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# A 914 Compact Litronic

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## LIEBHERR

Wheeled excavator



**Generation**  
6

**Engine**  
105 kW / 143 HP  
Stage V  
Tier 4 Final

**Operating weight**  
15,200–17,500 kg

**Bucket capacity**  
0.17–0.87 m<sup>3</sup>

## Performance

Compact, flexible – perfect combination for maximum performance

## Economy

A sound investment – optimum economy and environmentally friendly

## Reliability

Competence, consistency, innovation – proven experience

## Comfort

Ergonomic excellence – superior cabin design for operator comfort and wellbeing

## Maintainability

Service every step of the way – simple, fast and reliable





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# Performance

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## Compact, flexible – perfect combination for maximum performance

Liebherr compact wheeled excavators are used on building sites all over the world, where they embody force and speed combined with compact dimensions. Using them, machine operators achieve impressive levels of performance, day in and day out. Whether on inner city building sites, in roadway construction, classic earthmoving or for digging trenches and laying pipes, more can be achieved faster with Liebherr compact wheeled excavators.

## Maximum performance

### Flexibility

High digging forces despite a tight tail swing permit flexible usage on every construction site. Hard surfaces can be processed quickly and precisely, thus also ensuring maximum productivity.

### Being faster

The A 914 Compact Litronic enables a high working speed, even when movements of the equipment are performed in parallel. Excavating, backfilling and profiling tasks can be completed faster, new tasks can be started sooner. The speed of the machine can be adjusted easily using the MODE switch for load lifting work or grading work.

### Joystick steering

With the optional joystick steering, the driver can steer the wheeled excavator proportionally using the mini joystick. In this way, working and driving movements can be performed at the same time without having to change controls. More efficient operation for even greater productivity.

## Precise work

### Working with precision

The standard joysticks with proportional controls and also the extraordinary sensitivity of the hydraulic system enable precision work at high speeds and parallel movements. This means the machine operator can carry out the most challenging tasks in a short time, not only at reduced speed but also with maximum performance output from the machine.

### Automatic digging brake

The digging brake means that manual actuation of the brake pedal is no longer necessary in some applications. Particularly in applications with a frequent transfer of the excavator, this leads to quicker work processes and thus increases safety for people and the machine.



### Joystick with proportional control

- Good functionality with streamlined, ergonomic design
- 4-way mini-joystick enables versatile possibilities of control without having to encompass, for example steering, outriggers or attachments
- Two buttons and a rocker switch also increase the number of functions



### Digging force

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



### Liebherr tyres

- Twin tyres without intermediate ring with offset lugs
- Increased stability during work and less vibration when driving thanks to higher tyre inflation pressure
- Better self-cleaning properties – even after a few metres – prevents soiling of the track surface
- Larger contact area for less ground pressure and higher traction on soft ground

# Economy

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## A sound investment – optimum economy and environmentally friendly

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

# Maximum efficiency

## Fuel efficiency and exhaust emissions treatment

The robust D924 diesel engine complies with the stringent emissions regulations of stages V and Tier 4 Final and protects the environment as well as its resources through its low fuel consumption and reduced emissions. Liebherr uses SCR-only technology to reduce emissions to ensure compliance with Stage Tier 4 final. 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.

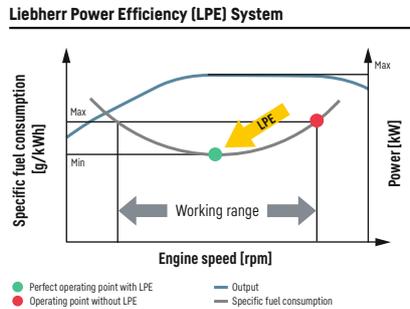
# Increased productivity

## Liebherr attachments and Solidlink

To boost the productivity of its construction machines, Liebherr offers a broad range of working tools 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 safe changing of mechanical and hydraulic working tools from the operator's cabin. 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 on a web browser. LiDAT provides you comprehensive work deployment documentation, greater availability thanks to shorter downtimes, faster support from the manufacturer, quicker detection of strain / overload and subsequently a longer service life of the machine as well as greater planning efficiency.



## Travel drive

- High tractive force for fast acceleration on level ground and high end speed on gradients
- Reduces unproductive travel time between tasks and on the building site
- Faster on site - more productive

## Low fuel consumption thanks to intelligent machine control

- Liebherr-Power Efficiency (LPE) optimises the interaction of the drive components in terms of efficiency
- LPE enables machine operation in the area of the lowest specific fuel use for 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 utilisation increased to up to 90% thanks to extended deployment options
- Visual and acoustic check of correct locking position of attachment at quick coupling system by two proximity sensors

# Reliability

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## Competence, consistency, innovation – proven experience

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

## High machine availability

### Quality and competence

Our experience, understanding of customer needs and the technical implementation of these findings guarantee the success of the product. For decades, Liebherr has been inspirational with its extensive production and system solutions. Key components such as the electronic components, slew ring, slew drive and hydraulic cylinders are developed and produced by Liebherr itself. The great depth of in-house manufacturing guarantees maximum quality and ensures that components are optimally configured to each other.

### Driving oscillation damper

The driving oscillation damper massively reduces vibrations in the whole machine that can occur when driving a wheeled excavator. This is mainly advantageous during longer journeys, not only onroad but also offroad. The driving oscillation dampers comprise pressure accumulators that act as "shock absorbers" on the lift cylinders to ensure that vibrations from the equipment are not transferred to the uppercarriage. The damping function reduces the mechanical load on the steel structure, which in turn results in a longer service life of the components. The smoother driving response gives the driver a faster, more comfortable and thereby more efficient driving experience.

## More safety

### Bright, longlife lighting

Various headlights provide optimal lighting in the working area, thus ensuring a better view and more safety for people and the machine. The standard LED rear lights not only look great, they also have high luminosity and an extremely long life.

### Pipe fracture safety valves

The standard pipe fracture safety valves on the stick and hoist cylinders prevent the equipment from dropping in an unregulated way and ensure maximum safety during every operation.

### Electronic height limit

For applications with protruding or overhanging components in the working area, the compact wheeled excavators can be optionally equipped with an electronic height limit. 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.



### 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



### Less is more

- Extended range of possible applications due to a short tail swing radius of only 1.75 m
- More safety for man and machine
- Liebherr compact wheeled excavators: short and safe



### Improved rear and side visibility

- The standard camera for rear-view and lateral monitoring gives the driver an optimal view of his working area and the surrounding machine area at all times
- Extensive glazing in combination with two standard monitoring cameras ensure safe handling of the machine at all times

# Comfort

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## Ergonomic excellence – superior cabin design for operator comfort and wellbeing

The modern Liebherr operator's cab is the largest in this machine class, and offers the best conditions for healthy, focussed and productive working. Standard features include an air-sprung operator seat with seat heating, automatic air conditioning and the ergonomically arranged control elements with touch-screen indicating unit. An example of the extensive safety equipment is the roll-over protection system (ROPS) for the cab fitted as standard according to ISO 12117-2.

## First-class cab

### Automatic air conditioning

The automatic air conditioning offers convincingly intuitive operation. Temperature, blower setting and the various air nozzles in the head, chest and foot areas are set using the touchscreen on the indicating unit. The defrost / defog one-button function clears fogged up windows in the shortest possible time. The filter for the cab air can be changed easily and conveniently from the outside.

### Operator seats

The Standard, Comfort and Premium operator seat versions offer sitting comfort at the highest level. Even the standard operator seat offers an extensive range of features such as air suspension, seat heating, headrest, lumbar support and many more.

### Low noise levels

The use of viscoelastic mounts, good insulation and low-noise diesel engines from Liebherr minimises noise emissions and vibrations.

## Comfortable operation

### 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.

### 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.

### Pleasant climate

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



### Refuelling

- Using the optional refuelling pump, the machine can be refuelled directly from a fuel container
- The tank hose integrated in the service door and the automatic shut-off when the tank is full offer greater convenience and short filling times
- Topping up – simple, quick and safe



### Maximum safety

- More convenient and safer entry and exit in and out of the cab thanks to added width from the folding arm console
- Three entry steps with standard anti-slip galvanised plates provide a boost to safety



### Intuitive operation

- Display of the machine data and camera image on the 9-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
- Rear and side area monitoring provide optimum visibility of the working area at all times

# Maintainability

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## Service every step of the way – simple, fast and reliable

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

## Elaborate maintenance concept

### Service-based machine design

The service-based machine design guarantees short servicing times, thus minimising 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 reducing fuel consumption by up to 5%.

## Your competent service partner

### Remanufacturing

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

### Competent advice and service

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



### Lubricating during work

- Fully automatic central lubrication system for the equipment and swing ring
- Can be optionally expanded to the connecting link and quick coupler
- Lubricating without interrupting work for higher productivity



### Excellent service access

- Large, wide-opening service doors
- Engine oil, fuel, air and cab air filters are easily and safely accessible from the ground
- The oil level in the hydraulic tank can be checked from the cab
- Short service times for more 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 914 Compact Litronic overview

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### Ergonomic operator's workstation for maximum comfort

- Operator's seat Comfort or Premium \*
- Automatic air-conditioning system \*
- 9" high resolution colour display with touchscreen operation
- Resonant arm console and ergonomic joysticks
- Folding arm console, left
- Proportional control with 4-way mini-joystick
- Joystick steering \*
- Large windows
- Protective grille at top and bottom, adjustable \*
- Convenient radio operation with hands-free device
- Tool Control for attachments
- LED headlights \*
- Rear and side monitor

### 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
- Driving oscillation damper \*
- Liebherr quick coupling systems \*
- Wide selection of Liebherr attachments \*



\* Optional



## Superior technology for highest economy

- Diesel engine with up to date emissions stages V and Tier 4 Final
- Emissions treatment with Liebherr-SCRT technology (Stage V) / Liebherr-SCR technology (Tier 4 Final)
- Liebherr-Power-Efficiency (LPE)
- Load-sensing-control
- MODE selection (Sensitive, ECO, Power)
- Sensor-controlled automatic idling system

## Elaborate 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
- Cab air filter can be replaced quickly and conveniently from outside

## Perfect combination for highest possible performance

- Short tail swing radius
- Various support versions, welded on
- Travel drive integrated in undercarriage
- Automatic working brake
- Liebherr tyres without intermediate ring

# Technical data



## Diesel engine

<b>Rating per ISO 9249</b>	105 kW (143 HP) at 1,800 RPM
<b>Model</b>	D924 - FPT motor designed for Liebherr
<b>Type</b>	4 cylinder in-line
<b>Bore / Stroke</b>	104 / 132 mm
<b>Displacement</b>	4.5 l
<b>Engine operation</b>	4-stroke diesel Common-Rail Turbo-charged and after-cooled Reduced emissions
<b>Air cleaner</b>	Dry-type air cleaner with pre-cleaner, primary and safety elements
<b>Engine idling</b>	Sensor controlled
<b>Electrical system</b>	
<b>Voltage</b>	24 V
<b>Batteries</b>	2 x 135 Ah / 12 V
<b>Alternator</b>	Three-phase current 28 V / 140 A
<b>Stage V</b>	
<b>Harmful emissions values</b>	According to regulation (EU) 2016/1628
<b>Emission control</b>	Liebherr-SCRT technology
<b>Fuel tank</b>	250 l
<b>Urea tank</b>	46 l
<b>Tier 4 Final</b>	
<b>Harmful emissions values</b>	In accordance with 40CFR1039 (EPA) / 13CCR (CARB)
<b>Emission control</b>	Liebherr-SCR technology
<b>Fuel tank</b>	250 l
<b>Urea tank</b>	46 l



## Cooling system

<b>Diesel engine</b>	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
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## Hydraulic controls

<b>Power distribution</b>	Via control valves with integrated safety valves, simultaneous and independent actuation of chassis, swing drive and equipment
<b>Servo circuit</b>	
<b>Equipment and swing</b>	With hydraulic pilot control and proportional joystick levers
<b>Chassis</b>	Electro-proportional via foot pedal
<b>Additional functions</b>	Via switch or electro-proportional foot pedals
<b>Proportional control</b>	Proportionally acting transmitters on the joysticks for additional hydraulic functions



## Hydraulic system

<b>Hydraulic pump</b>	Liebherr axial piston variable displacement pump
<b>For equipment and travel drive</b>	
<b>Max. flow</b>	250 l/min.
<b>Max. pressure</b>	350 bar
<b>Hydraulic pump regulation and control</b>	Liebherr-Synchron-Comfort-system (LSC) with electronic engine speed sensing regulation, pressure and flow compensation, torque controlled swing drive priority
<b>Hydraulic tank</b>	130 l
<b>Hydraulic system</b>	max. 300 l
<b>Filtration</b>	1 main return filter with integrated partial micro filtration (5 µm)
<b>MODE selection</b>	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
<b>S (Sensitive)</b>	Mode for precision work and lifting through very sensitive movements
<b>E (Eco)</b>	Mode for especially economical and environmentally friendly operation
<b>P (Power)</b>	Mode for high performance with low fuel consumption
<b>P+ (Power-Plus)</b>	Mode for highest performance and for very heavy duty applications, suitable for continuous operation
<b>Engine speed and performance setting</b>	Stepless alignment of engine output and hydraulic power via engine speed
<b>Option</b>	Tool Control: 20 pre-adjustable pump flows and pressures for add-on attachments



## Swing drive

<b>Drive</b>	Liebherr axial piston motor with integrated brake valve and torque control, Liebherr planetary reduction gear
<b>Swing ring</b>	Liebherr, sealed race ball bearing swing ring, internal teeth
<b>Swing speed</b>	0-10.0 RPM stepless
<b>Swing torque</b>	54 kNm
<b>Holding brake</b>	Wet multi-disc (spring applied, pressure released)
<b>Option</b>	Pedal controlled positioning swing brake Slewing gear brake Comfort



## Cab

<b>Cab</b>	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
<b>Operator's seat Standard</b>	Air cushioned operator's seat with 3D-adjustable arm-rests, headrest, lap belt, seat heater, manual weight adjustment, adjustable seat cushion inclination and length and mechanical lumbar vertebrae support
<b>Operator's seat Comfort (Option)</b>	In addition to operator's seat standard: lockable horizontal suspension, automatic weight adjustment, adjustable suspension stiffness, pneumatic lumbar vertebrae support and passive seat climatisation with active coal
<b>Operator's seat Premium (Option)</b>	In addition to operator's seat comfort: active electronic weight adjustment (automatic readjustment), pneumatic low frequency suspension and active seat climatisation with active coal and ventilator
<b>Arm consoles</b>	Joysticks with control consoles and swivel seat, folding left control console
<b>Operation and displays</b>	Large high-resolution operating unit, self-explanatory, colour display with touchscreen, video-compatible, numerous setting, control and monitoring options, e.g. air conditioning control, fuel consumption, machine and attachment parameters
<b>Air-conditioning</b>	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)
Refrigerant	R134a
Global warming potential	1,430
Quantity at 25 °C	1,300g
CO <sub>2</sub> equivalent	1.859t
<b>Vibration emission*</b>	
Hand / arm vibrations	< 2.5 m/s <sup>2</sup>
Whole-body vibrations	< 0.5 m/s <sup>2</sup>
Measuring inaccuracy	According with standard EN 12096:1997

## Undercarriage

<b>Drive</b>	Oversized two speed power shift transmission with additional creeper speed, Liebherr axial piston motor with functional brake valve on both sides
<b>Pulling force</b>	95 kN
<b>Travel speed</b>	0- 3.5 km/h stepless (creeper speed off-road) 0- 7.0 km/h stepless (off-road) 0-13.0 km/h stepless (creeper speed on-road) 0-20.0 km/h stepless (road travel) 0-max. 30.0 or 37.0 km/h Speeder (option)
<b>Driving operation</b>	Automotive driving using accelerator pedal, cruise control function: storage of variable accelerator pedal positions, both off-road and on-road
<b>Axles</b>	Manual or automatic hydraulically controlled front axle oscillation lock
<b>Service brake</b>	Two circuit travel brake system with accumulator; wet and backlash-free disc brake
<b>Automatic digging brake</b>	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
<b>Holding brake</b>	Wet multi-disc (spring applied, pressure released)
<b>Stabilization</b>	Rear stabilizer blade (adjustable during travel for dozing) Rear + front stabilizer blade Rear outriggers + front stabilizer blade
<b>Option</b>	EW undercarriage 2.75 m / 9'



## Equipment

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

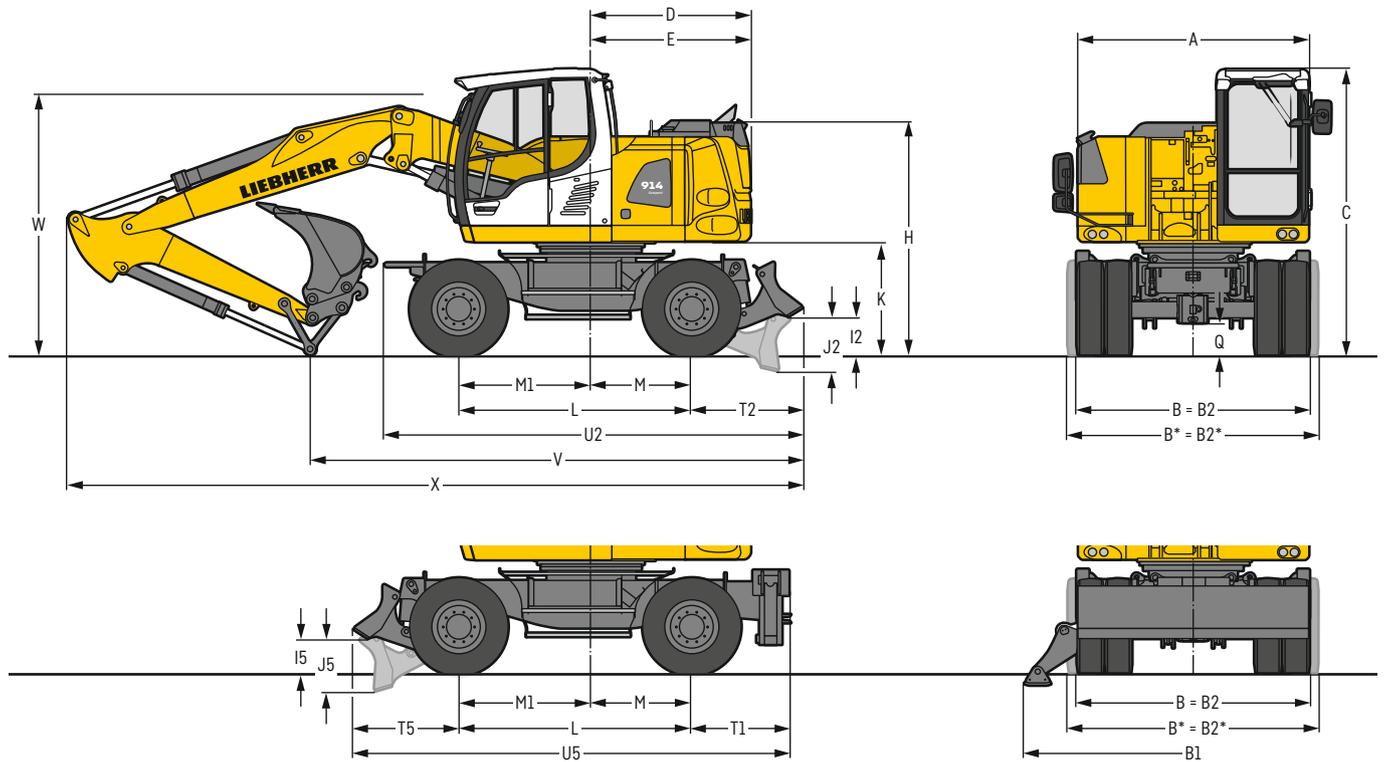


## Complete machine

<b>Lubrication</b>	Liebherr central lubrication system for uppercarriage and equipment, automatically
<b>Noise emission</b>	
ISO 6396	71 dB(A) = L <sub>PA</sub> (inside cab)
2000/14/EC	100 dB(A) = L <sub>WA</sub> (surround noise)

\* for risk assessment according to 2002/44/EC see ISO/TR 25398:2006

# Dimensions



	mm
A	2,525
B	2,550
B*	2,750
B1	3,695
B2	2,550
B2*	2,750
C	3,165
D	1,750
E	1,750
H	2,590
I2	425
I5	380
J2	605
J5	585
K	1,230
L	2,540
M	1,100
M1	1,440
Q	350
T1	1,047
T2	1,230
T5	1,153
U2	4,575
U5	4,740

\* EW undercarriage  
E = Tail radius  
Tyres 10.00-20

	Stick m	Two-piece boom 4.85 m		Mono boom 4.60 m	
		Rear blade mm	Rear outriggers + front blade mm	Rear blade mm	Rear outriggers + front blade mm
V	2.05	5,750	5,600	5,250	5,550*
	2.25	5,500	5,350	4,850*	5,200*
	2.45	5,050	5,300*	5,250*	5,600*
W	2.05	2,950	2,950	3,000	3,000*
	2.25	2,950	2,950	2,900*	2,900*
	2.45	2,800	2,800*	3,250*	3,250*
X	2.05	8,100	7,900	7,800	8,050*
	2.25	8,050	7,900	7,700*	8,050*
	2.45	8,050	8,350*	7,750*	8,100*

	Stick m	Offset two-piece boom 4.90 m		Offset mono boom 4.30 m	
		Rear blade mm	Rear outriggers + front blade mm	Rear blade mm	Rear outriggers + front blade mm
V	2.05	6,250	6,100	5,650	5,900*
	2.25	5,750	5,600	5,300*	5,650*
	2.45	5,400	5,700*	5,600 <sup>1)2)</sup>	5,850* <sup>1)2)</sup>
W	2.05	3,200	3,200	3,300	3,300*
	2.25	3,150	3,150	3,300*	3,300*
	2.45	3,100	3,100*	3,150 <sup>1)</sup>	3,150* <sup>1)</sup>
X	2.05	8,100	7,950	7,550	7,800*
	2.25	8,100	7,950	7,400*	7,750*
	2.45	8,150	8,400*	7,550 <sup>1)</sup>	7,850* <sup>1)</sup>

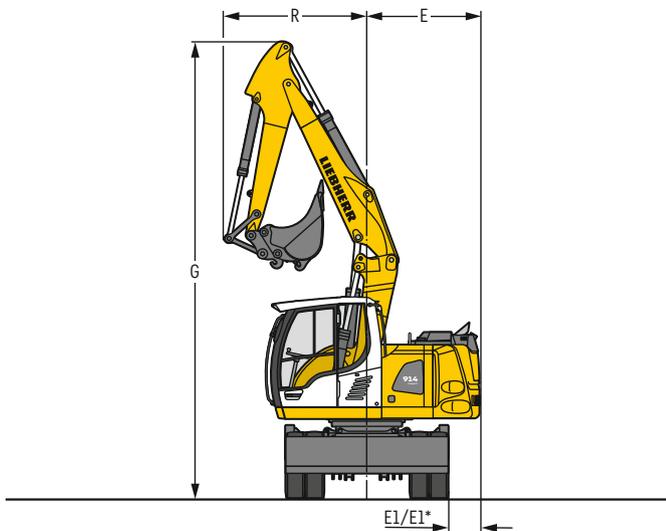
Dimensions are with equipment over steering axle

\* Equipment over digging axle for shorter transport dimensions

<sup>1)</sup> without backhoe bucket

<sup>2)</sup> tipping cylinder retracted

W = Max. ground clearance including approx. 150mm piping

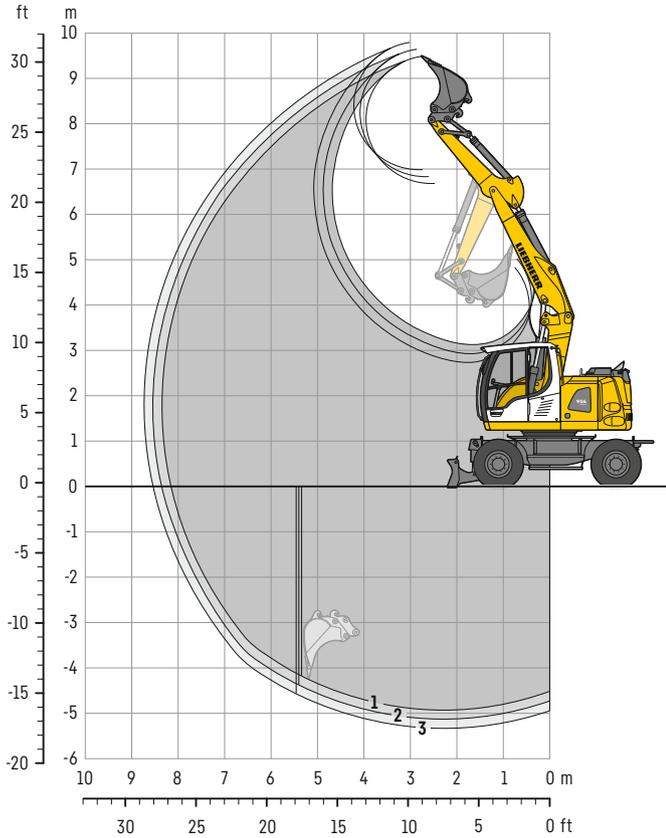


Boom	Stick m	G mm	R mm	E mm	E1 mm
Two-piece boom	2.05	7,190	2,120	1,750	480 / 395*
Two-piece boom	2.25	7,190	2,165	1,750	480 / 395*
Two-piece boom	2.45	7,200	2,215	1,750	480 / 395*

\* EW undercarriage

# Backhoe bucket

with two-piece boom 4.85 m



## Digging envelope

with quick coupler		1	2	3
Stick length	m	2.05	2.25	2.45
Max. digging depth	m	4.95	5.15	5.35
Max. reach at ground level	m	8.15	8.35	8.55
Max. dumping height	m	6.70	6.85	7.00
Max. teeth height	m	9.50	9.65	9.80
Min. equipment radius	m	2.12	2.17	2.22

## Digging forces

without quick coupler		1	2	3
Max. digging force (ISO 6015)	kN	73.7	68.8	64.5
	t	7.5	7.0	6.6
Max. breakout force (ISO 6015)	kN	85.1	85.1	85.1
	t	8.7	8.7	8.7

Max. breakout force with ripper bucket

124.1kN (12.6t)

## Operating weight

The operating weight includes the basic machine with 8 tyres plus intermediate rings, two-piece boom 4.85 m, stick 2.25 m, quick coupler SWA 33 and bucket 850 mm / 0.50 m<sup>3</sup>.

Undercarriage versions	Weight (kg)
A 914 Compact Litronic with rear blade	15,500
A 914 Compact Litronic with rear outriggers + front blade	16,600
A 914 Compact EW Litronic with rear blade	15,700
A 914 Compact EW Litronic with rear outriggers + front blade	16,800

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

Cutting width mm	Capacity ISO 7451 <sup>1)</sup> m <sup>3</sup>	Weight kg	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 (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)		
			2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45
300 <sup>2)</sup>	0.17	220	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
400 <sup>2)</sup>	0.24	250	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
500 <sup>2)</sup>	0.28	250	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
550 <sup>2)</sup>	0.29	260	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
650 <sup>2)</sup>	0.36	290	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
850 <sup>2)</sup>	0.50	340	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
1,050 <sup>2)</sup>	0.65	380	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
1,250 <sup>2)</sup>	0.80	430	■	■	△	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
300 <sup>3)</sup>	0.18	210	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
400 <sup>3)</sup>	0.26	240	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
500 <sup>3)</sup>	0.30	240	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
550 <sup>3)</sup>	0.31	250	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
650 <sup>3)</sup>	0.39	270	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
850 <sup>3)</sup>	0.53	320	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
1,050 <sup>3)</sup>	0.71	370	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
1,250 <sup>3)</sup>	0.87	420	■	△	△	■	■	■	■	■	■	■	■	■	■	■	■	■	■	

\* 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

<sup>1)</sup> comparable with SAE (heaped)

<sup>2)</sup> Bucket with teeth (also available in HD version)

<sup>3)</sup> Bucket with cutting edge (also available in HD version)

Buckets up to 500 mm cutting width with limited digging depth

Max. material weight ■ = ≤ 1.8t/m<sup>3</sup>, ■ = ≤ 1.5t/m<sup>3</sup>, △ = ≤ 1.2t/m<sup>3</sup>, - = not authorised

# Lift capacities

with two-piece boom 4.85 m

## Stick 2.05 m

m	Undercarriage stabilized		3.0m		4.5m		6.0m		7.5m		m
	rear	front									
7.5	-	-							2.4*	2.4*	4.1
	Blade	-							2.4*	2.4*	
	Outriggers	Blade							2.4*	2.4*	
6.0	-	-			3.6	4.0*			2.1*	2.1*	5.7
	Blade	-			4.0	4.0*			2.1*	2.1*	
	Outriggers	Blade			4.1*	4.1*			2.1*	2.1*	
4.5	-	-	5.9*	5.9*	3.6	4.9*	2.2	3.6			6.6
	Blade	-	5.9*	5.9*	4.0	4.9*	2.5	3.7*			
	Outriggers	Blade	5.9*	5.9*	4.9*	4.9*	3.7*	3.7*			
3.0	-	-	6.2	8.7*	3.5	5.5	2.2	3.6			7.0
	Blade	-	6.9	8.7*	3.9	5.7*	2.4	4.4*			
	Outriggers	Blade	8.7*	8.7*	5.7*	5.7*	3.8	4.4*			
1.5	-	-	6.1	9.5*	3.5	5.4	2.1	3.5			7.1
	Blade	-	6.8	9.5*	3.9	6.3*	2.3	4.6*			
	Outriggers	Blade	9.5*	9.5*	5.7	6.3*	3.8	4.6*			
0	-	-	5.9	10.0*	3.3	5.5	2.0	3.4			6.9
	Blade	-	6.8	10.0*	3.7	6.4*	2.2	4.7*			
	Outriggers	Blade	10.0*	10.0*	5.8	6.4*	3.6	4.7*			
-1.5	-	-	5.6	10.1*	3.0	5.3	1.9	3.3			6.3
	Blade	-	6.4	10.1*	3.4	6.5*	2.1	4.1*			
	Outriggers	Blade	10.1*	10.1*	5.6	6.5*	3.5	4.1*			
-3.0	-	-	5.3	9.2*	2.8	4.8*					5.2
	Blade	-	6.1	9.2*	3.2	4.8*					
	Outriggers	Blade	9.2*	9.2*	4.8*	4.8*					

## Stick 2.25 m

m	Undercarriage stabilized		3.0m		4.5m		6.0m		7.5m		m
	rear	front									
7.5	-	-									4.4
	Blade	-									
	Outriggers	Blade									
6.0	-	-			3.6	3.8*					5.9
	Blade	-			3.8*	3.8*					
	Outriggers	Blade			3.8*	3.8*					
4.5	-	-	5.0*	5.0*	3.6	4.8*	2.2	3.6			6.8
	Blade	-	5.0*	5.0*	4.0	4.8*	2.5	3.7*			
	Outriggers	Blade	5.0*	5.0*	4.8*	4.8*	3.7*	3.7*			
3.0	-	-	6.2	8.3*	3.5	5.5	2.2	3.6			7.2
	Blade	-	6.9	8.3*	3.9	5.5*	2.5	4.3*			
	Outriggers	Blade	8.3*	8.3*	5.5*	5.5*	3.9	4.3*			
1.5	-	-	6.1	9.4*	3.5	5.4	2.1	3.5			7.3
	Blade	-	6.8	9.4*	3.8	6.2*	2.4	4.6*			
	Outriggers	Blade	9.4*	9.4*	5.7	6.2*	3.8	4.6*			
0	-	-	6.0	9.9*	3.3	5.5	2.0	3.4			7.1
	Blade	-	6.8	9.9*	3.7	6.3*	2.2	4.6*			
	Outriggers	Blade	9.9*	9.9*	5.8	6.3*	3.7	4.6*			
-1.5	-	-	5.6	10.1*	3.0	5.3	1.9	3.3			6.5
	Blade	-	6.4	10.1*	3.4	6.4*	2.1	4.3*			
	Outriggers	Blade	10.1*	10.1*	5.7	6.4*	3.5	4.3*			
-3.0	-	-	5.3	9.6*	2.8	5.1					5.5
	Blade	-	6.1	9.6*	3.2	5.3*					
	Outriggers	Blade	9.6*	9.6*	5.3*	5.3*					

## Stick 2.45 m

m	Undercarriage stabilized		3.0m		4.5m		6.0m		7.5m		m
	rear	front									
7.5	-	-			2.4*	2.4*					4.7
	Blade	-			2.4*	2.4*					
	Outriggers	Blade			2.4*	2.4*					
6.0	-	-			3.6*	3.6*	2.2*	2.2*			6.2
	Blade	-			3.6*	3.6*	2.2*	2.2*			
	Outriggers	Blade			3.6*	3.6*	2.2*	2.2*			
4.5	-	-			3.6	4.4*	2.2	3.6*			7.0
	Blade	-			4.0	4.4*	2.5	3.6*			
	Outriggers	Blade			4.4*	4.4*	3.6*	3.6*			
3.0	-	-	6.2	8.0*	3.5	5.4*	2.2	3.6			7.4
	Blade	-	6.9	8.0*	3.9	5.4*	2.5	4.3*			
	Outriggers	Blade	8.0*	8.0*	5.4*	5.4*	3.8	4.3*			
1.5	-	-	6.1	9.4*	3.5	5.4	2.1	3.5	1.4	1.9*	7.5
	Blade	-	6.8	9.4*	3.8	6.1*	2.4	4.5*	1.5	1.9*	
	Outriggers	Blade	9.4*	9.4*	5.7	6.1*	3.8	4.5*	1.9*	1.9*	
0	-	-	6.0	9.8*	3.3	5.4	2.0	3.4			7.3
	Blade	-	6.8	9.8*	3.7	6.3*	2.2	4.6*			
	Outriggers	Blade	9.8*	9.8*	5.7	6.3*	3.7	4.6*			
-1.5	-	-	5.6	10.0*	3.0	5.3	1.8	3.3			6.7
	Blade	-	6.4	10.0*	3.4	6.4*	2.1	4.4*			
	Outriggers	Blade	10.0*	10.0*	5.7	6.4*	3.5	4.4*			
-3.0	-	-	5.3	9.9*	2.8	5.1					5.7
	Blade	-	6.1	9.9*	3.2	5.7*					
	Outriggers	Blade	9.9*	9.9*	5.5	5.7*					

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

The lift capacities on the load hook of the Liebherr quick coupler SWA 33 without attachment are stated in metric tons (t) and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (±15°) are specified over the steering axle with the 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 hook on the quick coupler (max. 5 t). Without the quick coupler, lift capacities will increase by up to 110 kg.

In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

# Lift capacities

with two-piece boom 4.85 m, EW undercarriage

## Stick 2.05 m

m	Undercarriage stabilized		3.0m		4.5m		6.0m		7.5m		m
	rear	front									
7.5	-	-							2.4*	2.4*	4.1
	Blade	-							2.4*	2.4*	
	Outriggers	Blade							2.4*	2.4*	
6.0	-	-			4.0	4.0*			2.1*	2.1*	5.7
	Blade	-			4.0*	4.0*			2.1*	2.1*	
	Outriggers	Blade			4.0*	4.0*			2.1*	2.1*	
4.5	-	-	5.9*	5.9*	4.0	4.9*	2.5	3.7	2.1*	2.1*	6.6
	Blade	-	5.9*	5.9*	4.4	4.9*	2.8	3.7*	2.1*	2.1*	
	Outriggers	Blade	5.9*	5.9*	4.9*	4.9*	3.7*	3.7*	2.1*	2.1*	
3.0	-	-	7.0	8.7*	3.9	5.6	2.5	3.7	1.8	2.1*	7.0
	Blade	-	7.9	8.7*	4.4	5.7*	2.8	4.3	2.1	2.1*	
	Outriggers	Blade	8.7*	8.7*	5.7*	5.7*	4.0	4.4*	2.1*	2.1*	
1.5	-	-	6.9	9.5*	3.9	5.6	2.4	3.6	1.7	2.3*	7.1
	Blade	-	7.8	9.5*	4.3	6.3*	2.7	4.3	2.0	2.3*	
	Outriggers	Blade	9.5*	9.5*	6.0	6.3*	4.0	4.6*	2.3*	2.3*	
0	-	-	6.8	10.0*	3.7	5.6	2.2	3.5	1.8	2.7*	6.9
	Blade	-	7.8	10.0*	4.2	6.4*	2.6	4.2	2.0	2.7*	
	Outriggers	Blade	10.0*	10.0*	6.1	6.4*	3.9	4.7*	2.7*	2.7*	
-1.5	-	-	6.5	10.1*	3.4	5.4	2.1	3.4	2.0	3.1	6.3
	Blade	-	7.6	10.1*	3.9	6.5*	2.5	4.1	2.3	3.6*	
	Outriggers	Blade	10.1*	10.1*	6.0	6.5*	3.7	4.1*	3.5	3.6*	
-3.0	-	-	6.2	9.2*	3.2	4.8*			2.6	3.1*	5.2
	Blade	-	7.2	9.2*	3.7	4.8*			3.0	3.1*	
	Outriggers	Blade	9.2*	9.2*	4.8*	4.8*			3.1*	3.1*	

## Stick 2.25 m

m	Undercarriage stabilized		3.0m		4.5m		6.0m		7.5m		m
	rear	front									
7.5	-	-							2.2*	2.2*	4.4
	Blade	-							2.2*	2.2*	
	Outriggers	Blade							2.2*	2.2*	
6.0	-	-			3.8*	3.8*			1.9*	1.9*	5.9
	Blade	-			3.8*	3.8*			1.9*	1.9*	
	Outriggers	Blade			3.8*	3.8*			1.9*	1.9*	
4.5	-	-	5.0*	5.0*	4.0	4.8*	2.5	3.7*	1.9*	1.9*	6.8
	Blade	-	5.0*	5.0*	4.4	4.8*	2.8	3.7*	1.9*	1.9*	
	Outriggers	Blade	5.0*	5.0*	4.8*	4.8*	3.7*	3.7*	1.9*	1.9*	
3.0	-	-	7.0	8.3*	3.9	5.5*	2.5	3.7	1.7	1.9*	7.2
	Blade	-	7.9	8.3*	4.3	5.5*	2.8	4.3	1.9*	1.9*	
	Outriggers	Blade	8.3*	8.3*	5.5*	5.5*	4.0	4.3*	1.9*	1.9*	
1.5	-	-	6.9	9.4*	3.9	5.5	2.4	3.6	1.6	2.1*	7.3
	Blade	-	7.7	9.4*	4.3	6.2*	2.7	4.3	1.9	2.1*	
	Outriggers	Blade	9.4*	9.4*	6.0	6.2*	4.0	4.6*	2.1*	2.1*	
0	-	-	6.9	9.9*	3.7	5.6	2.3	3.5	1.7	2.4*	7.1
	Blade	-	7.8	9.9*	4.2	6.3*	2.6	4.2	1.9	2.4*	
	Outriggers	Blade	9.9*	9.9*	6.0	6.3*	3.9	4.6*	2.4*	2.4*	
-1.5	-	-	6.5	10.1*	3.4	5.4	2.1	3.4	1.9	2.9	6.5
	Blade	-	7.6	10.1*	3.9	6.4*	2.4	4.1	2.1	3.1*	
	Outriggers	Blade	10.1*	10.1*	6.0	6.4*	3.7	4.3*	3.1*	3.1*	
-3.0	-	-	6.2	9.6*	3.2	5.2			2.4	3.0*	5.5
	Blade	-	7.2	9.6*	3.7	5.3*			2.8	3.0*	
	Outriggers	Blade	9.6*	9.6*	5.3*	5.3*			3.0*	3.0*	

## Stick 2.45 m

m	Undercarriage stabilized		3.0m		4.5m		6.0m		7.5m		m
	rear	front									
7.5	-	-			2.4*	2.4*			2.0*	2.0*	4.7
	Blade	-			2.4*	2.4*			2.0*	2.0*	
	Outriggers	Blade			2.4*	2.4*			2.0*	2.0*	
6.0	-	-			3.6*	3.6*	2.2*	2.2*	1.8*	1.8*	6.2
	Blade	-			3.6*	3.6*	2.2*	2.2*	1.8*	1.8*	
	Outriggers	Blade			3.6*	3.6*	2.2*	2.2*	1.8*	1.8*	
4.5	-	-			4.0	4.4*	2.5	3.6*	1.7*	1.7*	7.0
	Blade	-			4.4*	4.4*	2.8	3.6*	1.7*	1.7*	
	Outriggers	Blade			4.4*	4.4*	3.6*	3.6*	1.7*	1.7*	
3.0	-	-	7.0	8.0*	3.9	5.4*	2.5	3.7	1.7	1.7*	7.4
	Blade	-	7.9	8.0*	4.3	5.4*	2.8	4.3*	1.7*	1.7*	
	Outriggers	Blade	8.0*	8.0*	5.4*	5.4*	4.0	4.3*	1.7*	1.7*	
1.5	-	-	6.8	9.4*	3.8	5.5	2.4	3.6	1.6	1.9*	7.5
	Blade	-	7.7	9.4*	4.3	6.1*	2.7	4.3	1.8	1.9*	
	Outriggers	Blade	9.4*	9.4*	6.0	6.1*	4.0	4.5*	1.9*	1.9*	
0	-	-	6.9	9.8*	3.7	5.5	2.3	3.5	1.6	2.2*	7.3
	Blade	-	7.7	9.8*	4.2	6.3*	2.6	4.2	1.8	2.2*	
	Outriggers	Blade	9.8*	9.8*	6.0	6.3*	3.9	4.6*	2.2*	2.2*	
-1.5	-	-	6.5	10.0*	3.5	5.4	2.1	3.4	1.8	2.7*	6.7
	Blade	-	7.6	10.0*	3.9	6.4*	2.4	4.1	2.0	2.7*	
	Outriggers	Blade	10.0*	10.0*	6.0	6.4*	3.7	4.4*	2.7*	2.7*	
-3.0	-	-	6.2	9.9*	3.2	5.2			2.2	3.0*	5.7
	Blade	-	7.2	9.9*	3.7	5.7*			2.6	3.0*	
	Outriggers	Blade	9.9*	9.9*	5.7*	5.7*			3.0*	3.0*	

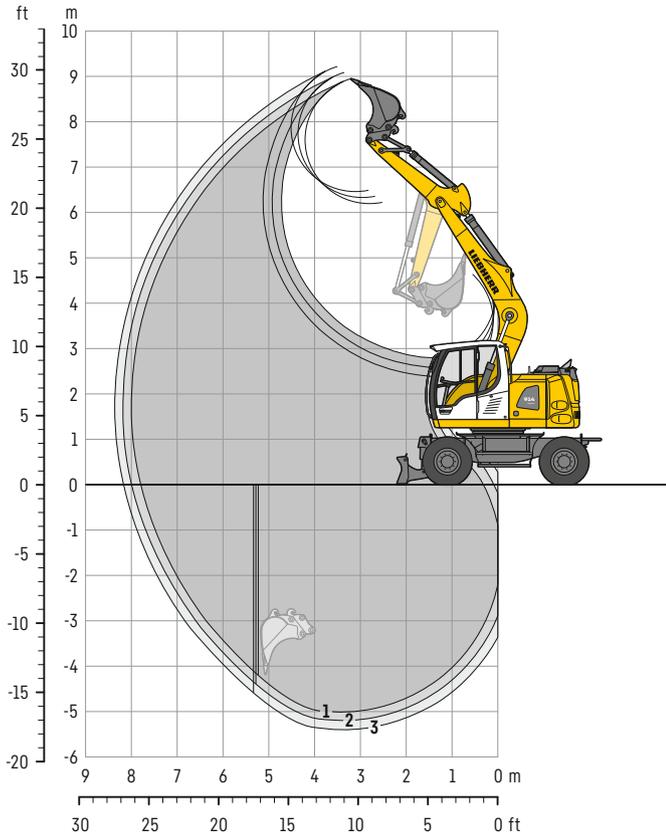
Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

The lift capacities on the load hook of the Liebherr quick coupler SWA 33 without attachment are stated in metric tons (t) and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (±15°) are specified over the steering axle with the 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 hook on the quick coupler (max. 5 t). Without the quick coupler, lift capacities will increase by up to 110 kg.

In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

# Backhoe bucket

with mono boom 4.60 m



## Digging envelope

with quick coupler		1	2	3
Stick length	m	2.05	2.25	2.45
Max. digging depth	m	5.00	5.20	5.40
Max. reach at ground level	m	7.80	8.00	8.20
Max. dumping height	m	6.25	6.35	6.50
Max. teeth height	m	8.95	9.10	9.25
Min. equipment radius	m	1.86	1.88	1.90

## Digging forces

without quick coupler		1	2	3
Max. digging force (ISO 6015)	kN	73.7	68.8	64.5
	t	7.5	7.0	6.6
Max. breakout force (ISO 6015)	kN	85.1	85.1	85.1
	t	8.7	8.7	8.7

Max. breakout force with ripper bucket

124.1kN (12.6t)

## Operating weight

The operating weight includes the basic machine with 8 tyres plus intermediate rings, mono boom 4.60 m, stick 2.25 m, quick coupler SWA 33 and bucket 850 mm / 0.50 m<sup>3</sup>.

Undercarriage versions	Weight (kg)
A 914 Compact Litronic with rear blade	15,100
A 914 Compact Litronic with rear outriggers + front blade	16,300
A 914 Compact EW Litronic with rear blade	15,300
A 914 Compact EW Litronic with rear outriggers + front blade	16,400

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

Cutting width mm	Capacity ISO 7451 <sup>1)</sup> m <sup>3</sup>	Weight kg	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 (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)		
			2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45
300 <sup>2)</sup>	0.17	220	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
400 <sup>2)</sup>	0.24	250	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
500 <sup>2)</sup>	0.28	250	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
550 <sup>2)</sup>	0.29	260	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
650 <sup>2)</sup>	0.36	290	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
850 <sup>2)</sup>	0.50	340	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
1,050 <sup>2)</sup>	0.65	380	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
1,250 <sup>2)</sup>	0.80	430	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
300 <sup>3)</sup>	0.18	210	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
400 <sup>3)</sup>	0.26	240	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
500 <sup>3)</sup>	0.30	240	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
550 <sup>3)</sup>	0.31	250	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
650 <sup>3)</sup>	0.39	270	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
850 <sup>3)</sup>	0.53	320	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
1,050 <sup>3)</sup>	0.71	370	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
1,250 <sup>3)</sup>	0.87	420	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	

\* 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

<sup>1)</sup> comparable with SAE (heaped)

<sup>2)</sup> Bucket with teeth (also available in HD version)

<sup>3)</sup> Bucket with cutting edge (also available in HD version)

Buckets up to 500 mm cutting width with limited digging depth

Max. material weight ■ = ≤ 1.8t/m<sup>3</sup>, ■ = ≤ 1.5t/m<sup>3</sup>, △ = ≤ 1.2t/m<sup>3</sup>, - = not authorised

# Lift capacities

with mono boom 4.60 m

## Stick 2.05 m

m	Undercarriage stabilized		3.0m		4.5m		6.0m		7.5m		m
	rear	front									
7.5	-	-									
	Blade	-									
	Outriggers	Blade									
6.0	-	-			3.4*	3.4*				2.1*	2.1*
	Blade	-			3.4*	3.4*				2.1*	2.1*
	Outriggers	Blade			3.4*	3.4*				2.1*	2.1*
4.5	-	-	4.6*	4.6*	3.4	4.0*	2.2	2.5*		2.1*	2.1*
	Blade	-	4.6*	4.6*	3.8	4.0*	2.4	2.5*		2.1*	2.1*
	Outriggers	Blade	4.6*	4.6*	4.0*	4.0*	2.5*	2.5*		2.1*	2.1*
3.0	-	-	5.9	7.2*	3.2	4.9*	2.1	3.5		1.8	2.2*
	Blade	-	6.7	7.2*	3.6	4.9*	2.3	4.1*		2.0	2.2*
	Outriggers	Blade	7.2*	7.2*	4.9*	4.9*	3.8	4.1*		2.2*	2.2*
1.5	-	-	5.2	8.5*	3.0	5.2	2.0	3.4		1.7	2.5*
	Blade	-	5.9	8.5*	3.3	5.9*	2.2	4.5*		1.9	2.5*
	Outriggers	Blade	8.5*	8.5*	5.6	5.9*	3.6	4.5*		2.5*	2.5*
0	-	-	5.0	8.4*	2.8	5.0	1.9	3.3		1.7	2.9
	Blade	-	5.7	8.4*	3.2	6.4*	2.1	4.7*		1.9	3.0*
	Outriggers	Blade	8.4*	8.4*	5.4	6.4*	3.5	4.7*		3.0*	3.0*
-1.5	-	-	4.9	9.1*	2.7	5.0				1.9	3.4
	Blade	-	5.7	9.1*	3.1	6.2*				2.2	4.3*
	Outriggers	Blade	9.1*	9.1*	5.3	6.2*				3.6	4.3*
-3.0	-	-	5.1	7.3*	2.8	5.0*				2.7	4.7*
	Blade	-	5.8	7.3*	3.2	5.0*				3.0	4.7*
	Outriggers	Blade	7.3*	7.3*	5.0*	5.0*				4.7*	4.7*

## Stick 2.25 m

m	Undercarriage stabilized		3.0m		4.5m		6.0m		7.5m		m	
	rear	front										
7.5	-	-									2.2*	2.2*
	Blade	-									2.2*	2.2*
	Outriggers	Blade									2.2*	2.2*
6.0	-	-			3.4*	3.4*					1.9*	1.9*
	Blade	-			3.4*	3.4*					1.9*	1.9*
	Outriggers	Blade			3.4*	3.4*					1.9*	1.9*
4.5	-	-	3.5	3.8*	2.2	2.8*					1.9*	1.9*
	Blade	-	3.8*	3.8*	2.4	2.8*					1.9*	1.9*
	Outriggers	Blade	3.8*	3.8*	2.8*	2.8*					1.9*	1.9*
3.0	-	-	5.9	6.7*	3.2	4.8*	2.1	3.5			1.7	2.0*
	Blade	-	6.7*	6.7*	3.6	4.8*	2.3	4.0*			1.9	2.0*
	Outriggers	Blade	6.7*	6.7*	4.8*	4.8*	3.8	4.0*			2.0*	2.0*
1.5	-	-	5.2	9.3*	3.0	5.2	2.0	3.4			1.6	2.2*
	Blade	-	6.0	9.3*	3.3	5.7*	2.2	4.4*			1.8	2.2*
	Outriggers	Blade	9.3*	9.3*	5.6	5.7*	3.6	4.4*			2.2*	2.2*
0	-	-	4.9	8.4*	2.8	5.0	1.9	3.3			1.6	2.7*
	Blade	-	5.7	8.4*	3.2	6.3*	2.1	4.6*			1.8	2.7*
	Outriggers	Blade	8.4*	8.4*	5.4	6.3*	3.5	4.6*			2.7*	2.7*
-1.5	-	-	4.9	9.3*	2.7	4.9	1.8	3.2			1.8	3.2
	Blade	-	5.7	9.3*	3.1	6.2*	2.1	4.4*			2.1	3.7*
	Outriggers	Blade	9.3*	9.3*	5.3	6.2*	3.5	4.4*			3.4	3.7*
-3.0	-	-	5.0	7.7*	2.8	5.0					2.4	4.3
	Blade	-	5.8	7.7*	3.1	5.2*					2.8	4.6*
	Outriggers	Blade	7.7*	7.7*	5.2*	5.2*					4.6*	4.6*

## Stick 2.45 m

m	Undercarriage stabilized		3.0m		4.5m		6.0m		7.5m		m	
	rear	front										
7.5	-	-									2.0*	2.0*
	Blade	-									2.0*	2.0*
	Outriggers	Blade									2.0*	2.0*
6.0	-	-			3.3*	3.3*					1.7*	1.7*
	Blade	-			3.3*	3.3*					1.7*	1.7*
	Outriggers	Blade			3.3*	3.3*					1.7*	1.7*
4.5	-	-	3.5	3.6*	2.2	2.9*					1.7*	1.7*
	Blade	-	3.6*	3.6*	2.4	2.9*					1.7*	1.7*
	Outriggers	Blade	3.6*	3.6*	2.9*	2.9*					1.7*	1.7*
3.0	-	-	6.0	6.3*	3.2	4.6*	2.1	3.5			1.6	1.8*
	Blade	-	6.3*	6.3*	3.6	4.6*	2.3	3.9*			1.8*	1.8*
	Outriggers	Blade	6.3*	6.3*	4.6*	4.6*	3.8	3.9*			1.8*	1.8*
1.5	-	-	5.3	9.0*	3.0	5.2	2.0	3.4			1.5	2.0*
	Blade	-	6.0	9.0*	3.3	5.6*	2.2	4.3*			1.7	2.0*
	Outriggers	Blade	9.0*	9.0*	5.6*	5.6*	3.6	4.3*			2.0*	2.0*
0	-	-	4.9	8.5*	2.8	5.0	1.9	3.3			1.5	2.4*
	Blade	-	5.7	8.5*	3.1	6.2*	2.1	4.6*			1.7	2.4*
	Outriggers	Blade	8.5*	8.5*	5.4	6.2*	3.5	4.6*			2.4*	2.4*
-1.5	-	-	4.8	9.4*	2.7	4.9	1.8	3.2			1.7	3.0
	Blade	-	5.6	9.4*	3.1	6.2*	2.1	4.5*			1.9	3.2*
	Outriggers	Blade	9.4*	9.4*	5.3	6.2*	3.5	4.5*			3.2*	3.2*
-3.0	-	-	4.9	7.9*	2.7	4.9					2.2	4.0
	Blade	-	5.7	7.9*	3.1	5.4*					2.5	4.4*
	Outriggers	Blade	7.9*	7.9*	5.3	5.4*					4.3	4.4*

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

The lift capacities on the load hook of the Liebherr quick coupler SWA 33 without attachment are stated in metric tons (t) and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (±15°) are specified over the steering axle with the 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 hook on the quick coupler (max. 5t). Without the quick coupler, lift capacities will increase by up to 110 kg.

In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

# Lift capacities

with mono boom 4,60 m, EW undercarriage

## Stick 2.05 m

m	Undercarriage stabilized		3.0m		4.5m		6.0m		7.5m		m
	rear	front									
7.5	-	-									
	Blade	-									
	Outriggers	Blade									2.1* 2.1*
6.0	-	-			3.4* 3.4*						2.1* 2.1*
	Blade	-			3.4* 3.4*						2.1* 2.1*
	Outriggers	Blade			3.4* 3.4*						2.1* 2.1*
4.5	-	-	4.6* 4.6*	4.6* 4.6*	3.9 4.0*	2.4 2.5*					2.1* 2.1*
	Blade	-	4.6* 4.6*	4.0* 4.0*	2.5* 2.5*						2.1* 2.1*
	Outriggers	Blade	4.6* 4.6*	4.0* 4.0*	2.5* 2.5*						2.1* 2.1*
3.0	-	-	6.7 7.2*	3.6 4.9*	2.4 3.6						2.0 2.2*
	Blade	-	7.2* 7.2*	4.1 4.9*	2.7 4.1*						2.2* 2.2*
	Outriggers	Blade	7.2* 7.2*	4.9* 4.9*	4.0 4.1*						2.2* 2.2*
1.5	-	-	6.0 8.5*	3.4 5.3	2.2 3.5						1.9 2.5*
	Blade	-	7.1 8.5*	3.9 5.9*	2.6 4.2						2.2 2.5*
	Outriggers	Blade	8.5* 8.5*	5.9* 5.9*	3.8 4.5*						2.5* 2.5*
0	-	-	5.8 8.4*	3.2 5.1	2.2 3.4						1.9 3.0*
	Blade	-	6.8 8.4*	3.7 6.4*	2.5 4.1						2.2 3.0*
	Outriggers	Blade	8.4* 8.4*	5.7 6.4*	3.8 4.7*						3.0* 3.0*
-1.5	-	-	5.8 9.1*	3.2 5.1							2.2 3.5
	Blade	-	6.8 9.1*	3.6 6.2*							2.5 4.2
	Outriggers	Blade	9.1* 9.1*	5.7 6.2*							3.9 4.3*
-3.0	-	-	5.9 7.3*	3.2 5.0*							3.1 4.7*
	Blade	-	6.9 7.3*	3.7 5.0*							3.5 4.7*
	Outriggers	Blade	7.3* 7.3*	5.0* 5.0*							4.7* 4.7*

## Stick 2.25 m

m	Undercarriage stabilized		3.0m		4.5m		6.0m		7.5m		m
	rear	front									
7.5	-	-									2.2* 2.2*
	Blade	-									2.2* 2.2*
	Outriggers	Blade									2.2* 2.2*
6.0	-	-			3.4* 3.4*						1.9* 1.9*
	Blade	-			3.4* 3.4*						1.9* 1.9*
	Outriggers	Blade			3.4* 3.4*						1.9* 1.9*
4.5	-	-	3.8* 3.8*	2.5 2.8*							1.9* 1.9*
	Blade	-	3.8* 3.8*	2.8 2.8*							1.9* 1.9*
	Outriggers	Blade	3.8* 3.8*	2.8* 2.8*							1.9* 1.9*
3.0	-	-	6.7* 6.7*	3.7 4.8*	2.4 3.6						1.9 2.0*
	Blade	-	6.7* 6.7*	4.1 4.8*	2.7 4.0*						2.0* 2.0*
	Outriggers	Blade	6.7* 6.7*	4.8* 4.8*	4.0 4.0*						2.0* 2.0*
1.5	-	-	6.1 9.3*	3.4 5.3	2.2 3.5						1.8 2.2*
	Blade	-	7.1 9.3*	3.9 5.7*	2.6 4.2						2.1 2.2*
	Outriggers	Blade	9.3* 9.3*	5.7* 5.7*	3.8 4.4*						2.2* 2.2*
0	-	-	5.8 8.4*	3.2 5.1	2.1 3.4						1.8 2.7*
	Blade	-	6.8 8.4*	3.7 6.3*	2.5 4.1						2.1 2.7*
	Outriggers	Blade	8.4* 8.4*	5.7 6.3*	3.7 4.6*						2.7* 2.7*
-1.5	-	-	5.7 9.3*	3.1 5.1	2.1 3.0						2.1 3.3
	Blade	-	6.8 9.3*	3.6 6.2*	2.4 4.0						2.4 3.7*
	Outriggers	Blade	9.3* 9.3*	5.7 6.2*	3.7 4.4*						3.6 3.7*
-3.0	-	-	5.8 7.7*	3.2 5.1							2.8 4.5
	Blade	-	6.9 7.7*	3.7 5.2*							3.2 4.6*
	Outriggers	Blade	7.7* 7.7*	5.2* 5.2*							4.6* 4.6*

## Stick 2.45 m

m	Undercarriage stabilized		3.0m		4.5m		6.0m		7.5m		m
	rear	front									
7.5	-	-									2.0* 2.0*
	Blade	-									2.0* 2.0*
	Outriggers	Blade									2.0* 2.0*
6.0	-	-			3.3* 3.3*						1.7* 1.7*
	Blade	-			3.3* 3.3*						1.7* 1.7*
	Outriggers	Blade			3.3* 3.3*						1.7* 1.7*
4.5	-	-			3.6* 3.6*	2.5 2.9*					1.7* 1.7*
	Blade	-			3.6* 3.6*	2.8 2.9*					1.7* 1.7*
	Outriggers	Blade			3.6* 3.6*	2.9* 2.9*					1.7* 1.7*
3.0	-	-	6.3* 6.3*	3.7 4.6*	2.4 3.6						1.8* 1.8*
	Blade	-	6.3* 6.3*	4.2 4.6*	2.7 3.9*						1.8* 1.8*
	Outriggers	Blade	6.3* 6.3*	4.6* 4.6*	3.9* 3.9*						1.8* 1.8*
1.5	-	-	6.1 9.0*	3.4 5.3	2.2 3.5						1.7 2.0*
	Blade	-	7.1 9.0*	3.9 5.6*	2.5 4.2						2.0* 2.0*
	Outriggers	Blade	9.0* 9.0*	5.6* 5.6*	3.8 4.3*						2.0* 2.0*
0	-	-	5.7 8.5*	3.2 5.1	2.1 3.3						1.8 2.4*
	Blade	-	6.8 8.5*	3.7 6.2*	2.4 4.1						2.0 2.4*
	Outriggers	Blade	8.5* 8.5*	5.7 6.2*	3.7 4.6*						2.4* 2.4*
-1.5	-	-	5.7 9.4*	3.1 5.0	2.1 3.3						2.0 3.1
	Blade	-	6.7 9.4*	3.6 6.2*	2.4 4.0						2.3 3.2*
	Outriggers	Blade	9.4* 9.4*	5.6 6.2*	3.7 4.5*						3.2* 3.2*
-3.0	-	-	5.8 7.9*	3.1 5.1							2.6 4.1
	Blade	-	6.8 7.9*	3.6 5.4*							3.0 4.4*
	Outriggers	Blade	7.9* 7.9*	5.4* 5.4*							4.4* 4.4*

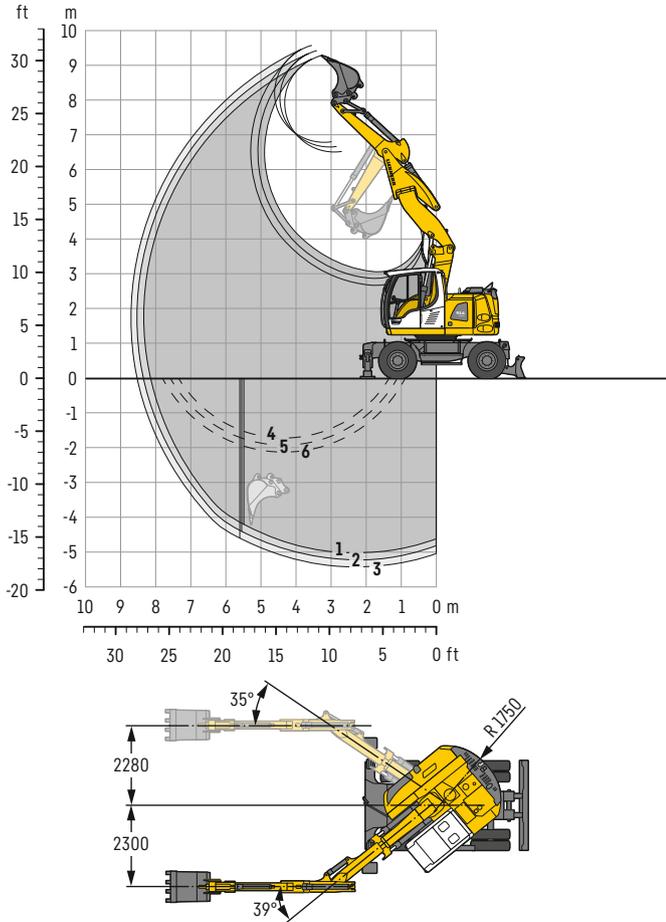
Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

The lift capacities on the load hook of the Liebherr quick coupler SWA 33 without attachment are stated in metric tons (t) and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (±15°) are specified over the steering axle with the 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 hook on the quick coupler (max. 5t). Without the quick coupler, lift capacities will increase by up to 110 kg.

In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

# Backhoe bucket

with offset two-piece boom 4.90 m



## Digging envelope

with quick coupler		1	2	3
Stick length	m	2.05	2.25	2.45
Max. digging depth	m	5.00	5.20	5.40
Max. reach at ground level	m	8.15	8.35	8.55
Max. dumping height	m	6.55	6.70	6.80
Max. teeth height	m	9.30	9.45	9.60
Min. equipment radius	m	2.12	2.15	2.18

1 with stick 2.05 m	4 with stick 2.05 m
2 with stick 2.25 m	5 with stick 2.25 m
3 with stick 2.45 m	6 with stick 2.45 m
with set straight boom	at max. equipment offset with vertical ditch walls

## Digging forces

without quick coupler		1	2	3
Max. digging force (ISO 6015)	kN	73.7	68.8	64.5
	t	7.5	7.0	6.6
Max. breakout force (ISO 6015)	kN	85.1	85.1	85.1
	t	8.7	8.7	8.7

Max. breakout force with ripper bucket

124.1kN (12.6t)

## Operating weight

The operating weight includes the basic machine with 8 tyres plus intermediate rings, offset two-piece boom 4.90 m, stick 2.25 m, quick coupler SWA 33 and bucket 850 mm / 0.50 m<sup>3</sup>.

Undercarriage versions	Weight (kg)
A 914 Compact Litronic with rear outriggers + front blade	17,200
A 914 Compact EW Litronic with rear outriggers + front blade	17,200

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

Cutting width mm	Capacity ISO 7451 <sup>1)</sup> m <sup>3</sup>	Weight kg	Stabilizers raised			Rear outriggers + front blade down			EW Stabilizers raised			EW Rear outriggers + front blade down		
			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)		
			2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45
500 <sup>2)</sup>	0.28	250	■	■	■	■	■	■	■	■	■	■	■	■
550 <sup>2)</sup>	0.29	260	■	■	■	■	■	■	■	■	■	■	■	■
650 <sup>2)</sup>	0.36	290	■	■	■	■	■	■	■	■	■	■	■	■
850 <sup>2)</sup>	0.50	340	■	■	■	■	■	■	■	■	■	■	■	■
1,050 <sup>2)</sup>	0.65	380	■	■	■	■	■	■	■	■	■	■	■	■
1,250 <sup>2)</sup>	0.80	430	■	■	■	■	■	■	■	■	■	■	■	■
500 <sup>3)</sup>	0.30	240	■	■	■	■	■	■	■	■	■	■	■	■
550 <sup>3)</sup>	0.31	250	■	■	■	■	■	■	■	■	■	■	■	■
650 <sup>3)</sup>	0.39	270	■	■	■	■	■	■	■	■	■	■	■	■
850 <sup>3)</sup>	0.53	320	■	■	■	■	■	■	■	■	■	■	■	■
1,050 <sup>3)</sup>	0.71	370	■	■	■	■	■	■	■	■	■	■	■	■
1,250 <sup>3)</sup>	0.87	420	△	△	-	■	■	■	■	■	△	■	■	■

\* 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

<sup>1)</sup> comparable with SAE (heaped)

<sup>2)</sup> Bucket with teeth (also available in HD version)

<sup>3)</sup> Bucket with cutting edge (also available in HD version)

Buckets with 500 mm cutting width with limited digging depth

Max. material weight ■ = ≤ 1.8t/m<sup>3</sup>, ■ = ≤ 1.5t/m<sup>3</sup>, △ = ≤ 1.2t/m<sup>3</sup>, - = not authorised

# Lift capacities

with offset two-piece boom 4.90 m

## Stick 2.05 m

m	Undercarriage stabilized		3.0m		4.5m		6.0m		7.5m		m	
	rear	front										
7.5	-	-									2.3* 2.3*	4.0
	Outriggers	Blade									2.3* 2.3*	
6.0	-	-			3.6 4.0*						2.0* 2.0*	5.6
	Outriggers	Blade			4.0* 4.0*						2.0* 2.0*	
4.5	-	-	6.0* 6.0*	6.0*	3.6 4.6*	2.1 3.5					1.7 2.0*	6.5
	Outriggers	Blade	6.0* 6.0*	6.0*	4.6* 4.6*	3.6* 3.6*					2.0* 2.0*	
3.0	-	-	6.1 8.2*	8.2*	3.5 5.3*	2.1 3.5					1.5 2.1*	7.0
	Outriggers	Blade	8.2* 8.2*	8.2*	5.3* 5.3*	3.8 4.1*					2.1* 2.1*	
1.5	-	-	6.0 9.0*	9.0*	3.4 5.3	2.0 3.4					1.3 2.3*	7.1
	Outriggers	Blade	9.0* 9.0*	9.0*	5.5 5.9*	3.7 4.3*					2.3* 2.3*	
0	-	-	5.9 9.4*	9.4*	3.2 5.4	1.8 3.2					1.3 2.5	6.9
	Outriggers	Blade	9.4* 9.4*	9.4*	5.6 6.0*	3.5 4.4*					2.7 2.8*	
-1.5	-	-	5.4 9.7*	9.7*	2.8 5.1	1.6 3.1					1.5 2.9	6.3
	Outriggers	Blade	9.7* 9.7*	9.7*	5.5 6.2*	3.3 4.0*					3.1 3.5*	
-3.0	-	-	4.9 8.9*	8.9*	2.5 4.7*						2.0 3.1*	5.2
	Outriggers	Blade	8.9* 8.9*	8.9*	4.7* 4.7*						3.1* 3.1*	

## Stick 2.25 m

m	Undercarriage stabilized		3.0m		4.5m		6.0m		7.5m		m	
	rear	front										
7.5	-	-									2.1* 2.1*	4.3
	Outriggers	Blade									2.1* 2.1*	
6.0	-	-			3.6 3.8*						1.9* 1.9*	5.9
	Outriggers	Blade			3.8* 3.8*						1.9* 1.9*	
4.5	-	-	6.0* 6.0*	6.0*	3.6 4.5*	2.2 3.6					1.6 1.8*	6.7
	Outriggers	Blade	6.0* 6.0*	6.0*	4.5* 4.5*	3.6* 3.6*					1.8* 1.8*	
3.0	-	-	6.1 7.8*	7.8*	3.5 5.2*	2.1 3.5					1.4 1.9*	7.2
	Outriggers	Blade	7.8* 7.8*	7.8*	5.2* 5.2*	3.8 4.1*					1.9* 1.9*	
1.5	-	-	5.9 8.9*	8.9*	3.4 5.2	2.0 3.4					1.3 2.1*	7.3
	Outriggers	Blade	8.9* 8.9*	8.9*	5.5 5.8*	3.7 4.3*					2.1* 2.1*	
0	-	-	5.9 9.3*	9.3*	3.2 5.3	1.8 3.3					1.3 2.4	7.1
	Outriggers	Blade	9.3* 9.3*	9.3*	5.5 5.9*	3.5 4.4*					2.5* 2.5*	
-1.5	-	-	5.4 9.6*	9.6*	2.8 5.1	1.6 3.1					1.4 2.7	6.5
	Outriggers	Blade	9.6* 9.6*	9.6*	5.5 6.1*	3.3 4.1*					2.9 3.3*	
-3.0	-	-	5.0 9.3*	9.3*	2.5 4.8						1.9 3.1*	5.4
	Outriggers	Blade	9.3* 9.3*	9.3*	5.1* 5.1*						3.1* 3.1*	

## Stick 2.45 m

m	Undercarriage stabilized		3.0m		4.5m		6.0m		7.5m		m	
	rear	front										
7.5	-	-			2.2* 2.2*						1.9* 1.9*	4.7
	Outriggers	Blade			2.2* 2.2*						1.9* 1.9*	
6.0	-	-			3.5* 3.5*	2.0* 2.0*					1.7* 1.7*	6.1
	Outriggers	Blade			3.5* 3.5*	2.0* 2.0*					1.7* 1.7*	
4.5	-	-	6.1 7.5*	7.5*	3.6 4.3*	2.2 3.5*					1.6 1.7*	6.9
	Outriggers	Blade	7.5* 7.5*	7.5*	4.3* 4.3*	3.5* 3.5*					1.7* 1.7*	
3.0	-	-	5.9 8.9*	8.9*	3.4 5.2	2.0 3.5					1.3 1.7*	7.4
	Outriggers	Blade	8.9* 8.9*	8.9*	5.0* 5.0*	3.7 4.0*					1.7* 1.7*	
1.5	-	-	6.0 9.3*	9.3*	3.2 5.2	1.8 3.3					1.2 2.2*	7.5
	Outriggers	Blade	9.3* 9.3*	9.3*	5.5 5.9*	3.5 4.3*					2.2* 2.2*	
0	-	-	5.5 9.5*	9.5*	2.8 5.2	1.6 3.1					1.3 2.6	6.7
	Outriggers	Blade	9.5* 9.5*	9.5*	5.6 6.0*	3.4 4.2*					2.8 2.8*	
-1.5	-	-	5.0 9.6*	9.6*	2.5 4.8						1.7 3.0*	5.7
	Outriggers	Blade	9.6* 9.6*	9.6*	5.2 5.5*						3.0* 3.0*	

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

The lift capacities on the load hook of the Liebherr quick coupler SWA 33 without attachment are stated in metric tons (t) and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (±15°) are specified over the steering axle with the 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 hook on the quick coupler (max. 5 t). Without the quick coupler, lift capacities will increase by up to 110 kg.

In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

# Lift capacities

with offset two-piece boom 4.90 m, EW undercarriage

## Stick 2.05 m

m	Undercarriage stabilized		3.0m		4.5m		6.0m		7.5m		m	
	rear	front										
7.5	-	-									2.3* 2.3*	4.0
	Outriggers	Blade									2.3* 2.3*	
6.0	-	-			4.0* 4.0*						2.0* 2.0*	5.6
	Outriggers	Blade			4.0* 4.0*						2.0* 2.0*	
4.5	-	-	6.0* 6.0*	6.0* 6.0*	3.9 4.6*	2.4 3.6*					2.0 2.0*	6.5
	Outriggers	Blade	6.0* 6.0*	6.0* 6.0*	4.6* 4.6*	3.6* 3.6*					2.0* 2.0*	
3.0	-	-	6.8 8.2*	6.8 8.2*	3.8 5.3*	2.4 3.6					1.7 2.1*	7.0
	Outriggers	Blade	8.2* 8.2*	8.2* 8.2*	5.3* 5.3*	3.9 4.1*					2.1* 2.1*	
1.5	-	-	6.7 9.0*	6.7 9.0*	3.8 5.4	2.3 3.5					1.6 2.3*	7.1
	Outriggers	Blade	9.0* 9.0*	9.0* 9.0*	5.8 5.9*	3.9 4.3*					2.3* 2.3*	
0	-	-	6.8 9.4*	6.8 9.4*	3.6 5.4	2.1 3.3					1.6 2.6	6.9
	Outriggers	Blade	9.4* 9.4*	9.4* 9.4*	5.8 6.0*	3.7 4.4*					2.8* 2.8*	
-1.5	-	-	6.3 9.7*	6.3 9.7*	3.2 5.2	1.9 3.2					1.8 2.9	6.3
	Outriggers	Blade	9.7* 9.7*	9.7* 9.7*	5.8 6.2*	3.5 4.0*					3.3 3.5*	
-3.0	-	-	5.8 8.9*	5.8 8.9*	3.0 4.7*						2.4 3.1*	5.2
	Outriggers	Blade	8.9* 8.9*	8.9* 8.9*	4.7* 4.7*						3.1* 3.1*	

## Stick 2.25 m

m	Undercarriage stabilized		3.0m		4.5m		6.0m		7.5m		m	
	rear	front										
7.5	-	-									2.1* 2.1*	4.3
	Outriggers	Blade									2.1* 2.1*	
6.0	-	-			3.8* 3.8*						1.9* 1.9*	5.9
	Outriggers	Blade			3.8* 3.8*						1.9* 1.9*	
4.5	-	-	6.0* 6.0*	6.0* 6.0*	3.8 4.5*	2.4 3.6*					1.8* 1.8*	6.7
	Outriggers	Blade	6.0* 6.0*	6.0* 6.0*	4.5* 4.5*	3.6* 3.6*					1.8* 1.8*	
3.0	-	-	6.8 7.8*	6.8 7.8*	3.8 5.2*	2.4 3.6					1.6 1.9*	7.2
	Outriggers	Blade	7.8* 7.8*	7.8* 7.8*	5.2* 5.2*	3.9 4.1*					1.9* 1.9*	
1.5	-	-	6.6 8.9*	6.6 8.9*	3.8 5.3	2.3 3.5					1.5 2.1*	7.3
	Outriggers	Blade	8.9* 8.9*	8.9* 8.9*	5.7 5.8*	3.9 4.3*					2.1* 2.1*	
0	-	-	6.7 9.3*	6.7 9.3*	3.7 5.4	2.1 3.3					1.5 2.5*	7.1
	Outriggers	Blade	9.3* 9.3*	9.3* 9.3*	5.8 5.9*	3.7 4.4*					2.5* 2.5*	
-1.5	-	-	6.3 9.6*	6.3 9.6*	3.2 5.3	1.9 3.2					1.7 2.8	6.5
	Outriggers	Blade	9.6* 9.6*	9.6* 9.6*	5.9 6.1*	3.6 4.1*					3.1 3.3*	
-3.0	-	-	5.8 9.3*	5.8 9.3*	3.0 5.0						2.2 3.1*	5.4
	Outriggers	Blade	9.3* 9.3*	9.3* 9.3*	5.1* 5.1*						3.1* 3.1*	

## Stick 2.45 m

m	Undercarriage stabilized		3.0m		4.5m		6.0m		7.5m		m	
	rear	front										
7.5	-	-			2.2* 2.2*						1.9* 1.9*	4.7
	Outriggers	Blade			2.2* 2.2*						1.9* 1.9*	
6.0	-	-			3.5* 3.5*	2.0* 2.0*					1.7* 1.7*	6.1
	Outriggers	Blade			3.5* 3.5*	2.0* 2.0*					1.7* 1.7*	
4.5	-	-	6.0* 6.0*	6.0* 6.0*	4.0 4.3*	2.5 3.5*					1.7* 1.7*	6.9
	Outriggers	Blade	6.0* 6.0*	6.0* 6.0*	4.3* 4.3*	3.5* 3.5*					1.7* 1.7*	
3.0	-	-	6.8 7.5*	6.8 7.5*	3.8 5.0*	2.4 3.6					1.5 1.7*	7.4
	Outriggers	Blade	7.5* 7.5*	7.5* 7.5*	5.0* 5.0*	3.9 4.0*					1.7* 1.7*	
1.5	-	-	6.6 8.9*	6.6 8.9*	3.7 5.3	2.3 3.5					1.4 1.9*	7.5
	Outriggers	Blade	8.9* 8.9*	8.9* 8.9*	5.7* 5.7*	3.9 4.2*					1.9* 1.9*	
0	-	-	6.7 9.3*	6.7 9.3*	3.7 5.3	2.1 3.4					1.4 2.2*	7.3
	Outriggers	Blade	9.3* 9.3*	9.3* 9.3*	5.7 5.9*	3.7 4.3*					2.2* 2.2*	
-1.5	-	-	6.3 9.5*	6.3 9.5*	3.3 5.3	1.9 3.2					1.6 2.6	6.7
	Outriggers	Blade	9.5* 9.5*	9.5* 9.5*	5.9 6.0*	3.6 4.2*					2.8* 2.8*	
-3.0	-	-	5.9 9.6*	5.9 9.6*	3.0 5.0						2.0 3.0*	5.7
	Outriggers	Blade	9.6* 9.6*	9.6* 9.6*	5.5* 5.5*						3.0* 3.0*	

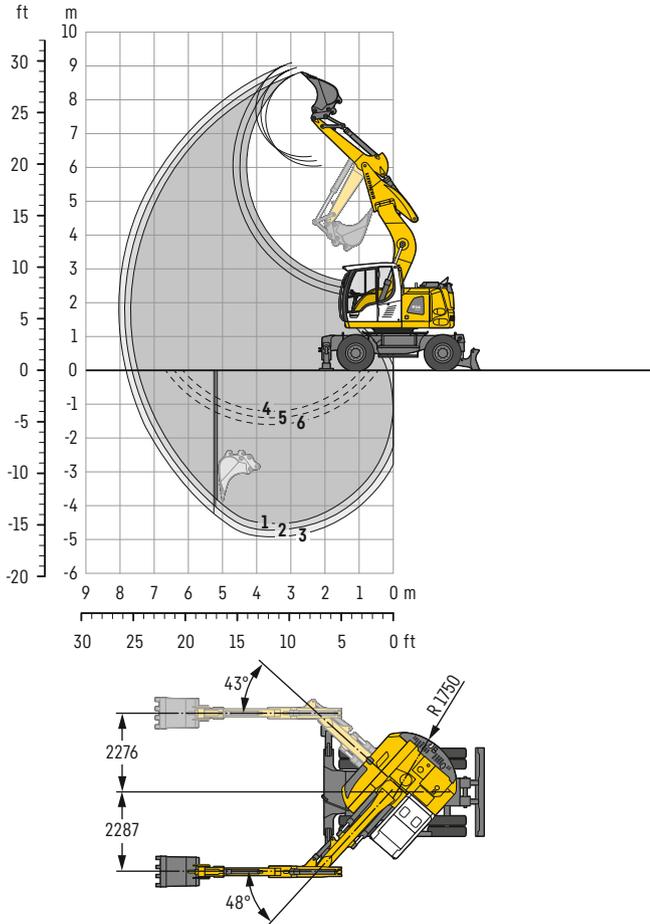
Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

The lift capacities on the load hook of the Liebherr quick coupler SWA 33 without attachment are stated in metric tons (t) and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (±15°) are specified over the steering axle with the 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 hook on the quick coupler (max. 5 t). Without the quick coupler, lift capacities will increase by up to 110 kg.

In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

# Backhoe bucket

with offset mono boom 4.30 m



## Digging envelope

with quick coupler		1	2	3
Stick length	m	2.05	2.25	2.45
Max. digging depth	m	4.55	4.75	4.95
Max. reach at ground level	m	7.45	7.65	7.85
Max. dumping height	m	6.05	6.20	6.35
Max. teeth height	m	8.80	8.95	9.10
Min. equipment radius	m	1.51	1.53	1.56

1 with stick 2.05 m	4 with stick 2.05 m
2 with stick 2.25 m	5 with stick 2.25 m
3 with stick 2.45 m	6 with stick 2.45 m
with set straight boom	at max. equipment offset with vertical ditch walls

## Digging forces

without quick coupler		1	2	3
Max. digging force (ISO 6015)	kN	73.7	68.8	64.5
	t	7.5	7.0	6.6
Max. breakout force (ISO 6015)	kN	85.1	85.1	85.1
	t	8.7	8.7	8.7

Max. breakout force with ripper bucket

124.1kN (12.6t)

## Operating weight

The operating weight includes the basic machine with 8 tyres plus intermediate rings, offset mono boom 4.30 m, stick 2.25 m, quick coupler SWA 33 and bucket 850 mm / 0.50 m<sup>3</sup>.

Undercarriage versions	Weight (kg)
A 914 Compact Litronic with rear outriggers + front blade	16,600
A 914 Compact EW Litronic with rear outriggers + front blade	16,700

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

Cutting width mm	Capacity ISO 7451 <sup>1)</sup> m <sup>3</sup>	Weight kg	Stabilizers raised			Rear outriggers + front blade down			EW Stabilizers raised			EW Rear outriggers + front blade down		
			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)		
			2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45
500 <sup>2)</sup>	0.28	250	■	■	■	■	■	■	■	■	■	■	■	
550 <sup>2)</sup>	0.29	260	■	■	■	■	■	■	■	■	■	■	■	
650 <sup>2)</sup>	0.36	290	■	■	■	■	■	■	■	■	■	■	■	
850 <sup>2)</sup>	0.50	340	■	■	■	■	■	■	■	■	■	■	■	
1,050 <sup>2)</sup>	0.65	380	■	■	■	■	■	■	■	■	■	■	■	
1,250 <sup>2)</sup>	0.80	430	■	■	■	■	■	■	■	■	■	■	■	
500 <sup>3)</sup>	0.30	240	■	■	■	■	■	■	■	■	■	■	■	
550 <sup>3)</sup>	0.31	250	■	■	■	■	■	■	■	■	■	■	■	
650 <sup>3)</sup>	0.39	270	■	■	■	■	■	■	■	■	■	■	■	
850 <sup>3)</sup>	0.53	320	■	■	■	■	■	■	■	■	■	■	■	
1,050 <sup>3)</sup>	0.71	370	■	■	■	■	■	■	■	■	■	■	■	
1,250 <sup>3)</sup>	0.87	420	■	■	■	■	■	■	■	■	■	■	■	

\* 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

<sup>1)</sup> comparable with SAE (heaped)

<sup>2)</sup> Bucket with teeth (also available in HD version)

<sup>3)</sup> Bucket with cutting edge (also available in HD version)

Buckets with 500 mm cutting width with limited digging depth

Max. material weight ■ = ≤ 1.8t/m<sup>3</sup>, ■ = ≤ 1.5t/m<sup>3</sup>, ▲ = ≤ 1.2t/m<sup>3</sup>, - = not authorised

# Lift capacities

## with offset mono boom 4.30 m

### Stick 2.05 m

m	Undercarriage stabilized		3.0 m		4.5 m		6.0 m		7.5 m		m	
	rear	front										
7.5	-	-										
6.0	Outriggers	Blade									4.7	
	-	-			2.6*	2.6*				2.1*	2.1*	
4.5	Outriggers	Blade	5.0*	5.0*	2.6*	2.6*				2.0*	2.0*	5.8
	-	-	5.0*	5.0*	4.4*	4.4*				2.0*	2.0*	
3.0	Outriggers	Blade	5.9	7.3*	3.2	5.2*	2.0	3.2*		1.9	2.1*	6.3
	-	-	5.1	9.4*	2.9	5.2*	3.2*	3.2*		2.1*	2.1*	
1.5	Outriggers	Blade	7.3*	7.3*	5.2*	5.2*	1.9	3.3		1.7	2.4*	6.4
	-	-	5.1	9.4*	2.9	5.2*	1.9	3.3		1.7	2.4*	
0	Outriggers	Blade	9.4*	9.4*	5.5	5.9*	3.6	4.5*		2.4*	2.4*	6.1
	-	-	4.8	9.7*	2.7	4.9	1.8	3.2		1.8	3.1*	
-1.5	Outriggers	Blade	9.7*	9.7*	5.3	6.3*	3.5	4.2*		3.1*	3.1*	5.5
	-	-	4.8	8.6*	2.6	4.9				2.0	3.7	
-3.0	Outriggers	Blade	8.6*	8.6*	5.3	5.8*				4.0	4.5*	4.2
	-	-	4.9	6.1*						3.0	4.5*	
	Outriggers	Blade	6.1*	6.1*						4.5*	4.5*	

### Stick 2.25 m

m	Undercarriage stabilized		3.0 m		4.5 m		6.0 m		7.5 m		m	
	rear	front										
7.5	-	-										
6.0	Outriggers	Blade									5.0	
	-	-			2.8*	2.8*				1.9*	1.9*	
4.5	Outriggers	Blade	4.6*	4.6*	2.8*	2.8*				1.8*	1.8*	6.0
	-	-	4.6*	4.6*	4.2*	4.2*				1.8*	1.8*	
3.0	Outriggers	Blade	6.0	6.9*	3.5	4.2*	2.0	3.4*		1.8	1.9*	6.5
	-	-	6.9*	6.9*	5.0*	5.0*	3.4*	3.4*		1.9*	1.9*	
1.5	Outriggers	Blade	5.2	9.2*	2.9	5.2	1.9	3.3		1.6	2.2*	6.6
	-	-	5.2	9.2*	2.9	5.2	1.9	3.3		1.6	2.2*	
0	Outriggers	Blade	9.2*	9.2*	5.6	5.8*	3.6	4.5*		2.2*	2.2*	6.3
	-	-	4.8	9.7*	2.7	4.9	1.8	3.2		1.7	2.7*	
-1.5	Outriggers	Blade	9.7*	9.7*	5.3	6.2*	3.5	4.5*		2.7*	2.7*	5.7
	-	-	4.7	8.8*	2.6	4.8				1.9	3.4	
-3.0	Outriggers	Blade	8.8*	8.8*	5.2	5.9*				3.7	3.9*	4.4
	-	-	4.9	6.6*						2.7	4.4*	
	Outriggers	Blade	6.6*	6.6*						4.4*	4.4*	4.4

### Stick 2.45 m

m	Undercarriage stabilized		3.0 m		4.5 m		6.0 m		7.5 m		m	
	rear	front										
7.5	-	-										
6.0	Outriggers	Blade									3.4	
	-	-			2.9*	2.9*				1.7*	1.7*	
4.5	Outriggers	Blade			2.9*	2.9*				1.7*	1.7*	5.2
	-	-			3.5	3.9*	2.1*	2.1*		1.7*	1.7*	
3.0	Outriggers	Blade	6.1	6.5*	3.9*	3.9*	2.1*	2.1*		1.7*	1.7*	6.2
	-	-	6.1	6.5*	3.2	4.8*	2.0	3.5		1.7*	1.7*	
1.5	Outriggers	Blade	6.5*	6.5*	4.8*	4.8*	3.5*	3.5*		1.7*	1.7*	6.7
	-	-	5.2	8.9*	2.9	5.2	1.9	3.3		1.6	1.9*	
0	Outriggers	Blade	8.9*	8.9*	5.6	5.7*	3.6	4.4*		1.9*	1.9*	6.8
	-	-	4.8	9.7*	2.7	4.9	1.8	3.2		1.6	2.4*	
-1.5	Outriggers	Blade	9.7*	9.7*	5.3	6.2*	3.5	4.5*		2.4*	2.4*	6.5
	-	-	4.7	9.0*	2.6	4.8				1.8	3.2	
-3.0	Outriggers	Blade	9.0*	9.0*	5.2	5.9*				3.4*	3.4*	5.9
	-	-	4.8	6.9*	2.6	4.6*				2.5	4.3*	
	Outriggers	Blade	6.9*	6.9*	4.6*	4.6*				4.3*	4.3*	4.7

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

The lift capacities on the load hook of the Liebherr quick coupler SWA 33 without attachment are stated in metric tons (t) and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (±15°) are specified over the steering axle with the 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 hook on the quick coupler (max. 5 t). Without the quick coupler, lift capacities will increase by up to 110 kg.

In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

# Lift capacities

with offset mono boom 4.30 m, EW undercarriage

## Stick 2.05 m

m	Undercarriage stabilized		3.0 m		4.5 m		6.0 m		7.5 m		m
	rear	front									
7.5	-	-									
6.0	Outriggers	Blade									4.7
	-	-			2.6*	2.6*				2.1*	2.1*
4.5	Outriggers	Blade	5.0*	5.0*	2.6*	2.6*				2.0*	2.0*
	-	-	5.0*	5.0*	4.4*	4.4*				2.0*	2.0*
3.0	Outriggers	Blade	6.8	7.3*	3.6	5.2*	2.3	3.2*		2.1*	2.1*
	-	-	7.3*	7.3*	5.2*	5.2*	3.2*	3.2*		2.1*	2.1*
1.5	Outriggers	Blade	6.0	9.4*	3.3	5.3	2.2	3.4		2.0	2.4*
	-	-	7.0*	9.4*	3.3	5.3	2.2	3.4		2.0	2.4*
0	Outriggers	Blade	9.4*	9.4*	5.9	5.9*	3.8	4.5*		2.4*	2.4*
	-	-	5.6	9.7*	3.1	5.1	2.1	3.3		2.0	3.1*
-1.5	Outriggers	Blade	9.7*	9.7*	5.7	6.3*	3.7	4.2*		3.1*	3.1*
	-	-	5.6	8.6*	3.1	5.0				2.3	3.8
-3.0	Outriggers	Blade	8.6*	8.6*	5.6	5.8*				4.2	4.5*
	-	-	5.8	6.1*						3.5	4.5*
	Outriggers	Blade	6.1*	6.1*						4.5*	4.5*

## Stick 2.25 m

m	Undercarriage stabilized		3.0 m		4.5 m		6.0 m		7.5 m		m
	rear	front									
7.5	-	-									
6.0	Outriggers	Blade									5.0
	-	-			2.8*	2.8*				1.9*	1.9*
4.5	Outriggers	Blade	4.6*	4.6*	2.8*	2.8*				1.9*	1.9*
	-	-	4.6*	4.6*	4.2*	4.2*				1.8*	1.8*
3.0	Outriggers	Blade	6.9*	6.9*	3.9	4.2*				1.8*	1.8*
	-	-	6.9*	6.9*	4.6*	4.6*				1.8*	1.8*
1.5	Outriggers	Blade	6.0	9.2*	3.3	5.3	2.3	3.4*		1.9*	1.9*
	-	-	6.9*	9.2*	5.0*	5.0*	3.4*	3.4*		1.9*	1.9*
0	Outriggers	Blade	6.0	9.2*	3.3	5.3	2.2	3.4		1.9	2.2*
	-	-	9.2*	9.2*	5.8*	5.8*	3.8	4.5*		2.2*	2.2*
-1.5	Outriggers	Blade	5.6	9.7*	3.1	5.1	2.1	3.3		1.9	2.7*
	-	-	9.7*	9.7*	5.7	6.2*	3.7	4.5*		2.7*	2.7*
-3.0	Outriggers	Blade	5.6	8.8*	3.0	5.0				2.2	3.5
	-	-	8.8*	8.8*	5.6	5.9*				3.9*	3.9*
	Outriggers	Blade	5.7	6.6*						3.2	4.4*
	Outriggers	Blade	6.6*	6.6*						4.4*	4.4*

## Stick 2.45 m

m	Undercarriage stabilized		3.0 m		4.5 m		6.0 m		7.5 m		m
	rear	front									
7.5	-	-									
6.0	Outriggers	Blade									3.4
	-	-			2.9*	2.9*				1.7*	1.7*
4.5	Outriggers	Blade			2.9*	2.9*				1.7*	1.7*
	-	-			3.9	3.9*	2.1*	2.1*		1.7*	1.7*
3.0	Outriggers	Blade	6.5*	6.5*	3.9*	3.9*	2.1*	2.1*		1.7*	1.7*
	-	-	6.5*	6.5*	3.7	4.8*	2.3	3.5*		1.7*	1.7*
1.5	Outriggers	Blade	6.1	8.9*	4.8*	4.8*	3.5*	3.5*		1.7*	1.7*
	-	-	8.9*	8.9*	3.3	5.3	2.2	3.4		1.8	1.9*
0	Outriggers	Blade	8.9*	8.9*	5.7*	5.7*	3.8	4.4*		1.9*	1.9*
	-	-	5.6	9.7*	3.1	5.0	2.1	3.3		1.8	2.4*
-1.5	Outriggers	Blade	9.7*	9.7*	5.7	6.2*	3.7	4.5*		2.4*	2.4*
	-	-	5.5	9.0*	3.0	4.9				2.1	3.3
-3.0	Outriggers	Blade	9.0*	9.0*	5.5	5.9*				3.4*	3.4*
	-	-	5.6	6.9*	3.1	4.6*				2.9	4.3*
	Outriggers	Blade	6.9*	6.9*	4.6*	4.6*				4.3*	4.3*

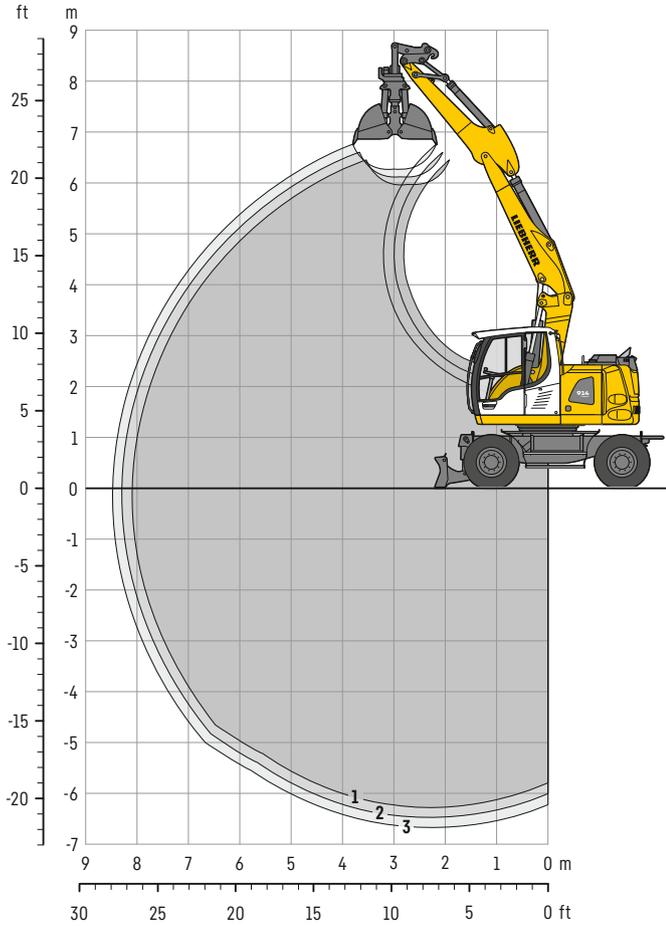
Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

The lift capacities on the load hook of the Liebherr quick coupler SWA 33 without attachment are stated in metric tons (t) and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (±15°) are specified over the steering axle with the 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 hook on the quick coupler (max. 5 t). Without the quick coupler, lift capacities will increase by up to 110 kg.

In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

# Clamshell grab

with two-piece boom 4.85 m



## Digging envelope

with quick coupler	1	2	3
Stick length	m 2.05	2.25	2.45
Max. digging depth	m 6.30	6.50	6.70
Max. reach at ground level	m 8.10	8.30	8.50
Max. dumping height	m 6.00	6.15	6.30

## Operating weight

The operating weight includes the basic machine with 8 tyres plus intermediate rings, two-piece boom 4.85m, stick 2.25m, quick coupler SWA 33 and clamshell grab GM 8B / 0.40m<sup>3</sup> (800mm without ejector).

Undercarriage versions	Weight (kg)
A 914 Compact Litronic with rear blade	15,900
A 914 Compact Litronic with rear outriggers + front blade	17,100
A 914 Compact EW Litronic with rear blade	16,200
A 914 Compact EW Litronic with rear outriggers + front blade	17,200

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

Width of clamshells mm	Capacity m <sup>3</sup>	Weight kg	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 (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)		
			2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45
320 <sup>1)</sup>	0.17	830	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
400 <sup>1)</sup>	0.22	870	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
600 <sup>1)</sup>	0.30	860	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
800 <sup>1)</sup>	0.40	910	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1,000 <sup>1)3)</sup>	0.80	1,010	-	-	-	△	△	-	■	■	■	△	△	△	■	■	■	■	■	■
320 <sup>2)</sup>	0.17	880	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
400 <sup>2)</sup>	0.22	930	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
600 <sup>2)</sup>	0.30	950	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
800 <sup>2)</sup>	0.40	1,020	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

\* 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

<sup>1)</sup> without ejector

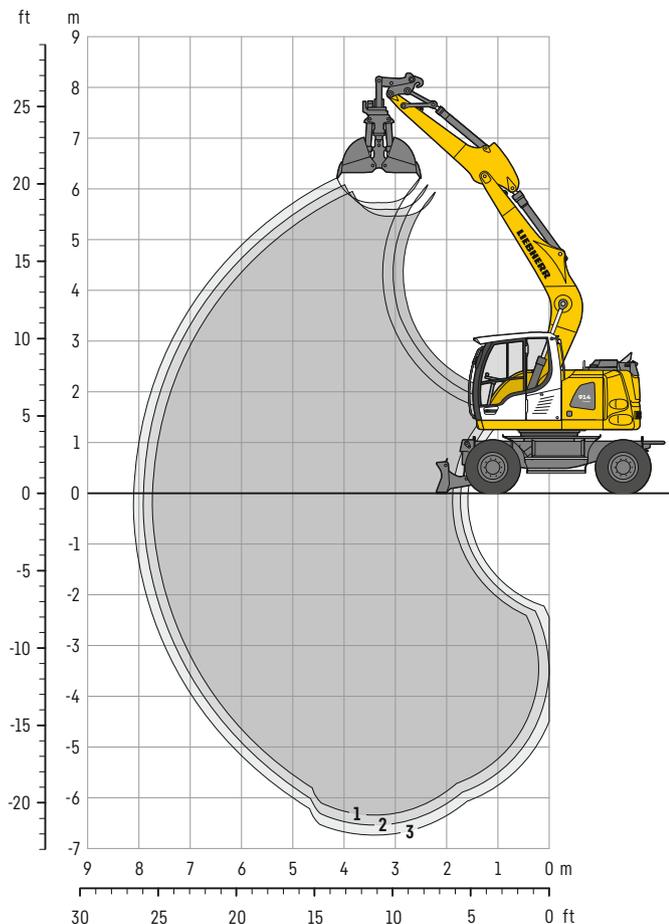
<sup>2)</sup> with ejector

<sup>3)</sup> Shells for loose material

Max. material weight ■ = ≤ 1.8t/m<sup>3</sup>, ■ = ≤ 1.5t/m<sup>3</sup>, △ = ≤ 1.2t/m<sup>3</sup>, - = not authorised

# Clamshell grab

with mono boom 4.60 m



## Digging envelope

with quick coupler	1	2	3
Stick length	m 2.05	2.25	2.45
Max. digging depth	m 6.35	6.55	6.75
Max. reach at ground level	m 7.75	7.90	8.10
Max. dumping height	m 5.45	5.60	5.75

## Operating weight

The operating weight includes the basic machine with 8 tyres plus intermediate rings, mono boom 4.60 m, stick 2.25 m, quick coupler SWA 33 and clamshell grab GM 8B / 0.40 m<sup>3</sup> (800 mm without ejector).

Undercarriage versions	Weight (kg)
A 914 Compact Litronic with rear blade	15,600
A 914 Compact Litronic with rear outriggers + front blade	16,800
A 914 Compact EW Litronic with rear blade	15,800
A 914 Compact EW Litronic with rear outriggers + front blade	16,900

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

Width of clamshells mm	Capacity m <sup>3</sup>	Weight kg	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 (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)		
			2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45
320 <sup>1)</sup>	0.17	830	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
400 <sup>1)</sup>	0.22	870	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
600 <sup>1)</sup>	0.30	860	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
800 <sup>1)</sup>	0.40	910	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1,000 <sup>1)3)</sup>	0.80	1,010	△	△	-	■	△	△	■	■	■	■	△	△	■	■	■	■	■	■
320 <sup>2)</sup>	0.17	880	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
400 <sup>2)</sup>	0.22	930	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
600 <sup>2)</sup>	0.30	950	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
800 <sup>2)</sup>	0.40	1,020	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

\* 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

<sup>1)</sup> without ejector

<sup>2)</sup> with ejector

<sup>3)</sup> Shells for loose material

Max. material weight ■ = ≤ 1.8t/m<sup>3</sup>, ■ = ≤ 1.5t/m<sup>3</sup>, △ = ≤ 1.2t/m<sup>3</sup>, - = not authorised

# Equipments

## Clamshell grabs

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

Width of clamshells mm	Capacity m <sup>3</sup>	Weight kg	Stabilizers raised			Rear outriggers + front blade down			EW Stabilizers raised			EW Rear outriggers + front blade down		
			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)		
			2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45
<b>Offset two-piece boom 4.90m</b>														
320 <sup>1)</sup>	0.17	830	■	■	■	■	■	■	■	■	■	■	■	
400 <sup>1)</sup>	0.22	870	■	■	■	■	■	■	■	■	■	■	■	
600 <sup>1)</sup>	0.30	860	■	■	■	■	■	■	■	■	■	■	■	
800 <sup>1)</sup>	0.40	910	■	■	■	■	■	■	■	■	■	■	■	
1,000 <sup>1) 3)</sup>	0.80	1,010	-	-	-	■	■	■	-	-	-	■	■	
320 <sup>2)</sup>	0.17	880	■	■	■	■	■	■	■	■	■	■	■	
400 <sup>2)</sup>	0.22	930	■	■	■	■	■	■	■	■	■	■	■	
600 <sup>2)</sup>	0.30	950	■	■	■	■	■	■	■	■	■	■	■	
800 <sup>2)</sup>	0.40	1,020	■	■	△	■	■	■	■	■	■	■	■	
<b>Offset mono boom 4.30m</b>														
320 <sup>1)</sup>	0.17	830	■	■	■	■	■	■	■	■	■	■	■	
400 <sup>1)</sup>	0.22	870	■	■	■	■	■	■	■	■	■	■	■	
600 <sup>1)</sup>	0.30	860	■	■	■	■	■	■	■	■	■	■	■	
800 <sup>1)</sup>	0.40	910	■	■	■	■	■	■	■	■	■	■	■	
1,000 <sup>1) 3)</sup>	0.80	1,010	△	△	-	■	■	■	■	■	△	■	■	
320 <sup>2)</sup>	0.17	880	■	■	■	■	■	■	■	■	■	■	■	
400 <sup>2)</sup>	0.22	930	■	■	■	■	■	■	■	■	■	■	■	
600 <sup>2)</sup>	0.30	950	■	■	■	■	■	■	■	■	■	■	■	
800 <sup>2)</sup>	0.40	1,020	■	■	■	■	■	■	■	■	■	■	■	

\* 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

<sup>1)</sup> without ejector

<sup>2)</sup> with ejector

<sup>3)</sup> Shells for loose material

Max. material weight ■ = ≤ 1.8t/m<sup>3</sup>, ■ = ≤ 1.5t/m<sup>3</sup>, △ = ≤ 1.2t/m<sup>3</sup>, - = not authorised

# Equipments

## Ditch cleaning buckets / tilt buckets

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

Cutting width mm	Capacity ISO 7451 <sup>1)</sup> m <sup>3</sup>	Weight kg	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 (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)		
			2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45
<b>Two-piece boom 4.85 m</b>																				
1,500 <sup>3)</sup>	0.50	360	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
1,600 <sup>2)</sup>	0.55	640	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
2,000 <sup>2)</sup>	0.50	660	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
2,000 <sup>3)</sup>	0.48	350	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
2,000 <sup>3)</sup>	0.65	390	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
<b>Mono boom 4.60 m</b>																				
1,500 <sup>3)</sup>	0.50	360	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
1,600 <sup>2)</sup>	0.55	640	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
2,000 <sup>2)</sup>	0.50	660	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
2,000 <sup>3)</sup>	0.48	350	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
2,000 <sup>3)</sup>	0.65	390	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
<b>Offset two-piece boom 4.90 m</b>																				
1,500 <sup>3)</sup>	0.50	360	■	■	■	-	-	-	■	■	■	■	■	■	-	-	-	■	■	■
1,600 <sup>2)</sup>	0.55	640	■	■	■	-	-	-	■	■	■	■	■	■	-	-	-	■	■	■
2,000 <sup>2)</sup>	0.50	660	■	■	■	-	-	-	■	■	■	■	■	■	-	-	-	■	■	■
2,000 <sup>3)</sup>	0.48	350	■	■	■	-	-	-	■	■	■	■	■	■	-	-	-	■	■	■
2,000 <sup>3)</sup>	0.65	390	■	■	■	-	-	-	■	■	■	■	■	■	-	-	-	■	■	■
<b>Offset mono boom 4.30 m</b>																				
1,500 <sup>3)</sup>	0.50	360	■	■	■	-	-	-	■	■	■	■	■	■	-	-	-	■	■	■
1,600 <sup>2)</sup>	0.55	640	■	■	■	-	-	-	■	■	■	■	■	■	-	-	-	■	■	■
2,000 <sup>2)</sup>	0.50	660	■	■	■	-	-	-	■	■	■	■	■	■	-	-	-	■	■	■
2,000 <sup>3)</sup>	0.48	350	■	■	■	-	-	-	■	■	■	■	■	■	-	-	-	■	■	■
2,000 <sup>3)</sup>	0.65	390	■	■	■	-	-	-	■	■	■	■	■	■	-	-	-	■	■	■

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

Cutting width mm	Capacity ISO 7451 <sup>1)</sup> m <sup>3</sup>	Weight kg	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 (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)		
			2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45	2.05	2.25	2.45
<b>Two-piece boom 4.85 m</b>																				
1,500 <sup>2)</sup>	0.60	660	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
<b>Mono boom 4.60 m</b>																				
1,500 <sup>2)</sup>	0.60	660	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
<b>Offset two-piece boom 4.90 m</b>																				
1,500 <sup>2)</sup>	0.60	660	■	■	△	-	-	-	■	■	■	■	■	■	-	-	-	■	■	■
<b>Offset mono boom 4.30 m</b>																				
1,500 <sup>2)</sup>	0.60	660	■	■	■	-	-	-	■	■	■	■	■	■	-	-	-	■	■	■

\* 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

<sup>1)</sup> comparable with SAE (heaped)

<sup>2)</sup> with 2 x 50° rotator

<sup>3)</sup> rigid ditch cleaning bucket

Max. material weight ■ = ≤ 1.8t/m<sup>3</sup>, ■ = ≤ 1.5t/m<sup>3</sup>, △ = ≤ 1.2t/m<sup>3</sup>, - = not authorised

# Equipment

## Undercarriage

Dual-circuit braking system	●
Rear stabilizer blade	+
Rear + front stabilizer blade	+
Lighting trailer coupling	+
Trailer coupling with bolt, automatic	+
Digging brake, automatic	●
Tyres (twin tyres) Liebherr EM 22 290/90-20	+
Tyres (twin tyres) Mitas EM 22	●
Individual control outriggers	+
Travel speed levels (four)	●
Tilt function of trailer, hydraulic	+
Mudguards (rear and front)	+
Load holding valve on each stabilization cylinder	●
Powershift transmission, semiautomatic	●
Parking brake, maintenance-free	●
Rear outriggers + front stabilizer blade	+
Tyres, variants	+
Protection for piston rods, stabilizer cylinder	+
Speeder	+
Storage compartment left	●
Storage compartment right	+
Undercarriage EW 2.75 m / 9'	+
Tool equipment, extended	+

## Uppercarriage

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

## Hydraulic system

Shut-off valve between hydraulic tank and pump(s)	●
Pressure test fittings	●
Accumulator for controlled lowering of the equipment with the engine shut down	●
High pressure circuit, permanent drive	+
Hydraulic oil filter with integrated microfilter	●
Liebherr hydraulic oil from -20°C to +40°C	●
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)	●
Reversible fan drive, fully automatic	+
Automatic engine shut-down (time adjustable)	+
Preheating fuel*	+
Preheating coolant*	+

## Cab

Storage compartment	●
Stabilizer, proportional control on left joystick	●
Cab lights rear, halogen	+
Cab lights rear, LED	+
Cab lights front, halogen (above rain cover)	+
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	+
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	●
Joystick steering	+
Joysticks Premium	+
Automatic air conditioning	●
Fuel consumption indicator	●
Electric cool box (12V)	+
Steering wheel, wide version (cost-neutral option)	+
Steering column adjustable horizontally	●
LiDAT, vehicle fleet management	●
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 windscreen	●
Door with sliding window	●
FOPS top guard	+
FGPS front guard, tiltable	+
Right side window and windshield made from laminated safety glass	●
Sun visor	+
Sun blind	●
Auxiliary heating, adjustable (week time switch)	+
Left control console, folding	●
Electronic immobilizer	+
Cigarette lighter	●



## Equipment

Boom lights, 2 pieces, halogen	●
Boom lights, 2 pieces, LED	+
Stick lights, 2 pieces, LED	+
Travel vibration damper	+
High pressure circuit incl. unpressurised return line and Tool Control	+
Electronic lift limitation	+
Security for hoist cylinder for hydraulic attachments	+
Hydraulic circuit, extended	+
Load holding valve tipping cylinder	+
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	+
Mowing-bucket operation	+
Medium pressure circuit incl. lines	+
Mono boom	+
Offset mono boom	+
Pipe fracture safety valves hoist cylinders	●
Pipe fracture safety valve stick cylinder	●
Hose quick coupling at end of stick	●
Quick coupling system Solidlink	+
Protection for piston rod, adjusting 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

<b>Machine guidance system</b>	
Machine guidance 2D iCON IXE2 passive Leica designed for Liebherr	+
Machine guidance 3D iCON IXE3 passive Leica designed for Liebherr	+
Preparation	+
<b>Lubrication</b>	
Lubrication undercarriage, manually – decentralised (grease points)	●
Lubrication undercarriage, manually – centralised (one grease point)	+
Central lubrication system for uppercarriage and equipment, automatically (without quick coupler and connecting link)*	●
Centralised lubrication extended for quick coupler	+
Centralised lubrication extended for connecting link	+
<b>Special coating</b>	
Custom painting for attachments	+
Special coating, variants	+
<b>Monitoring</b>	
Camera on the stick (bottom belt)	+
Rear view monitoring with camera	●
Side view monitoring with camera	●
Skyview 360° (side camera not available)	+

● = Standard, + = Option

\* = country-dependent

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.

