### Wheeled Excavator

### A 920

Litronic®



## LIEBHERR

### Performance

Robustly Stable Power, Strength and Precision

### **Economy**

A Sound Investment – Optimum Economy and Environmentally Friendly

### **Operating Weight** 18,300 – 21,300 kg

Engine 129 kW/175 HP Stage IV

### **Bucket Capacity** 0.55 – 1.20 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



### **Performance**



# **Robustly Stable Power, Strength and Precision**

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

### Maximum Performance

#### **Versatile & Strong**

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

#### **Working Faster**

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

### Precise Work

#### **Working with Precision**

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







#### **Constant power**

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

#### **Digging Force**

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

#### The perfect tool for any use

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

### **Economy**



### A Sound Investment – Optimum Economy and Environmentally Friendly

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

### Maximum Efficiency

#### **Strong Construction Machinery Engine**

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

#### Low Maintenance SCR

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

### Increased Productivity

#### **Immediately Ready for Use**

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

#### **Efficient Management**

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



# Max LPE Min Working range Engine speed [rpm] Perfect operating point with LPE Operating point without LPE Operating point without LPE Specific fuel consumption



#### **Controlled maximum power**

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

### Low Fuel Consumption Thanks to Intelligent Machine Control

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

#### Liebherr Quick Coupling System LIKUFIX

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

### Reliability



### Competence, Consistency, Innovation – Proven Experience

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

### High machine availability

#### **Quality and Competence**

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

#### **Robust Construction**

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

#### Wear minimisation

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

### Greater safety

#### Safety

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

#### **Maximum Stability**

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







### **All-round Visibility**

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

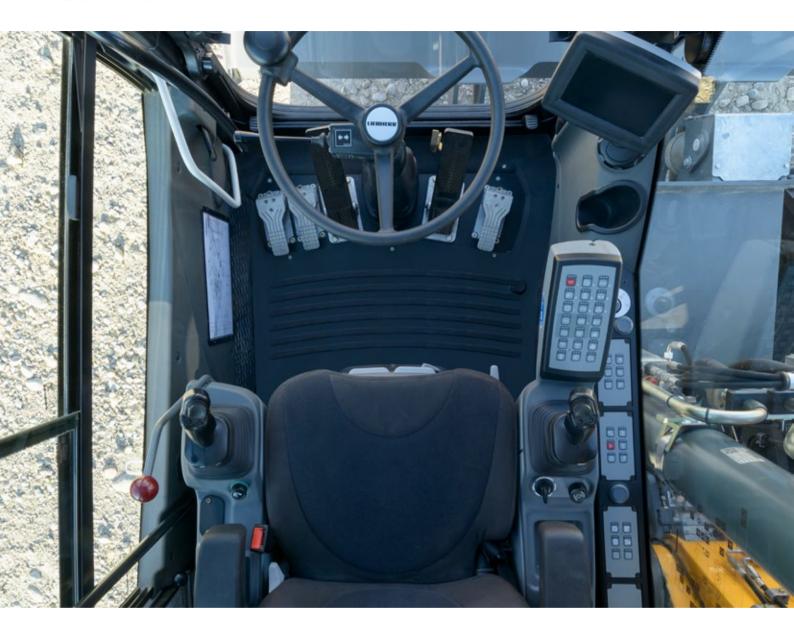
#### Effective undercarriage concept

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

### Liebherr twin tyres EM 22 without intermediate ring

- Specially developed twin tyres for increased stability when not supported
- Long service life through increased wear resistance
- Best traction on soft and sandy terrain
- Unique in its class: The dimensions correspond to the 10-set twin tyres and do not exceed the permissible width

### **Comfort**



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

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

### First-class Cab

#### **Productive working environment**

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

#### **Operator Seats**

The Standard, Comfort and Premium operator's seat versions deliver maximum comfort.

Even the Standard operator's seat has been manufactured with high-quality materials and has an extensive selection of standard equipment including pneumatic suspension, seat heating, headrest, lumbar support and much more.

A luxury which we believe every construction machine should provide.

#### **Smooth Operation**

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

### Comfortable Operation

#### Radio with Hands-free Device

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

#### **Information Centre**

The large touchscreen provides the operator with a fast, uncomplicated interface which delivers all the information required for working with the machine. A flat, intuitive menu system ensures that it can be readily understood so that the information centre 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
- An integral tank hose and an automatic shut off when the tank is full deliver greater comfort and short refuelling times
- Topping up simple, quick and safe

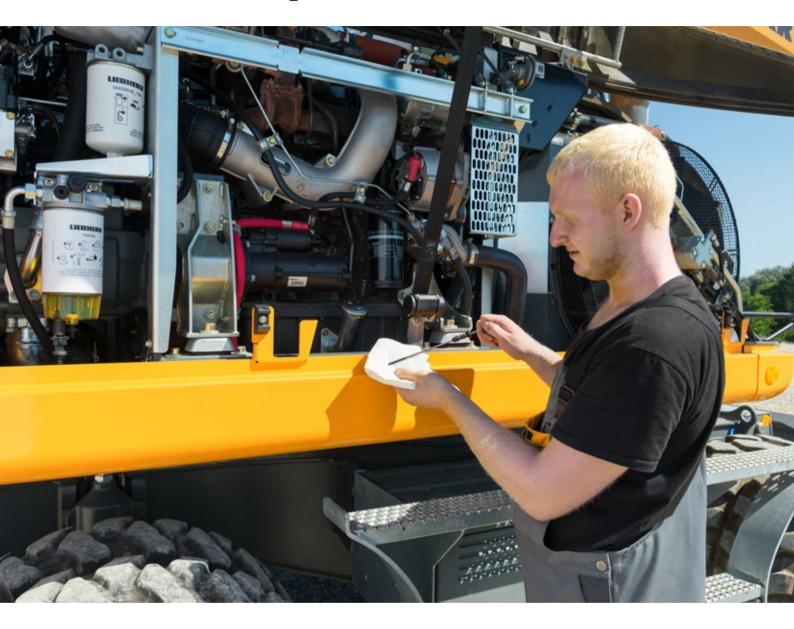
#### Sliding two-piece windscreen

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

#### **Intuitive Operation**

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

### Maintainability



### Service Every Step of the Way -**Simple, Fast and Reliable**

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

### Simplified Maintenance Concept

#### Service-based Machine Design

The service-based machine design guarantees short servicing times, thus 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.

#### **Hvdraulic Oils with Added Value**

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

#### Retrofitting with new technologies

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

### Your Competent Service Partner

#### Remanufacturing

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

#### **Competent Advice and Service**

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



#### Lubrication **During Operation**

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



#### **Excellent Service Access**

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



### **Rapid Spare Parts Service**

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

# Wheeled Excavator A 920 Litronic Overview

### Excellent Machine Concept for Maximum Reliability

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

### Superior Technology for Highest Economy

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

### Simplified Maintenance Concept for Maximum Productivity

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





#### **Ergonomic Operator's Work Station for Maximum Comfort**

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

#### **Perfect Combination for Highest Possible Performance**

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

### **Technical Data**

### Diesel Engine

3 -			
Rating per ISO 9249	129 kW (175 HP) at 1,700 RPM		
Model	Liebherr D924		
Туре	4 cylinder in-line		
Bore/Stroke	104/132 mm		
Displacement	4.5		
Engine operation	4-stroke diesel		
	Common-Rail		
	turbo-charged and after-cooled		
	reduced emissions		
Air cleaner	dry-type air cleaner with pre-cleaner, primary		
	and safety elements		
Engine idling	sensor controlled		
Electrical system			
Voltage	24 V		
Batteries	2 x 135 Ah/12 V		
Alternator	three-phase current 28 V/140 A		
Stage IV			
Harmful emissions values	in accordance with 97/68/EG stage IV		
Emission control	Liebherr-SCR technology		
Option	Liebherr particle filter		
Fuel tank	369		
Urea tank	46 I		

### ⇒ Cooling System

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

### Hydraulic Controls

B 1: 1: 1: 1:	
Power distribution	via control valves with integrated safety valves,
	simultaneous and independent actuation of
	chassis, swing drive and attachment
Servo circuit	
Attachment and swing	with hydraulic pilot control and proportional
_	joystick levers
Chassis	electroproportional via foot pedal
Additional functions	via switch or electroproportional foot pedals
Proportional control	proportionally acting transmitters on the joy-
	sticks for additional hydraulic functions

### Hydraulic System

Hydraulic pump	
for attachment	Liebherr axial piston variable displacement
and travel drive	pump
Max. flow	390 l/min.
Max. pressure	350 bar
Hydraulic pump	Liebherr-Synchron-Comfort-system (LSC) with
regulation and control	electronic engine speed sensing regulation,
	pressure and flow compensation, torque con- trolled swing drive priority
Hydraulic tank	155 I
Hydraulic system	max. 350 l
Hydraulic oil filter	1 main return filter with integrated partial micro filtration (5 µm)
MODE selection	adjustment of engine and hydraulic performance via a mode pre-selector to match application, e.g. for especially economical and environmen- tally friendly operation or for maximum digging performance and heavy-duty jobs
S (Sensitive)	mode for precision work and lifting through very sensitive movements
E (Eco)	mode for especially economical and environ- mentally friendly operation
P (Power)	mode for high performance with low fuel con- sumption
P+ (Power-Plus)	mode for highest performance and for very heavy duty applications, suitable for continuous operation
Engine speed and performance setting	stepless alignment of engine output and hydraulic power via engine speed
Option	Tool Control: 20 preadjustable pump flows and pressures for add on tools

### Swing Drive

Drive	Liebherr axial piston motor with integrated brake valve and torque control, Liebherr plane- tary reduction gear
Swing ring	Liebherr, sealed race ball bearing swing ring, internal teeth
Swing speed	0 – 10.0 RPM stepless
Swing torque	54 kNm
Holding brake	wet multi-disc (spring applied, pressure released)
Option	pedal controlled positioning swing brake

### Operator's Cab

Operator's Ca	D
Cab	ROPS safety cab structure (roll-over protection system) with individual windscreens or featuring a slide-in subpart under the ceiling, work headlights integrated in the ceiling, a door with a sliding window (can be opened on both sides), large stowing and depositing possibilities, shockabsorbing suspension, sounddamping insulating, tinted laminated safety glass, separate window shades for the sunroof window and windscreen
	air cushioned operator's seat with 3D-adjust- able armrests, headrest, lap belt, seat heater, manual weight adjustment, adjustable seat cushion inclination and length and mechanical lumbar vertebrae support
Operator's seat Comfort (Option)	in addition to operator's seat standard: lockable horizontal suspension, automatic weight adjust- ment, adjustable suspension stiffness, pneu- matic lumbar vertebrae support and passive seat climatisation with active coal
Operator's seat Premium (Option)	in addition to operator's seat comfort: active electronic weight adjustment (automatic re- adjustment), pneumatic low frequency suspen- sion and active seat climatisation with active coal and ventilator
Control system	joysticks with control consoles and swivel seat, folding left control console
Operation and displays	large high-resolution operating unit, selfexplan- atory, colour display with touchscreen, video- compatible, numerous setting, control and monitoring options, e.g. air conditioning control, fuel consumption, machine and tool parameters
Air-conditioning	automatic air-conditioning, recirculated air func- tion, 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 out- side temperatures, sensors for solar radiation, inside and outside temperatures (country- dependent)

### ●<del>=</del>● Undercarriage

Drive	oversized two speed power shift transmission with additional creeper speed, Liebherr axial piston motor with functional brake valve on both
	sides
Pulling force	127 kN
Travel speed	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 30.0 km/h Speeder (Option)
Driving operation	automotive driving using accelerator pedal, cruise control function: storage of variable accelerator pedal positions, both off-road and on-road
Axles	manual or automatic hydraulically controlled front axle oscillation lock
Service brake	two circuit travel brake system with accumulator wet and backlash-free disc brake
Automatic digging brake	works automatically when driving off (accelera- tor pedal actuation) and when the machine is stationary (engagement); the digging brake engages automatically – can be coupled with automatic swing axle lock
Holding brake	wet multi-disc (spring applied, pressure released)
Stabilization	stabilizing blade rear (adjustable during travel for dozing)
	stabilizing blade rear + 2 point outriggers front stabilizing blade front + 2 point outriggers rear 4 point outriggers
Option	EW-undercarriage 2.75 m/9'



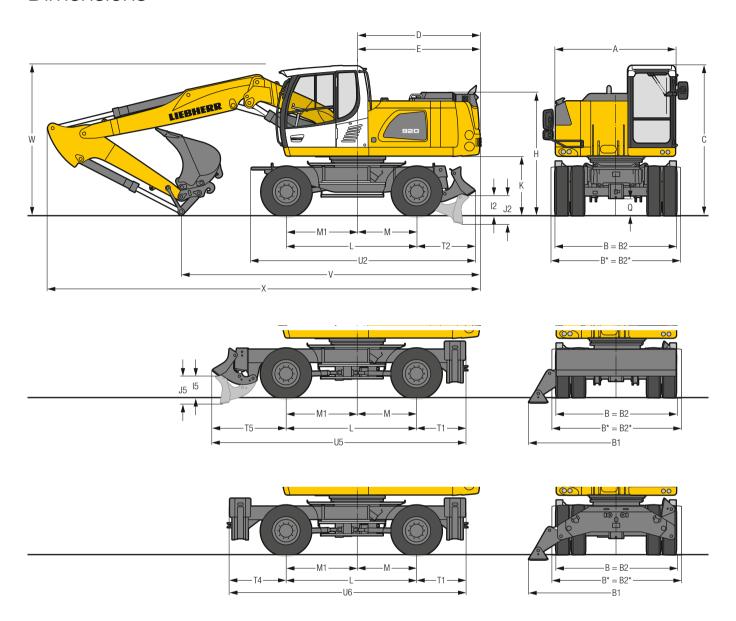
Туре	high-strength steel plates at highlystressed points for the toughest requirements. Complex and stable mountings of attachment and cylin- ders
Hydraulic cylinders	Liebherr cylinders with special seal system as well as shock absorption
Bearings	sealed, low maintenance



### Complete Machine

Lubrication	Liebherr central lubrication system for upper- carriage and attachment, automatically
Noise emission	
ISO 6396	$L_{pA}$ (inside cab) = 71 dB(A)
2000/14/EC	L <sub>WA</sub> (surround noise) = 101 dB(A)

### Dimensions



	mm
A	
	2,525
B B*	2,550
_	2,750
B1	3,695
B2	2,550
B2*	2,750
C	3,150/3,1651)
D	2,580
E	2,580
H	2,575/2,5901)
12	425
15	455
J2	605
J5	590
K	1,220/1,2301)
L	2,750
M	1,250
M1	1,500
Q	345/3551)
T1	1,040
T2	1,230
T4	1,190
T5	1,560
U2	4,720
U5	5,400
U6	5,080
* EW Undercarriage	

	Stick	Two-piece	boom 5.40 m		Mono boom	5.60 m	
		Stabilizer	Blade	4 pt.	Stabilizer	Blade	4 pt.
		blade	+ 2 pt. outriggers	outriggers	blade	+ 2 pt. outriggers	outriggers
	m	mm	mm	mm	mm	mm	mm
٧	2.25	6,700	6,700	6,700	6,650	6,650	6,650
	2.45	6,300	6,350	6,350	6,350	6,350	6,350
	2.65	6,200	6,700*	6,200	6,250	6,250	6,250
	3.05	5,750	6,250*	5,950*	5,700	6,200*	5,900*
W	2.25	3,150	3,150	3,150	3,300	3,300	3,300
	2.45	3,150	3,150	3,150	3,300	3,300	3,300
	2.65	3,200	3,200*	3,200	3,350	3,350	3,350
	3.05	3,200	3,200*	3,200*	3,350	3,350*	3,350*
X	2.25	9,100	9,100	9,100	9,250	9,250	9,250
	2.45	9,150	9,150	9,150	9,250	9,250	9,250
	2.65	9,150	9,600*	9,150	9,250	9,250	9,250
	3.05	9,100	9,600*	9,250*	9,250	9,700*	9,400*

	Stick	Offset two-piece boom 5.45 m				
		Stabilizer	Blade	4 pt.		
		blade	+ 2 pt.	outriggers		
			outriggers			
	m	mm	mm	mm		
٧	2.25	6,650	6,650	6,650		
	2.45	6,300	6,300	6,300		
	2.65	6,150	6,150	6,150		
	3.05	5,700	6,200*	5,850*		
V	2.25	3,200	3,200	3,200		
	2.45	3,150	3,150	3,150		
	2.65	3,200	3,200	3,200		
	3.05	3,200	3,200*	3,200		
Х	2.25	9,200	9,200	9,200		
	2.45	9,200	9,200	9,200		
	2.65	9,200	9,200	9,200		
	3.05	9,200	9,650*	9,350*		

<sup>\*</sup> EW-Undercarriage

† Undercarriage version stabilizer blade rear

E = Tail radius

Tyres 10.00-20

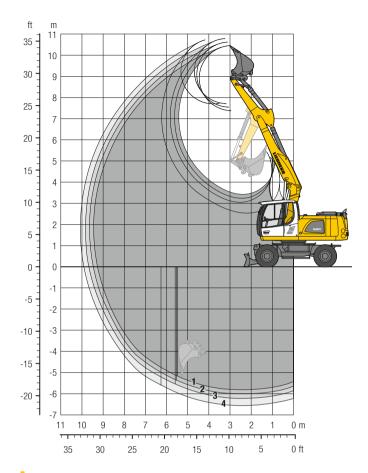
Dimensions are with attachment over steering axle

\* Attachment over digging axle for shorter transport dimensions

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

### Backhoe Bucket

#### with Two-Piece Boom 5.40 m



#### **Digging Envelope**

with quick coupler		1	2	3	4
Stick length	m	2.25	2.45	2.65	3.05
Max. digging depth	m	5.85	6.05	6.25	6.60
Max. reach at ground level	m	9.30	9.50	9.70	9.90
Max. dumping height	m	7.40	7.55	7.70	7.75
Max. teeth height	m	10.50	10.65	10.80	10.75
Min. attachment radius	m	2.81	2.88	2.95	2.55

#### **Digging Forces**

without quick coupler		1	2	3	4
Max. digging force (ISO 6015)	kN	98.7	92.6	87.2	78.2
	t	10.1	9.4	8.9	8.0
Max. breakout force (ISO 6015)	kN	124.6	124.6	124.6	124.6
	t	12.7	12.7	12.7	12.7

Max. breakout force with ripper bucket

156.9 kN (16.0 t)

### **Operating Weight**

The operating weight includes the basic machine with 8 tyres plus intermediate rings, two-piece boom 5.40 m, stick 2.45 m, quick coupler SWA 48 and bucket 1,050 mm/0.80 m<sup>3</sup>.

Undercarriage versions	Weight (kg)
A 920 Litronic with stabilizer blade	18,900
A 920 Litronic with stabilizer blade + 2 pt. outriggers	20,800
A 920 Litconic with 4 pt. outriggers	20,800
A 920 EW Litconic with stabilizer blade	19,100
A 920 EW Litconic with stabilizer blade + 2 pt. outriggers	20,900

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

Cutting width	pacity J 7451¹)	Weight		Stabi rai:	lizers sed		St	abiliz do	er blad wn	le		abiliz pt. ou do			4 p		outrigg own	ers		Stabi	W lizers sed		St	abiliz	:W zer bla own	de		E) abilize pt. ou do	er bla itrigg	
3	Cap ISO	We	Sti	ick le	ngth (	m)	Sti	ck lei	ngth (n	n)	St	ick lei	ngth (	(m)	St	ick le	ngth (	m)	Sti	ick le	ngth (	m)	St	ick le	ngth (	(m)	St	ick ler	ıgth (ı	m)
mm	m³	kg	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05
6502)	0.55	510	П																											
8502)	0.60	550																												
1,0502)	0.80	630			Δ	Δ																								
1,2502)	1.00	730	Δ	_	_	_	Δ	Δ	Δ	-									Δ	Δ	Δ	_			Δ	Δ				
1,4002)	1.15	790	-	_	_	_	Δ	_	-	-									Δ	_	_	_	Δ	Δ	Δ	-				
6503)	0.55	570																												
8503)	0.60	620																												
1,0503)	0.80	710		Δ	Δ	Δ				Δ												Δ								
1,2503)	1.00	820	_	_	_	_	Δ	Δ	-	_									Δ	Δ	Δ	_			Δ	Δ				
1,4003)	1.15	880	-	_	_	_	_	_	-	-									-	-	_	_	Δ	Δ	_	_				
6504)	0.60	530																												
8504)	0.65	590																												
1,0504)	0.85	670		Δ	Δ	_				Δ												Δ								
1,2504)	1.05	770	-	_	_	_	Δ	Δ	-	-									Δ	Δ	_	_		Δ	Δ	Δ				
1,4004)	1.20	840	_	_	_	_	_	_	_	_									_	_	_	_	Δ	Δ	_	_				

indicated loads are based on ISO 10567 and do not exceed 75% of tipping or 87% of hydraulic capacity, max. stick length without quick coupler, lifted 360° on firm with blocked oscillating axle 1) comparable with SAE (heaped)

<sup>2)</sup> Bucket with teeth 3) Bucket with teeth in HD-version 4) Bucket with cutting edge (also available in HD-version)

### Lift Capacities with Two-Piece Boom 5.40 m

#### Stick 2.25 m Stick 2.45 m 3.0 m 4.5 m 6.0 m 7.5 m 3.0 m 4.5 m 6.0 m 7.5 m **1** -50 Undercarriage m Undercarriage Stabilizers raised 4.1\* 4.1\* Stabilizers raised 4.1\* 4.1\* Stabilizer blade down Stabilizer blade down 9.0 Blade + 2 pt. outr. down Blade + 2 pt. outr. down 41\* 41\* 4 pt. outriggers down 4.1\* 4.1\* 4 pt. outriggers down 3.4\* 5.1\* 5.1\* Stabilizers raised 5.1 5.5 3.3 Stabilizers raised 3.0 3.1\* Stabilizer blade down 5.5 5.5 3.4\* 3.4\* Stabilizer blade down 5.1 5.1 3.1\* 3.1\* 3 4\* 3.1\* Blade + 2 pt. outr. down 5.5 5.5 3 4\* Blade + 2 pt. outr. down 5.1 5.1 3.1\* 3.1 3.1\* 4 pt. outriggers down 5 5\* 5 5 3 4\* 3.4\* 4 pt. outriggers down 5.1\* 5.1\* 3.1\* 3.1\* 3.1\* 3 1 5.8\* 3.2 5.2 2.3 3.1\* 2.2 Stabilizers raised 5.1 Stabilizers raised 5.1 5.3\* 3.2 5.1 2.8\* Stabilizer blade down 5.6 5.8\* 3.5 5.4\* 2.5 3.1\* Stabilizer blade down 5.3\* 5.3\* 3.5 5.1 2.4 2.8\* 6.0 7.0 7.2 3 1\* 3 1\* Rlade + 2 nt outr down Blade + 2 nt outr down 5.8\* 5.8\* 52 5.4\* 5.3\* 5 3\* 5.1\* 5 1 2.8\* 2.8\* 4 pt. outriggers down 5.8\* 5.8\* 5.4\* 5.4\* 3.1\* 3.1\* 4 pt. outriggers down 5.3\* 5.3 5.1\* 5.1 2.8\* 2.8\* Stabilizers raised 8.3\* 4.9 7.6\* 3.2 5.2 3.4 1.8 3.0\* Stabilizers raised 6.5\* 4.9 6.6 3.2 5.2 1.7 2.7\* Stabilizer blade down 8.3\* 8.3\* 5.4 7.6\* 3.5 6.3\* 2.2 4.0 2.0 3.0\* Stabilizer blade down 6.5\* 6.5 5.4 6.6 3.5 6.1\* 2.2 4.3\* 1.9 2.7\* 4.5 7.7 7.9 7 6 3.5 3.0\* 6.5\* 3.5 2 7\* 27\* Blade + 2 nt outr down 8.3\* 8.3 7.6 52 6.2\* 4 0\* 3.0\* Blade + 2 pt\_outr\_down 6.5\* 6.6 6.63 52 6 1 4.3\* 4 pt. outriggers down 8.3\* 8.3\* 7.6\* 7.6\* 61 6.2\* 4 0\* 4 0\* 3.0\* 3.0\* 4 pt. outriggers down 6.5\* 6.5\* 6.6\* 6.63 6 1 6 1 42 4.3\* 2 7\* 27\* Stabilizers raised 8.5 13.1\* 4.7 7.8 3.2 5.1 2.0 3.4 1.6 2.9 Stabilizers raised 8.5 13.3\* 4.7 7.8 3.1 5.1 2.0 3.4 1.5 2.8\* Stabilizer blade down 9.5 13.1\* 5.2 9.0\* 3.5 6.8\* 22 5.7\* 1.8 3.1\* Stabilizer blade down 9.5 13.3\* 5.2 8.8 3.4 6.7\* 22 5.6\* 1.7 2.8\* 3.0 8.1 8.3 Blade + 2 pt. outr. down Blade + 2 pt. outr. down 13.1\* 13.1\* 7.8 9.0 5.2 6.8\* 3.5 3.0 3.1\* 13.3\* 13.3\* 7.8 8.8 5.1 6.7 3.5 5.6\* 2.8\* 2.8\* 5.7\* 4 pt. outriggers down 13.1\* 13.1 9.0\* 9.0 6.0 6.8\* 4.1 5.7\* 3.1\* 3 1\* 4 pt. outriggers down 13.3\* 13.3\* 8.8\* 8.8\* 5.9 6.7 41 5.6\* 2.8\* 2.8\* 2.8 Stabilizers raised 8.3 | 13.0\* 4.6 7.7 3.1 5.1 1.9 3.3 1.5 Stabilizers raised 8.3 12.8\* 4.6 7.6 3.1 5.0 1.9 3.4 1.4 2.7 9.3 13.0\* 10.1 1.7 9.2 12.8\* 10.0\* 1.6 Stabilizer blade down 5.1 3.4 7.3 2.1 5.8 3.2\* Stabilizer blade down 5.1 3.4 7.2 2.1 5.8\* 2.9\* 8.2 8.4 13.0\* 13.0\* 7.7 10.1\* 7.3\* 5.8\* 2.8 3.2\* 12.8\* 12.8\* 7.6 10.0\* 7.2\* 5.7\* 2.7 Blade + 2 pt. outr. down 5.1 3.4 Blade + 2 pt. outr. down 5.1 3.4 2.9\* 4 nt outriggers down 13.0\* 13.0\* 9 0 10.1 59 7.3\* 4 0 5.8\* 3.2\* 3.2\* 4 nt outriggers down 12 8\* 12 8\* 90 10.01 59 7 2 4 1 5.7\* 2 9\* 29\* Stabilizers raised 8.0 15.0\* 45 7.7 2.8 49 1.8 3.2 1.5 29 Stabilizers raised 8.1 14.6\* 4.5 7.6 29 49 1.8 32 14 27 Stabilizer blade down 9.0 15.0\* 4.9 10.3\* Stabilizer blade down 9.1 14.6\* 4.9 7.4\* 3.1 7.5\* 2.0 5.7 1.7 3.6\* 10.3 3.2 2.0 5.7 1.6 3.3\* n 8.2 8.0 n Blade + 2 pt. outr. down 14.8 14.9\* 7.7 10.3\* 4.9 7.4\* 3.3 5.8\* 2.9 3.6\* Blade + 2 pt. outr. down 14.6\* 14.6\* 7.7 10.2 5.0 7.4 3.3 5.8 2.8 3.3\* 14.9\* 14.9\* 9.0 10.3\* 5.9 7.4\* 3.9 5.8\* 3.5 3.6\* 14.6\* 14.6\* 9.0 10.2\* 5.9 7.4\* 3.9 5.8\* 3.3\* 4 pt. outriggers down 4 pt. outriggers down 3.3\* Stabilizers raised 7.6 15.4 42 7.6 26 46 17 3.1 Stabilizers raised 7.6 15.3 42 7.6 26 46 16 3.1 1.6 3.0 Stabilizer blade down 8.5 16.8\* 4.7 10.5 2.9 7.6\* 1.9 4.4\* Stabilizer blade down 8.5 16.6\* 4.7 10.4 2.9 7.5 1.9 5.1 1.8 3.9\* -1.57.7 7.5 4.4\* Blade + 2 pt. outr. down 15.2 16.8\* 7.6 10.4\* 7.6\* 3.2 Blade + 2 pt. outr. down 15.1 16.6\* 7.6 10.4 4.7 7.5 5.1\* 3.0 3.9\* 4 pt. outriggers down 16.8\* 16.8\* 9.2 10.4 5.6 7.6\* 3.8 4.4\* 4 pt. outriggers down 16.6\* 16.6\* 9.2 10.4\* 5.6 7.5\* 3.8 5.1 3.7 3.9\* Stabilizers raised 75 154 39 72 24 44 21 3.8 74 153 39 44 19 Stabilizers raised 72 24 36 Stabilizer blade down 8.4 17.4\* 4.3 10.6\* 27 6.3\* 2.3 4.5\* Stabilizer blade down 8.4 17.2\* 4.4 10.7 27 6.7 22 4 4\* -3.0 6.5 -3.06.8 15.0 17.3\* 7.2 3.9 4.4\* Blade + 2 pt. outr. down 15.0 17.2\* 7.2 3.6 4.3\* Blade + 2 pt. outr. down 10.6 4.4 6.2 10.7 4.4 6.7 4 pt. outriggers down 17.3\* 17.3\* 8.8 10.6\* 5.4 6.2\* 4.4\* 4.4\* 4 pt. outriggers down 17.2\* 17.2\* 8.9 10.7\* 5.4 6.7 4.3\* 4.3\* Stabilizers raised 7.2 13.3\* 7.2 11.8 4.7 7.5 Stabilizers raised 3.7 6.5 3.6 6.0\* Stabilizer blade down 8.1 11.8 5.3 7.5\* Stabilizer blade down 8.1 13.3\* 4.2 6.5 4.0 6.0\* 3.9 4.6 Blade + 2 pt. outr. down | 11.7\* | 11.7\* 7.4\* 7.4\* Blade + 2 pt. outr. down | 13.2\* | 13.2\* | 6.4\* 6.4\* 6.0\* 6.0\* 4 pt. outriggers down 11.7\* 11.7\* 7.4\* 4 pt. outriggers down 13.2\* 13.2\* 6.0\* 6.0\* \$\frac{1}{4}\$ Height ■ Can be slewed through 360° In longitudinal position of undercarriage \$\textit{\epsilon}\$ Max. reach \* Limited by hydr. capacity

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool are stated in 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. 12 t). Without the quick coupler, lift capacities will increase

### Lift Capacities with Two-Piece Boom 5.40 m

M		3.0	) m	4.5	m	6.0	m	7.5	m				. 1		3.0	m	4.5	m	6.0	m	7.5	m		-	쐀
n	Undercarriage	5	<u>L</u>	5	L	<u>5</u>	<u>L</u>	<del>5</del>	d.	5	į.	m	<b>1</b>	Undercarriage	<b></b> ∰	L	<u>∰</u>	d L	<u>5</u>	d d	5	<u>L</u>	- <del>4</del>	<u> </u>	
	Stabilizers raised									3.7*	3.7*			Stabilizers raised			3.1*	3.1*					2.8*	2.8*	
.0	Stabilizer blade down									3.7*	3.7*	4.3	9.0	Stabilizer blade down			3.1*	3.1*					2.8*	2.8*	
	Blade + 2 pt. outr. down									3.6*	3.6*		0.0	Blade + 2 pt. outr. down			3.1*	3.1*					2.8*	2.8*	
	4 pt. outriggers down									3.6*	3.6*			4 pt. outriggers down			3.1*	3.1*					2.8*	2.8*	
	Stabilizers raised					3.1	3.7*			2.8	2.9*			Stabilizers raised					3.2	3.2*			2.3*	2.3*	
5	Stabilizer blade down					3.4	3.7*			2.9*	2.9*	6.3	7.5	Stabilizer blade down					3.2*	3.2*			2.3*	2.3*	
•	Blade + 2 pt. outr. down					3.7*	3.7*			2.9*	2.9*			Blade + 2 pt. outr. down					3.2*	3.2*			2.3*	2.3*	
	4 pt. outriggers down					3.7*	3.7*			2.9*	2.9*			4 pt. outriggers down					3.2*	3.2*			2.3*	2.3*	
	Stabilizers raised					3.2	4.8*			2.0	2.6*			Stabilizers raised					3.3	4.1*	2.0	2.5*	2.0	2.2*	
0	Stabilizer blade down					3.5	4.8*			2.2	2.6*	7.4	6.0	Stabilizer blade down					3.6	4.1*	2.3	2.5*	2.2*	2.2*	
	Blade + 2 pt. outr. down					4.8*	4.8*			2.6*	2.6*		0.0	Blade + 2 pt. outr. down					4.1*	4.1*	2.5*	2.5*	2.2*	2.2*	
	4 pt. outriggers down					4.8*	4.8*			2.6*	2.6*			4 pt. outriggers down					4.1*	4.1*	2.5*	2.5*	2.2*	2.2*	
	Stabilizers raised			4.9	5.8*	3.2	5.2	2.0	3.5	1.6	2.5*			Stabilizers raised			4.9	5.2*	3.2	5.0*	2.1	3.5	1.6	2.1*	
5	Stabilizer blade down			5.4	5.8*	3.5	5.7*	2.3	4.4*	1.8	2.5*	8.1	4.5	Stabilizer blade down			5.2*	5.2*	3.5	5.0*	2.3	3.9*	1.8	2.1*	•
•	Blade + 2 pt. outr. down			5.8*	5.8*	5.2	5.7*	3.5	4.4*	2.5*	2.5*			Blade + 2 pt. outr. down			5.2*	5.2*	5.0*	5.0*	3.6	3.9*	2.1*	2.1*	
	4 pt. outriggers down			5.8*	5.8*	5.7*	5.7*	4.2	4.4*	2.5*	2.5*			4 pt. outriggers down			5.2*	5.2*	5.0*	5.0*	3.9*	3.9*	2.1*	2.1*	
	Stabilizers raised	8.6	13.4*	4.7	7.8	3.1	5.1	2.0	3.5	1.4	2.5*			Stabilizers raised		12.4*	4.7	7.8	3.1	5.0	2.0	3.5	1.4	2.2*	
0	Stabilizer blade down	9.5	13.4*	5.2	8.6*	3.4	6.6*	2.2	5.5*	1.6	2.5*	8.5	3.0	Stabilizer blade down	9.6		5.2	8.0*	3.4	6.3*	2.3	4.9*	1.6	2.2*	
	Blade + 2 pt. outr. down	13.4*	13.4*	7.8	8.5*	5.1	6.5*	3.5	5.5*	2.5*	2.5*		0.0	Blade + 2 pt. outr. down	12.4*	12.4*	7.8	8.0*	5.1	6.3*	3.5	4.9*	2.2*	2.2*	
	4 pt. outriggers down	13.4*	13.4*	8.5*	8.5*	5.9	6.5*	4.2	5.5*	2.5*	2.5*			4 pt. outriggers down	12.4*	12.4*	8.0*	8.0*	5.9	6.3*	4.1	4.9*	2.2*	2.2*	
	Stabilizers raised	8.2	12.8*	4.6	7.6	3.1	5.0	1.9	3.4	1.4	2.6			Stabilizers raised	8.2	13.3*	4.5	7.5	3.0	5.0	1.9	3.4	1.3	2.4*	
5	Stabilizer blade down	9.2	12.8*	5.0	9.8*	3.4	7.1*	2.1	5.7*	1.5	2.7*	8.6	1.5	Stabilizer blade down	9.1	13.3*	5.0	9.5*	3.3	6.9*	2.2	5.6*	1.5	2.4*	
	Blade + 2 pt. outr. down	12.8*	12.8*	7.6	9.8*	5.1	7.1*	3.4	5.7*	2.6	2.7*			Blade + 2 pt. outr. down	13.3*	13.3*	7.6	9.5*	5.0	6.9*	3.4	5.5*	2.4*	2.4*	
	4 pt. outriggers down	12.8*	12.8*	8.9	9.8*	5.9	7.1*	4.1	5.7*	2.7*	2.7*			4 pt. outriggers down		13.3*	8.9	9.5*	5.8	6.9*	4.1	5.5*	2.4*	2.4*	
	Stabilizers raised	8.1	14.3*	4.5	7.6	2.9	5.0	1.8	3.2	1.4	2.6			Stabilizers raised	8.1	14.2*	4.5	7.5	2.9	5.0	1.8	3.2	1.3	2.5	
	Stabilizer blade down	9.1	14.3*	5.0	10.2*	3.2	7.4*	2.0	5.7	1.5	3.0*	8.4	0	Stabilizer blade down	9.1	14.2*	5.0	10.1*	3.2	7.3*	2.0	5.7	1.5	2.7*	
	Blade + 2 pt. outr. down	14.3*	14.3*	7.6	10.2*	5.0	7.3*	3.3	5.7*	2.7	3.0*			Blade + 2 pt. outr. down	14.1*	14.1*	7.5	10.1*	5.0	7.3*	3.3	5.6*	2.5	2.7*	
	4 pt. outriggers down	14.3*	14.3*	8.9	10.2*	5.9	7.3*	3.9	5.7*	3.0*	3.0*			4 pt. outriggers down	14.1*	14.1*	8.8	10.1*	5.8	7.3*	3.9	5.6*	2.7*	2.7*	
	Stabilizers raised	7.6	15.1	4.2	7.5	2.6	4.7	1.6	3.1	1.5	2.8			Stabilizers raised		14.9	4.2	7.6	2.6	4.7	1.6	3.1	1.4	2.7	
5	Stabilizer blade down	8.5	16.4*	4.6	10.3*	2.9	7.5*	1.9	5.4*	1.7	3.5*	7.9	-1.5	Stabilizer blade down	8.6	16.0*	4.6	10.2*	2.9	7.3*	1.8	5.5*	1.6	3.2*	
	Blade + 2 pt. outr. down	14.9	16.3*	7.6	10.3*	4.7	7.4*	3.1	5.3*	2.9	3.5*			Blade + 2 pt. outr. down	14.7	15.9*	7.6	10.2*	4.7	7.3*	3.1	5.5*	2.7	3.3*	
	4 pt. outriggers down	16.3*	16.3*	9.1	10.3*	5.6	7.4*	3.8	5.3*	3.5*	3.5*			4 pt. outriggers down	15.9*		9.0	10.2*	5.6	7.3*	3.8	5.5*	3.3*	3.3*	
	Stabilizers raised	7.4	15.2	3.9	7.3	2.4	4.4			1.8	3.4			Stabilizers raised		15.2	3.9	7.3	2.3	4.4			1.6	3.2	
0	Stabilizer blade down	8.3	17.0*	4.4	10.7*	2.7	7.1*			2.0	4.3*	7.0	-3.0	Stabilizer blade down	8.3	16.8*	4.4	10.5*	2.6	7.3*			1.9	4.4*	
	Blade + 2 pt. outr. down	14.9	17.0*	7.3	10.7*	4.4	7.0*			3.4	4.3*		2.0	Blade + 2 pt. outr. down		16.7*	7.3	10.4*	4.4	7.3*			3.2	4.4*	
	4 pt. outriggers down	17.0*	17.0*	8.9	10.7*	5.4	7.0*			4.1	4.3*			4 pt. outriggers down	16.7*		8.9	10.4*	5.3	7.3*			3.9	4.4*	
	Stabilizers raised	7.1	14.6*	3.7	7.0					3.0	5.2*			Stabilizers raised	7.0	14.7	3.6	6.9					2.4	4.4*	
5	Stabilizer blade down		14.6*	4.1	7.6*					3.4	5.2*	5.1	-4.5	Stabilizer blade down	7.9	15.8*	4.0	8.7*					2.7	4.4*	
	Blade + 2 pt. outr. down 4 pt. outriggers down		14.5* 14.5*	7.0 7.5*	7.5* 7.5*					5.2* 5.2*	5.2* 5.2*			Blade + 2 pt. outr. down 4 pt. outriggers down	14.4 15.7*	15.7*	6.8 8.5	8.6* 8.6*					4.3* 4.3*	4.3* 4.3*	

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool 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. 12 t). Without the quick coupler, lift capacities will increase by up to 226 kg.

### Lift Capacities with Two-Piece Boom 5.40 m, EW-Undercarriage

		3.0	) m	4.5	m	6.0	m	7.5	m		N. C.	<u> </u>	M		3.0	m	4.5	m	6.0	m	7.5	m			A
₩ m	Undercarriage	5	<u>L</u>		L	<del></del>	<u>L</u>	<del></del> 5	L		<u> </u>	m	1 🔻	Undercarriage	<u>5</u>	L	<b></b> 5	<u>L</u>	<del></del>	<u>L</u>	<del></del> 5	<u>L</u>	<b>*</b>	<u>_</u>	
9.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down												9.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down									4.1* 4.1* 4.1*	4.1* 4.1* 4.1*	;
7.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			5.5* 5.5* 5.5*	5.5* 5.5* 5.5*					3.4* 3.4* 3.4*	3.4* 3.4* 3.4*	5.7	7.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			5.1* 5.1* 5.1*	5.1* 5.1* 5.1*	3.1*	3.1*			3.1* 3.1* 3.1*	3.1* 3.1* 3.1*	
6.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			5.6 5.8* 5.8*	5.8* 5.8* 5.8*	3.5 3.8 5.4*	5.2 5.4* 5.4*			2.5 2.8 3.1*	3.1* 3.1* 3.1*	7.0	6.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			5.3* 5.3* 5.3*	5.3* 5.3* 5.3*	3.5 3.9 5.1*	5.1* 5.1* 5.1*			2.4 2.7 2.8*	2.8* 2.8* 2.8*	
4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	8.3* 8.3* 8.3*	8.3* 8.3* 8.3*	5.4 5.9 7.6*	7.6* 7.6* 7.6*	3.5 3.9 5.4	5.2 6.3* 6.2*	2.2 2.4 3.7	3.5 4.0* 4.0*	2.1 2.3 3.0*	3.0* 3.0* 3.0*	7.7	4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	6.5* 6.5* 6.5*	6.5* 6.5* 6.5*	5.4 5.9 6.6*	6.6* 6.6* 6.6*	3.5 3.9 5.4	5.2 6.1* 6.1*	2.2 2.5 3.7	3.5 4.3* 4.3*	2.0 2.2 2.7*	2.7* 2.7* 2.7*	
3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	9.5 10.5 13.1*	13.1* 13.1* 13.1*	5.2 5.7 8.1	7.8 9.0* 9.0*	3.5 3.8 5.4	5.1 6.8* 6.8*	2.2 2.4 3.6	3.5 5.7* 5.7*	1.8 2.0 3.1*	3.0 3.1* 3.1*	8.1	3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	9.5 10.5 13.3*	13.3* 13.3* 13.3*	5.2 5.7 8.1	7.8 8.8* 8.8*	3.5 3.8 5.3	5.1 6.7* 6.7*	2.2 2.4 3.7	3.5 5.6* 5.6*	1.7 1.9 2.8*	2.8* 2.8* 2.8*	
1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	9.3 10.3 13.0*	13.0* 13.0* 13.0*	5.1 5.6 8.0	7.7 10.1* 10.1*	3.4 3.7 5.3	5.1 7.3* 7.3*	2.1 2.3 3.6	3.4 5.8* 5.8*	1.7 1.9 3.0	2.8 3.2* 3.2*	8.2	1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	9.3 10.2 12.8*	12.9* 12.8* 12.8*	5.1 5.6 8.0	7.7 10.0* 10.0*	3.4 3.8 5.3	5.1 7.2* 7.2*	2.1 2.4 3.6	3.4 5.8* 5.7*	1.6 1.8 2.9	2.7 2.9* 2.9*	
0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	9.1 10.2 14.9*	15.0* 15.0* 14.9*	5.0 5.5 8.1	7.8 10.3* 10.3*	3.2 3.5 5.2	4.9 7.5* 7.4*	2.0 2.2 3.4	3.2 5.8 5.8*	1.7 2.0 3.1	2.9 3.6* 3.6*	8.0	0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	9.1 10.2 14.6*	14.6* 14.6* 14.6*	5.0 5.5 8.0	7.7 10.3* 10.2*	3.2 3.5 5.2	5.0 7.4* 7.4*	2.0 2.2 3.4	3.3 5.8 5.8*	1.6 1.9 2.9	2.8 3.3* 3.3*	
1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	8.6 9.7 15.9	15.5 16.8* 16.8*	4.7 5.2 8.0	7.6 10.5* 10.4*	2.9 3.2 4.9	4.7 7.6* 7.6*			1.9 2.1 3.4	3.2 4.4* 4.4*	7.5	-1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	8.6 9.7 15.8	15.4 16.6* 16.6*	4.7 5.2 8.0	7.6 10.4* 10.4*	2.9 3.2 4.9	4.7 7.5* 7.5*	1.9 2.1 3.3	3.1 5.1* 5.1*	1.8 2.0 3.2	3.0 3.9* 3.9*	
3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	8.5 9.6 16.1	15.5 17.4* 17.3*	4.4 4.9 7.6	7.2 10.6* 10.6*	2.7 3.0 4.7	4.5 6.3* 6.2*			2.3 2.6 4.1	3.9 4.5* 4.4*	6.5	-3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	8.4 9.5 16.0	15.4 17.2* 17.2*	4.4 4.9 7.6	7.3 10.7* 10.7*	2.7 3.0 4.7	4.5 6.7* 6.7*			2.2 2.4 3.8	3.6 4.4* 4.3*	
1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	8.2 9.3 11.7*	11.8* 11.8* 11.7*							5.3 5.9 7.4*	7.5* 7.5* 7.4*	3.9	-4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	8.1 9.2 13.2*	13.3* 13.3* 13.2*	4.2 4.7 6.4*	6.5* 6.5* 6.4*					4.0 4.5 6.0*	6.0* 6.0* 6.0*	

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool 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. 12 t). Without the quick coupler, lift capacities will increase by up to 226 kg.

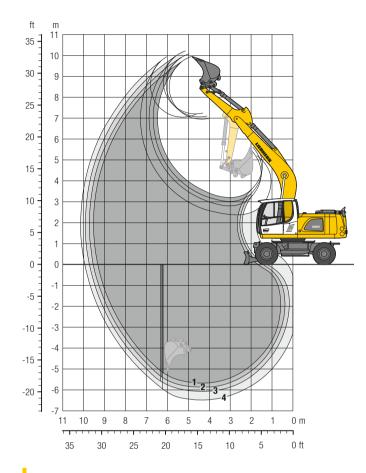
### Lift Capacities with Two-Piece Boom 5.40 m, EW-Undercarriage

		3.0	) m	4.5	m	6.0	m	7.5	m		<u> </u>	<b>4</b>			3.0	m	4.5	m	6.0	m	7.5	m			Δ
<b>∜</b> m	Undercarriage		<u>L</u>		L	<del></del>	<u>L</u>	<u></u> ∰	L		į.	m	1 🔻	Undercarriage	<u></u> 5	L	<del></del>	<u>L</u>	<del>5</del>	<u>L</u>	<del></del>	<u>L</u>	- <del>-</del> 5	L	
9.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down									3.7* 3.7* 3.6*	3.7* 3.7* 3.6*	4.3	9.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			3.1* 3.1* 3.1*	3.1* 3.1* 3.1*					2.8* 2.8* 2.8*	2.8* 2.8* 2.8*	4
7.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					3.4 3.7* 3.7*	3.7* 3.7* 3.7*			2.9* 2.9* 2.9*	2.9* 2.9* 2.9*	6.3	7.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					3.2* 3.2* 3.2*	3.2* 3.2* 3.2*			2.3* 2.3* 2.3*	2.3* 2.3* 2.3*	
6.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					3.6 3.9 4.8*	4.8* 4.8* 4.8*			2.3 2.5 2.6*	2.6* 2.6* 2.6*	7.4	6.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					3.6 3.9 4.1*	4.1* 4.1* 4.1*	2.3 2.5* 2.5*	2.5* 2.5* 2.5*	2.2* 2.2* 2.2*	2.2* 2.2* 2.2*	
4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			5.4 5.8 5.8*	5.8* 5.8* 5.8*	3.5 3.8 5.4	5.2 5.7* 5.7*	2.3 2.5 3.7	3.5 4.4* 4.4*	1.8 2.1 2.5*	2.5* 2.5* 2.5*	8.1	4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			5.2* 5.2* 5.2*	5.2* 5.2* 5.2*	3.5 3.8 5.0*	5.0* 5.0* 5.0*	2.3 2.5 3.7	3.5 3.9* 3.9*	1.8 2.0 2.1*	2.1* 2.1* 2.1*	
3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	9.5 10.5 13.4*	13.4* 13.4* 13.4*	5.2 5.7 8.1	7.8 8.6* 8.5*	3.4 3.8 5.3	5.1 6.6* 6.5*	2.2 2.5 3.7	3.5 5.5* 5.5*	1.6 1.8 2.5*	2.5* 2.5* 2.5*	8.5	3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	9.6 10.6 12.4*	12.4* 12.4* 12.4*	5.2 5.7 8.0*	7.8 8.0* 8.0*	3.4 3.7 5.3	5.1 6.3* 6.3*	2.3 2.5 3.7	3.5 4.9* 4.9*	1.6 1.8 2.2*	2.2* 2.2* 2.2*	
1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	9.2 10.2 12.8*	12.8* 12.8* 12.8*	5.1 5.6 7.9	7.6 9.8* 9.8*	3.4 3.7 5.3	5.0 7.1* 7.1*	2.1 2.4 3.6	3.4 5.7* 5.7*	1.5 1.7 2.7*	2.6 2.7* 2.7*	8.6	1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	9.2* 10.1 13.3*	13.3* 13.3* 13.3*	5.0 5.5 7.9	7.6 9.5* 9.5*	3.4 3.7 5.2	5.0 6.9* 6.9*	2.2 2.4 3.6	3.4 5.6* 5.5*	1.5 1.7 2.4*	2.4* 2.4* 2.4*	
0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	10.2		5.0 5.5 8.0	7.6 10.2* 10.2*	3.2 3.6 5.3	5.0 7.4* 7.3*	2.0 2.2 3.5	3.3 5.7* 5.7*	1.6 1.8 2.8	2.6 3.0* 3.0*	8.4	0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	10.1	14.2* 14.2* 14.1*	5.0 5.5 7.9	7.6 10.1* 10.1*	3.2 3.6 5.2	5.0 7.3* 7.3*	2.0 2.2 3.5	3.3 5.7* 5.6*	1.5 1.7 2.7	2.5 2.7* 2.7*	
1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	8.6 9.7 15.7	15.2 16.4* 16.3*	4.7 5.2 8.0	7.6 10.3* 10.3*	2.9 3.3 5.0	4.7 7.5* 7.4*	1.9 2.1 3.3	3.1 5.4* 5.3*	1.7 1.9 3.0	2.9 3.5* 3.5*	7.9	-1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	8.6 9.7 15.5	15.0 16.0* 15.9*	4.7 5.2 8.0	7.6 10.2* 10.2*	2.9 3.3 5.0	4.7 7.3* 7.3*	1.8 2.1 3.3	3.1 5.5* 5.5*	1.6 1.8 2.9	2.7 3.2* 3.3*	
3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	8.4 9.5 16.0	15.4 17.0* 17.0*	4.4 4.9 7.7	7.3 10.7* 10.7*	2.7 3.0 4.7	4.5 7.1* 7.0*			2.0 2.3 3.6	3.4 4.3* 4.3*	7.0	-3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	8.3 9.4 15.9	15.3 16.8* 16.7*	4.4 4.9 7.7	7.3 10.5* 10.4*	2.6 3.0 4.6	4.4 7.3* 7.3*			1.9 2.1 3.4	3.2 4.4* 4.4*	
4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	8.1 9.2 14.5*	14.6* 14.6* 14.5*	4.2 4.7 7.4	7.0 7.6* 7.5*					3.4 3.8 5.2*	5.2* 5.2* 5.2*	5.1	-4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	8.0 9.1 15.4	14.8 15.8* 15.7*	4.1 4.6 7.2	6.9 8.7* 8.6*					2.7 3.0 4.3*	4.4* 4.4* 4.3*	

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool 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. 12 t). Without the quick coupler, lift capacities will increase by up to 226 kg.

### Backhoe Bucket

#### with Mono Boom 5.60 m



#### **Digging Envelope**

with quick coupler		1	2	3	4
Stick length	m	2.25	2.45	2.65	3.05
Max. digging depth	m	5.70	5.90	6.10	6.50
Max. reach at ground level	m	9.35	9.55	9.75	9.95
Max. dumping height	m	6.95	7.05	7.20	7.05
Max. teeth height	m	9.95	10.00	10.20	9.95
Min. attachment radius	m	3.38	3.41	3.44	3.43

### **Digging Forces**

without quick coupler		1	2	3	4
Max. digging force (ISO 6015)	kN	98.7	92.6	87.2	78.2
	t	10.1	9.4	8.9	8.0
Max. breakout force (ISO 6015)	kN	124.6	124.6	124.6	124.6
	t	12.7	12.7	12.7	12.7

Max. breakout force with ripper bucket

156.9 kN (16.0 t)

#### **Operating Weight**

The operating weight includes the basic machine with 8 tyres plus intermediate rings, mono boom 5.60 m, stick 2.45 m, quick coupler SWA 48 and bucket 1,050 mm/0.80 m<sup>3</sup>.

Undercarriage versions	Weight (kg)
A 920 Litronic with stabilizer blade	18,300
A 920 Litronic with stabilizer blade + 2 pt. outriggers	20,000
A 920 Litronic with 4 pt. outriggers	20,000
A 920 EW Litronic with stabilizer blade	18,400
A 920 EW Litronic with stabilizer blade + 2 pt. outriggers	20,100

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

Cutting width	Capacity ISO 7451 <sup>1)</sup>	Weight		Stabi rais	sed			abilizo do: ick lei	wn		+ 2	abiliz 2 pt. oo do ick le	utrigg wn	ers	do	utrigg wn ngth (			Stabi rai	W lizers sed ngth (		abiliz do	W er bla own ength		+ 2	EV abilize pt. ou dov ick len	er blad itrigge vn	rs
mm	m³	kg																						1 1		2.45	- 1	•
6502)	0.55	510																										
8502)	0.60	550																										
1,0502)	0.80	630			Δ	Δ														Δ	Δ							
1,2502)	1.00	730	Δ	_	_	_	Δ	Δ	Δ	_								Δ	_	_	_							
1,4002)	1.15	790	_	_	_	_	Δ	_	_	_				Δ			Δ	_	_	_	_			Δ				Δ
6503)	0.55	570																										
8503)	0.60	620																										
1,0503)	0.80	710		Δ	Δ	Δ				Δ									Δ	Δ	Δ							
1,2503)	1.00	820	_	_	_	_	Δ	Δ	_	_								_	_	_	_							
1,4003)	1.15	880	_	_	_	_	_	_	_	_				Δ			Δ	_	_	_	_			Δ				Δ
6504)	0.60	530																										
8504)	0.65	590																										
1,0504)	0.85	670	Δ	Δ	Δ	-				Δ								Δ	Δ	Δ	Δ							
1,2504)	1.05	770	-	-	-	-	Δ	Δ	-	-								-	-	_	_							
1,4004)	1.20	840	-	-	-	-	-	_	-	-				Δ			Δ	-	_	-	-			Δ				Δ

indicated loads are based on ISO 10567 and do not exceed 75% of tipping or 87% of hydraulic capacity, max. stick length without quick coupler, lifted 360° on firm with blocked oscillating axle 1) comparable with SAE (heaped)

Max. material weight  $\blacksquare = \le 1.8 \text{ t/m}^3$ ,  $\blacksquare = \le 1.5 \text{ t/m}^3$ ,  $\triangle = \le 1.2 \text{ t/m}^3$ , - = not authorised

<sup>&</sup>lt;sup>2)</sup> Bucket with teeth <sup>3)</sup> Bucket with teeth in HD-version <sup>4)</sup> Bucket with cutting edge (also available in HD-version)

### Lift Capacities with Mono Boom 5.60 m

M		3.0	m	4.5	m	6.0	m	7.5	m				•		3.0	m	4.5	m	6.0	m	7.5	m			4
n	Undercarriage	<u></u> 5	<u>L</u>	<u>⊶</u> 5	L	5	d.	<del></del> 5	<u>L</u>		J.	m	<b>‡</b>	Undercarriage	<u>⊶</u> 5	L		d.	<u>5</u>	d.	<u>5</u>	ď	· 	, <mark>H</mark>	Ī
	Stabilizers raised			-		-	_		_					Stabilizers raised	-	_	-	_			-	_		_	
_	Stabilizer blade down													Stabilizer blade down											
0.0	Blade + 2 pt. outr. down												9.0	Blade + 2 pt. outr. down											
	4 pt. outriggers down													4 pt. outriggers down											
	Stabilizers raised									2.6*	2.6*			Stabilizers raised					3.1	3.3*			2.4*	2.4*	·T
.5	Stabilizer blade down									2.6*	2.6*	6.0	7.5	Stabilizer blade down					3.3*	3.3*			2.4*	2.4*	
.o	Blade + 2 pt. outr. down									2.6*	2.6*	0.0	7.5	Blade + 2 pt. outr. down					3.3*	3.3*			2.4*	2.4*	
	4 pt. outriggers down									2.6*	2.6*			4 pt. outriggers down					3.3*	3.3*			2.4*	2.4*	
	Stabilizers raised					3.1	5.1			2.2	2.4*			Stabilizers raised					3.1	5.0*			2.1	2.2*	
0.6	Stabilizer blade down					3.3	5.1*			2.4*	2.4*	7.1	6.0	Stabilizer blade down					3.4	5.0*			2.2*	2.2*	
.0	Blade + 2 pt. outr. down					5.1	5.1*			2.4*	2.4*	7.1	0.0	Blade + 2 pt. outr. down					5.0*	5.0*			2.2*	2.2*	
	4 pt. outriggers down					5.1*	5.1*			2.4*	2.4*			4 pt. outriggers down					5.0*	5.0*			2.2*	2.2*	
	Stabilizers raised			4.6	6.7*	2.9	4.9	2.0	3.4	1.8	2.3*			Stabilizers raised			4.6	6.4*	2.9	4.9	2.0	3.4	1.7	2.1*	
.5	Stabilizer blade down			5.0	6.7*	3.2	5.6*	2.2	4.0*	2.0	2.3*	7.8	4.5	Stabilizer blade down			5.1	6.4*	3.2	5.4*	2.2	4.3*	1.9	2.1*	
J	Blade + 2 pt. outr. down			6.7*	6.7*	5.0	5.6*	3.4	4.0*	2.3*	2.3*	7.0	4.5	Blade + 2 pt. outr. down			6.4*	6.4*	5.0	5.4*	3.4	4.3*	2.1*	2.1*	
	4 pt. outriggers down			6.7*	6.7*	5.6*	5.6*	4.0*	4.0*	2.3*	2.3*			4 pt. outriggers down			6.4*	6.4*	5.4*	5.4*	4.1	4.3*	2.1*	2.1*	
	Stabilizers raised			4.1	7.3	2.7	4.7	1.9	3.3	1.6	2.4*			Stabilizers raised			4.1	7.3	2.7	4.7	1.9	3.3	1.5	2.2*	
.0	Stabilizer blade down			4.5	8.2*	3.0	6.2*	2.1	5.2*	1.8	2.4*	8.2	3.0	Stabilizer blade down			4.5	8.0*	3.0	6.1*	2.1	5.1*	1.7	2.2*	
	Blade + 2 pt. outr. down			7.3	8.2*	4.7	6.2*	3.3	5.2*	2.4*	2.4*	0.2	0.0	Blade + 2 pt. outr. down			7.4	8.0*	4.7	6.1*	3.3	5.1*	2.2*	2.2*	
	4 pt. outriggers down			8.2*	8.2*	5.6	6.2*	4.0	5.2*	2.4*	2.4*			4 pt. outriggers down			8.0*	8.0*	5.6	6.1*	4.0	5.1*	2.2*	2.2*	
	Stabilizers raised			3.6	6.8	2.5	4.4	1.8	3.2	1.5	2.6*			Stabilizers raised			3.6	6.8	2.4	4.4	1.7	3.2	1.4	2.3*	
.5	Stabilizer blade down			4.1	9.4*	2.7	6.8*	2.0	5.5*	1.7	2.6*	8.3	1.5	Stabilizer blade down			4.1	9.2*	2.7	6.7*	2.0	5.4*	1.6	2.3*	
	Blade + 2 pt. outr. down			6.8	9.4*	4.5	6.8*	3.2	5.5*	2.6*	2.6*			Blade + 2 pt. outr. down			6.8	9.2*	4.5	6.7*	3.2	5.4*	2.3*	2.3*	
	4 pt. outriggers down			8.4	9.4*	5.4	6.8*	3.9	5.5*	2.6*	2.6*			4 pt. outriggers down	4.0+	4.04	8.4	9.2*	5.4	6.7*	3.8	5.4*	2.3*	2.3*	
	Stabilizers raised			3.4	6.6	2.3	4.3	1.7	3.1	1.5	2.8			Stabilizers raised	4.8*	4.8*	3.4	6.5	2.3	4.2	1.7	3.1	1.4	2.6*	
	Stabilizer blade down			3.9	9.7*	2.6	7.1*	1.9	5.5*	1.7	2.9*	8.0	0	Stabilizer blade down	4.8*	4.8*	3.8	9.7*	2.6	7.0*	1.9	5.5*	1.6	2.6*	
	Blade + 2 pt. outr. down			6.6	9.7*	4.3	7.1*	3.2	5.5*	2.9	2.9*			Blade + 2 pt. outr. down	4.8*	4.8*	6.6	9.7*	4.3	7.0*	3.1	5.5*	2.6*	2.6*	
	4 pt. outriggers down	0.0	0.44	8.1	9.7*	5.2	7.1*	3.8	5.5*	2.9*	2.9*			4 pt. outriggers down	4.8*	4.8*	8.1	9.7*	5.2	7.0*	3.8	5.5*	2.6*	2.6*	
	Stabilizers raised	6.3	8.4*	3.4	6.5	2.3	4.2	1.7	3.1	1.7	3.1			Stabilizers raised	6.2	8.1*	3.3	6.5	2.2	4.2	1.6	3.0	1.6	2.9	
.5	Stabilizer blade down	7.2 8.4*	8.4* 8.4*	3.8 6.5	9.2* 9.2*	2.5 4.3	6.8* 6.8*	1.9 3.1	3.6* 3.6*	1.9 3.1	3.5* 3.5*	7.5	-1.5	Stabilizer blade down	7.1	8.1*	3.8 6.5	9.2* 9.2*	2.5 4.2	6.8* 6.8*	1.8	5.1* 5.1*	1.8 3.0	3.1*	
	Blade + 2 pt. outr. down	8.4*	8.4*	8.1	9.2*	5.2	6.8*	3.6*	3.6*	3.5*	3.5*			Blade + 2 pt. outr. down	8.1* 8.1*	8.1* 8.1*	8.0	9.2*	5.1	6.8*	3.7	5.1*	3.1*	3.1*	
	4 pt. outriggers down Stabilizers raised	6.5		-	6.6	-		3.0	3.0		3.8			4 pt. outriggers down Stabilizers raised			3.4				3.1	5.1		3.1	
	Stabilizers raised Stabilizer blade down	7.4	10.5* 10.5*	3.5	7.8*	2.3	4.3 5.8*			2.1	3.8 4.8*			Stabilizers raised Stabilizer blade down		11.0* 11.0*	3.4	6.5 8.0*	2.3	4.2 5.9*			1.9	3.5 4.2*	
0	Blade + 2 pt. outr. down	10.5*	10.5*	6.6	7.8*	4.3	5.8*			3.8	4.8*	6.6	-3.0	Blade + 2 pt. outr. down	11.0*		6.6	8.0*	4.3	5.9*			3.6	4.2*	
	4 pt. outriggers down	10.5*		7.8*	7.8*	5.2	5.7*			3.8 4.6	4.8*			4 pt. outriggers down	11.0*		8.0*	8.0*	4.3 5.2	5.9*			3.b 4.2*	4.2*	
	4 pt. outriggers down Stabilizers raised	10.5	10.5	3.7	7.8° 5.1*	5.2	5.7			3.2	4.8"			4 pt. outriggers down Stabilizers raised	11.0"	11.0	3.6	5.5*	5.2	5.9"			2.8	4.2*	
	Stabilizers raised Stabilizer blade down			4.1	5.1*					3.5	4.2*			Stabilizers raised Stabilizer blade down			4.0	5.5*					3.2	4.2*	
.5	Blade + 2 pt. outr. down			5.0*	5.0*					3.5 4.2*	4.2*	5.1	-4.5	Blade + 2 pt. outr. down			5.5*	5.5*					3.2 4.2*	4.2*	
	4 pt. outriggers down			5.0*	5.0*					4.2*	4.2*			4 pt. outriggers down			5.5*	5.5*					4.2*	4.2*	

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool 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 lift hook on the quick coupler (max. 12 t). Without the quick coupler, lift capacities will increase by up to 226 kg.

		3.0	) m	4.5	m	6.0	m	7.5	m			<u></u>		4	3.0	m	4.5	m	6.0	m	7.5	m		<u></u>	1
m	Undercarriage	5	<u>L</u>	5	L	<b></b> 5	<u>L</u>	<u>⊶</u> 5	L	5	j.	<del>=⊚r</del> m	1 🔻	Undercarriage	<b></b> -∰	<u>L</u>	<b></b> -5	L	<b></b> 5	<u>L</u>	<del></del>	<u>L</u>	- <del>-</del>	L.	n
9.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down												9.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down											
7.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down					3.1 3.4 3.6* 3.6*	3.6* 3.6* 3.6* 3.6*			2.2* 2.2* 2.2* 2.2*	2.2* 2.2* 2.2* 2.2*	6.5	7.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down									1.7* 1.7* 1.7* 1.7*	1.7* 1.7* 1.7* 1.7*	6
6.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down					3.1 3.4 4.8* 4.8*	4.8* 4.8* 4.8* 4.8*	2.0 2.2 2.4* 2.4*	2.4* 2.4* 2.4* 2.4*	2.0* 2.0* 2.0* 2.0*	2.0* 2.0* 2.0* 2.0*	7.6	6.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down							2.0 2.3 2.3* 2.3*	2.3* 2.3* 2.3* 2.3*	1.6* 1.6* 1.6* 1.6*	1.6* 1.6* 1.6* 1.6*	7
4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down					2.9 3.2 5.0 5.2*	4.9 5.2* 5.2* 5.2*	2.0 2.2 3.4 4.1	3.4 4.3* 4.3* 4.3*	1.6 1.8 1.9* 1.9*	1.9* 1.9* 1.9* 1.9*	8.2	4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down					2.9 3.2 4.9* 4.9*	4.9* 4.9* 4.9* 4.9*	2.0 2.2 3.5 3.8*	3.4 3.8* 3.8* 3.8*	1.6* 1.6* 1.6* 1.6*	1.6* 1.6* 1.6* 1.6*	1
3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down			4.1 4.6 7.4 7.7*	7.4 7.7* 7.7* 7.7*	2.7 3.0 4.7 5.7	4.7 5.9* 5.9* 5.9*	1.8 2.1 3.3 4.0	3.3 5.0* 5.0* 5.0*	1.4 1.6 2.0* 2.0*	2.0* 2.0* 2.0* 2.0*	8.6	3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down	8.6 11.3*	11.3* 11.3* 11.3* 11.3*	4.2 4.7 7.2* 7.2*	7.2* 7.2* 7.2* 7.2*	2.7 3.0 4.8 5.6*	4.7 5.6* 5.6* 5.6*	1.8 2.1 3.3 4.0	3.3 4.8* 4.8* 4.8*	1.4 1.5 1.7* 1.7*	1.7* 1.7* 1.7* 1.7*	
1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down			3.6 4.1 6.8 8.4	6.8 9.1* 9.1* 9.1*	2.4 2.7 4.5 5.4	4.4 6.6* 6.6* 6.6*	1.7 1.9 3.2 3.8	3.1 5.3* 5.3* 5.3*	1.3 1.5 2.1* 2.1*	2.1* 2.1* 2.1* 2.1*	8.6	1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down	5.8* 5.8* 5.8* 5.8*	5.8* 5.8* 5.8* 5.8*	3.7 4.1 6.9 8.5	6.9 8.7* 8.7* 8.7*	2.4 2.7 4.5 5.4	4.4 6.3* 6.3* 6.3*	1.7 1.9 3.2 3.8	3.1 5.1* 5.1* 5.1*	1.3 1.5 1.8* 1.8*	1.8* 1.8* 1.8* 1.8*	
0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down	4.9* 4.9* 4.9* 4.9*	4.9* 4.9* 4.9* 4.9*	3.4 3.8 6.5 8.1	6.5 9.6* 9.6* 9.6*	2.3 2.5 4.3 5.2	4.2 6.9* 6.9* 6.9*	1.6 1.8 3.1 3.7	3.0 5.4* 5.4* 5.4*	1.4 1.5 2.3* 2.3*	2.3* 2.3* 2.3* 2.3*	8.4	0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down	6.0 6.2* 6.2* 6.2*	6.2* 6.2* 6.2* 6.2*	3.4 3.8 6.5 8.1	6.5 9.5* 9.5* 9.5*	2.2 2.5 4.3 5.2	4.2 6.8* 6.8* 6.8*	1.6 1.8 3.1 3.7	3.0 5.4* 5.4* 5.4*	1.3 1.5 2.1* 2.1*	2.1* 2.1* 2.1* 2.1*	
1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down	6.1 7.0 7.8* 7.8*	7.8* 7.8* 7.8* 7.8*	3.3 3.7 6.4 8.0	6.4 9.3* 9.3* 9.3*	2.2 2.5 4.2 5.1	4.1 6.8* 6.8* 6.8*	1.6 1.8 3.1 3.7	3.0 5.2* 5.2* 5.2*	1.5 1.7 2.8* 2.8*	2.8* 2.8* 2.8* 2.8*	7.9	-1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down	6.0 6.9 8.2* 8.2*	8.2* 8.2* 8.2* 8.2*	3.2 3.7 6.4 7.9	6.3 9.4* 9.4* 9.4*	2.1 2.4 4.1 5.0	4.1 6.8* 6.8* 6.8*	1.5 1.8 3.0 3.6	3.0 5.3* 5.3* 5.3*	1.4 1.6 2.6* 2.6*	2.6* 2.6* 2.6* 2.6*	
3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down	6.3	11.4* 11.4* 11.4*	3.3 3.8 6.5 8.0	6.5 8.2* 8.2* 8.2*	2.2 2.5 4.2 5.1	4.2 6.1* 6.1* 6.1*			1.8 2.0 3.4 3.6*	3.3 3.6* 3.6* 3.6*	7.1	-3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down	6.1 7.0 11.2*	11.2* 11.2* 11.2* 11.2*	3.2 3.7 6.4 7.9	6.4 8.5* 8.5* 8.5*	2.1 2.4 4.1 5.0	4.1 6.3* 6.3* 6.3*		2.3	1.6 1.9 3.2 3.6*	3.1 3.6* 3.6* 3.6*	
1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down	6.6 7.5 8.0* 8.0*	8.0* 8.0* 8.0* 8.0*	3.5 4.0 5.9* 5.9*	5.9* 5.9* 5.9* 5.9*	5.1	0.1			2.6 2.9 4.2* 4.2*	4.2* 4.2* 4.2* 4.2*	5.7	-4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down	6.4 7.3 9.1* 9.1*	9.2* 9.2* 9.1* 9.1*	3.4 3.8 6.6 6.6*	6.5 6.6* 6.6* 6.6*	3.0	0.0			2.3 2.6 4.4 4.7*	4.3 4.7* 4.7* 4.7*	

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool 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 lift hook on the quick coupler (max. 12 t). Without the quick coupler, lift capacities will increase by up to 226 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

Max. reach \* Limited by hydr. capacity

 ↓
 Height
 Page 1
 □ Can be slewed through 360°
 □ In longitudinal position of undercarriage
 ✓

hook and a lift capacity chart.

### Lift Capacities with Mono Boom 5.60 m, EW-Undercarriage

100		3.0	) m	4.5	m	6.0	m	7.5	m			<b>49</b>	. 🔊		3.0	m	4.5	m	6.0	m	7.5	m		
m	Undercarriage	5	d d	<b></b> ∰	L	<u>⊶4</u>	<u>L</u>	<del>5</del>	<mark>L</mark>	- <del>4</del>	Ŀ	m	<b>1</b>	Undercarriage	<b></b> ∰	L	<u>5</u>	<u>L</u>	<del>5</del>	d	<u>∰</u>	<u>.</u>	• <del>-</del> 5	<u>L</u>
9.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down												9.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down										
'.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down									2.6* 2.6* 2.6*	2.6* 2.6* 2.6*	6.0	7.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					3.3* 3.3* 3.3*	3.3* 3.3* 3.3*			2.4* 2.4* 2.4*	2.4* 2.4* 2.4*
.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					3.4 3.7 5.1*	5.1 5.1* 5.1*			2.4* 2.4* 2.4*	2.4* 2.4* 2.4*	7.1	6.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					3.4 3.7 5.0*	5.0* 5.0* 5.0*			2.2* 2.2* 2.2*	2.2* 2.2* 2.2*
.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			5.1 5.6 6.7*	6.7* 6.7* 6.7*	3.2 3.5 5.2	5.0 5.6* 5.6*	2.2 2.4 3.6	3.4 4.0* 4.0*	2.0 2.2 2.3*	2.3* 2.3* 2.3*	7.8	4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			5.1 5.6 6.4*	6.4* 6.4* 6.4*	3.2 3.5 5.2	5.0 5.4* 5.4*	2.2 2.4 3.6	3.4 4.3* 4.3*	1.9 2.1 2.1*	2.1* 2.1* 2.1*
.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			4.5 5.0 7.7	7.4 8.2* 8.2*	3.0 3.3 5.0	4.7 6.2* 6.2*	2.1 2.3 3.5	3.3 5.2* 5.2*	1.8 2.0 2.4*	2.4* 2.4* 2.4*	8.2	3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			4.6 5.1 7.8	7.4 8.0* 8.0*	3.0 3.3 5.0	4.7 6.1* 6.1*	2.1 2.3 3.5	3.3 5.1* 5.1*	1.7 1.9 2.2*	2.2* 2.2* 2.2*
.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			4.1 4.6 7.2	6.9 9.4* 9.4*	2.8 3.1 4.7	4.5 6.8* 6.8*	2.0 2.2 3.4	3.2 5.5* 5.5*	1.7 1.9 2.6*	2.6* 2.6* 2.6*	8.3	1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			4.1 4.6 7.2	6.9 9.2* 9.2*	2.7 3.1 4.7	4.5 6.7* 6.7*	2.0 2.2 3.4	3.2 5.4* 5.4*	1.6 1.8 2.3*	2.3* 2.3* 2.3*
	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			3.9 4.4 7.0	6.6 9.7* 9.7*	2.6 2.9 4.6	4.3 7.1* 7.1*	1.9 2.1 3.3	3.1 5.5* 5.5*	1.7 1.9 2.9*	2.8 2.9* 2.9*	8.0	0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	4.8* 4.8* 4.8*	4.8* 4.8* 4.8*	3.8 4.3 6.9	6.6 9.7* 9.7*	2.6 2.9 4.5	4.3 7.0* 7.0*	1.9 2.1 3.3	3.1 5.5* 5.5*	1.6 1.8 2.6*	2.6* 2.6* 2.6*
.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	7.2 8.3 8.4*	8.4* 8.4* 8.4*	3.8 4.3 6.9	6.6 9.2* 9.2*	2.6 2.9 4.5	4.3 6.8* 6.8*	1.9 2.1 3.3	3.1 3.6* 3.6*	1.9 2.1 3.3	3.1 3.5* 3.5*	7.5	-1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	7.1 8.1* 8.1*	8.1* 8.1* 8.1*	3.8 4.3 6.9	6.5 9.2* 9.2*	2.5 2.8 4.5	4.2 6.8* 6.8*	1.9 2.1 3.3	3.1 5.1* 5.1*	1.8 2.0 3.1*	3.0 3.1* 3.1*
.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	7.4 8.5 10.5*	10.5* 10.5* 10.5*	3.9 4.4 7.0	6.7 7.8* 7.8*	2.6 2.9 4.6	4.3 5.8* 5.7*			2.3 2.6 4.0	3.8 4.8* 4.8*	6.6	-3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down		11.0* 11.0* 11.0*	3.9 4.3 7.0	6.6 8.0* 8.0*	2.6 2.9 4.5	4.3 5.9* 5.9*			2.2 2.4 3.8	3.6 4.2* 4.2*
.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			4.2 4.7 5.0*	5.1* 5.1* 5.0*					3.5 4.0 4.2*	4.2* 4.2* 4.2*	5.1	-4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			4.1 4.6 5.5*	5.5* 5.5* 5.5*					3.2 3.6 4.2*	4.2* 4.2* 4.2*

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool 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 lift hook on the quick coupler (max. 12 t). Without the quick coupler, lift capacities will increase by up to 226 kg.

	1	2 (	) m	15	m	6.0	m	7.5	m	ı —	- AT	n		ick 3.05 m	2.0	m	4.5	m	6.0	m	7.5	m		- ATT	n
V							 <u>4</u>		 <u>4</u>				14			'   <u>4</u>						 <mark>4</mark>			
m	Undercarriage	5	b	5	반	<b>~</b> ♣	ű	<del></del> 5	<u>"</u>	5	반	m	m	Undercarriage	<del></del> 5	<u>"</u>	5	법	<u>5</u>	븁	<del></del>	Ľ,	<del>5</del>	<u>"</u>	_
9.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down												9.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down											
7.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					3.4 3.6* 3.6*	3.6* 3.6* 3.6*			2.2* 2.2* 2.2*	2.2* 2.2* 2.2*	6.5	7.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down									1.7* 1.7* 1.7*	1.7* 1.7* 1.7*	,
6.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					3.4 3.7 4.8*	4.8* 4.8* 4.8*	2.2 2.4* 2.4*	2.4* 2.4* 2.4*	2.0* 2.0* 2.0*	2.0* 2.0* 2.0*	7.6	6.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down							2.3 2.3* 2.3*	2.3* 2.3* 2.3*	1.6* 1.6* 1.6*	1.6* 1.6* 1.6*	7
4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					3.2 3.5 5.2*	5.0 5.2* 5.2*	2.2 2.4 3.6	3.4 4.3* 4.3*	1.8 1.9* 1.9*	1.9* 1.9* 1.9*	8.2	4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					3.3 3.6 4.9*	4.9* 4.9* 4.9*	2.2 2.4 3.6	3.4 3.8* 3.8*	1.6* 1.6* 1.6*	1.6* 1.6* 1.6*	
3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			4.6 5.1 7.7*	7.5 7.7* 7.7*	3.0 3.3 5.0	4.7 5.9* 5.9*	2.1 2.3 3.5	3.3 5.0* 5.0*	1.6 1.8 2.0*	2.0* 2.0* 2.0*	8.6	3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down		11.3* 11.3* 11.3*	4.7 5.2 7.2*	7.2* 7.2* 7.2*	3.0 3.3 5.0	4.8 5.6* 5.6*	2.1 2.3 3.5	3.3 4.8* 4.8*	1.5 1.7* 1.7*	1.7* 1.7* 1.7*	;
1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			4.1 4.6 7.2	6.9 9.1* 9.1*	2.7 3.0 4.7	4.5 6.6* 6.6*	1.9 2.2 3.4	3.2 5.3* 5.3*	1.5 1.7 2.1*	2.1* 2.1* 2.1*	8.6	1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	5.8* 5.8* 5.8*	5.8* 5.8* 5.8*	4.1 4.6 7.3	6.9 8.7* 8.7*	2.7 3.1 4.7	4.5 6.3* 6.3*	1.9 2.2 3.3	3.2 5.1* 5.1*	1.5 1.6 1.8*	1.8* 1.8* 1.8*	1
0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	4.9* 4.9* 4.9*	4.9* 4.9* 4.9*	3.8 4.3 6.9	6.6 9.6* 9.6*	2.6 2.9 4.5	4.3 6.9* 6.9*	1.9 2.1 3.3	3.1 5.4* 5.4*	1.5 1.7 2.3*	2.3* 2.3* 2.3*	8.4	0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	6.2* 6.2* 6.2*	6.2* 6.2* 6.2*	3.8 4.3 6.9	6.6 9.5* 9.5*	2.5 2.8 4.5	4.2 6.8* 6.8*	1.8 2.0 3.2	3.0 5.4* 5.4*	1.5 1.7 2.1*	2.1* 2.1* 2.1*	8
1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	7.0 7.8* 7.8*	7.8* 7.8* 7.8*	3.7 4.2 6.8	6.5 9.3* 9.3*	2.5 2.8 4.4	4.2 6.8* 6.8*	1.8 2.0 3.2	3.0 5.2* 5.2*	1.7 1.9 2.8*	2.8* 2.8* 2.8*	7.9	-1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	6.9 7.9 8.2*	8.2* 8.2* 8.2*	3.7 4.2 6.8	6.4 9.4* 9.4*	2.4 2.7 4.4	4.1 6.8* 6.8*	1.8 2.0 3.2	3.0 5.3* 5.3*	1.6 1.8 2.6*	2.6* 2.6* 2.6*	ŧ
3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down		11.4* 11.4* 11.4*	3.8 4.3 6.9	6.5 8.2* 8.2*	2.5 2.8 4.5	4.2 6.1* 6.1*			2.0 2.3 3.6	3.4 3.6* 3.6*	7.1	-3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down		11.2* 11.2* 11.2*	3.7 4.2 6.8	6.4 8.5* 8.5*	2.4 2.7 4.4	4.1 6.3* 6.3*			1.9 2.1 3.3	3.2 3.6* 3.6*	
4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	7.5 8.0* 8.0*	8.0* 8.0* 8.0*	4.0 4.5 5.9*	5.9* 5.9* 5.9*					2.9 3.2 4.2*	4.2* 4.2* 4.2*	5.7	-4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	7.3 8.4 9.1*	9.2* 9.2* 9.1*	3.8 4.3 6.6*	6.6 6.6* 6.6*					2.6 2.9 4.6	4.3 4.7* 4.7*	į

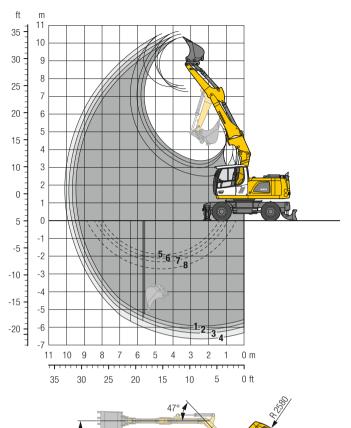
1 ← Height → Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool are stated in metric tons (t) and are valid on a firm, level supporting surface 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 lift hook on the quick coupler (max. 12 t). Without the quick coupler, lift capacities will increase by up to 226 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 5.45 m



with quick coupler		1	2	3	4
Stick length	m	2.25	2.45	2.65	3.05
Max. digging depth	m	5.95	6.15	6.35	6.70
Max. reach at ground level	m	9.30	9.50	9.70	9.90
Max. dumping height	m	7.30	7.45	7.60	7.60
Max. teeth height	m	10.35	10.50	10.65	10.55
Min. attachment radius	m	2.85	2.90	2.95	2.68
1 with stick 2.25 m	5 with stick 2.25	5 m			
2 with stick 2.45 m	6 with stick 2.45	5 m			
3 with stick 2.65 m	7 with stick 2.65	5 m			
4 with stick 3.05 m	8 with stick 3.05	5 m			
with set straight boom	at max. attachm	ent offse	et		
	with vertical ditc	h walls			

### **Digging Forces**

**Digging Envelope** 

without quick coupler		1	2	3	4
Max. digging force (ISO 6015)	kN	98.7	92.6	87.2	78.2
	t	10.1	9.4	8.9	8.0
Max. breakout force (ISO 6015)	kN	124.6	124.6	124.6	124.6
	t	12.7	12.7	12.7	12.7
Max. breakout force with ripper bucket			1	56.9 kN	(16.0 t)

### **Operating Weight**

The operating weight includes the basic machine with 8 tyres plus intermediate rings, offset two-piece boom 5.45 m, stick 2.45 m, quick coupler SWA 48 and bucket 1,050 mm/0.80 m<sup>3</sup>.

Undercarriage versions	Weight (kg)
A 920 Litronic with stabilizer blade	19,500
A 920 Litronic with stabilizer blade + 2 pt. outriggers	21,200
A 920 Litronic with 4 pt. outriggers	21,200
A 920 EW Litronic with stabilizer blade	19,600
A 920 EW Litronic with stabilizer blade + 2 pt. outriggers	21.300

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

2520

2290

Cutting width	apacity 10 7451 <sup>1)</sup>	eight		Stabi rais				do			+ 2	pt. o	er bla utrigg wn	jers		do	utrigg wn			Stabi rai	W lizers sed			abiliz do	W er bla own		+ 2	tabiliz 2 pt. o do	utrigg wn	jers
ತ	Cap ISO	Wei	St	ick lei	ngth (	m)	Sti	ck le	ngth (	m)	St	ick le	ngth	(m)	St	ick le	ngth (	m)	St	ick le	ngth (	m)	St	ick le	ngth (	m)	St	ick le	ngth (	m)
mm	m³	kg	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05
1,0502)	0.80	630	Δ	Δ	Δ	_			Δ	Δ											Δ	Δ								
1,2502)	1.00	730	-	-	-	_	Δ	_	-	-									Δ	-	_	_		Δ	Δ	Δ				
1,4002)	1.15	790	_	_	_	_	-	_	_	_									_	_	_	_	Δ	_	_	-				
1,0503)	0.80	710	Δ	Δ	_	_		Δ	Δ	Δ											Δ	Δ								
1,2503)	1.00	820	_	_	-	_	Δ	_	_	_									Δ	_	_	_	Δ	Δ	Δ	-				
1,4003)	1.15	880	_	_	_	_	-	_	_	_									_	_	_	_	Δ	_	_	_				
1,0504)	0.85	670	Δ	Δ	_	_		Δ	Δ	Δ										Δ	Δ	Δ				Δ				
1,2504)	1.05	770	_	_	_	_	-	_	_	-									_	_	-	_	Δ	Δ	Δ	_				
1,4004)	1.20	840	-	-	_	-	-	-	-	-									-	_	_	-	-	_	_	_				

Indicated loads are based on ISO 10567 and do not exceed 75% of tipping or 87% of hydraulic capacity, max. stick length without quick coupler, lifted 360° on firm with blocked oscillating axle 1) comparable with SAE (heaped)

<sup>&</sup>lt;sup>2)</sup> Bucket with teeth <sup>3)</sup> Bucket with teeth in HD-version <sup>4)</sup> Bucket with cutting edge (also available in HD-version)

### Lift Capacities with Offset Two-Piece Boom 5.45 m

		3.0	) m	4.5	m	6.0	m	7.5	m			<u> </u>			3.0	m	4.5	m	6.0	m	7.5	m		<u></u>	4
m	Undercarriage	5	<u>L</u>	5	<u>L</u>	<del>5</del>	<u>L</u>	<b>⊶-5</b> _	L	- <del>4</del>	j.	m	<b>1</b>	Undercarriage	5	<u>L</u>	<b></b> -∰	<u>L</u>	<u>⊶4</u>	<u>L</u>	<del></del>	<u>L</u>	• <del>•</del>	d d	n
9.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down												9.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down											
7.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down			5.1 5.4* 5.4* 5.4*	5.4* 5.4* 5.4* 5.4*					3.2 3.4* 3.4* 3.4*	3.4* 3.4* 3.4* 3.4*	5.7	7.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down					3.0 3.2* 3.2* 3.2*	3.2* 3.2* 3.2* 3.2*			3.0 3.1* 3.1* 3.1*	3.1* 3.1* 3.1* 3.1*	e
6.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down			5.1 5.6 5.8* 5.8*	5.8* 5.8* 5.8* 5.8*	3.2 3.5 5.2 5.4*	5.2 5.4* 5.4* 5.4*			2.2 2.4 3.1* 3.1*	3.1* 3.1* 3.1* 3.1*	7.0	6.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down			5.1 5.3* 5.3* 5.3*	5.3* 5.3* 5.3* 5.3*	3.2 3.5 5.1* 5.1*	5.1* 5.1* 5.1* 5.1*			2.1 2.3 2.8* 2.8*	2.8* 2.8* 2.8* 2.8*	7
4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down	9.0 9.2* 9.2* 9.2*	9.2* 9.2* 9.2* 9.2*	4.9 5.3 7.2* 7.2*	7.2* 7.2* 7.2* 7.2*	3.2 3.5 5.1 6.0*	5.1 6.0* 6.0* 6.0*	1.9 2.1 3.4 4.1	3.4 4.1* 4.1* 4.1*	1.7 1.9 3.0* 3.0*	3.0* 3.0* 3.0* 3.0*	7.7	4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down			4.9 5.4 6.9* 6.9*	6.9* 6.9* 6.9* 6.9*	3.2 3.5 5.1 5.8*	5.1 5.8* 5.8* 5.8*	1.9 2.1 3.4 4.1	3.4 4.3* 4.3* 4.3*	1.6 1.8 2.7* 2.7*	2.7* 2.7* 2.7* 2.7*	
3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down	8.4 9.3 12.4* 12.4*	12.5* 12.5* 12.4* 12.4*	4.6 5.1 7.6 8.7*	7.6 8.7* 8.7* 8.7*	3.1 3.4 5.1 5.8	5.0 6.5* 6.5* 6.5*	1.9 2.1 3.4 4.0	3.4 5.4* 5.4* 5.4*	1.5 1.7 2.8 3.1*	2.8 3.1* 3.1* 3.1*	8.1	3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down		12.7* 12.7* 12.7* 12.7*	4.6 5.1 7.6 8.4*	7.6 8.4* 8.4* 8.4*	3.1 3.4 5.0 5.8	5.0 6.4* 6.4* 6.4*	1.9 2.1 3.4 4.1	3.4 5.3* 5.3* 5.3*	1.4 1.6 2.7 2.8*	2.7 2.8* 2.8* 2.8*	
1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down	8.2 9.1 12.4* 12.4*	12.4* 12.4* 12.4* 12.4*	4.5 5.0 7.5 8.8	7.5 9.7* 9.7* 9.7*	3.1 3.4 5.0 5.8	5.0 7.0* 7.0* 7.0*	1.8 2.0 3.3 3.9	3.3 5.6* 5.6* 5.6*	1.4 1.6 2.7 3.3	2.7 3.3* 3.3* 3.3*	8.2	1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down	8.1 9.0 12.3* 12.3*	12.3* 12.3* 12.3* 12.3*	4.5 5.0 7.5 8.7	7.5 9.6* 9.6* 9.6*	3.1 3.4 5.0 5.8	5.0 6.9* 6.9* 6.9*	1.8 2.0 3.3 4.0	3.3 5.5* 5.5* 5.5*	1.3 1.5 2.6 3.0*	2.6 3.0* 3.0* 3.0*	
)	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down	8.0 9.0 14.4* 14.4*	14.4* 14.4* 14.4* 14.4*	4.4 4.9 7.6 8.8	7.6 10.0* 10.0* 10.0*	2.8 3.1 4.9 5.8	4.9 7.2* 7.2* 7.2*	1.6 1.8 3.1 3.8	3.1 5.6* 5.6* 5.6*	1.4 1.6 2.8 3.4	2.7 3.7* 3.7* 3.7*	8.0	0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down	8.0 9.0 14.1* 14.1*	14.1* 14.1* 14.1* 14.1*	4.4 4.9 7.5 8.8	7.5 9.9* 9.9* 9.9*	2.8 3.1 4.9 5.9	4.9 7.1* 7.1* 7.1*	1.6 1.9 3.2 3.8	3.1 5.6* 5.6* 5.6*	1.3 1.5 2.6 3.2	2.6 3.3* 3.3* 3.3*	
1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down	7.4 8.4 14.9 16.3*	15.1 16.3* 16.3* 16.3*	4.1 4.6 7.5 9.2	7.5 10.1* 10.1* 10.1*	2.4 2.7 4.5 5.5	4.5 7.4* 7.4* 7.4*			1.5 1.7 3.0 3.7	3.0 4.5* 4.5* 4.5*	7.5	-1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down	7.4 8.4 14.8 16.1*	15.0 16.1* 16.1* 16.1*	4.1 4.6 7.5 9.0	7.5 10.0* 10.0* 10.0*	2.5 2.8 4.6 5.5	4.5 7.3* 7.3* 7.3*	1.5 1.7 3.0 3.7	3.0 5.1* 5.1* 5.1*	1.4 1.6 2.9 3.5	2.8 4.0* 4.0* 4.0*	
3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down	7.3 8.2 14.9 17.0*	15.2 17.0* 17.0* 17.0*	3.7 4.1 7.0 8.7	7.0 10.4* 10.4* 10.4*	2.2 2.5 4.3 5.2	4.2 6.3* 6.3* 6.3*			1.9 2.1 3.7 4.5	3.6 4.5* 4.5* 4.5*	6.6	-3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down	8.2	15.2 16.8* 16.8* 16.8*	3.7 4.2 7.1 8.7	7.1 10.5* 10.5* 10.5*	2.2 2.5 4.3 5.2	4.2 6.7* 6.7* 6.7*			1.7 2.0 3.5 4.2	3.4 4.4* 4.4* 4.4*	
.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down	6.8 7.8 12.1* 12.1*	12.1* 12.1* 12.1* 12.1*							3.8 4.3 6.4* 6.4*	6.4* 6.4* 6.4* 6.4*	4.3	-4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down 4 pt. outriggers down	6.8 7.8 13.5*	13.5* 13.5* 13.5* 13.5*	3.5 3.9 6.7* 6.7*	6.7* 6.7* 6.7* 6.7*					3.1 3.5 5.4* 5.4*	5.3* 5.3* 5.4* 5.4*	

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool 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. 12 t). Without the quick coupler, lift capacities will increase by up to 226 kg.

### Lift Capacities with Offset Two-Piece Boom 5.45 m

M		3.0	) m	4.5	m	6.0	m	7.5	m			<u> </u>	. 1		3.0	m	4.5	m	6.0	m	7.5	m		~	4
₩ m	Undercarriage		<u>L</u>		Ŀ	<del>-4</del>	<u>.</u>	5	L	<u></u>	Ŀ	m	<b>1</b>	Undercarriage	- <del>-</del>	j.	<b></b> -∰	j	<b>∰</b>	<u>L</u>	<del></del> 5	<u>L</u>	- <del>-</del>	d d	
	Stabilizers raised									3.5*	3.5*			Stabilizers raised											
9.0	Stabilizer blade down									3.5*	3.5*	4.4	9.0	Stabilizer blade down											
<b>7.</b> 0	Blade + 2 pt. outr. down									3.5*	3.5*	4.4	5.0	Blade + 2 pt. outr. down											
	4 pt. outriggers down									3.5*	3.5*			4 pt. outriggers down											
	Stabilizers raised					3.1	3.6*			2.7	2.8*			Stabilizers raised					3.2	3.2*			2.3*	2.3*	
7.5	Stabilizer blade down					3.4	3.6*			2.8*	2.8*	6.3	7.5	Stabilizer blade down					3.2*	3.2*			2.3*	2.3*	
	Blade + 2 pt. outr. down					3.6*	3.6*			2.8*	2.8*	0.3	7.5	Blade + 2 pt. outr. down					3.2*	3.2*			2.3*	2.3*	
	4 pt. outriggers down					3.6*	3.6*			2.8*	2.8*			4 pt. outriggers down					3.2*	3.2*			2.3*	2.3*	
	Stabilizers raised					3.2	4.8*			1.9	2.6*			Stabilizers raised					3.2	4.1*	2.0	2.5*	1.9	2.2*	
6.0	Stabilizer blade down					3.5	4.8*			2.2	2.6*	7.4	6.0	Stabilizer blade down					3.6	4.1*	2.2	2.5*	2.1	2.2*	
	Blade + 2 pt. outr. down					4.8*	4.8*			2.6*	2.6*	7.4	0.0	Blade + 2 pt. outr. down					4.1*	4.1*	2.5*	2.5*	2.2*	2.2*	
	4 pt. outriggers down					4.8*	4.8*			2.6*	2.6*			4 pt. outriggers down					4.1*	4.1*	2.5*	2.5*	2.2*	2.2*	
	Stabilizers raised			4.9	6.1*	3.1	5.1	2.0	3.4	1.5	2.5*			Stabilizers raised			4.9	5.3*	3.1	5.1*	2.0	3.5	1.5	2.1*	
1.5	Stabilizer blade down			5.4	6.1*	3.5	5.6*	2.2	4.4*	1.7	2.5*	8.1	4.5	Stabilizer blade down			5.3*	5.3*	3.5	5.1*	2.2	3.9*	1.7	2.1*	
1.3	Blade + 2 pt. outr. down			6.1*	6.1*	5.1	5.6*	3.5	4.4*	2.5*	2.5*	0.1	4.5	Blade + 2 pt. outr. down			5.3*	5.3*	5.1*	5.1*	3.5	3.9*	2.1*	2.1*	
	4 pt. outriggers down			6.1*	6.1*	5.6*	5.6*	4.1	4.4*	2.5*	2.5*			4 pt. outriggers down			5.3*	5.3*	5.1*	5.1*	3.9*	3.9*	2.1*	2.1*	
	Stabilizers raised	8.4	13.0*	4.6	7.6	3.1	5.0	1.9	3.4	1.3	2.6*			Stabilizers raised	8.5	11.9*	4.6	7.7	3.0	5.0	2.0	3.4	1.3	2.2*	
.0	Stabilizer blade down	9.4	13.0*	5.1	8.2*	3.4	6.3*	2.2	5.2*	1.5	2.6*	8.5	3.0	Stabilizer blade down	9.5	11.9*	5.1	7.7*	3.3	6.0*	2.2	5.0*	1.5	2.2*	
	Blade + 2 pt. outr. down	13.0*	13.0*	7.6	8.2*	5.0	6.3*	3.5	5.2*	2.6*	2.6*	0.5	3.0	Blade + 2 pt. outr. down	12.0*	12.0*	7.6	7.7*	5.0	6.0*	3.5	5.0*	2.2*	2.2*	
	4 pt. outriggers down	13.0*	13.0*	8.2*	8.2*	5.8	6.3*	4.1	5.2*	2.6*	2.6*			4 pt. outriggers down	12.0*	12.0*	7.7*	7.7*	5.8	6.0*	4.1	5.0*	2.2*	2.2*	
	Stabilizers raised	8.1	12.2*	4.5	7.4	3.0	4.9	1.8	3.3	1.2	2.4			Stabilizers raised	8.1	12.7*	4.4	7.4	3.0	4.9	1.9	3.3	1.2	2.4	
.5	Stabilizer blade down	9.0	12.2*	5.0	9.4*	3.3	6.8*	2.0	5.4*	1.4	2.7*	8.6	1.5	Stabilizer blade down	9.0*	12.7*	4.9	9.1*	3.3	6.6*	2.1	5.3*	1.3	2.4*	
	Blade + 2 pt. outr. down	12.2*	12.2*	7.4	9.4*	5.0	6.8*	3.4	5.4*	2.5	2.7*	0.0	1.5	Blade + 2 pt. outr. down	12.7*	12.7*	7.4	9.1*	4.9	6.6*	3.4	5.3*	2.4	2.4*	
	4 pt. outriggers down	12.2*	12.2*	8.7	9.4*	5.7	6.8*	4.0	5.4*	2.7*	2.7*			4 pt. outriggers down	12.7*	12.7*	8.7	9.1*	5.7	6.6*	4.0	5.3*	2.4*	2.4*	
	Stabilizers raised	8.1	13.8*	4.5	7.5	2.9	5.0	1.7	3.2	1.2	2.5			Stabilizers raised	8.0	13.6*	4.4	7.4	2.9	4.9	1.7	3.2	1.1	2.4	
)	Stabilizer blade down	9.0	13.8*	4.9	9.8*	3.2	7.1*	1.9	5.5*	1.4	3.0*	8.4	0	Stabilizer blade down	8.9	13.6*	4.9	9.7*	3.2	7.0*	1.9	5.4*	1.3	2.7*	
•	Blade + 2 pt. outr. down	13.8*	13.8*	7.5	9.8*	5.0	7.1*	3.2	5.5*	2.5	3.0*	0.4	U	Blade + 2 pt. outr. down	13.6*	13.6*	7.4	9.7*	4.9	7.0*	3.2	5.4*	2.4	2.7*	
	4 pt. outriggers down	13.8*	13.8*	8.7	9.8*	5.8	7.1*	3.8	5.5*	3.0*	3.0*			4 pt. outriggers down	13.6*	13.6*	8.6	9.7*	5.7	7.0*	3.8	5.4*	2.7*	2.7*	
	Stabilizers raised	7.4	14.8*	4.1	7.5	2.5	4.6	1.5	3.0	1.3	2.7			Stabilizers raised	7.5	14.6	4.1	7.6	2.5	4.6	1.5	2.9	1.2	2.5	
1.5	Stabilizer blade down	8.4	15.9*	4.6	10.0*	2.8	7.2*	1.7	5.3*	1.5	3.6*	7.9	-1.5	Stabilizer blade down	8.4	15.4*	4.6	9.8*	2.8	7.1*	1.7	5.4*	1.4	3.4*	
1.5	Blade + 2 pt. outr. down	14.6	15.9*	7.5	10.0*	4.6	7.2*	3.0	5.3*	2.7	3.6*	1.5	-1.5	Blade + 2 pt. outr. down	14.4	15.4*	7.5	9.8*	4.6	7.1*	3.0	5.4*	2.6	3.4*	
	4 pt. outriggers down	15.9*	15.9*	8.9	10.0*	5.6	7.2*	3.7	5.3*	3.3	3.6*			4 pt. outriggers down	15.4*	15.4*	8.8	9.8*	5.6	7.1*	3.7	5.4*	3.2	3.4*	
	Stabilizers raised	7.2	15.1	3.8	7.1	2.2	4.3			1.6	3.2			Stabilizers raised	7.1	15.1	3.8	7.2	2.2	4.2			1.4	3.0	
.0	Stabilizer blade down	8.1	16.6*	4.2	10.4*	2.5	7.0*			1.8	4.3*	7.1	-3.0	Stabilizer blade down	8.1	16.3*	4.2	10.1*	2.5	7.1*			1.7	4.5*	
.0	Blade + 2 pt. outr. down	14.8	16.6*	7.1	10.4*	4.3	7.0*			3.2	4.3*	7.1	-3.0	Blade + 2 pt. outr. down	14.7	16.3*	7.1	10.1*	4.3	7.1*			3.0	4.5*	
	4 pt. outriggers down	16.6*	16.6*	8.8	10.4*	5.2	7.0*			4.0	4.3*			4 pt. outriggers down	16.3*	16.3*	8.8	10.1*	5.2	7.1*			3.7	4.5*	
	Stabilizers raised	6.8	14.6	3.5	6.8					2.6	4.7*			Stabilizers raised	6.7	14.4	3.3	6.6					2.1	4.1*	
.5	Stabilizer blade down	7.8	14.7*	3.9	7.7*					2.9	4.7*	5.4	-4.5	Stabilizer blade down	7.6	15.7*	3.8	8.7*					2.4	4.1*	
	Blade + 2 pt. outr. down	14.3	14.6*	6.8	7.7*					4.7*	4.7*	3.4	-4.5	Blade + 2 pt. outr. down	14.1	15.7*	6.6	8.7*					4.1*	4.1*	
	4 pt. outriggers down	14.6*	14.6*	7.7*	7.7*					4.7*	4.7*			4 pt. outriggers down	15.7*	15.7*	8.3	8.7*					4.1*	4.1*	

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool 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. 12 t). Without the quick coupler, lift capacities will increase by up to 226 kg.

### Lift Capacities with Offset Two-Piece Boom 5.45 m, EW-Undercarriage

M		3.0	) m	4.5	m	6.0	m	7.5	m				. 1		3.0	m	4.5	m	6.0	m	7.5	m			1
m	Undercarriage	5	<u>L</u>	<b></b> ∰	L	<u>⊶</u> 55	<u>L</u>	<u>⊶</u>	<u>L</u>	- <del>-</del>	Ŀ	m	<b>1</b>	Undercarriage	<u>⊶</u>	<u>L</u>	<u>⊶</u>	<u>L</u>	<u>5</u>	<u>L</u>	<del>5</del>	<u>L</u>	<u></u>	į.	
9.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down												9.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down											
7.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			5.4* 5.4* 5.4*	5.4* 5.4* 5.4*					3.4* 3.4* 3.4*	3.4* 3.4* 3.4*	5.7	7.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					3.2* 3.2* 3.2*	3.2* 3.2* 3.2*			3.1* 3.1* 3.1*	3.1* 3.1* 3.1*	
6.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			5.6 5.8* 5.8*	5.8* 5.8* 5.8*	3.5 3.8 5.4*	5.2 5.4* 5.4*			2.4 2.7 3.1*	3.1* 3.1* 3.1*	7.0	6.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			5.3* 5.3* 5.3*	5.3* 5.3* 5.3*	3.5 3.9 5.1*	5.1* 5.1* 5.1*			2.3 2.6 2.8*	2.8* 2.8* 2.8*	
4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	9.2* 9.2* 9.2*	9.2* 9.2* 9.2*	5.4 5.9 7.2*	7.2* 7.2* 7.2*	3.5 3.8 5.4	5.2 6.0* 6.0*	2.1 2.4 3.6	3.4 4.1* 4.1*	1.9 2.2 3.0*	3.0* 3.0* 3.0*	7.7	4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			5.4 5.9 6.9*	6.9* 6.9* 6.9*	3.5 3.8 5.4	5.2 5.8* 5.8*	2.1 2.4 3.6	3.4 4.3* 4.3*	1.8 2.1 2.7*	2.7* 2.7* 2.7*	
3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	9.4 10.3 12.4*	12.5* 12.5* 12.4*	5.1 5.7 8.0	7.7 8.7* 8.7*	3.4 3.8 5.3	5.1 6.5* 6.5*	2.1 2.3 3.6	3.4 5.4* 5.4*	1.7 1.9 3.0	2.8 3.1* 3.1*	8.1	3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down		12.7* 12.7* 12.7*	5.1 5.7 8.0	7.7 8.4* 8.4*	3.4 3.7 5.2	5.0 6.4* 6.4*	2.1 2.4 3.6	3.4 5.3* 5.3*	1.6 1.8 2.8*	2.7 2.8* 2.8*	
1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	9.1 10.1 12.4*	12.4* 12.4* 12.4*	5.0 5.6 7.8	7.6 9.7* 9.7*	3.4 3.7 5.2	5.1 7.0* 7.0*	2.0 2.2 3.5	3.3 5.6* 5.6*	1.6 1.8 2.9	2.7 3.3* 3.3*	8.2	1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	9.1* 10.0 12.3*	12.3* 12.3* 12.3*	5.0 5.5 7.8	7.5 9.6* 9.6*	3.4 3.7 5.2	5.0 6.9* 6.9*	2.0 2.3 3.5	3.3 5.5* 5.5*	1.5 1.7 2.7	2.6 3.0* 3.0*	
0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	9.0 10.2 14.4*	14.4* 14.4* 14.4*	4.9 5.5 7.9	7.6 10.0* 10.0*	3.1 3.4 5.1	4.9 7.2* 7.2*	1.8 2.1 3.3	3.1 5.6* 5.6*	1.6 1.8 2.9	2.7 3.7* 3.7*	8.0	0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	10.1	14.1* 14.1* 14.1*	4.9 5.5 7.8	7.6 9.9* 9.9*	3.2 3.5 5.2	5.0 7.1* 7.1*	1.9 2.1 3.3	3.2 5.6* 5.6*	1.5 1.7 2.8	2.6 3.3* 3.3*	
1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	8.4 9.6 15.6	15.2 16.3* 16.3*	4.6 5.1 7.9	7.6 10.1* 10.1*	2.7 3.1 4.8	4.5 7.4* 7.4*			1.7 2.0 3.2	3.0 4.5* 4.5*	7.5	-1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	8.4 9.6 15.4	15.1 16.1* 16.1*	4.6 5.1 7.9	7.6 10.0* 10.0*	2.8 3.1 4.8	4.6 7.3* 7.3*	1.7 2.0 3.2	3.0 5.1* 5.1*	1.6 1.8 3.0	2.9 4.0* 4.0*	
3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	8.3 9.4 15.9	15.4 17.0* 17.0*	4.2 4.7 7.4	7.1 10.4* 10.4*	2.5 2.8 4.5	4.3 6.3* 6.3*			2.1 2.4 3.9	3.7 4.5* 4.5*	6.6	-3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	8.2 9.4 15.9	15.3 16.8* 16.8*	4.2 4.7 7.5	7.1 10.5* 10.5*	2.5 2.8 4.5	4.3 6.7* 6.7*			2.0 2.3 3.7	3.4 4.4* 4.4*	
1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	7.8 8.9 12.1*	12.1* 12.1* 12.1*							4.4 4.9 6.4*	6.4* 6.4* 6.4*	4.3	-4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	7.8 8.9 13.5*	13.5* 13.5* 13.5*	4.0 4.5 6.7*	6.7* 6.7* 6.7*					3.5 3.9 5.4*	5.3* 5.3* 5.4*	

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool 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. 12 t). Without the quick coupler, lift capacities will increase by up to 226 kg.

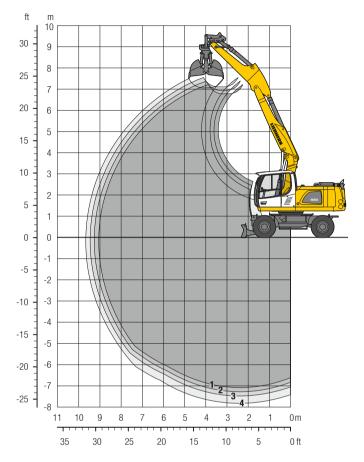
### Lift Capacities with Offset Two-Piece Boom 5.45 m, EW-Undercarriage

		3.0	) m	4.5	m	6.0	m	7.5	m			<u> </u>	A	1	3.0	m	4.5	m	6.0	m	7.5	m			Αr
₩ m	Undercarriage		<u>L</u>		L	<del></del>	<u>L</u>	<u></u> ∰	L		į.	=⊚⊮ m	<b>‡</b> ∜	Undercarriage	<u>5</u>	L	<del>5</del>	<u>L</u>	<del></del>	<u>L</u>	<del></del>	<u>L</u>	- <del>-</del> 5	L.	
9.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down									3.5* 3.5* 3.5*	3.5* 3.5* 3.5*	4.4	9.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down											
7.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					3.4 3.6* 3.6*	3.6* 3.6* 3.6*			2.8* 2.8* 2.8*	2.8* 2.8* 2.8*	6.3	7.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					3.2* 3.2* 3.2*	3.2* 3.2* 3.2*			2.3* 2.3* 2.3*	2.3* 2.3* 2.3*	
6.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					3.5 3.9 4.8*	4.8* 4.8* 4.8*			2.2 2.4 2.6*	2.6* 2.6* 2.6*	7.4	6.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down					3.6 3.9 4.1*	4.1* 4.1* 4.1*	2.2 2.4 2.5*	2.5* 2.5* 2.5*	2.1 2.2* 2.2*	2.2* 2.2* 2.2*	
4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			5.4 5.9 6.1*	6.1* 6.1* 6.1*	3.5 3.8 5.4	5.2 5.6* 5.6*	2.2 2.4 3.6	3.5 4.4* 4.4*	1.7 2.0 2.5*	2.5* 2.5* 2.5*	8.1	4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down			5.3* 5.3* 5.3*	5.3* 5.3* 5.3*	3.5 3.8 5.1*	5.1* 5.1* 5.1*	2.3 2.5 3.7	3.5 3.9* 3.9*	1.7 1.9 2.1*	2.1* 2.1* 2.1*	
3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	9.4 10.3 13.0*	13.0* 13.0* 13.0*	5.1 5.7 8.0	7.7 8.2* 8.2*	3.4 3.7 5.2	5.0 6.3* 6.3*	2.2 2.4 3.6	3.5 5.2* 5.2*	1.5 1.7 2.6*	2.6* 2.6* 2.6*	8.5	3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	9.5 10.4 12.0*	11.9* 11.9* 12.0*	5.1 5.7 7.7*	7.7* 7.7* 7.7*	3.4 3.7 5.2	5.0 6.0* 6.0*	2.2 2.5 3.6	3.5 5.0* 5.0*	1.5 1.7 2.2*	2.2* 2.2* 2.2*	1
1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	9.0 10.0 12.2*	12.2* 12.2* 12.2*	5.0 5.5 7.8	7.5 9.4* 9.4*	3.4 3.7 5.2	5.0 6.8* 6.8*	2.1 2.3 3.5	3.3 5.4* 5.4*	1.4 1.6 2.6	2.5 2.7* 2.7*	8.6	1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	9.0 9.9 12.7*	12.7* 12.7* 12.7*	4.9 5.5 7.7	7.5 9.1* 9.1*	3.3 3.6 5.1	4.9 6.6* 6.6*	2.1 2.3 3.5	3.4 5.3* 5.3*	1.3 1.5 2.4*	2.4 2.4* 2.4*	
0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down		13.8* 13.8* 13.8*	5.0 5.5 7.8	7.5 9.8* 9.8*	3.2 3.5 5.2	5.0 7.1* 7.1*	1.9 2.1 3.4	3.2 5.5* 5.5*	1.4 1.6 2.7	2.5 3.0* 3.0*	8.4	0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	9.0 9.9 13.6*	13.6* 13.6* 13.6*	4.9 5.4 7.7	7.4 9.7* 9.7*	3.2 3.6 5.1	4.9 7.0* 7.0*	1.9 2.1 3.4	3.2 5.4* 5.4*	1.3 1.5 2.6	2.4 2.7* 2.7*	
1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	8.4 9.6 15.3	14.9 15.9* 15.9*	4.6 5.1 7.9	7.6 10.0* 10.0*	2.8 3.2 4.9	4.6 7.2* 7.2*	1.7 2.0 3.2	3.0 5.3* 5.3*	1.5 1.7 2.9	2.7 3.6* 3.6*	7.9	-1.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	8.5 9.6 15.1	14.7 15.4* 15.4*	4.6 5.1 7.9	7.6 9.8* 9.8*	2.8 3.2 4.9	4.7 7.1* 7.1*	1.7 1.9 3.2	3.0 5.4* 5.4*	1.4 1.6 2.7	2.6 3.4* 3.4*	
3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	8.2 9.3 15.8	15.2 16.6* 16.6*	4.3 4.8 7.6	7.2 10.4* 10.4*	2.5 2.8 4.5	4.3 7.0* 7.0*			1.8 2.1 3.4	3.2 4.3* 4.3*	7.1	-3.0	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	8.1 9.2 15.8	15.2 16.3* 16.3*		7.2 10.1* 10.1*	2.5 2.8 4.5	4.3 7.1* 7.1*			1.7 1.9 3.2	3.0 4.5* 4.5*	
4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	7.8 8.9 14.6*	14.7* 14.7* 14.6*	3.9 4.4 7.2	6.8 7.7* 7.7*					2.9 3.3 4.7*	4.7* 4.7* 4.7*	5.4	-4.5	Stabilizers raised Stabilizer blade down Blade + 2 pt. outr. down	7.6 8.7 15.1	14.5 15.7* 15.7*	3.8 4.3 7.0	6.7 8.7* 8.7*					2.4 2.7 4.1*	4.1* 4.1* 4.1*	

The lift capacities on the load lift hook of the Liebherr quick coupler SWA 48 without working tool 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. 12 t). Without the quick coupler, lift capacities will increase by up to 226 kg.

### Clamshell Grab

#### with Two-Piece Boom 5.40



### Digging Envelope

with quick coupler		1	2	3	4
Stick length	m	2.25	2.45	2.65	3.05
Max. digging depth	m	7.10	7.30	7.50	7.85
Max. reach at ground level	m	9.05	9.25	9.45	9.70
Max, dumping height	m	6.80	6.95	7.15	7.10

#### Clamshell Grab GM 10B

Max. tooth force	73 kN (7.4 t)
Max. torque of hydr. swivel	1.76 kNm

#### **Operating Weight**

The operating weight includes the basic machine with 8 tyres plus intermediate rings, two-piece boom 5.40 m, stick 2.45 m, quick coupler SWA 48 and clamshell grab GM 10B/0.45 m<sup>3</sup> (800 mm without ejector).

Undercarriage versions	Weight (kg)
A 920 Litronic with stabilizer blade	19,300
A 920 Litronic with stabilizer blade + 2 pt. outriggers	21,200
A 920 Litronic with 4 pt. outriggers	21,200
A 920 EW Litronic with stabilizer blade	19,500
A 920 EW Litronic with stabilizer blade + 2 pt. outriggers	21,300

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

Width of clamshells	Capacity	Weight	,	Stabil rais			St	abilize dov		de		abiliz pt. o do			4 pc		utrigg wn	jers		Stab	W ilizers sed		St	abili	EW zer bla own	ide		EV abilize pt. ou dov	er blad itrigge	
ĕĕ	బ్	š	Sti	ck ler	igth (i	m)	St	ick len	igth (r	n)	St	ick le	ngth	(m)	Sti	ck le	ngth (	m)	St	ick le	ngth (	m)	St	ick le	ength	(m)	Sti	ick len	igth (r	n)
mm	$m^3$	kg	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05
3201)	0.17	770																												
4001)	0.22	820																												
6001)	0.35	860																												
8001)	0.45	910																												
1,0001)	0.60	970			Δ	Δ																								
1,0001)3)	1.00	1,040	-	-	-	_	Δ	-	-	-									Δ	-	-	_	Δ	Δ	Δ	-				
3202)	0.17	820																												
4002)	0.22	880																												
6002)	0.35	950																												
8002)	0.45	1,010																												

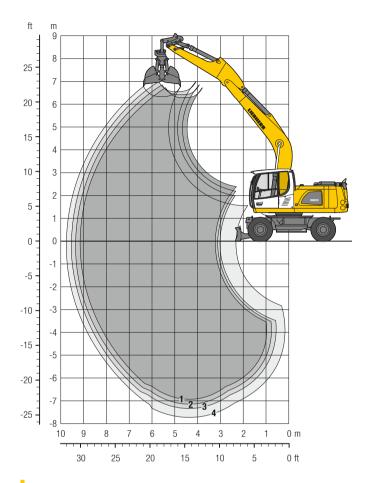
<sup>\*</sup> Indicated loads are based on ISO 10567 and do not exceed 75% of tipping or 87% of hydraulic capacity, max. stick length without quick coupler, lifted 360° on firm with blocked oscillating axle

<sup>1)</sup> without ejector

<sup>2)</sup> with ejector 3) Shells for loose material

### Clamshell Grab

#### with Mono Boom 5.60 m



### **Digging Envelope**

with quick coupler		1	2	3	4
Stick length	m	2.25	2.45	2.65	3.05
Max. digging depth	m	6.95	7.15	7.35	7.75
Max. reach at ground level	m	9.15	9.35	9.55	9.75
Max. dumping height	m	6.30	6.45	6.55	6.35

#### Clamshell Grab GM 10B

Max. tooth force	73 kN (7.4 t)
Max. torque of hydr. swivel	1.76 kNm

### **Operating Weight**

The operating weight includes the basic machine with 8 tyres plus intermediate rings, mono boom 5.60 m, stick 2.45 m, quick coupler SWA 48 and clamshell grab GM 10B/0.45 m<sup>3</sup> (800 mm without ejector).

Undercarriage versions	Weight (kg)
A 920 Litronic with stabilizer blade	18,700
A 920 Litronic with stabilizer blade + 2 pt. outriggers	20,400
A 920 Litronic with 4 pt. outriggers	20,400
A 920 EW Litronic with stabilizer blade	18,800
A 920 EW Litronic with stabilizer blade + 2 pt. outriggers	20,500

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

Width of clamshells	Capacity	Weight		Stabil rais			Sta	abilize dow		de		abiliz pt. o do			4 pc		utrigg wn	jers			W lizers sed		St	abiliz	W zer bla own	de		EV abilize pt. ou dov	er blad utrigge	
o Ki	ဒီ	š	Sti	ck ler	ıgth (ı	m)	Sti	ick len	gth (r	n)	St	ick le	ngth	(m)	Sti	ick le	ngth (	m)	St	ick le	ngth (	m)	St	ick le	ength (	(m)	Sti	ck len	ıgth (r	n)
mm	m³	kg	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05
3201)	0.17	770																												
4001)	0.22	820																												
6001)	0.35	860																												
8001)	0.45	910																												
1,0001)	0.60	970			Δ	Δ															Δ	Δ								
1,0001)3)	1.00	1,040	-	-	-	_	-	-	-	-				Δ				Δ	_	-	_	_				Δ				Δ
3202)	0.17	820																												
4002)	0.22	880																												
6002)	0.35	950																												
8002)	0.45	1,010																												

<sup>\*</sup> 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

### Attachments **Clamshell Grabs**

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

Width of clamshells	Capacity	Weight		raised down + 2 Stick length (m) Stick length (m) St					abiliz Ppt. or do	utrig		4 pc		utrigç wn	jers	:	E\ Stabii rais	lizers	•	St	abiliz	W zer bla own	ade		pt. o	W er blad utriggd wn				
Width of clar	Сар	Wei	St	ick lei	ngth (	m)	St	ick len	k length (m) Stick .45   2.65   3.05   2.25   2.4				ngth	(m)	Sti	ck le	ngth (	(m)	Sti	ck ler	ngth (	(m)	Sti	ck le	ngth	(m)	St	ick le	ngth (r	n)
mm	m³	kg	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05	2.25	2.45	2.65	3.05
Offset tv	vo-pied	e boom	5.45	m																										
3201)	0.17	770																												
4001)	0.22	820																												
6001)	0.35	860																												
8001)	0.45	910				Δ																								
1,0001)	0.60	970	Δ	Δ	Δ	_				Δ												Δ								
1,0001)3)	1.00	1,040	_	_	_	_	_	-	-	_									_	_	_	_	Δ	_	_	_				
3202)	0.17	820																												
4002)	0.22	880																												
6002)	0.35	950																												
8002)	0.45	1,010				Δ																								

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

### Attachments

#### **Ditch Cleaning Buckets/Tilt Buckets**

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

Cutting width	Capacity ISO 7451 <sup>1)</sup>	Ħ			ilizers sed	3	St	abiliz do	er bla wn	ide		pt. o	zer bla outrigg own		4 p		utrigg wn	ers		Stabi	W lizers sed		St	abiliz	W er bla wn	ide			er blad utrigge	
損	SO 7	Weight	C+	ick la	ngth	(m)	C+	ick le	nath i	(m)	C+i	ck lo	ngth	(m)	C+	ick lo	ngth (	m)	C+i	ck le	ngth (	m)	C+	ick la	ngth (	(m)	C+	ick le	ngth (n	n)
mm	m³	kg																											2.65	
	ece boo			2.10	2.00	0.00	2.20	2.10	2.00	0.00	L.LO	2.10	2.00	0.00	2.20	2.10	2.00	0.00	L.LO	2.10	2.00	0.00	L.LO	2.10	2.00	0.00	L.LO	2.10	2.00	0.00
1,5003)	0.50	430										•								•										•
1,6002)	0.55	690																												
1,6002)	0.80	850	Δ	Δ	Δ	_			Δ	Δ											Δ	Δ								
2,0002)	0.50	690																												
2,0003)	0.70	520																												
2,0002)	0.70	880		Δ	Δ	Δ				Δ												Δ								
2,0002)	1.00	940	-	_	_	-	Δ	_	_	_									Δ	Δ	-	_		Δ	Δ	_				
2,2002)	0.80	880	Δ	Δ	_	_			Δ	Δ											Δ	Δ								
2,2002)	1.15	980	-	-	-	-	-	-	_	-									-	-	-	_	Δ	Δ	-	-				
2,4002)	0.85	890	Δ	Δ	-	-		Δ	Δ	-										Δ	Δ	Δ				Δ				
Mono b	oom 5.6	60 m																												
1,5003)	0.50	430																												
1,6002)	0.55	690																												
1,6002)	0.80	850	Δ	Δ	Δ	_			Δ	Δ									Δ	Δ	Δ	Δ								
2,0002)	0.50	690																												
2,0003)	0.70	520																												
2,0002)	0.70	880		Δ	Δ	_				Δ										Δ	Δ	Δ								
2,0002)	1.00	940	-	-	-	-	Δ	-	-	-									-	-	-	-								
2,2002)	0.80	880	Δ	Δ	_	_			Δ	Δ									Δ	Δ	-	Δ								
2,2002)	1.15	980	-	_	-	_	_	_	-	_				Δ				Δ	-	-	-	_				Δ				Δ
2,4002)	0.85	890	Δ	Δ	_	_		Δ	Δ	_									Δ	Δ	-	_								
Offset			n 5.45	m																										
1,5003)	0.50	430						•	-									-		•	•	•	•	-					•	•
1,6002)	0.55	690																												
1,6002)	0.80	850	Δ	_	-	_	Δ	Δ	Δ	_	•	_			_		•	_	Δ	Δ	Δ	_				Δ	•		•	_
2,0002)	0.50	690																												
2,0003)	0.70	520		-		Δ			-	_		•					•			•	-	-	•	•					•	•
2,0002)	0.70	880	Δ	Δ	-	-			Δ	Δ											Δ	Δ								
2,0002)	1.00	940	-	-	-	-	-	-	_	-		-			•		•	•	-	-	-	-	Δ	Δ	-	-	•		•	•
2,2002)	0.80	880	-	-	-	-	Δ	Δ	Δ	-									Δ	Δ	Δ	-				Δ				
2,2002)	1.15	980	-	_	-	_	-	-	_	-	•	_	•		•		•	•	-	-	-	-	-	_	_	_	•		_	•
2,4002)	0.85	890	-	-	-	_	Δ	Δ	-	-									Δ	Δ	-	-			Δ	Δ				

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

Cutting width	pacity ) 7451 <sup>1)</sup>	Weight			ilizers sed	•	Sta	abilizo dov		de		abiliz pt. ou do	ıtrigg		4 pc		utrigg wn	ers			W lizers sed		St	abiliz	W er bla	ade			er blade itriggei	
Ē	Cap ISO	We	St	ick le	ngth (	(m)	Sti	ick ler	nath (	m)	St	ick lei	nath (	m)	Sti	ick le	ngth (	m)	St	ick le	ngth (	m)	Sti	ick le	ngth	(m)	St	ick ler	igth (m	1)
mm	m³	kg				` '																				` '			2.65 3	,
Two-pi	ece boo	m 5.40																												
1,5002)	1.20	970	-	_	_	_	-	-	_	_									_	_	_	_	Δ	_	_	_				
1,6002)	0.80	820	Δ	Δ	Δ	_			Δ	Δ												Δ								
1,6002)	1.00	890	-	_	_	_	Δ	Δ	_	_									Δ	Δ	_	_		Δ	Δ	Δ				
Mono b	oom 5.6	60 m																												
1,5002)	1.20	970	-	-	-	_	-	-	_	_				Δ				Δ	-	_	_	_				Δ				Δ
1,6002)	0.80	820	Δ	Δ	Δ	_			Δ	Δ									Δ	Δ	Δ	Δ								
1,6002)	1.00	890	-	-	-	-	Δ	Δ	_	_									-	_	_	_								
Offset t	wo-pie	ce boon	า 5.45	m																										
1,5002)	1.20	970	-	_	_	_	_	_	-	_									-	_	_	_	_	_	_	_				
1,6002)	0.80	820	Δ	-	-	_		Δ	Δ	-										Δ	Δ	-				Δ				
1,6002)	1.00	890	-	-	_	_	-												-	-	_	_	Δ	Δ	Δ	-				

<sup>\*</sup> 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) 2) with 2 x 50° rotator

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

### Equipment

### ●**=**● Undercarriage

<u> </u>	
Dual-circuit braking system	•
Stabilizer blade rear	+
Stabilizer blade front, outriggers rear	+
Lighting trailer coupling	+
Trailer coupling with bolt, automatic	+
Digging brake, automatic	•
Tyres (twin tyres) Liebherr EM 22 290/90-20	+
Individual control outriggers	+
Travel speed levels (four)	•
Tilt function of trailer, hydraulic	+
Mudguards (rear and front) 1)	+
Load holding valve on each stabilization cylinder	•
Powershift transmission, semiautomatic	•
Parking brake, maintenance-free	•
Tyres, variants	+
Protection for piston rods, stabilizer cylinder	+
Speeder**	+
Storage compartment left – lockable	•
Storage compartment right – lockable	+
Undercarriage EW 2.75 m/9'	+
Tool equipment, extended	+

### Uppercarriage

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

### Hydraulic System

Shut-off valve between hydraulic tank and pump(s)	•
Pressure test fittings	•
Accumulator for controlled lowering of the attachment with the engine shut down	•
Hydraulic oil filter with integrated microfilter	•
Liebherr hydraulic oil from −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

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

### Operator's Cab

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

### Equipment





### Complete Machine

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

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

<sup>• =</sup> Standard, + = Option

<sup>\* =</sup> country-dependent, \*\* = depending upon the country partially only 25 km/h permitted, 1) only available with undercarriage version "stabilizer blade rear"