	10,2*	6,1*	6,1*			4,4*	4,4*	
15	–	–	13,5*	13,5*	10,0	13,1*	6,2	9,9			4,2*	4,2*	23' 6"
	Blade	–	13,5*	13,5*	11,0	13,1*	6,9	10,4*			4,2*	4,2*	
	Outriggers	Blade	13,5*	13,5*	13,1*	13,1*	10,1	10,4*			4,2*	4,2*	
	Outriggers	Outriggers	13,5*	13,5*	13,1*	13,1*	10,4*	10,4*			4,2*	4,2*	
10	–	–	17,3	24,3*	9,7	14,9	6,2	9,9			3,7	4,3*	24'11"
	Blade	–	19,0	24,3*	10,6	15,4*	6,8	11,9*			4,2	4,3*	
	Outriggers	Blade	24,3*	24,3*	15,2	15,4*	10,1	11,9*			4,3*	4,3*	
	Outriggers	Outriggers	24,3*	24,3*	15,4*	15,4*	11,9*	11,9*			4,3*	4,3*	
5	–	–	16,8	25,5*	9,6	14,6	5,9	9,6	3,6	6,0*	3,5	4,7*	25' 4"
	Blade	–	18,5	25,5*	10,5	17,2*	6,5	12,6*	4,1	6,0*	3,9	4,7*	
	Outriggers	Blade	25,5*	25,5*	14,9	17,2*	9,9	12,6*	6,0*	6,0*	4,7*	4,7*	
	Outriggers	Outriggers	25,5*	25,5*	17,2*	17,2*	11,9	12,6*	6,0*	6,0*	4,7*	4,7*	
0	–	–	16,4	27,5	9,1	14,8	5,4	9,2			3,5	5,3*	24' 7"
	Blade	–	18,5	27,9*	10,1	17,6*	6,1	12,8*			4,0	5,3*	
	Outriggers	Blade	27,9*	27,9*	15,1	17,6*	9,4	12,8*			5,3*	5,3*	
	Outriggers	Outriggers	27,9*	27,9*	17,6	17,6*	11,7	12,8*			5,3*	5,3*	
– 5	–	–	15,3	28,5	8,3	14,4	4,9	8,7			3,9	6,7*	22'10"
	Blade	–	17,4	29,0*	9,3	18,1*	5,6	12,5*			4,4	6,7*	
	Outriggers	Blade	28,9	29,0*	14,8	18,1*	9,0	12,5*			6,7*	6,7*	
	Outriggers	Outriggers	29,0*	29,0*	18,1*	18,1*	11,3	12,5*			6,7*	6,7*	
–10	–	–	14,6	28,4	7,6	13,6					5,0	8,0*	19' 5"
	Blade	–	16,6	29,2*	8,5	16,3*					5,7	8,0*	
	Outriggers	Blade	29,2*	29,2*	14,0	16,3*					8,0*	8,0*	
	Outriggers	Outriggers	29,2*	29,2*	16,3*	16,3*					8,0*	8,0*	
–15	–	–											
	Blade	–											
	Outriggers	Blade											
	Outriggers	Outriggers											

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 33 without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (± 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. The values apply when the adjusting cylinder is in the optimal position. Indicated loads 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. 11,000 lb). Without the quick coupler, lift capacities will increase by up to 240 lb.

Stick 8'

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
25	–	–			7,2*	7,2*					4,6*	4,6*	16'10"
	Blade	–			7,2*	7,2*					4,6*	4,6*	
	Outriggers	Blade			7,2*	7,2*					4,6*	4,6*	
	Outriggers	Outriggers			7,2*	7,2*					4,6*	4,6*	
20	–	–			9,5*	9,5*	6,2	6,8*			4,0*	4,0*	21' 6"
	Blade	–			9,5*	9,5*	6,8*	6,8*			4,0*	4,0*	
	Outriggers	Blade			9,5*	9,5*	6,8*	6,8*			4,0*	4,0*	
	Outriggers	Outriggers			9,5*	9,5*	6,8*	6,8*			4,0*	4,0*	
15	–	–			10,0	11,8*	6,3	9,9			3,8*	3,8*	24' 2"
	Blade	–			11,0	11,8*	6,9	10,0*			3,8*	3,8*	
	Outriggers	Blade			11,8*	11,8*	10,0*	10,0*			3,8*	3,8*	
	Outriggers	Outriggers			11,8*	11,8*	10,0*	10,0*			3,8*	3,8*	
10	–	–	17,3	23,2*	9,7	14,9	6,2	9,9	3,8	5,8*	3,6	3,9*	25' 7"
	Blade	–	19,0	23,2*	10,6	15,0*	6,9	11,6*	4,3	5,8*	3,9*	3,9*	
	Outriggers	Blade	23,2*	23,2*	15,0*	15,0*	10,1	11,6*	5,8*	5,8*	3,9*	3,9*	
	Outriggers	Outriggers	23,2*	23,2*	15,0*	15,0*	11,6*	11,6*	5,8*	5,8*	3,9*	3,9*	
5	–	–	16,7	25,3*	9,5	14,6	6,0	9,7	3,6	6,3	3,3	4,2*	25'11"
	Blade	–	18,4	25,3*	10,4	17,0*	6,6	12,4*	4,1	7,5*	3,8	4,2*	
	Outriggers	Blade	25,3*	25,3*	14,9	17,0*	9,9	12,4*	6,5	7,5*	4,2*	4,2*	
	Outriggers	Outriggers	25,3*	25,3*	17,0*	17,0*	11,8	12,4*	7,5*	7,5*	4,2*	4,2*	
0	–	–	16,5	27,3	9,1	14,7	5,5	9,2	3,4	6,0*	3,3	4,8*	25' 4"
	Blade	–	18,6	27,4*	10,1	17,5*	6,1	12,7*	3,9	6,0*	3,8	4,8*	
	Outriggers	Blade	27,4*	27,4*	15,0	17,5*	9,5	12,7*	6,0*	6,0*	4,8*	4,8*	
	Outriggers	Outriggers	27,4*	27,4*	17,5	17,5*	11,8	12,7*	6,0*	6,0*	4,8*	4,8*	
– 5	–	–	15,3	28,2	8,5	14,5	5,0	8,8			3,7	5,9*	23' 6"
	Blade	–	17,4	28,8*	9,5	17,9*	5,6	12,7*			4,2	5,9*	
	Outriggers	Blade	28,6	28,8*	14,9	17,9*	9,0	12,7*			5,9*	5,9*	
	Outriggers	Outriggers	28,8*	28,8*	17,9*	17,9*	11,3	12,7*			5,9*	5,9*	
–10	–	–	14,7	28,6	7,6	13,6	4,7	8,4*			4,6	7,9*	20' 2"
	Blade	–	16,8	29,8*	8,6	17,1*	5,3	8,4*			5,2	7,9*	
	Outriggers	Blade	29,5	29,8*	14,0	17,1*	8,4*	8,4*			7,9*	7,9*	
	Outriggers	Outriggers	29,8*	29,8*	17,1*	17,1*	8,4*	8,4*			7,9*	7,9*	
–15	–	–											
	Blade	–											
	Outriggers	Blade											
	Outriggers	Outriggers											

Stick 8'8"

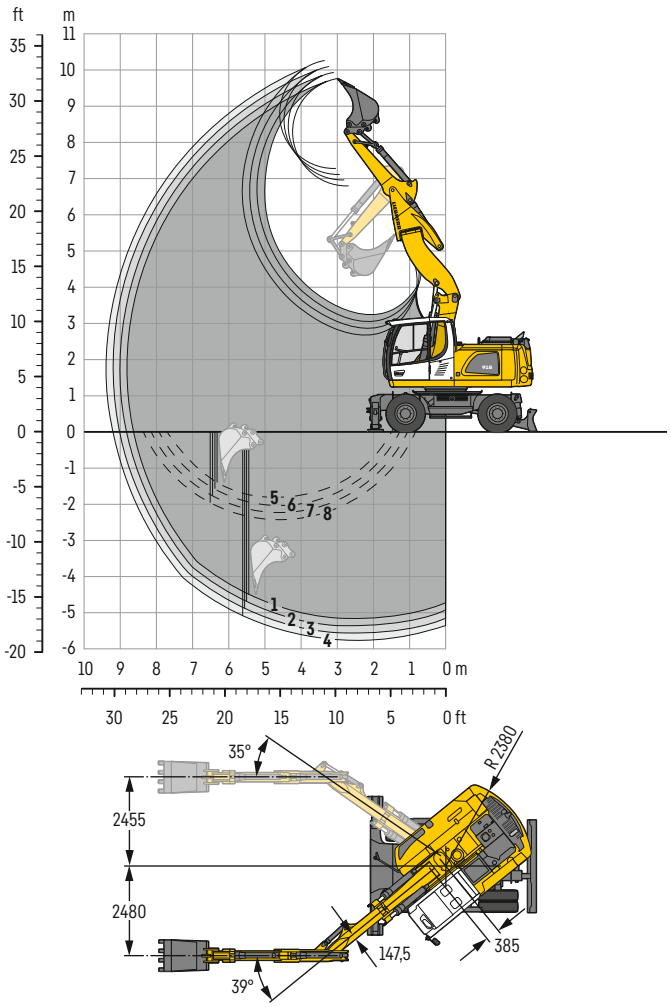
ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
25	–	–			7,4*	7,4*					4,2*	4,2*	17'10"
	Blade	–			7,4*	7,4*					4,2*	4,2*	
	Outriggers	Blade			7,4*	7,4*					4,2*	4,2*	
	Outriggers	Outriggers			7,4*	7,4*					4,2*	4,2*	
20	–	–			8,9*	8,9*	6,2	7,0*			3,6*	3,6*	22' 2"
	Blade	–			8,9*	8,9*	6,9	7,0*			3,6*	3,6*	
	Outriggers	Blade			8,9*	8,9*	7,0*	7,0*			3,6*	3,6*	
	Outriggers	Outriggers			8,9*	8,9*	7,0*	7,0*			3,6*	3,6*	
15	–	–			10,1	10,6*	6,4	9,4*			3,5*	3,5*	24'11"
	Blade	–			10,6*	10,6*	7,0	9,4*			3,5*	3,5*	
	Outriggers	Blade			10,6*	10,6*	9,4*	9,4*			3,5*	3,5*	
	Outriggers	Outriggers			10,6*	10,6*	9,4*	9,4*			3,5*	3,5*	
10	–	–	17,3	22,1*	9,7	14,5*	6,3	9,8	3,8	6,5	3,4	3,6*	26' 2"
	Blade	–	19,1	22,1*	10,6	14,5*	6,9	11,4*	4,3	6,7*	3,6*	3,6*	
	Outriggers	Blade	22,1*	22,1*	14,5*	14,5*	10,0	11,4*	6,7*	6,7*	3,6*	3,6*	
	Outriggers	Outriggers	22,1*	22,1*	14,5*	14,5*	11,4*	11,4*	6,7*	6,7*	3,6*	3,6*	
5	–	–	16,6	25,1*	9,4	14,5	6,1	9,7	3,7	6,4	3,1	3,8*	26' 7"
	Blade	–	18,3	25,1*	10,3	16,7*	6,7	12,3*	4,1	8,3*	3,6	3,8*	
	Outriggers	Blade	25,1*	25,1*	14,8	16,7*	10,0	12,3*	6,6	8,3*	3,8*	3,8*	
	Outriggers	Outriggers	25,1*	25,1*	16,7*	16,7*	11,7	12,3*	8,1	8,3*	3,8*	3,8*	
0	–	–	16,6	27,0*	9,2	14,6	5,6	9,3	3,4	6,1	3,1	4,3*	25'11"
	Blade	–	18,4	27,0*	10,2	17,4*	6,2	12,6*	3,9	7,8*	3,6	4,3*	
	Outriggers	Blade	27,0*	27,0*	14,9	17,4*	9,6	12,6*	6,3	7,8*	4,3*	4,3*	
	Outriggers	Outriggers	27,0*	27,0*	17,4	17,4*	11,8	12,6*	7,8*	7,8*	4,3*	4,3*	
– 5	–	–	15,3	27,9	8,5	14,6	5,0	8,8			3,4	5,2*	24' 2"
	Blade	–	17,4	28,5*	9,5	17,7*	5,7	12,8*			3,9	5,2*	
	Outriggers	Blade	28,3	28,5*	15,0	17,7*	9,0	12,8*			5,2*	5,2*	
	Outriggers	Outriggers	28,5*	28,5*	17,7*	17,7*	11,3	12,8*			5,2*	5,2*	
–10	–	–	14,9	28,8	7,6	13,7	4,7	8,5			4,3	7,4*	21' 1"
	Blade	–	16,9	30,0*	8,6	17,7*	5,3	9,6*			4,9	7,4*	
	Outriggers	Blade	29,7	30,0*	14,1	17,7*	8,7	9,6*			7,4*	7,4*	
	Outriggers	Outriggers	30,0*	30,0*	17,6*	17,6*	9,6*	9,6*			7,4*	7,4*	
–15	–	–	14,0	17,8*							13,8	17,5*	10' 1"
	Blade	–	16,1	17,8*							15,8	17,5*	
	Outriggers	Blade	17,8*	17,8*							17,5*	17,5*	
	Outriggers	Outriggers	17,7*	17,7*							17,6*	17,6*	

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 33 without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (± 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. The values apply when the adjusting cylinder is in the optimal position. Indicated loads 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. 11,000 lb). Without the quick coupler, lift capacities will increase by up to 240 lb.

Backhoe bucket

with offset two-piece boom 16'5" (heavy counterweight)



Digging envelope

with quick coupler		1	2	3	4
Stick length	ft in	6' 9"	7' 5"	8'	8' 8"
Max. digging depth	ft in	16'11"	17' 9"	18'4"	19'
Max. reach at ground level	ft in	28' 5"	29'	29'8"	30' 4"
Max. dumping height	ft in	22' 4"	22'10"	23'4"	23' 9"
Max. teeth height	ft in	32' 2"	32' 8"	33'2"	33' 8"
Min. equipment radius	ft in	8' 4"	8' 6"	8'9"	8'11"

1 with stick 6'9"
2 with stick 7'5"
3 with stick 8'
4 with stick 8'8"
with set straight boom

5 with stick 6'9"
6 with stick 7'5"
7 with stick 8'
8 with stick 8'8"
at max. equipment offset with vertical ditch walls

Digging forces

without quick coupler		1	2	3	4
Max. digging force (ISO 6015)	lbf	19,603	18,277	17,153	16,141
	lb	19,600	18,300	17,200	16,100
Max. breakout force (ISO 6015)	lbf	22,346	22,346	22,346	22,346
	lb	22,300	22,300	22,300	22,300

Max. breakout force with ripper bucket 28,259 lbf (28,200 lb)

Operating weight

The operating weight includes the basic machine (heavy counterweight) with 8 tires plus intermediate rings, offset two-piece boom 16'5", stick 8', quick coupler SWA 33 and bucket 3'5" / 1.05 yd³.

Undercarriage versions	Weight (lb)
A 918 Litronic with rear blade	41,200
A 918 Litronic with rear outriggers + front blade	43,400*

* on request

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

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised				Rear blade down				Rear outriggers + front blade down			
			Stick length (ft in)				Stick length (ft in)				Stick length (ft in)			
ft in	yd³	lb	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"
2'9"[2]	0.78	882	■	■	■	■	■	■	■	■	■	■	■	■
3'5"[2]	1.05	1,058	■	■	■	■	■	■	■	■	■	■	■	■
4'1"[2]	1.24	1,168	■	■	△	△	■	■	■	■	■	■	■	■
2'9"[3]	0.78	992	■	■	■	■	■	■	■	■	■	■	■	■
3'5"[3]	1.05	1,190	■	■	■	■	■	■	■	■	■	■	■	■
4'1"[3]	1.24	1,301	■	■	△	△	■	■	■	△	■	■	■	■
2'9"[4]	0.85	838	■	■	■	■	■	■	■	■	■	■	■	■
3'5"[4]	1.11	1,014	■	■	■	■	■	■	■	■	■	■	■	■
4'1"[4]	1.37	1,102	■	△	△	△	■	■	■	△	■	■	■	■

* 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 16'5" (heavy counterweight)

Stick 6'9"

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
	–	–									5,6*	5,6*	
25	Blade	–									5,6*	5,6*	14' 8"
	Outriggers	Blade									5,6*	5,6*	
	–	–			10,8	11,0*					4,9*	4,9*	
20	Blade	–			11,0*	11,0*					4,9*	4,9*	19'11"
	Outriggers	Blade			11,0*	11,0*					4,9*	4,9*	
	–	–	16,2*	16,2*	10,7	13,6*	6,6	10,4			4,7*	4,7*	
15	Blade	–	16,2*	16,2*	11,6	13,6*	7,3	10,8*			4,7*	4,7*	22'10"
	Outriggers	Blade	16,2*	16,2*	13,6*	13,6*	10,7	10,8*			4,7*	4,7*	
	–	–	18,2	25,3*	10,4	15,6	6,5	10,4			4,3	4,8*	
10	Blade	–	20,0	25,3*	11,3	15,8*	7,2	12,1*			4,8*	4,8*	24' 4"
	Outriggers	Blade	25,3*	25,3*	15,8*	15,8*	10,7	12,1*			4,8*	4,8*	
	–	–	17,8	25,7*	10,3	15,4	6,3	10,2			4,0	5,2*	
5	Blade	–	19,6	25,7*	11,1	17,5*	6,9	12,7*			4,5	5,2*	24' 8"
	Outriggers	Blade	25,7*	25,7*	15,7	17,5*	10,4	12,7*			5,2*	5,2*	
	–	–	17,5	28,3*	9,7	15,6	5,8	9,7			4,1	6,0*	
0	Blade	–	19,7	28,3*	10,8	17,8*	6,5	12,9*			4,6	6,0*	24'
	Outriggers	Blade	28,3*	28,3*	15,9	17,8*	10,0	12,9*			6,0*	6,0*	
	–	–	16,5	29,3*	8,9	15,2	5,4	9,3			4,6	7,7*	
– 5	Blade	–	18,7	29,3*	9,9	18,3*	6,1	12,2*			5,1	7,7*	22' 1"
	Outriggers	Blade	29,3*	29,3*	15,6	18,3*	9,6	12,2*			7,7*	7,7*	
	–	–	15,7	28,2*	8,2	14,5					6,0	8,2*	
–10	Blade	–	17,8	28,2*	9,3	15,2*					6,7	8,2*	18' 5"
	Outriggers	Blade	28,2*	28,2*	14,9	15,2*					8,2*	8,2*	
	–	–											
–15	Blade	–											
	Outriggers	Blade											

Stick 7'5"

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
	–	–			6,5*	6,5*					5,1*	5,1*	
25	Blade	–			6,5*	6,5*					5,1*	5,1*	15' 8"
	Outriggers	Blade			6,5*	6,5*					5,1*	5,1*	
	–	–			10,2*	10,2*	6,1*	6,1*			4,4*	4,4*	
20	Blade	–			10,2*	10,2*	6,1*	6,1*			4,4*	4,4*	20' 8"
	Outriggers	Blade			10,2*	10,2*	6,1*	6,1*			4,4*	4,4*	
	–	–	13,5*	13,5*	10,7	13,1*	6,7	10,4*			4,2*	4,2*	
15	Blade	–	13,5*	13,5*	11,6	13,1*	7,3	10,4*			4,2*	4,2*	23' 6"
	Outriggers	Blade	13,5*	13,5*	13,1*	13,1*	10,4*	10,4*			4,2*	4,2*	
	–	–	18,2	24,3*	10,3	15,4*	6,6	10,4			4,1	4,3*	
10	Blade	–	20,0	24,3*	11,2	15,4*	7,3	11,9*			4,3*	4,3*	24'11"
	Outriggers	Blade	24,3*	24,3*	15,4*	15,4*	10,6	11,9*			4,3*	4,3*	
	–	–	17,7	25,5*	10,2	15,3	6,4	10,2	4,0	6,0*	3,8	4,7*	
5	Blade	–	19,5	25,5*	11,1	17,2*	7,0	12,6*	4,5	6,0*	4,3	4,7*	25' 4"
	Outriggers	Blade	25,5*	25,5*	15,6	17,2*	10,5	12,6*	6,0*	6,0*	4,7*	4,7*	
	–	–	17,6	27,9*	9,8	15,5	5,9	9,8			3,9	5,3*	
0	Blade	–	19,8	27,9*	10,8	17,6*	6,6	12,8*			4,4	5,3*	24' 7"
	Outriggers	Blade	27,9*	27,9*	15,8	17,6*	10,1	12,8*			5,3*	5,3*	
	–	–	16,5	29,0*	9,0	15,3	5,4	9,4			4,3	6,7*	
– 5	Blade	–	18,7	29,0*	10,1	18,1*	6,1	12,5*			4,9	6,7*	22'10"
	Outriggers	Blade	29,0*	29,0*	15,7	18,1*	9,6	12,5*			6,7*	6,7*	
	–	–	15,8	29,2*	8,2	14,5					5,5	8,0*	
–10	Blade	–	17,9	29,2*	9,3	16,3*					6,2	8,0*	19' 5"
	Outriggers	Blade	29,2*	29,2*	15,0	16,3*					8,0*	8,0*	
	–	–											
–15	Blade	–											
	Outriggers	Blade											

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 33 without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (± 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. The values apply when the adjusting cylinder is in the optimal position. Indicated loads 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. 11,000 lb). Without the quick coupler, lift capacities will increase by up to 240 lb.

Lift capacities

with offset two-piece boom 16'5" (heavy counterweight)

Stick 8'

ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
	–	–			7,2*	7,2*					4,6*	4,6*	
25	Blade	–			7,2*	7,2*					4,6*	4,6*	16'10"
	Outriggers	Blade			7,2*	7,2*					4,6*	4,6*	
	–	–			9,5*	9,5*	6,6	6,8*			4,0*	4,0*	
20	Blade	–			9,5*	9,5*	6,8*	6,8*			4,0*	4,0*	21' 6"
	Outriggers	Blade			9,5*	9,5*	6,8*	6,8*			4,0*	4,0*	
	–	–			10,7	11,8*	6,8	10,0*			3,8*	3,8*	
15	Blade	–			11,6	11,8*	7,4	10,0*			3,8*	3,8*	24' 2"
	Outriggers	Blade			11,8*	11,8*	10,0*	10,0*			3,8*	3,8*	
	–	–	18,3	23,2*	10,3	15,0*	6,7	10,4	4,1	5,8*	3,9*	3,9*	
10	Blade	–	20,1	23,2*	11,2	15,0*	7,4	11,6*	4,6	5,8*	3,9*	3,9*	25' 7"
	Outriggers	Blade	23,2*	23,2*	15,0*	15,0*	10,6	11,6*	5,8*	5,8*	3,9*	3,9*	
	–	–	17,7	25,3*	10,1	15,3	6,4	10,3	4,0	6,8	3,7	4,2*	
5	Blade	–	19,4	25,3*	11,0	17,0*	7,1	12,4*	4,5	7,5*	4,1	4,2*	25'11"
	Outriggers	Blade	25,3*	25,3*	15,6	17,0*	10,5	12,4*	7,0	7,5*	4,2*	4,2*	
	–	–	17,7	27,4*	9,8	15,4	6,0	9,8	3,8	6,0*	3,7	4,8*	
0	Blade	–	19,6*	27,4*	10,9	17,5*	6,6	12,7*	4,3	6,0*	4,2	4,8*	25' 4"
	Outriggers	Blade	27,4*	27,4*	15,7	17,5*	10,1	12,7*	6,0*	6,0*	4,8*	4,8*	
	–	–	16,5	28,8*	9,1	15,4	5,5	9,4			4,1	5,9*	
– 5	Blade	–	18,7	28,8*	10,2	17,9*	6,1	12,7*			4,6	5,9*	23' 6"
	Outriggers	Blade	28,8*	28,8*	15,8	17,9*	9,6	12,7*			5,9*	5,9*	
	–	–	15,9	29,8*	8,3	14,6	5,2	8,4*			5,1	7,9*	
–10	Blade	–	18,1	29,8*	9,3	17,1*	5,9	8,4*			5,8	7,9*	20' 2"
	Outriggers	Blade	29,8*	29,8*	15,0	17,1*	8,4*	8,4*			7,9*	7,9*	
	–	–											
–15	Blade	–											
	Outriggers	Blade											

Stick 8'8"

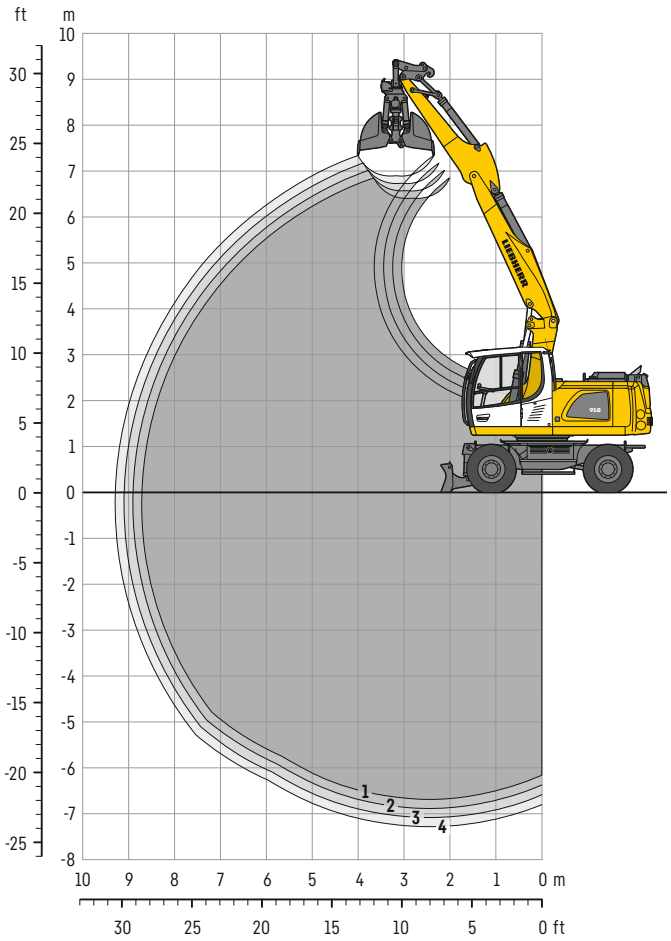
ft	Undercarriage stabilized rear	front	10 ft		15 ft		20 ft		25 ft				ft in
	–	–			7,4*	7,4*					4,2*	4,2*	
25	Blade	–			7,4*	7,4*					4,2*	4,2*	17'10"
	Outriggers	Blade			7,4*	7,4*					4,2*	4,2*	
	–	–			8,9*	8,9*	6,7	7,0*			3,6*	3,6*	
20	Blade	–			8,9*	8,9*	7,0*	7,0*			3,6*	3,6*	22' 2"
	Outriggers	Blade			8,9*	8,9*	7,0*	7,0*			3,6*	3,6*	
	–	–			10,6	10,6*	6,8	9,4*			3,5*	3,5*	
15	Blade	–			10,6*	10,6*	7,5	9,4*			3,5*	3,5*	24'11"
	Outriggers	Blade			10,6*	10,6*	9,4*	9,4*			3,5*	3,5*	
	–	–	18,3	22,1*	10,3	14,5*	6,8	10,3	4,2	6,7*	3,6*	3,6*	
10	Blade	–	20,1	22,1*	11,2	14,5*	7,4	11,4*	4,7	6,7*	3,6*	3,6*	26' 2"
	Outriggers	Blade	22,1*	22,1*	14,5*	14,5*	10,5	11,4*	6,7*	6,7*	3,6*	3,6*	
	–	–	17,6	25,1*	10,1	15,2	6,5	10,2	4,0	6,8	3,5	3,8*	
5	Blade	–	19,4	25,1*	10,9	16,7*	7,2	12,3*	4,5	8,3*	3,8*	3,8*	26' 7"
	Outriggers	Blade	25,1*	25,1*	15,5	16,7*	10,4	12,3*	7,0	8,3*	3,8*	3,8*	
	–	–	17,7	27,0*	9,8	15,2	6,1	9,9	3,8	6,6	3,5	4,3*	
0	Blade	–	19,5	27,0*	10,9	17,4*	6,7	12,6*	4,3	7,8*	4,0	4,3*	25'11"
	Outriggers	Blade	27,0*	27,0*	15,5	17,4*	10,2	12,6*	6,8	7,8*	4,3*	4,3*	
	–	–	16,5	28,5*	9,2	15,5	5,5	9,4			3,8	5,2*	
– 5	Blade	–	18,7	28,5*	10,2	17,7*	6,2	12,8*			4,4	5,2*	24' 2"
	Outriggers	Blade	28,5*	28,5*	15,9	17,7*	9,7	12,8*			5,2*	5,2*	
	–	–	16,1	30,0*	8,3	14,6	5,2	9,1			4,7	7,4*	
–10	Blade	–	18,2	30,0*	9,3	17,7*	5,8	9,6*			5,4	7,4*	21' 1"
	Outriggers	Blade	30,0*	30,0*	15,0	17,7*	9,3	9,6*			7,4*	7,4*	
	–	–	15,2	17,8*							15,0	17,5*	
–15	Blade	–	17,4	17,8*							17,1	17,5*	10' 1"
	Outriggers	Blade	17,8*	17,8*							17,5*	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 33 without attachment are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (± 15°) are specified over the steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. The values apply when the adjusting cylinder is in the optimal position. Indicated loads 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. 11,000 lb). Without the quick coupler, lift capacities will increase by up to 240 lb.

Clamshell grab

with two-piece boom 17'3"



Digging envelope

with quick coupler		1	2	3	4
Stick length	ft in	6'9"	7'5"	8'	8' 8"
Max. digging depth	ft in	22'	22'8"	23' 4"	23'11"
Max. reach at ground level	ft in	28'7"	29'2"	29'10"	30' 6"
Max. dumping height	ft in	21'	21'8"	22' 2"	22' 8"

Operating weight

The operating weight includes the basic machine with 8 tires plus intermediate rings, two-piece boom 17'3", stick 8', quick coupler SWA 33 and clamshell grab GMZ 24 / 0.59 yd³ (2'7" without ejector).

Undercarriage versions	Weight (lb)
A 918 Litronic with rear blade	40,100
A 918 Litronic with rear outriggers + front blade	42,100
A 918 Litronic with rear + front outriggers	42,500
A 918 EW Litronic with rear blade	40,300
A 918 EW Litronic with rear outriggers + front blade	42,300

Clamshell grabs GMZ 24 Machine stability per ISO 10567* (75 % of tipping capacity)

Width of clamshells	Capacity	Weight	Stabilizers raised				Rear blade down				Rear outriggers + front blade down				Rear + front outriggers down				EW Stabilizers raised				EW Rear blade down				EW Rear outriggers + front blade 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)			
ft in	yd³	lb	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"
1'1" [1]	0.21	1,896	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1'4" [1]	0.29	1,984	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2' [1]	0.44	2,161	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2'7" [1]	0.60	2,315	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
3'3" [1]	0.78	2,469	■	■	△	△	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1'1" [2]	0.21	2,006	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1'4" [2]	0.29	2,094	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2' [2]	0.44	2,293	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2'7" [2]	0.60	2,469	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
3'3" [2]	0.78	2,646	■	■	△	△	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

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

[1] without ejector

[2] with ejector

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

Equipments

Clamshell grabs

Clamshell grabs GMZ 24 Machine stability per ISO 10567* (75 % of tipping capacity)

Width of clamshells	Capacity	Weight	Stabilizers raised				Rear blade down				Rear outriggers + front blade down				Rear + front outriggers down				EW Stabilizers raised				EW Rear blade down				EW Rear outriggers + front blade 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)			
ft in	yd³	lb	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"
Two-piece boom 17'3" (heavy counterweight)																														
1'1" [1]	0.21	1,896	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	■	■	■	■	■	■	■	■	■	■	■	■
1'4" [1]	0.29	1,984	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	■	■	■	■	■	■	■	■	■	■	■	■
2' [1]	0.44	2,161	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	■	■	■	■	■	■	■	■	■	■	■	■
2'7" [1]	0.60	2,315	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	■	■	■	■	■	■	■	■	■	■	■	■
3'3" [1]	0.78	2,469	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	■	■	■	■	■	■	■	■	■	■	■	■
1'1" [2]	0.21	2,006	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	■	■	■	■	■	■	■	■	■	■	■	■
1'4" [2]	0.29	2,094	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	■	■	■	■	■	■	■	■	■	■	■	■
2' [2]	0.44	2,293	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	■	■	■	■	■	■	■	■	■	■	■	■
2'7" [2]	0.60	2,469	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	■	■	■	■	■	■	■	■	■	■	■	■
3'3" [2]	0.78	2,646	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	■	■	■	■	■	■	■	■	■	■	■	■
Mono boom 17'5"																														
1'1" [1]	0.21	1,896	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
1'4" [1]	0.29	1,984	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
2' [1]	0.44	2,161	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
2'7" [1]	0.60	2,315	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
3'3" [1]	0.78	2,469	■	■	△	△	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
1'1" [2]	0.21	2,006	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
1'4" [2]	0.29	2,094	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
2' [2]	0.44	2,293	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
2'7" [2]	0.60	2,469	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
3'3" [2]	0.78	2,646	■	△	△	△	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
Offset two-piece boom 16'5"																														
1'1" [1]	0.21	1,896	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
1'4" [1]	0.29	1,984	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
2' [1]	0.44	2,161	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
2'7" [1]	0.60	2,315	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
3'3" [1]	0.78	2,469	■	△	△	-	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
1'1" [2]	0.21	2,006	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
1'4" [2]	0.29	2,094	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
2' [2]	0.44	2,293	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
2'7" [2]	0.60	2,469	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
3'3" [2]	0.78	2,646	△	△	△	-	■	■	■	△	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
Offset two-piece boom 16'5" (heavy counterweight)																														
1'1" [1]	0.21	1,896	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1'4" [1]	0.29	1,984	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
2' [1]	0.44	2,161	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
2'7" [1]	0.60	2,315	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3'3" [1]	0.78	2,469	■	■	■	△	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1'1" [2]	0.21	2,006	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1'4" [2]	0.29	2,094	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
2' [2]	0.44	2,293	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
2'7" [2]	0.60	2,469	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3'3" [2]	0.78	2,646	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

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

[1] without ejector

[2] with ejector

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

Equipments

Ditch cleaning buckets

Ditch cleaning buckets Machine stability per ISO 10567* (75 % of tipping capacity)

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised				Rear blade down				Rear outriggers + front blade down				Rear + front outriggers down				EW Stabilizers raised				EW Rear blade down				EW Rear outriggers + front blade 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)			
ft in	yd³	lb	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"
Two-piece boom 17'3"																														
5' 3"[2]	0.72	1,433	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
5' 3"[2]	1.05	1,720	■	■	△	△	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
6' 7"[2]	0.65	1,477	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
6' 7"[2]	0.92	1,742	■	■	■	△	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
7' 3"[2]	1.05	1,753	■	■	△	△	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
4'11"[3]	0.65	794	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
6' 7"[3]	0.63	772	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
6' 7"[3]	0.85	860	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Two-piece boom 17'3" (heavy counterweight)																														
5' 3"[2]	0.72	1,433	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	■	■	■	■	■	■	■	■	■	■	■	■
5' 3"[2]	1.05	1,720	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	■	■	■	■	■	■	■	■	■	■	■	■
6' 7"[2]	0.65	1,477	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	■	■	■	■	■	■	■	■	■	■	■	■
6' 7"[2]	0.92	1,742	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	■	■	■	■	■	■	■	■	■	■	■	■
7' 3"[2]	1.05	1,753	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	■	■	■	■	■	■	■	■	■	■	■	■
4'11"[3]	0.65	794	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	■	■	■	■	■	■	■	■	■	■	■	■
6' 7"[3]	0.63	772	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	■	■	■	■	■	■	■	■	■	■	■	■
6' 7"[3]	0.85	860	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	■	■	■	■	■	■	■	■	■	■	■	■
Mono boom 17'5"																														
5' 3"[2]	0.72	1,433	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
5' 3"[2]	1.05	1,720	■	■	△	△	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
6' 7"[2]	0.65	1,477	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
6' 7"[2]	0.92	1,742	■	■	■	△	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
7' 3"[2]	1.05	1,753	■	△	△	△	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
4'11"[3]	0.65	794	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
6' 7"[3]	0.63	772	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
6' 7"[3]	0.85	860	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
Offset two-piece boom 16'5"																														
5' 3"[2]	0.72	1,433	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
5' 3"[2]	1.05	1,720	■	△	△	△	■	■	■	△	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
6' 7"[2]	0.65	1,477	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
6' 7"[2]	0.92	1,742	■	■	△	△	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
7' 3"[2]	1.05	1,753	△	△	△	-	■	■	■	△	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
4'11"[3]	0.65	794	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
6' 7"[3]	0.63	772	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
6' 7"[3]	0.85	860	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–
Offset two-piece boom 16'5" (heavy counterweight)																														
5' 3"[2]	0.72	1,433	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
5' 3"[2]	1.05	1,720	■	■	■	△	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
6' 7"[2]	0.65	1,477	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
6' 7"[2]	0.92	1,742	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
7' 3"[2]	1.05	1,753	■	■	■	△	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4'11"[3]	0.65	794	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
6' 7"[3]	0.63	772	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
6' 7"[3]	0.85	860	■	■	■	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

* 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

Equipments

Tilt buckets / Clamshell grabs

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

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised				Rear blade down				Rear outriggers + front blade down				Rear + front outriggers down				EW Stabilizers raised				EW Rear blade down				EW Rear outriggers + front blade 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)			
ft in	yd³	lb	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"
Two-piece boom 17'3"																														
4'11"[2]	0.78	1,455	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
5' 3"[2]	1.05	1,631	■	■	△	△	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
5' 3"[2]	1.31	1,742	△	△	-	-	■	△	△	△	■	■	■	■	■	■	■	■	■	△	△	△	■	■	■	■	■	■	■	■
Two-piece boom 17'3" (heavy counterweight)																														
4'11"[2]	0.78	1,455	■	■	■	■	■	■	■	■	■	■	■	■	-	-	-	-	■	■	■	■	■	■	■	■	■	■	■	■
5' 3"[2]	1.05	1,631	■	■	■	■	■	■	■	■	■	■	■	■	-	-	-	-	■	■	■	■	■	■	■	■	■	■	■	■
5' 3"[2]	1.31	1,742	△	△	△	△	■	■	■	■	■	■	■	■	-	-	-	-	■	■	■	■	■	■	■	■	■	■	■	■
Mono boom 17'5"																														
4'11"[2]	0.78	1,455	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	-	-	-	-	-	-	-	-	-	-	-	-
5' 3"[2]	1.05	1,631	■	■	△	△	■	■	■	■	■	■	■	■	■	■	■	■	-	-	-	-	-	-	-	-	-	-	-	-
5' 3"[2]	1.31	1,742	△	-	-	-	△	△	△	△	■	■	■	■	■	■	■	■	-	-	-	-	-	-	-	-	-	-	-	-
Offset two-piece boom 16'5"																														
4'11"[2]	0.78	1,455	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	-	-	-	-	-	-	-	-	-	-	-	-
5' 3"[2]	1.05	1,631	■	△	△	△	■	■	■	■	■	■	■	■	■	■	■	■	-	-	-	-	-	-	-	-	-	-	-	-
5' 3"[2]	1.31	1,742	△	-	-	-	△	△	△	-	■	■	■	△	■	■	■	△	-	-	-	-	-	-	-	-	-	-	-	-
Offset two-piece boom 16'5" (heavy counterweight)																														
4'11"[2]	0.78	1,455	■	■	■	■	■	■	■	■	■	■	■	■	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5' 3"[2]	1.05	1,631	■	■	■	△	■	■	■	■	■	■	■	■	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5' 3"[2]	1.31	1,742	△	△	△	-	■	■	△	△	■	■	■	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* 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

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

Clamshell grabs GMZ 22 Machine stability per ISO 10567* (75 % of tipping capacity)

Width of clamshells	Capacity	Weight	Stabilizers raised				Rear blade down				Rear outriggers + front blade down				Rear + front outriggers down				EW Stabilizers raised				EW Rear blade down				EW Rear outriggers + front blade 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)			
ft in	yd³	lb	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"	6'9"	7'5"	8'	8'8"
Two-piece boom 17'3"																														
1' [1]	0.18	1,786	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1'4"[1]	0.26	1,852	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2' [1]	0.39	2,072	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2'7"[1]	0.55	2,249	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
3'3"[1]	0.71	2,403	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1' [2]	0.18	1,896	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1'4"[2]	0.26	1,962	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2' [2]	0.39	2,205	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2'7"[2]	0.55	2,381	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
3'3"[2]	0.71	2,557	■	■	■	△	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

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

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

Equipment

Undercarriage

Dual-circuit braking system	●
Rear stabilizer blade	+
Rear stabilizer blade + front outriggers[1)]	+
Trailer coupling with bolt, automatic	+
Digging brake, automatic	●
Tires (twin tires) Liebherr EM 22 290/90-20	+
Individual control outriggers	+
Travel speed levels (four)	●
Hydraulic connection for tipping the trailer	+
Mudguards (rear and front)	+
Load holding valve on each stabilization cylinder	●
Powershift transmission, semiautomatic	●
Parking brake, maintenance-free	●
Rear outriggers + front stabilizer blade[1)]	+
Rear + front outriggers[2)]	+
Tires, variants	+
Protection for piston rods, stabilizer cylinder	+
Speeder**	+
Storage compartment left	●
Storage compartment right	+
Power socket for lighting extension coupling, 24 V (rear)	+
Undercarriage EW 9'	+
Tool equipment, extended	+

Uppercarriage

Uppercarriage rear light, 2 pieces, LED	+
Uppercarriage right side light, 1 piece, LED	+
Heavy counterweight	+
Standard counterweight	●
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 equipment 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 (Stage V)	●
Liebherr particle filter (Tier 4 Final)	+
Reversible fan drive, fully automatic	+
Air pre-filter with dust discharge	+
Automatic engine shut-down (time adjustable)	+
Preheating fuel	+
Preheating coolant*	+
Preheating engine oil*	+

Cab

Storage compartment	●
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 left or right joystick	+
Driver's code to start the machine, individual	+
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	●
Lightbar on cab	+
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 cab, LED double flash	+
Tinted windows	●
Windscreen wiper, roof	+
Windshield wiper, entire windshield	●
Door with sliding window	●
FOPS top guard	+
FGPS 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	●
SuperFinish	+
Electronic immobilizer	+
Cigarette lighter	●

Equipment

Equipment

Boom lights, 2 pieces, halogen	●
Boom lights, 2 pieces, LED	+
Stick lights, 2 pieces, LED	+
Travel vibration damper	+
High pressure circuit incl. unpressurized return line and Tool Control	+
Electronic lift limitation	+
Security for hoist cylinder for hydraulic attachments	+
Load holding valve tipping cylinder	+
Load holding valve tipping cylinder, both sides	+
Load lug on stick	+
Leak oil line, additional for attachments	+
Liebherr ditch cleaning bucket	+
Liebherr quick coupler, hydraulic or mechanical	+
Liebherr tilt bucket	+
Liebherr tiltrotator	+
Liebherr sorting grab	+
Liebherr backhoe bucket	+
Liebherr-Tilt-Unit (LiTiU)	+
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	●
Hose protection for Solidlink	+
Quick coupling system Solidlink	+
Protection for piston rod, tipping cylinder	+
Protection for bottom side of stick	+
Tool Control, 20 attachment adjustments selectable over the display	+
Overload warning device	●
Two-piece boom	+
Offset two-piece boom	+

Complete machine

Machine guidance system	
Machine guidance 2D iCON IXE2 passive Leica designed for Liebherr	+
Machine guidance 3D iCON IXE3 passive Leica designed for Liebherr	+
Preparation	+
Lubrication	
Lubrication undercarriage, manually – decentralized (grease points)	●
Lubrication undercarriage, manually – centralized (one grease point)	+
Central lubrication system for uppercarriage and equipment, automatically (without quick coupler and connecting link)*	●
Centralized lubrication extended for quick coupler	+
Centralized lubrication extended for connecting link	+
Special coating	
Custom painting for attachments	+
Special coating, variants	+
Monitoring	
Rear view monitoring with camera	●
Side view monitoring with camera	●
Skyview 360° (side camera not available)	+

● = Standard, + = Option

* = country-dependent, ** = depending upon the country partially only 15.5 mph permitted

[1] only available with "heavy counterweight" upon request, [2] not available with "heavy counterweight"

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

⚠ WARNING

Breathing diesel engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
- Always start and operate the engine in a well-ventilated area.
- If in an enclosed area, vent the exhaust to the outside.
- Do not modify or tamper with exhaust system.
- Do not idle the engine except as necessary.

For more information go to www.P65warnings.ca.gov/diesel.

⚠ WARNING

This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm.
For more information go to www.P65warnings.ca.gov.

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