

# Product Information Wheeled Excavator

## A 913 Compact

Litronic®

### Generation

6

### Operating Weight

13,600 – 15,300 kg

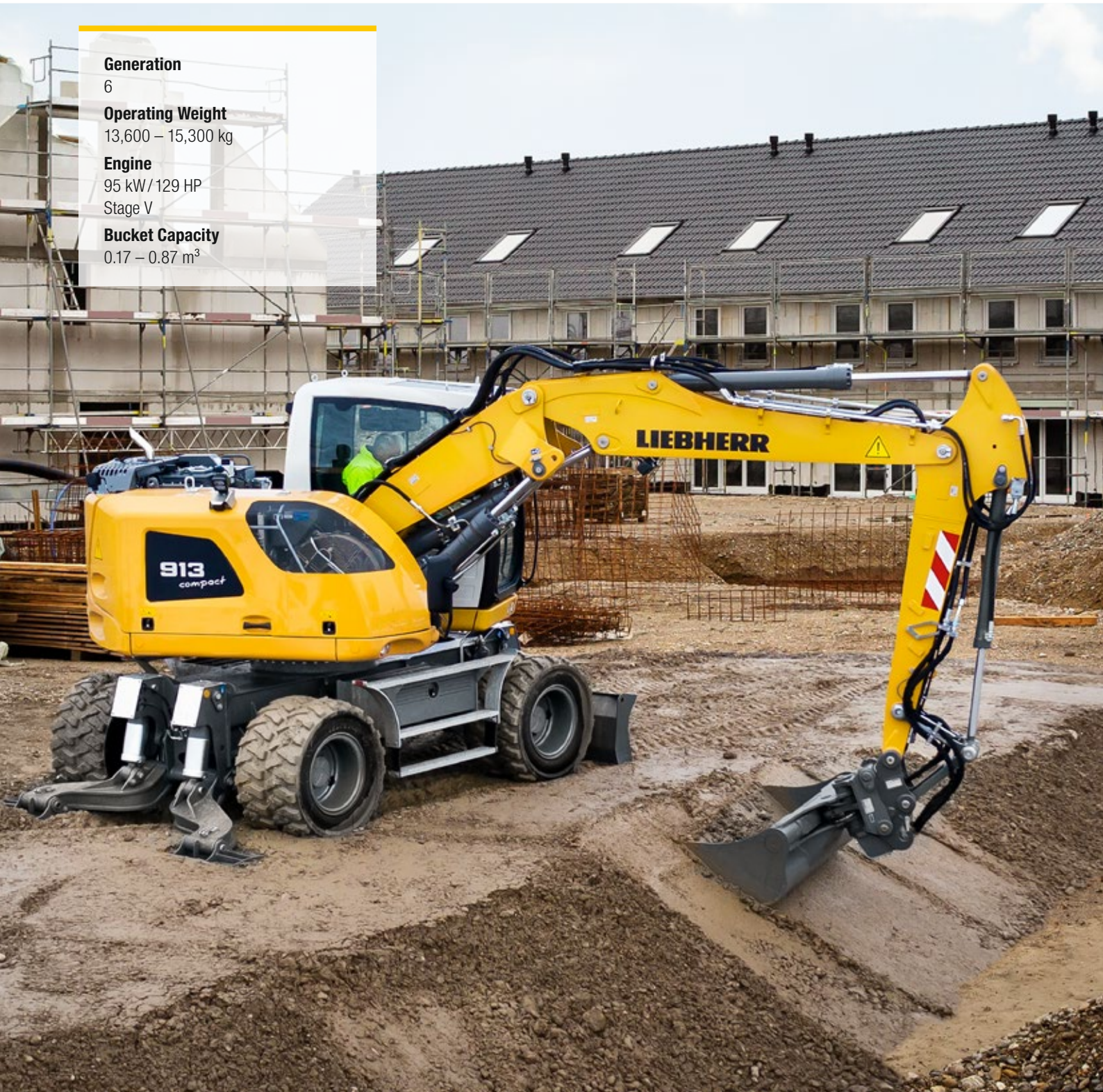
### Engine

95 kW / 129 HP

Stage V

### Bucket Capacity

0.17 – 0.87 m<sup>3</sup>



# LIEBHERR



## Performance

Compact, Flexible – Perfect Combination  
for Maximum Performance

## Economy

A Sound Investment – Optimum Economy  
and Environmentally Friendly

### Operating Weight

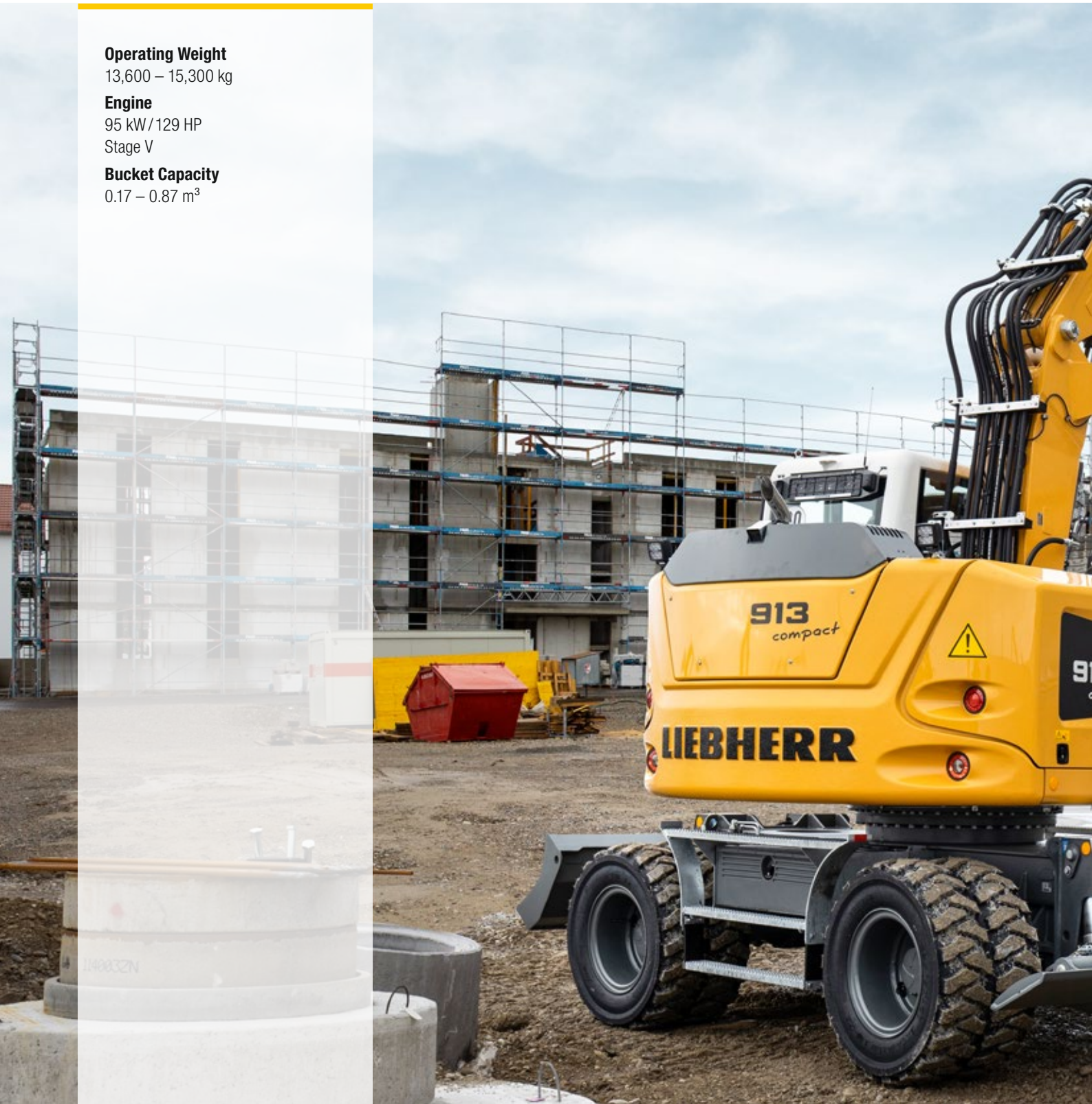
13,600 – 15,300 kg

### Engine

95 kW/129 HP  
Stage V

### Bucket Capacity

0.17 – 0.87 m<sup>3</sup>





## 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





# Well Thought Out to the Last Detail







#### **Four-wheel Steering & Crab Steering**

- Considerably increased flexibility and agility
- Comfortable and quick implementing, even under constricted conditions
- Recommended for works in urban or narrow areas



#### **Less is More**

- Extended range of possible applications due to a short tail swing radius of only 1.70 m
- Greater safety for man and machine
- Liebherr compact wheeled excavators: short and safe



#### **Mudguards**

- Less cleaning of the machine
- Reduced damage on the upper carriage by thrown up stones

# Convincing in Operation



## Performance

### Compact All-rounder

The new A 913 Compact is a strong and versatile all-rounder. Whether it's a large civil engineering project or in a cramped city construction site this 14 tonne machine has a powerful engine and a flexible under carriage making it an ideal work horse for all sites.

### Be Faster

The efficient 4 cylinder Deutz engine makes it possible to work quickly and efficiently. The optional joystick steering enables the operator to work and travel simultaneously, without moving hand positions, to give enhanced productivity.

## Economy

### Emission Standard V

The Deutz Diesel engine TCD3.6L4 is environmentally friendly thanks to its low fuel consumption and reduced emissions. To comply with stage V emission standards Liebherr uses an innovative SCR system (selective catalytic reduction) with diesel particle filter which doesn't reduce machine performance.

### Liebherr Working Tools and LIKUFIX

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 LIKUFIX hydraulic quick coupling system. The combination of a hydraulic Liebherr quick coupling system with the LIKUFIX coupling block permits fast safe changing of mechanical and hydraulic working tools from the operator's cabin. This boosts productivity on average by 30%.



## Reliability

### **Quality and Competence**

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

### **Robust Construction**

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

### **Maximum Stability**

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

## Comfort

### **Ergonomic Design**

The modern cab design provides excellent conditions for healthy, concentrated and productive work in maximum comfort. The display unit with touchscreen, the controls and driver's seat are all coordinated to form a perfect ergonomic unit. In addition the ergonomic joysticks allow the machine operation to be both pleasant and precise.

### **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.

### **Smooth Operation**

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

## Maintainability

### **Integral Maintenance Benefits**

Completing maintenance work helps keep the machine fully functional. Maintenance work does, however, mean machine down times which must be minimised. Automatic central lubrication systems for attachment and the uppercarriage as well as optional systems for the undercarriage, quick coupling system and working tools not only make it easier to observe the recommended lubrication intervals and ensure a long service life for the components, but also increase the productivity of the machine.

### **Service**

A speedy response time when service or maintenance is required keeps downtime to a minimum. Spare parts have 98 % availability and are delivered within 24 hours. The field service technicians, trained by Liebherr, come to site to carry out service and maintenance work quickly and in line with the manufacturer's specifications.

### **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.

# Technical Data



## Diesel Engine

<b>Rating per ISO 9249</b>	95 kW (129 HP) at 1,800 RPM
<b>Model</b>	Deutz TCD3.6L4
<b>Type</b>	4 cylinder in-line
Bore/Stroke	98/120 mm
Displacement	3.6 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>	
Voltage	24 V
Batteries	2 x 135 Ah/12 V
Alternator	three-phase current 28 V/80 A
<b>Stage V</b>	
Harmful emissions values	according to regulation (EU) 2016/1628
Emission control	Deutz DOC/DPF + SCR
Fuel tank	175 l
Urea tank	20 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>	
Equipment and swing	with hydraulic pilot control and proportional joystick levers
Chassis	electroproportional via foot pedal
<b>Proportional control</b>	proportionally acting transmitters on the joysticks for additional hydraulic functions



## Hydraulic System

<b>Hydraulic pump</b>	for equipment and travel drive Liebherr axial piston variable displacement pump
Max. flow	250 l/min.
Max. pressure	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>	100 l
<b>Hydraulic system</b>	max. 230 l
<b>Hydraulic oil filter</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
S (Sensitive)	mode for precision work and lifting through very sensitive movements
E (Eco)	mode for especially economical and environmentally friendly operation
P (Power)	mode for high performance with low fuel consumption
<b>Engine speed and performance setting</b>	stepless alignment of engine output and hydraulic power via engine speed
Option	Tool Control: 20 preadjustable 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





## Operator's Cab

<b>Cab</b>	ROPS safety cab structure (roll-over protection system) with individual windscreens or featuring a slide-in subpart under the ceiling, work headlights integrated in the ceiling, a door with a sliding window (can be opened on both sides), large stowing and depositing possibilities, shock-absorbing suspension, sounddamping insulating, tinted laminated safety glass, separate window shades for the sunroof window and windscreen
<b>Operator's seat Standard</b>	air cushioned operator's seat with 3D-adjustable armrests, headrest, lap belt, seat heater, manual weight adjustment, adjustable seat cushion inclination and length and mechanical lumbar vertebrae support
<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 re-adjustment), pneumatic low frequency suspension and active seat climatisation with active coal and ventilator
<b>Control system</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 including demisting (optional). Automatic heating and ventilation system (standard): fast de-icing 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; designed for extreme outside temperatures, sensors for solar radiation, inside and outside temperatures
Refrigerant	R134a
Global warming potential	1,430
Quantity at 25 °C	1,300 g
CO <sub>2</sub> equivalent	1.859 t
<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>	84 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. 25.0 or 35.0 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>Option</b>	Four wheel steering
<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 outriggers rear outriggers + front stabilizer blade rear two-piece stabilizer blade rear two-piece + front stabilizer blade



## Equipment

<b>Type</b>	high-strength steel plates at highlystressed points for the toughest requirements. Complex and stable mountings of equipment and cylinders
<b>Hydraulic cylinders</b>	Liebherr cylinders with special seal system
<b>Bearings</b>	sealed, low maintenance

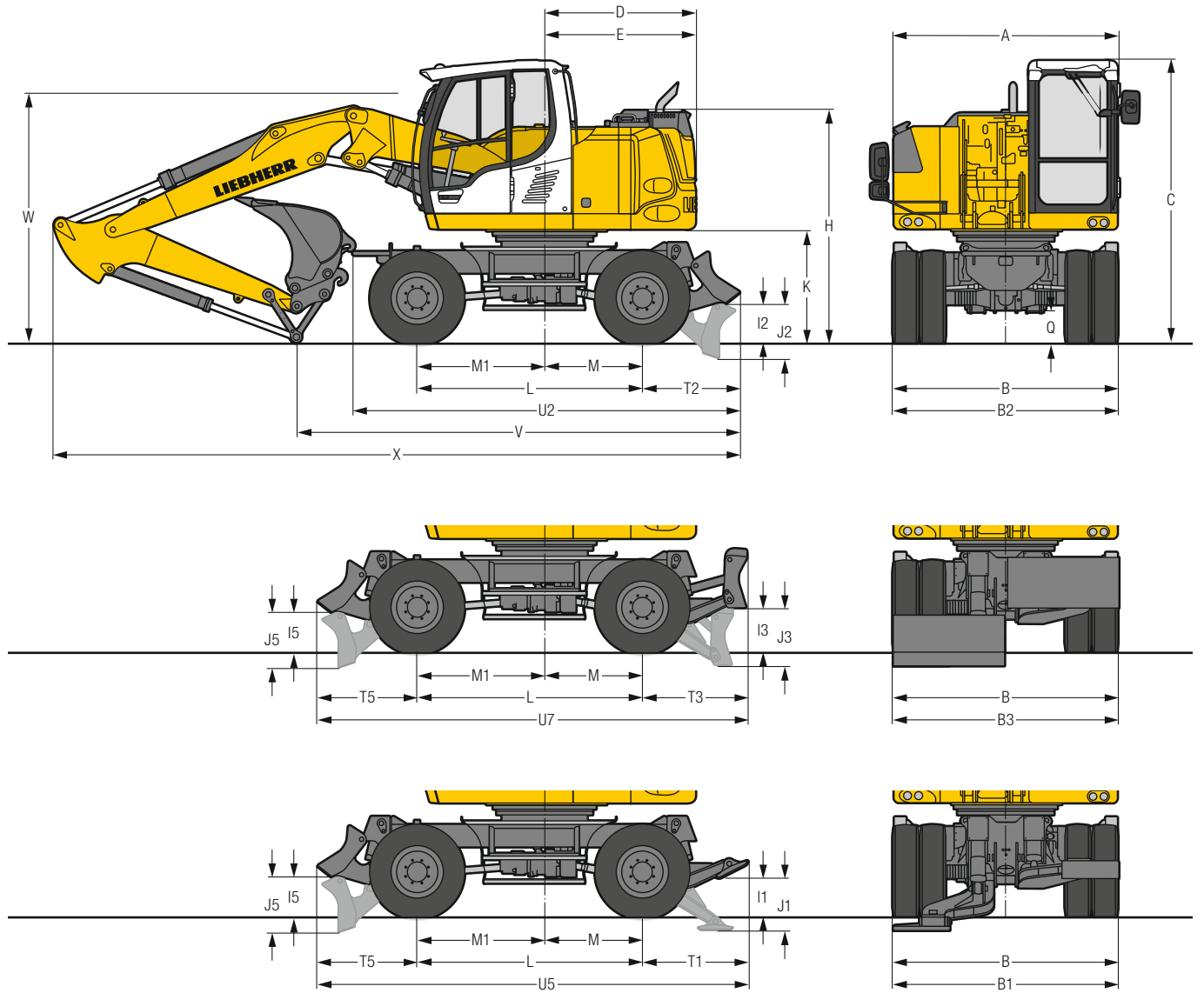


## Complete Machine

<b>Lubrication</b>	Liebherr central lubrication system for upper-carriage and equipment, automatically	
<b>Noise emission</b>		
ISO 6396	L <sub>PA</sub> (inside cab)	= 71 dB(A)
2000/14/EC	L <sub>WA</sub> (surround noise)	= 99 dB(A)

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

# Dimensions





	mm
A	2,525
B	2,550
B1	2,550
B2	2,550
B3	2,550
C	3,195
D	1,700
E	1,700
H	2,625
I1	430
I2	445
I3	495
I5	445
J1	585
J2	625
J3	650
J5	625
K	1,275
L	2,540
M	1,100
M1	1,440
Q	360
T1	1,190
T2	1,105
T3	1,175
T5	1,125
U2	4,375
U5	4,855
U7	4,840

E = Tail radius  
Tyres 10.00-20

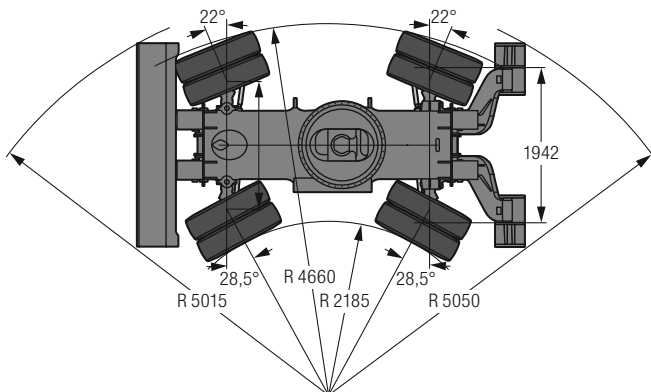
Stick	Two-piece boom 4.65 m				
	Rear blade	Rear outriggers	Rear outriggers + front blade	Rear two-piece blade	Rear two-piece + front blade
m	mm	mm	mm	mm	mm
V	2.05	5,400	5,500	5,500	5,500
	2.25	5,050	5,100	5,400*	5,100
	2.45	5,150	5,250	5,500*	5,250
W	2.05	2,900	2,900	2,900	2,900
	2.25	2,850	2,850	2,850*	2,850
	2.45	3,000	3,000	3,000*	3,000
X	2.05	7,800	7,850	7,850	7,850
	2.25	7,750	7,850	8,150*	7,850
	2.45	7,800	7,900	8,150*	7,900

Stick	Offset two-piece boom 4.70 m	
	Rear outriggers + front blade	Rear two-piece + front blade
m	mm	mm
V	2.05	6,050
	2.25	5,500
	2.45	5,650*
W	2.05	3,200
	2.25	3,150
	2.45	3,200*
X	2.05	7,900
	2.25	7,850
	2.45	8,200*

Dimensions are with equipment over steering axle

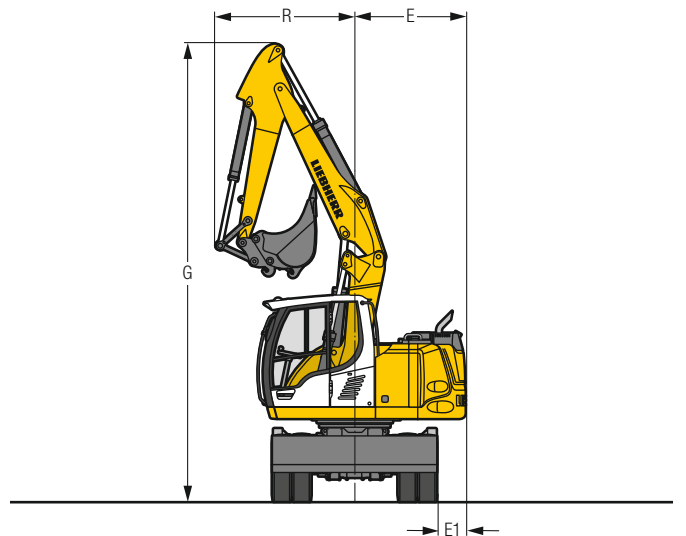
\* Equipment over digging axle for shorter transport dimensions

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



**Min. turning radius on tyres 10.00-20**

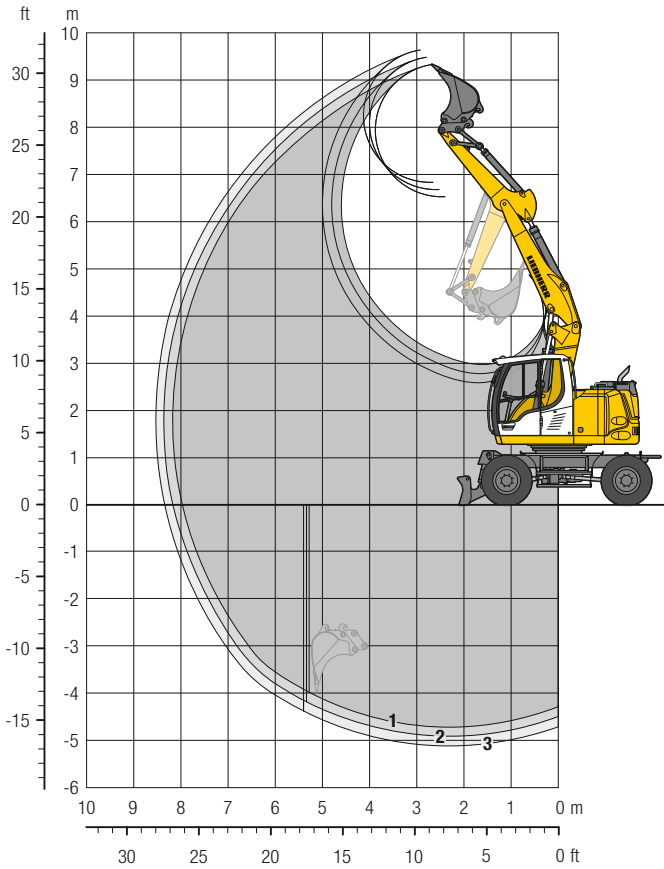
Four wheel steering 4.66 m      Front wheel steering 7.26 m



Boom	Stick m	G mm	R mm	E mm	E1 mm
Two-piece boom 4.65 m	2.05	7,050	2,040	1,700	430
Two-piece boom 4.65 m	2.25	7,050	2,090	1,700	430
Two-piece boom 4.65 m	2.45	7,050	2,140	1,700	430

# Backhoe Bucket

## with Two-Piece Boom 4.65 m



### Digging Envelope

with quick coupler		1	2	3
Stick length	m	2.05	2.25	2.45
Max. digging depth	m	4.70	4.90	5.10
Max. reach at ground level	m	8.00	8.15	8.35
Max. dumping height	m	6.50	6.65	6.85
Max. teeth height	m	9.35	9.50	9.65
Min. equipment radius	m	2.04	2.09	2.14

### Digging Forces

without quick coupler		1	2	3
Max. digging force (ISO 6015)	kN	67.5	62.9	59.0
	t	6.9	6.4	6.0
Max. breakout force (ISO 6015)	kN	76.4	76.4	76.4
	t	7.8	7.8	7.8

Max. breakout force with ripper bucket 102.2 kN (10.4 t)

### Operating Weight

The operating weight includes the basic machine with 8 tyres plus intermediate rings, two-piece boom 4.65 m, stick 2.25 m, quick coupler SWA 33 and bucket 650 mm/0.36 m<sup>3</sup>.

Undercarriage versions	Weight (kg)
A 913 Compact Litronic with rear blade	13,800
A 913 Compact Litronic with rear outriggers	13,900
A 913 Compact Litronic with rear outriggers + front blade	14,400
A 913 Compact Litronic with rear two-piece blade	14,100
A 913 Compact Litronic with rear two-piece + front blade	14,700

### 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 blade down			Rear outriggers down			Rear outriggers + front blade down			Rear two-piece blade down			Rear two-piece + 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 ■ = ≤ 1.8 t/m<sup>3</sup>, ■ = ≤ 1.5 t/m<sup>3</sup>, △ = ≤ 1.2 t/m<sup>3</sup>, - = not authorised



# Lift Capacities

## with Two-Piece Boom 4.65 m

### Stick 2.05 m

m	Undercarriage stabilized		3.0 m		4.0 m		5.0 m		6.0 m		7.0 m		m	
	rear	front												
8.0	—	—												
	Blade	—												
	Outriggers	—												
	Outriggers	Blade												
	Two-piece blade	Blade												
7.0	—	—			2.7*	2.7*							1.9*	1.9*
	Blade	—			2.7*	2.7*							1.9*	1.9*
	Outriggers	—			2.7*	2.7*							1.9*	1.9*
	Outriggers	Blade			2.7*	2.7*							1.9*	1.9*
	Two-piece blade	Blade			2.7*	2.7*							1.9*	1.9*
6.0	—	—			3.5*	3.5*	2.6	2.7*					1.8*	1.8*
	Blade	—			3.5*	3.5*	2.7*	2.7*					1.8*	1.8*
	Outriggers	—			3.5*	3.5*	2.7*	2.7*					1.8*	1.8*
	Outriggers	Blade			3.5*	3.5*	2.7*	2.7*					1.8*	1.8*
	Two-piece blade	Blade			3.5*	3.5*	2.7*	2.7*					1.8*	1.8*
5.0	—	—			3.8	4.1*	2.6	3.6*	1.9	2.1*			1.7*	1.7*
	Blade	—			4.1*	4.1*	2.9	3.6*	2.1*	2.1*			1.7*	1.7*
	Outriggers	—			4.1*	4.1*	2.9	3.6*	2.1*	2.1*			1.7*	1.7*
	Outriggers	Blade			4.1*	4.1*	3.5	3.6*	2.1*	2.1*			1.7*	1.7*
	Two-piece blade	Blade			4.1*	4.1*	3.0	3.6*	2.1*	2.1*			1.7*	1.7*
4.0	—	—	5.7	6.1*	3.7	5.1*	2.7	4.2	1.9	3.1			1.6	1.7*
	Blade	—	6.1*	6.1*	4.1	5.1*	2.9	4.4*	2.1	3.2*			1.7*	1.7*
	Outriggers	—	6.1*	6.1*	4.1	5.1*	3.0	4.4*	2.1	3.2*			1.7*	1.7*
	Outriggers	Blade	6.1*	6.1*	4.8	5.1*	3.5	4.4*	2.5	3.2*			1.7*	1.7*
	Two-piece blade	Blade	6.1*	6.1*	4.2	5.1*	3.0	4.4*	2.1	3.2*			1.7*	1.7*
3.0	—	—	5.5	7.8*	3.7	5.8*	2.6	4.2	1.9	3.1			1.4	1.8*
	Blade	—	6.2	7.8*	4.1	5.8*	2.9	4.7*	2.1	4.1*			1.6	1.8*
	Outriggers	—	6.2	7.8*	4.1	5.8*	2.9	4.7*	2.1	4.1*			1.6	1.8*
	Outriggers	Blade	7.4	7.8*	4.8	5.8*	3.5	4.7*	2.5	4.1*			1.8*	1.8*
	Two-piece blade	Blade	6.2	7.8*	4.1	5.8*	3.0	4.7*	2.1	4.1*			1.6	1.8*
2.0	—	—	5.5	8.8*	3.6	5.8	2.6	4.2	1.8	3.1			1.4	1.9*
	Blade	—	6.1	8.8*	4.0	6.3*	2.9	5.0*	2.0	4.2*			1.5	1.9*
	Outriggers	—	6.1	8.8*	4.0	6.3*	2.9	5.0*	2.1	4.2*			1.5	1.9*
	Outriggers	Blade	7.3	8.8*	4.7	6.3*	3.4	5.0*	2.5	4.2*			1.9*	1.9*
	Two-piece blade	Blade	6.1	8.8*	4.1	6.3*	2.9	5.0*	2.1	4.2*			1.6	1.9*
1.0	—	—	5.4	9.0*	3.6	5.7	2.5	4.1	1.7	3.0			1.3	2.1*
	Blade	—	6.1	9.0*	4.0	6.6*	2.8	5.2*	2.0	4.2*			1.5	2.1*
	Outriggers	—	6.1	9.0*	4.0	6.6*	2.8	5.2*	2.0	4.2*			1.5	2.1*
	Outriggers	Blade	7.3	9.0*	4.7	6.6*	3.3	5.2*	2.4	4.2*			1.9	2.1*
	Two-piece blade	Blade	6.1	9.0*	4.1	6.6*	2.8	5.2*	2.0	4.2*			1.5	2.1*
0	—	—	5.2	9.1	3.4	5.8	2.3	4.0	1.7	2.9			1.4	2.3*
	Blade	—	5.9	9.2*	3.8	6.6*	2.6	5.2*	1.9	4.2*			1.6	2.3*
	Outriggers	—	5.9	9.2*	3.8	6.6*	2.6	5.2*	1.9	4.2*			1.6	2.3*
	Outriggers	Blade	7.3	9.2*	4.7	6.6*	3.2	5.2*	2.3	4.2*			1.9	2.3*
	Two-piece blade	Blade	6.0	9.2*	3.9	6.6*	2.7	5.2*	1.9	4.2*			1.6	2.3*
-1.0	—	—	5.0	9.2*	3.2	5.7	2.2	3.9	1.6	2.9			1.5	2.6
	Blade	—	5.7	9.2*	3.6	6.7*	2.5	5.3*	1.8	3.9*			1.7	2.8*
	Outriggers	—	5.7	9.2*	3.6	6.7*	2.5	5.3*	1.8	3.9*			1.7	2.8*
	Outriggers	Blade	7.1	9.2*	4.4	6.7*	3.1	5.3*	2.3	3.9*			2.1	2.8*
	Two-piece blade	Blade	5.8	9.2*	3.7	6.7*	2.5	5.3*	1.9	3.9*			1.7	2.8*
-2.0	—	—	4.8	9.4	3.0	5.5	2.1	3.8					1.7	3.0
	Blade	—	5.5	9.5*	3.4	6.7*	2.4	4.7*					1.9	3.2*
	Outriggers	—	5.5	9.5*	3.4	6.7*	2.4	4.7*					1.9	3.2*
	Outriggers	Blade	6.9	9.5*	4.2	6.7*	3.0	4.7*					2.4	3.2*
	Two-piece blade	Blade	5.6	9.5*	3.5	6.7*	2.4	4.7*					1.9	3.2*
-3.0	—	—	4.6	7.9*	2.9	5.0*							2.2	3.0*
	Blade	—	5.3	7.9*	3.3	5.0*							2.5	3.0*
	Outriggers	—	5.3	7.9*	3.3	5.0*							2.5	3.0*
	Outriggers	Blade	6.7	7.9*	4.1	5.0*							3.0*	3.0*
	Two-piece blade	Blade	5.4	7.9*	3.4	5.0*							2.5	3.0*
-4.0	—	—	6.9	7.9*	4.3	5.0*							3.0*	3.0*
	Blade	—												
	Outriggers	—												
	Outriggers	Blade												
	Two-piece blade	Blade												

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













The lift capacities on the load lift hook of the Liebherr quick coupler SWA 33 without attachment are stated in 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 stabilizers raised and over the rigid axle with the stabilizers down. The values apply when the adjusting cylinder is in the optimal position. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity, or are limited by the permissible load of the load lift hook on the quick coupler (max. 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 lift hook and a lift capacity chart.

# Lift Capacities

## with Two-Piece Boom 4.65 m

### Stick 2.25 m

m	Undercarriage stabilized		3.0 m		4.0 m		5.0 m		6.0 m		7.0 m		m		
	rear	front													
8.0	—	—											2.1*	2.1*	3.2
	Blade	—											2.1*	2.1*	
	Outriggers	—											2.1*	2.1*	
	Outriggers	Blade											2.1*	2.1*	
	Two-piece blade	Blade											2.1*	2.1*	
7.0	—	—			2.8*	2.8*							1.8*	1.8*	4.8
	Blade	—			2.8*	2.8*							1.8*	1.8*	
	Outriggers	—			2.8*	2.8*							1.8*	1.8*	
	Outriggers	Blade			2.8*	2.8*							1.8*	1.8*	
	Two-piece blade	Blade			2.8*	2.8*							1.8*	1.8*	
6.0	—	—			3.3*	3.3*	2.6	2.8*					1.6*	1.6*	5.7
	Blade	—			3.3*	3.3*	2.8*	2.8*					1.6*	1.6*	
	Outriggers	—			3.3*	3.3*	2.8*	2.8*					1.6*	1.6*	
	Outriggers	Blade			3.3*	3.3*	2.8*	2.8*					1.6*	1.6*	
	Two-piece blade	Blade			3.3*	3.3*	2.8*	2.8*					1.6*	1.6*	
5.0	—	—			3.7*	3.7*	2.7	3.4*	1.9	2.4*			1.6*	1.6*	6.3
	Blade	—			3.7*	3.7*	3.0	3.4*	2.1	2.4*			1.6*	1.6*	
	Outriggers	—			3.7*	3.7*	3.0	3.4*	2.1	2.4*			1.6*	1.6*	
	Outriggers	Blade			3.7*	3.7*	3.4*	3.4*	2.4*	2.4*			1.6*	1.6*	
	Two-piece blade	Blade			3.7*	3.7*	3.0	3.4*	2.2	2.4*			1.6*	1.6*	
4.0	—	—	5.0*	5.0*	3.7*	4.7*	2.7	4.2*	1.9	3.1			1.5	1.6*	6.8
	Blade	—	5.0*	5.0*	4.1	4.7*	3.0	4.2*	2.1	3.2*			1.6*	1.6*	
	Outriggers	—	5.0*	5.0*	4.1	4.7*	3.0	4.2*	2.1	3.2*			1.6*	1.6*	
	Outriggers	Blade	5.0*	5.0*	4.7*	4.7*	3.5	4.2*	2.6	3.2*			1.6*	1.6*	
	Two-piece blade	Blade	5.0*	5.0*	4.2	4.7*	3.0	4.2*	2.2	3.2*			1.6*	1.6*	
3.0	—	—	5.5	7.5*	3.6	5.6*	2.7	4.2	1.9	3.1	1.4	1.7*	1.4	1.6*	7.0
	Blade	—	6.2	7.5*	4.0	5.6*	2.9	4.6*	2.1	4.0*	1.6	1.7*	1.5	1.6*	
	Outriggers	—	6.2	7.5*	4.0	5.6*	3.0	4.6*	2.1	4.0*	1.6	1.7*	1.5	1.6*	
	Outriggers	Blade	7.4	7.5*	4.8	5.6*	3.5	4.6*	2.5	4.0*	1.7*	1.7*	1.6*	1.6*	
	Two-piece blade	Blade	6.2	7.5*	4.1	5.6*	3.0	4.6*	2.1	4.0*	1.6	1.7*	1.6	1.6*	
2.0	—	—	5.4	8.7*	3.6	5.7	2.6	4.1	1.8	3.1	1.3	2.2*	1.3	1.7*	7.1
	Blade	—	6.1	8.7*	4.0	6.2*	2.9	4.9*	2.1	4.1*	1.5	2.2*	1.5	1.7*	
	Outriggers	—	6.1	8.7*	4.0	6.2*	2.9	4.9*	2.1	4.1*	1.5	2.2*	1.5	1.7*	
	Outriggers	Blade	7.2	8.7*	4.7	6.2*	3.4	4.9*	2.5	4.1*	1.9	2.2*	1.7*	1.7*	
	Two-piece blade	Blade	6.1	8.7*	4.0	6.2*	2.9	4.9*	2.1	4.1*	1.6	2.2*	1.5	1.7*	
1.0	—	—	5.4	8.9*	3.6	5.7	2.5	4.1	1.8	3.0	1.3	2.3	1.3	1.8*	7.1
	Blade	—	6.0	8.9*	4.0	6.6*	2.8	5.1*	2.0	4.2*	1.5	2.3*	1.4	1.8*	
	Outriggers	—	6.0	8.9*	4.0	6.6*	2.8	5.1*	2.0	4.2*	1.5	2.3*	1.4	1.8*	
	Outriggers	Blade	7.2	8.9*	4.7	6.6*	3.3	5.1*	2.4	4.2*	1.8	2.3*	1.8	1.8*	
	Two-piece blade	Blade	6.1	8.9*	4.0	6.6*	2.8	5.1*	2.0	4.2*	1.5	2.3*	1.5	1.8*	
0	—	—	5.2	9.0	3.4	5.8	2.4	4.0	1.7	2.9			1.3	2.1*	6.9
	Blade	—	6.0	9.1*	3.8	6.6*	2.7	5.2*	1.9	4.2*			1.5	2.1*	
	Outriggers	—	6.0	9.1*	3.8	6.6*	2.7	5.2*	1.9	4.2*			1.5	2.1*	
	Outriggers	Blade	7.3	9.1*	4.7	6.6*	3.2	5.2*	2.3	4.2*			1.8	2.1*	
	Two-piece blade	Blade	6.1	9.1*	3.9	6.6*	2.7	5.2*	1.9	4.2*			1.5	2.1*	
-1.0	—	—	5.0	9.1	3.2	5.7	2.2	3.9	1.6	2.9			1.4	2.4*	6.6
	Blade	—	5.7	9.2*	3.7	6.7*	2.5	5.2*	1.8	4.0*			1.6	2.4*	
	Outriggers	—	5.7	9.2*	3.7	6.7*	2.5	5.2*	1.8	4.0*			1.6	2.4*	
	Outriggers	Blade	7.1	9.2*	4.5	6.7*	3.1	5.2*	2.3	4.0*			2.0	2.4*	
	Two-piece blade	Blade	5.8	9.2*	3.7	6.7*	2.5	5.2*	1.9	4.0*			1.6	2.4*	
-2.0	—	—	4.8	9.4*	3.0	5.5	2.1	3.8	1.6	2.8			1.6	2.8	6.0
	Blade	—	5.6	9.4*	3.4	6.8*	2.4	4.9*	1.8	3.2*			1.8	3.1*	
	Outriggers	—	5.6	9.4*	3.4	6.8*	2.4	4.9*	1.8	3.2*			1.8	3.1*	
	Outriggers	Blade	7.0	9.4*	4.3	6.8*	3.0	4.9*	2.2	3.2*			2.2	3.1*	
	Two-piece blade	Blade	5.6	9.4*	3.5	6.8*	2.4	4.9*	1.8	3.2*			1.8	3.1*	
-3.0	—	—	4.6	8.4*	2.9	5.4	2.1	3.3*					1.9	2.8*	5.2
	Blade	—	5.3	8.4*	3.3	5.5*	2.4	3.3*					2.2	2.8*	
	Outriggers	—	5.3	8.4*	3.3	5.5*	2.4	3.3*					2.2	2.8*	
	Outriggers	Blade	6.7	8.4*	4.1	5.5*	2.9	3.3*					2.7	2.8*	
	Two-piece blade	Blade	5.4	8.4*	3.4	5.5*	2.4	3.3*					2.2	2.8*	
-4.0	—	—	6.9	8.4*	4.2	5.5*	3.0	3.3*					2.8*	2.8*	
	Blade	—													
	Outriggers	—													
	Outriggers	Blade													
	Two-piece blade	Blade													













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





The lift capacities on the load lift hook of the Liebherr quick coupler SWA 33 without attachment are stated in 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 stabilizers raised and over the rigid axle with the stabilizers down. The values apply when the adjusting cylinder is in the optimal position. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity, or are limited by the permissible load of the load lift hook on the quick coupler (max. 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 lift hook and a lift capacity chart.



## Stick 2.45 m

m	Undercarriage stabilized		3.0 m		4.0 m		5.0 m		6.0 m		7.0 m		m		
	rear	front													
8.0	—	—											1.9*	1.9*	3.6
	Blade	—											1.9*	1.9*	
	Outriggers	—											1.9*	1.9*	
	Outriggers	Blade											1.9*	1.9*	
	Two-piece blade	Blade											1.9*	1.9*	
7.0	—	—			2.7*	2.7*	1.7*	1.7*					1.6*	1.6*	5.0
	Blade	—			2.7*	2.7*	1.7*	1.7*					1.6*	1.6*	
	Outriggers	—			2.7*	2.7*	1.7*	1.7*					1.6*	1.6*	
	Outriggers	Blade			2.7*	2.7*	1.7*	1.7*					1.6*	1.6*	
	Two-piece blade	Blade			2.7*	2.7*	1.7*	1.7*					1.6*	1.6*	
6.0	—	—			3.0*	3.0*	2.6	2.7*					1.5*	1.5*	5.9
	Blade	—			3.0*	3.0*	2.7*	2.7*					1.5*	1.5*	
	Outriggers	—			3.0*	3.0*	2.7*	2.7*					1.5*	1.5*	
	Outriggers	Blade			3.0*	3.0*	2.7*	2.7*					1.5*	1.5*	
	Two-piece blade	Blade			3.0*	3.0*	2.7*	2.7*					1.5*	1.5*	
5.0	—	—			3.3*	3.3*	2.7	3.2*	1.9	2.5*			1.4*	1.4*	6.6
	Blade	—			3.3*	3.3*	3.0	3.2*	2.1	2.5*			1.4*	1.4*	
	Outriggers	—			3.3*	3.3*	3.0	3.2*	2.1	2.5*			1.4*	1.4*	
	Outriggers	Blade			3.3*	3.3*	3.2*	3.2*	2.5*	2.5*			1.4*	1.4*	
	Two-piece blade	Blade			3.3*	3.3*	3.0	3.2*	2.2	2.5*			1.4*	1.4*	
4.0	—	—	4.1*	4.1*	3.7	4.1*	2.7	3.8*	1.9	3.1*			1.4	1.4*	7.0
	Blade	—	4.1*	4.1*	4.1	4.1*	3.0	3.8*	2.1	3.1*			1.4*	1.4*	
	Outriggers	—	4.1*	4.1*	4.1	4.1*	3.0	3.8*	2.2	3.1*			1.4*	1.4*	
	Outriggers	Blade	4.1*	4.1*	4.1*	4.1*	3.5	3.8*	2.6	3.1*			1.4*	1.4*	
	Two-piece blade	Blade	4.1*	4.1*	4.1	4.1*	3.0	3.8*	2.2	3.1*			1.4*	1.4*	
3.0	—	—	5.5	7.2*	3.6	5.4*	2.6	4.2	1.9	3.1	1.4	2.1*	1.3	1.5*	7.2
	Blade	—	6.2	7.2*	4.0	5.4*	2.9	4.5*	2.1	3.8*	1.6	2.1*	1.5*	1.5*	
	Outriggers	—	6.2	7.2*	4.0	5.4*	3.0	4.5*	2.1	3.8*	1.6	2.1*	1.5*	1.5*	
	Outriggers	Blade	7.2*	7.2*	4.7	5.4*	3.4	4.5*	2.5	3.8*	1.9	2.1*	1.5*	1.5*	
	Two-piece blade	Blade	7.2*	7.2*	4.1	5.4*	3.0	4.5*	2.2	3.8*	1.6	2.1*	1.5*	1.5*	
2.0	—	—	5.4	8.5*	3.6	5.7	2.6	4.1	1.9	3.1	1.3	2.3	1.2	1.5*	7.3
	Blade	—	6.0	8.5*	4.0	6.1*	2.9	4.8*	2.1	4.1*	1.5	2.6*	1.4	1.5*	
	Outriggers	—	6.0	8.5*	4.0	6.1*	2.9	4.8*	2.1	4.1*	1.5	2.6*	1.4	1.5*	
	Outriggers	Blade	7.2	8.5*	4.7	6.1*	3.4	4.8*	2.5	4.1*	1.9	2.6*	1.5*	1.5*	
	Two-piece blade	Blade	6.1	8.5*	4.0	6.1*	2.9	4.8*	2.1	4.1*	1.6	2.6*	1.4	1.5*	
1.0	—	—	5.4	8.9*	3.6	5.7	2.5	4.1	1.8	3.0	1.3	2.3	1.2	1.6*	7.3
	Blade	—	6.0	8.9*	4.0	6.5*	2.8	5.1*	2.0	4.2*	1.5	2.8*	1.4	1.6*	
	Outriggers	—	6.0	8.9*	4.0	6.5*	2.8	5.1*	2.0	4.2*	1.5	2.8*	1.4	1.6*	
	Outriggers	Blade	7.2	8.9*	4.7	6.5*	3.4	5.1*	2.4	4.2*	1.8	2.8*	1.6*	1.6*	
	Two-piece blade	Blade	6.1	8.9*	4.0	6.5*	2.9	5.1*	2.0	4.2*	1.5	2.8*	1.4	1.6*	
0	—	—	5.3	9.0	3.4	5.7	2.4	4.0	1.7	2.9	1.3	2.2	1.2	1.8*	7.1
	Blade	—	6.0	9.0*	3.8	6.5*	2.7	5.1*	1.9	4.2*	1.4	2.4*	1.4	1.8*	
	Outriggers	—	6.0	9.0*	3.8	6.5*	2.7	5.1*	1.9	4.2*	1.4	2.4*	1.4	1.8*	
	Outriggers	Blade	7.2	9.0*	4.7	6.5*	3.2	5.1*	2.3	4.2*	1.8	2.4*	1.7	1.8*	
	Two-piece blade	Blade	6.1	9.0*	3.9	6.5*	2.7	5.1*	2.0	4.2*	1.5	2.4*	1.4	1.8*	
-1.0	—	—	5.0	9.1	3.2	5.8	2.2	3.9	1.6	2.9			1.3	2.1*	6.8
	Blade	—	5.7	9.1*	3.7	6.6*	2.5	5.2*	1.8	4.1*			1.5	2.1*	
	Outriggers	—	5.7	9.1*	3.7	6.6*	2.5	5.2*	1.8	4.1*			1.5	2.1*	
	Outriggers	Blade	7.2	9.1*	4.5	6.6*	3.1	5.2*	2.3	4.1*			1.8	2.1*	
	Two-piece blade	Blade	5.8	9.1*	3.7	6.6*	2.6	5.2*	1.9	4.1*			1.5	2.1*	
-2.0	—	—	4.8	9.3	3.0	5.5	2.1	3.8	1.5	2.8			1.4	2.6	6.3
	Blade	—	5.5	9.3*	3.5	6.8*	2.4	5.1*	1.8	3.5*			1.7	2.7*	
	Outriggers	—	5.6	9.3*	3.5	6.8*	2.4	5.1*	1.8	3.5*			1.7	2.7*	
	Outriggers	Blade	7.0	9.3*	4.3	6.8*	3.0	5.1*	2.2	3.5*			2.1	2.7*	
	Two-piece blade	Blade	5.6	9.3*	3.5	6.8*	2.4	5.1*	1.8	3.5*			1.7	2.7*	
-3.0	—	—	4.6	8.8*	2.9	5.4	2.0	3.7					1.8	2.7*	5.5
	Blade	—	5.3	8.8*	3.3	5.9*	2.3	3.8*					2.0	2.7*	
	Outriggers	—	5.3	8.8*	3.3	5.9*	2.3	3.8*					2.0	2.7*	
	Outriggers	Blade	6.7	8.8*	4.1	5.9*	2.9	3.8*					2.5	2.7*	
	Two-piece blade	Blade	5.4	8.8*	3.4	5.9*	2.4	3.8*					2.1	2.7*	
-4.0	—	—	6.9	8.8*	4.2	5.9*	3.0	3.8*					2.6	2.7*	3.0
	Blade	—											4.6	5.5*	
	Outriggers	—											5.4	5.5*	
	Outriggers	Blade											5.5*	5.5*	
	Two-piece blade	Blade											5.4	5.5*	

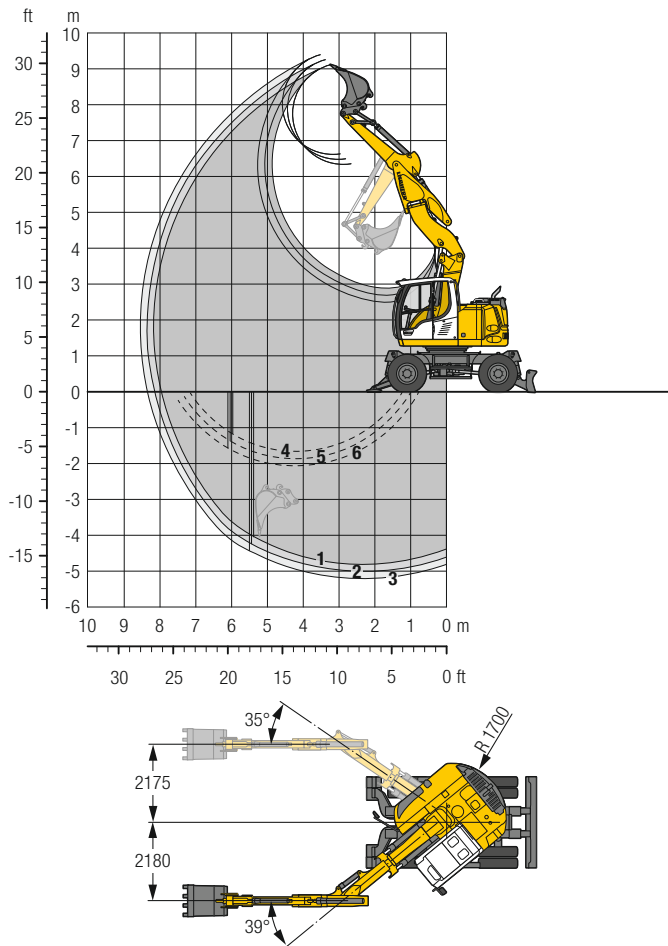
 Height  Can be slewed through 360°  In longitudinal position of undercarriage  Max. reach \* Limited by hydr. capacity

The lift capacities on the load lift 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 lift 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 lift hook and a lift capacity chart.

# Backhoe Bucket

## with Offset Two-Piece Boom 4.70 m



### Digging Envelope

with quick coupler		1	2	3
Stick length	m	2.05	2.25	2.45
Max. digging depth	m	4.80	5.00	5.20
Max. reach at ground level	m	7.95	8.15	8.35
Max. dumping height	m	6.35	6.50	6.65
Max. teeth height	m	9.10	9.25	9.40
Min. equipment radius	m	2.09	2.12	2.14

1 with stick 2.05 m  
 2 with stick 2.25 m  
 3 with stick 2.45 m  
 with set straight boom

4 with stick 2.05 m  
 5 with stick 2.25 m  
 6 with stick 2.45 m  
 at max. equipment offset  
 with vertical ditch walls

### Digging Forces

without quick coupler		1	2	3
Max. digging force (ISO 6015)	kN	67.5	62.9	59.0
	t	6.9	6.4	6.0
Max. breakout force (ISO 6015)	kN	76.4	76.4	76.4
	t	7.8	7.8	7.8

Max. breakout force with ripper bucket 102.2 kN (10.4 t)

### Operating Weight

The operating weight includes the basic machine with 8 tyres plus intermediate rings, offset two-piece boom 4.70 m, stick 2.25 m, quick coupler SWA 33 and bucket 650 mm/0.36 m<sup>3</sup>.

Undercarriage versions	Weight (kg)
A 913 Compact Litronic with rear outriggers + front blade	14,900
A 913 Compact Litronic with rear two-piece + front blade	15,200

### 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			Rear two-piece + front blade down		
			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
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 ■ = ≤ 1.8 t/m<sup>3</sup>, ■ = ≤ 1.5 t/m<sup>3</sup>, △ = ≤ 1.2 t/m<sup>3</sup>, - = not authorised

# Lift Capacities

## with Offset Two-Piece Boom 4.70 m

### Stick 2.05 m

m	Undercarriage stabilized		3.0 m		4.0 m		5.0 m		6.0 m		7.0 m		m	
	rear	front												
8.0	Outriggers	Blade												
	Two-piece blade	Blade												
7.0	Outriggers	Blade			2.6*	2.6*							1.9*	1.9*
	Two-piece blade	Blade			2.6*	2.6*							1.9*	1.9*
6.0	Outriggers	Blade			3.5*	3.5*	2.6	2.6*					1.7*	1.7*
	Two-piece blade	Blade			3.5*	3.5*	2.6*	2.6*					1.7*	1.7*
5.0	Outriggers	Blade			3.8	4.1*	2.6	3.6*	1.8	1.9*			1.7*	1.7*
	Two-piece blade	Blade			4.1*	4.1*	3.4	3.6*	1.9*	1.9*			1.7*	1.7*
4.0	Outriggers	Blade	5.7	5.9*	3.7	4.8*	2.6	4.1*	1.8	3.1			1.5	1.7*
	Two-piece blade	Blade	5.9*	5.9*	4.8*	4.8*	3.5	4.1*	2.5	3.1*			1.7*	1.7*
3.0	Outriggers	Blade	5.5	7.3*	3.6	5.4*	2.6	4.1	1.8	3.0			1.3	1.7*
	Two-piece blade	Blade	7.2	7.3*	4.7	5.4*	3.4	4.4*	2.4	3.8*			1.7*	1.7*
2.0	Outriggers	Blade	5.3	8.4*	3.6	5.6	2.5	4.1	1.7	3.0			1.2	1.9*
	Two-piece blade	Blade	7.0	8.4*	4.6	6.0*	3.4	4.7*	2.4	4.0*			1.8	1.9*
1.0	Outriggers	Blade	5.3	8.6*	3.6	5.6	2.4	4.1	1.6	2.9			1.2	2.1*
	Two-piece blade	Blade	7.0	8.6*	4.6*	6.3*	3.3	4.9*	2.3	4.0*			1.8	2.1*
0	Outriggers	Blade	7.2	8.6*	4.7	6.3*	3.3	4.9*	2.4	4.0*			1.8	2.1*
	Two-piece blade	Blade	7.3	8.7*	4.8	6.3*	3.2	4.9*	2.3	4.0*			1.9	2.3*
-1.0	Outriggers	Blade	4.9	8.9	3.1	5.6	2.0	3.7	1.4	2.7			1.3	2.5
	Two-piece blade	Blade	7.1	8.9*	4.3	6.4*	2.9	5.0*	2.1	3.8*			1.9	2.8*
-2.0	Outriggers	Blade	7.3	8.9*	4.5	6.4*	3.0	5.0*	2.2	3.8*			2.0	2.8*
	Two-piece blade	Blade	4.6	9.2*	2.8	5.3	1.9	3.6					1.5	2.9
-3.0	Outriggers	Blade	6.8	9.2*	4.1	6.5*	2.8	4.6*					2.2	3.2*
	Two-piece blade	Blade	6.9	9.2*	4.2	6.5*	2.9	4.6*					2.3	3.2*
-4.0	Outriggers	Blade	4.3	7.8*	2.7	5.0*							1.9	2.9*
	Two-piece blade	Blade	6.4	7.8*	3.9	5.0*							2.8	2.9*
	Outriggers	Blade	6.6	7.8*	4.0	5.0*							2.9	2.9*

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

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 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 lift 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 lift hook and a lift capacity chart.



# Lift Capacities

## with Offset Two-Piece Boom 4.70 m

### Stick 2.25 m

m	Undercarriage stabilized		3.0 m		4.0 m		5.0 m		6.0 m		7.0 m		m	
	rear	front												
8.0	Outriggers	Blade												
	Two-piece blade	Blade												
7.0	Outriggers	Blade			2.7*	2.7*						1.7*	1.7*	
	Two-piece blade	Blade			2.7*	2.7*						1.7*	1.7*	
6.0	Outriggers	Blade					2.6	2.6*					1.6*	1.6*
	Two-piece blade	Blade					2.6*	2.6*					1.6*	1.6*
5.0	Outriggers	Blade			3.7*	3.7*	2.7	3.4*	1.8	2.2*			1.5*	1.5*
	Two-piece blade	Blade			3.7*	3.7*	3.4*	3.4*	2.2*	2.2*			1.5*	1.5*
4.0	Outriggers	Blade	5.2*	5.2*	4.6*	4.6*	3.5	4.0*	2.5	3.1*			1.5*	1.5*
	Two-piece blade	Blade	5.2*	5.2*	4.6*	4.6*	3.5	4.0*	2.6	3.1*			1.5*	1.5*
3.0	Outriggers	Blade	5.5	7.0*	3.6	5.2*	2.6	4.1	1.8	3.1			1.3	1.6*
	Two-piece blade	Blade	7.0*	7.0*	4.7	5.2*	3.4	4.3*	2.5	3.7*			1.6*	1.6*
2.0	Outriggers	Blade	5.3	8.2*	3.5	5.6	2.6	4.0	1.8	3.0	1.2	2.1*	1.2	1.7*
	Two-piece blade	Blade	7.0	8.2*	4.6	5.8*	3.4	4.6*	2.4	3.9*	1.8	2.1*	1.7*	1.7*
1.0	Outriggers	Blade	7.2	8.2*	4.7	5.8*	3.5	4.6*	2.5	3.9*	1.8	2.1*	1.7*	1.7*
	Two-piece blade	Blade	5.3	8.5*	3.6	5.5	2.4	4.1	1.7	2.9	1.2	2.1*	1.1	1.8*
0	Outriggers	Blade	7.0	8.5*	4.6	6.2*	3.3	4.8*	2.3	4.0*	1.7	2.1*	1.7	1.8*
	Two-piece blade	Blade	7.1	8.5*	4.7	6.2*	3.4	4.8*	2.4	4.0*	1.8	2.1*	1.7	1.8*
-1.0	Outriggers	Blade	5.2	8.6	3.4	5.6	2.3	4.0	1.6	2.8			1.2	2.1*
	Two-piece blade	Blade	7.1	8.7*	4.7	6.3*	3.1	4.9*	2.2	4.0*			1.7	2.1*
-2.0	Outriggers	Blade	4.9	8.8	3.1	5.7	2.1	3.8	1.5	2.7			1.2	2.4
	Two-piece blade	Blade	7.1	8.8*	4.4	6.3*	2.9	5.0*	2.1	3.9*			1.8	2.5*
-3.0	Outriggers	Blade	7.3	8.8*	4.5	6.3*	3.0	5.0*	2.2	3.9*			1.9	2.5*
	Two-piece blade	Blade	4.7	9.1*	2.8	5.4	1.9	3.6					1.4	2.7
-4.0	Outriggers	Blade	6.8	9.1*	4.1	6.5*	2.8	4.8*					2.1	3.2*
	Two-piece blade	Blade	7.0	9.1*	4.2	6.5*	2.9	4.8*					2.1	3.2*
-5.0	Outriggers	Blade	4.3	8.3*	2.7	5.2	1.9	3.3*					1.8	2.9*
	Two-piece blade	Blade	6.5	8.3*	3.9	5.4*	2.7	3.3*					2.6	2.9*
-6.0	Outriggers	Blade	6.6	8.3*	4.0	5.4*	2.8	3.3*					2.7	2.9*
	Two-piece blade	Blade												

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

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 33 without attachment are stated in 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 lift 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 lift hook and a lift capacity chart.

## Stick 2.45 m

		Undercarriage stabilized		3.0 m		4.0 m		5.0 m		6.0 m		7.0 m			
m	rear	front													m
	8.0	Outriggers	Blade												
	Two-piece blade	Blade													
7.0	Outriggers	Blade											1.5*	1.5*	5.0
	Two-piece blade	Blade											1.5*	1.5*	
6.0	Outriggers	Blade						2.6*	2.6*					1.4*	5.9
	Two-piece blade	Blade						2.6*	2.6*					1.4*	
														1.4*	
5.0	Outriggers	Blade			3.4*	3.4*	2.7	3.2*	1.9	2.4*				1.4*	6.5
	Two-piece blade	Blade			3.4*	3.4*	3.2*	3.2*	2.4*	2.4*				1.4*	
														1.4*	
4.0	Outriggers	Blade			3.7	4.2*	2.7	3.8*	1.9	3.1*				1.3	6.9
	Two-piece blade	Blade			4.2*	4.2*	3.4	3.8*	2.5	3.1*				1.4*	
														1.4*	
3.0	Outriggers	Blade	5.5	6.7*	3.6	5.1*	2.6	4.1	1.8	3.1	1.3	2.0*		1.2	7.2
	Two-piece blade	Blade	6.7*	6.7*	4.7	5.1*	3.4	4.2*	2.5	3.6*	1.8	2.0*		1.4*	
														1.4*	
2.0	Outriggers	Blade	5.3	8.0*	3.5	5.5	2.6	4.0	1.8	3.0	1.2	2.2		1.1	7.3
	Two-piece blade	Blade	7.0	8.0*	4.6	5.7*	3.4	4.5*	2.4	3.8*	1.8	2.4*		1.5*	
														1.5*	
1.0	Outriggers	Blade	5.3	8.4*	3.5	5.5	2.5	4.0	1.7	2.9	1.2	2.2		1.1	7.3
	Two-piece blade	Blade	7.0	8.4*	4.6	6.1*	3.3	4.8*	2.3	3.9*	1.7	2.6*		1.6	
														1.6*	
0	Outriggers	Blade	5.3	8.6*	3.4	5.6	2.3	4.0	1.6	2.8	1.1	2.1		1.1	7.1
	Two-piece blade	Blade	7.0	8.6*	4.6	6.2*	3.2	4.8*	2.2	4.0*	1.7	2.1*		1.6	
														1.8*	
-1.0	Outriggers	Blade	4.9	8.7	3.2	5.7	2.1	3.8	1.5	2.7				1.2	6.7
	Two-piece blade	Blade	7.1	8.7*	4.5	6.3*	3.0	4.9*	2.1	3.9*				1.7	
														2.2*	
-2.0	Outriggers	Blade	4.7	8.9*	2.9	5.4	1.9	3.6	1.4	2.7				1.3	6.2
	Two-piece blade	Blade	6.9	8.9*	4.1	6.5*	2.8	4.9*	2.0	3.4*				1.9	
														2.7*	
-3.0	Outriggers	Blade	4.3	8.6*	2.7	5.2	1.8	3.5						1.6	5.4
	Two-piece blade	Blade	6.5	8.6*	3.9	5.8*	2.7	3.8*						2.4	
														2.9*	
-4.0	Outriggers	Blade	4.2	5.4*										3.3	3.5
	Two-piece blade	Blade	5.4*	5.4*										4.1*	
														4.1*	

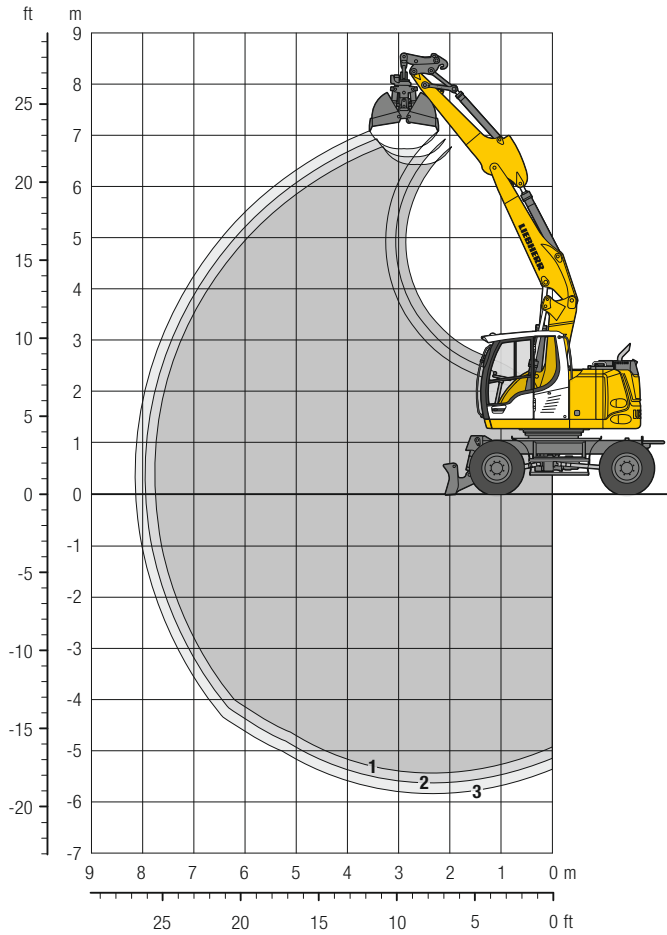
Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 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 lift 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 lift hook and a lift capacity chart.

# Clamshell Grab

## with Two-Piece Boom 4.65 m



### Digging Envelope

with quick coupler	1	2	3
Stick length	m 2.05	2.25	2.45
Max. digging depth	m 5.45	5.65	5.85
Max. reach at ground level	m 7.75	7.95	8.15
Max. dumping height	m 6.45	6.60	6.75

### Clamshell Grab GM 5B

Max. tooth force	52 kN (5.3 t)
Max. torque of hydr. swivel	1.40 kNm

### Operating Weight

The operating weight includes the basic machine with 8 tyres plus intermediate rings, two-piece boom 4.65 m, stick 2.25 m, quick coupler SWA 33 and clamshell grab GM 5B/0.20 m<sup>3</sup> (600 mm without ejector).

Undercarriage versions	Weight (kg)
A 913 Compact Litronic with rear blade	14,000
A 913 Compact Litronic with rear outriggers	14,100
A 913 Compact Litronic with rear outriggers + front blade	14,600
A 913 Compact Litronic with rear two-piece blade	14,300
A 913 Compact Litronic with rear two-piece + front blade	14,900

### Clamshell Grab GM 5B 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 down			Rear outriggers + front blade down			Rear two-piece blade down			Rear two-piece + 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>1)</sup>	0.10	530	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
400 <sup>1)</sup>	0.13	560	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
600 <sup>1)</sup>	0.20	470	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
800 <sup>1)</sup>	0.27	590	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
1,000 <sup>1)</sup>	0.34	710	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
300 <sup>2)</sup>	0.10	570	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
400 <sup>2)</sup>	0.13	610	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	

\* 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

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



# Equipments

## Clamshell Grabs/Ditch Cleaning Buckets/Tilt Buckets

### Clamshell Grab GM 5B 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			Rear two-piece + front blade down		
			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
<b>Offset two-piece boom 4.70 m</b>											
300 <sup>1)</sup>	0.10	530	■	■	■	■	■	■	■	■	■
400 <sup>1)</sup>	0.13	560	■	■	■	■	■	■	■	■	■
600 <sup>1)</sup>	0.20	470	■	■	■	■	■	■	■	■	■
800 <sup>1)</sup>	0.27	590	■	■	■	■	■	■	■	■	■
1,000 <sup>1)</sup>	0.34	710	■	■	■	■	■	■	■	■	■
300 <sup>2)</sup>	0.10	570	■	■	■	■	■	■	■	■	■
400 <sup>2)</sup>	0.13	610	■	■	■	■	■	■	■	■	■

\* 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

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

### 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 down			Rear outriggers + front blade down			Rear two-piece blade down			Rear two-piece + 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 4.65 m</b>																				
1,600 <sup>2)</sup>	0.55	640	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2,000 <sup>2)</sup>	0.50	660	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1,500 <sup>3)</sup>	0.50	360	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2,000 <sup>3)</sup>	0.48	350	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2,000 <sup>3)</sup>	0.65	390	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
<b>Offset two-piece boom 4.70 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 down			Rear outriggers + front blade down			Rear two-piece blade down			Rear two-piece + 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 4.65 m</b>																				
1,500 <sup>2)</sup>	0.60	660	■	△	△	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
<b>Offset two-piece boom 4.70 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 ■ = ≤ 1.8 t/m<sup>3</sup>, ■ = ≤ 1.5 t/m<sup>3</sup>, △ = ≤ 1.2 t/m<sup>3</sup>, – = not authorised

# Equipment

## Undercarriage

Dual-circuit braking system	•
Rear stabilizer blade	+
Rear + front stabilizer blade	+
4-wheel steering (front wheel steering, 4-wheel steering, crab steering)	+
Trailer coupling with bolt, automatic (stabilizer blade)	+
Digging brake, automatic	•
Tyres (twin tyres) Liebherr EM 22 290/90-20	•
Tyres (twin tyres) Mitas EM 22	+
Individual control outriggers/two-piece stabilizer blade	+
Travel speed levels (four)	•
Rear two-piece stabilizer blade	+
Rear two-piece + front stabilizer blade	+
Hydraulic connection for tipping the trailer	+
Mudguards (rear and front)	+
Load holding valve on each stabilization cylinder	•
Powershift transmission, semiautomatic	•
Parking brake, maintenance-free	•
Rear outriggers	+
Rear outriggers + front stabilizer blade	+
Tyres, variants	+
Protection for travel drive	+
Protection for piston rods, stabilizer cylinder	+
Speeder**	+
Storage compartment left – lockable	•
Storage compartment right – lockable	+
Power socket for lighting extension coupling, 24 V (rear)	+
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	•
High pressure circuit, continuous operation	+
Accumulator for controlled lowering of the equipment with the engine shut down	•
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

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

## Operator's 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 right joystick	+
Driver's code to start the machine, individual	+
Operator's seat Standard	•
Operator's seat Comfort	+
Operator's seat Premium	+
Driving alarm (acoustic signal is emitted during travel, can be switched ON/OFF)	+
Fire extinguisher	+
Front screen made from impact-resistant laminated safety glass – not adjustable	+
Windscreen retractable (including upper part)	•
Intermittent windscreen wiper with wiper washer	•
Cruise control	•
Joystick steering	+
Automatic air conditioning*	•
Fuel consumption indicator	•
Electric cooler	+
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 cabin, LED double flash*	+
All tinted windows	•
Windscreen wiper, roof	+
Windshield wiper, entire windscreen	•
Door with sliding window	•
Top guard	+
Front guard, adjustable	+
Right side window and windshield made from laminated safety glass	•
Sun visor	+
Sun blind	•
Auxiliary heating, adjustable (week time switch)	+
SuperFinish	+
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 *	+
Security for hoist cylinder for hydraulic attachments	+
Electronic lift limitation	+
Load holding valve bucket 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 tilt rotator	+
Liebherr sorting grab	+
Liebherr backhoe bucket	+
Liebherr tooth system	+
Liebherr clamshell grab	+
Medium pressure circuit incl. lines	+
Pipe fracture safety valves hoist cylinders	•
Pipe fracture safety valve stick cylinder	•
Hose quick coupling at end of stick	•
Hose protection for LIKUFIX	+
Quick coupling system LIKUFIX	+
Protection for piston rod, bucket cylinder	+
Protection for bottom side of stick	+
Power socket on stick, 24 V / 10 A	+
Tool Control, 20 attachment adjustments selectable over the display	+
Overload warning device	•
Two-piece boom	+
Offset two-piece boom	+



## Complete Machine

<b>Lubrication</b>	
Lubrication uppercarriage and equipment, manually – decentralised (grease points) *	•
Lubrication undercarriage, manually – decentralised (grease points)	•
Central lubrication system for uppercarriage and equipment, automatically (without quick coupler and connecting link) *	•
Central lubrication system, extension for quick coupler	+
Central lubrication system, extension for connecting link	+
<b>Special coating</b>	
Custom painting for attachments	+
Special coating, variants	+
<b>Monitoring</b>	
Rear view monitoring with camera	•
Side view monitoring with camera	•
Skyview 360° (side camera not available)	+
<b>Machine guidance system</b>	
Preparation	+

• = Standard, + = Option

\* = country-dependent, \*\* = depending upon the country partially only 25 km/h permitted

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



# The Liebherr Group of Companies



## Wide Product Range

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

## Exceptional Customer Benefit

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

## State-of-the-art Technology

To provide consistent, top quality products, Liebherr attaches great importance to each product area, its components and core technologies. Important modules and components are developed and manufactured in-house, for instance the entire drive and control technology for construction equipment.

## Worldwide and Independent

Hans Liebherr founded the Liebherr family company in 1949. Since then, the family business has steadily grown to a group of more than 130 companies with more than 46,000 employees located on all continents. The corporate headquarters of the Group is Liebherr-International AG in Bulle, Switzerland. The Liebherr family is the sole owner of the company.

[www.liebherr.com](http://www.liebherr.com)