Wheeled Excavator

A 914

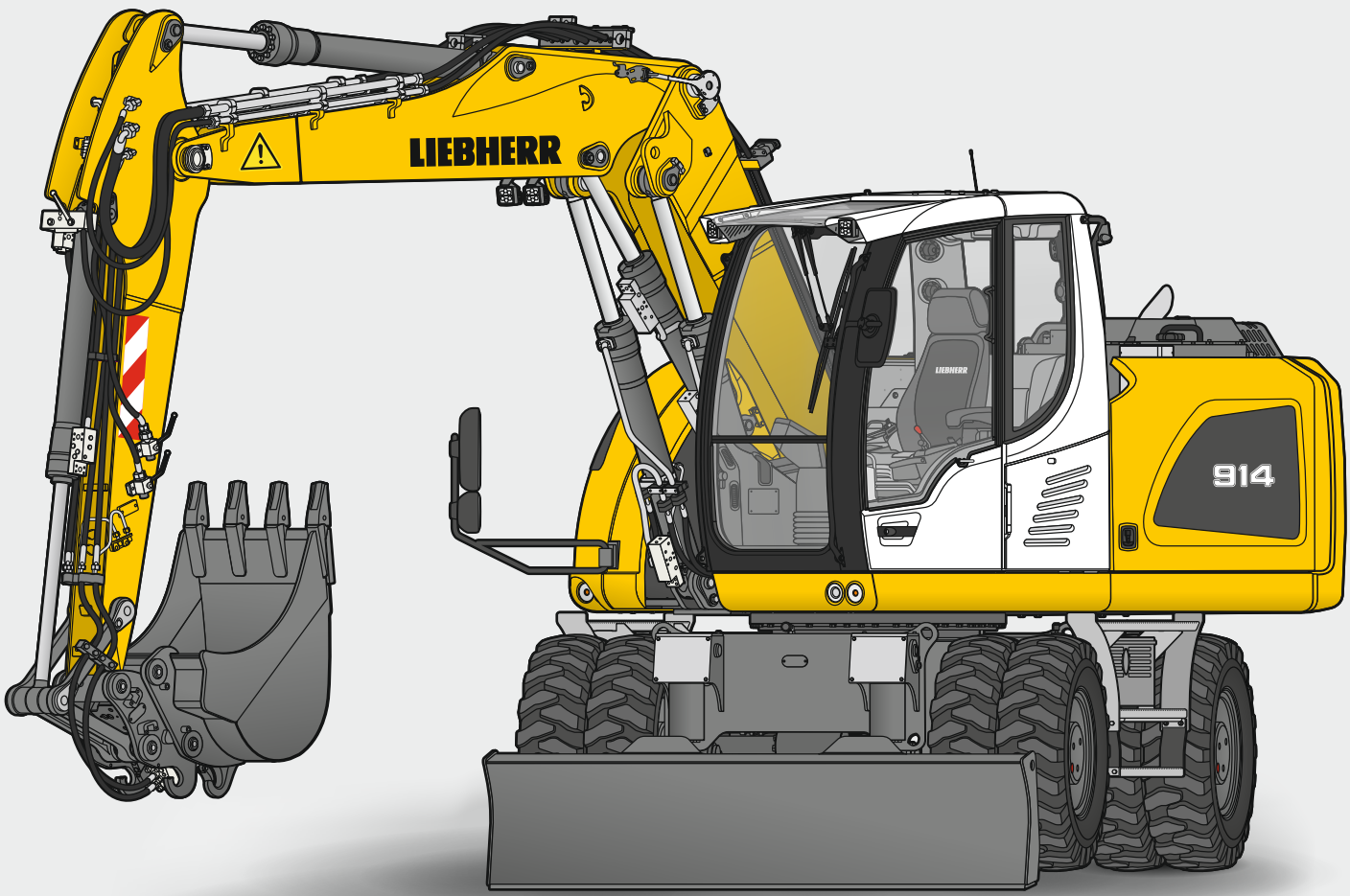
Litronic®

Operating Weight:
14,900 – 17,200 kg

Engine:
105 kW / 143 HP

Stage IV

Bucket Capacity:
0.17 – 0.87 m³



LIEBHERR

Technical Data

Diesel Engine

Rating per ISO 9249	105 kW (143 HP) at 1,800 RPM
Model	Liebherr D924
Type	4 cylinder in-line
Bore / Stroke	104 / 132 mm
Displacement	4.5 l
Engine operation	4-stroke diesel Common-Rail turbo-charged and after-cooler 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	250 l
Urea tank	46 l

Cooling System

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

Hydraulic Controls

Power distribution	via control valves with integrated safety valves, simultaneous and independent actuation of chassis, swing drive and 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 joysticks for additional hydraulic functions

Hydraulic System

Hydraulic pump	
for attachment and travel drive	Liebherr axial piston variable displacement pump
Max. flow	300 l/min.
Max. pressure	350 bar
Hydraulic pump regulation and control	Liebherr-Synchron-Comfort-system (LSC) with electronic engine speed sensing regulation, pressure and flow compensation, torque controlled swing drive priority
Hydraulic tank	130 l
Hydraulic system	max. 300 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 environmentally friendly operation or for maximum digging performance and heavy-duty jobs
S (Sensitive)	mode for precision work and lifting through very sensitive movements
E (Eco)	mode for especially economical and environmentally friendly operation
P (Power)	mode for high performance with low fuel consumption
P+ (Power-Plus)	mode for highest performance and for very heavy duty applications, suitable for continuous operation
Engine speed and performance setting	stepless alignment of engine output and hydraulic power via engine speed
Option	Tool Control: ten preadjustable pump flows and pressures for add on tools

Swing Drive

Drive	Liebherr axial piston motor with integrated brake valve and torque control
Swing ring	Liebherr, sealed race ball bearing swing ring, internal teeth
Swing speed	0 – 9.0 RPM stepless
Swing torque	50 kNm
Holding brake	wet multi-disc (spring applied, pressure released)
Option	pedal controlled positioning swing brake

Operator's Cab

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

Undercarriage

Drive	oversized two speed power shift transmission with additional creeper speed, Liebherr axial piston motor with functional brake valve on both sides
Pulling force	89 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 (accelerator pedal actuation) and when the machine is stationary (engagement); the digging brake engages automatically – can be coupled with automatic swing axle lock
Holding brake	wet multi-disc (spring applied, pressure released)
Stabilization	stabilizing blade (adjustable during travel for dozing) stabilizing blade front + 2 point outriggers rear
Option	EW-undercarriage 2.75 m/9'

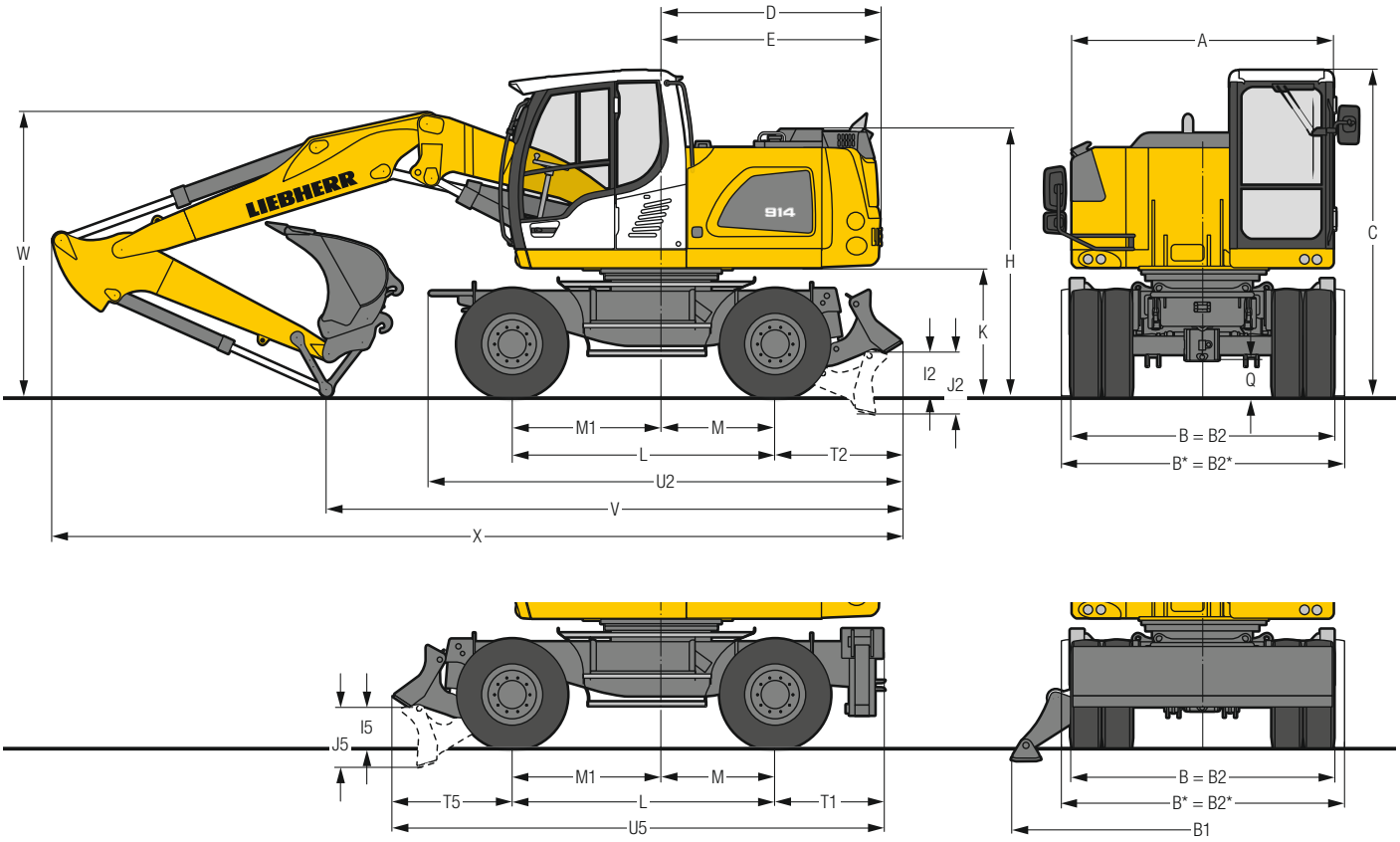
Attachment

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

Complete Machine

Lubrication	Liebherr central lubrication system for uppercarriage and attachment, automatically
Noise emission	
ISO 6396	L_{pA} (inside cab) = 71 dB(A)
2000/14/EC	L_{WA} (surround noise) = 100 dB(A)

Dimensions


D
E
A
W
H
C
K
I2
J2
Q
M1
M
L
T2
U2
V
X
B = B2
B* = B2*
914
LIEBHERR
I5
J5
T5
T1
U5
B1

	mm
A	2,525
B	2,550
B*	2,750
B1	3,695
B2	2,550
B2*	2,750
C	3,165
D	2,120
E	2,160
H	2,580
I2	425
I5	380
J2	605
J5	585
K	1,230
L	2,540
M	1,100
M1	1,440
Q	350
T1	1,047
T2	1,230
T5	1,153
U2	4,575
U5	4,740

* EW-Undercarriage
E = Tail radius
Tyres 10.00-20

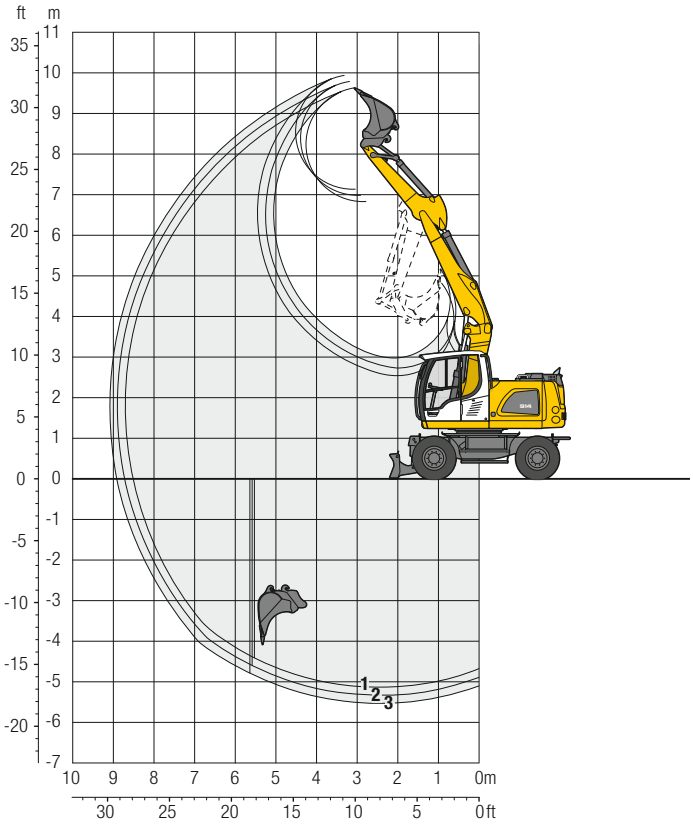
	Stick	**Two-piece boom 4.85 m**		**Mono boom 4.60 m**	
		Stabilizer blade	Blade + 2 pt. outriggers	Stabilizer blade	Blade + 2 pt. outriggers
	m	mm	mm	mm	mm
V	2.25	5,650	5,500	5,100	5,350*
	2.45	5,200	5,050	5,500	5,750*
	2.65	5,300*	5,650*	5,300[1)]	5,150[1)]
W	2.25	2,900	2,900	2,900	2,900*
	2.45	2,800	2,800	3,250	3,250*
	2.65	3,000*	3,000*	3,150[1)]	3,150[1)]
X	2.25	8,350	8,200	8,100	8,350*
	2.45	8,350	8,200	8,100	8,400*
	2.65	8,300*	8,650*	8,150[1)]	8,000[1)]

	Stick	**Offset two-piece boom 4.90 m**		**Offset mono boom 4.30 m**	
		Stabilizer blade	Blade + 2 pt. outriggers	Stabilizer blade	Blade + 2 pt. outriggers
	m	mm	mm	mm	mm
V	2.25	5,900	5,750	5,550	5,800*
	2.45	5,600	5,450	5,250[1)]	5,100[1)]
W	2.25	3,150	3,150	3,000	3,000*
	2.45	3,100	3,100	3,150[1)]	3,150[1)]
X	2.25	8,400	8,250	7,800	8,050*
	2.45	8,450	8,300	7,850[1)]	7,700[1)]

Dimensions are with attachment over steering axle
* Attachment over digging axle for shorter transport dimensions
[1)] without backhoe bucket

Backhoe Bucket

with Two-Piece Boom 4.85 m



Digging Envelope

with quick coupler		1	2	3
Stick length	m	2.25	2.45	2.65
Max. digging depth	m	5.15	5.35	5.55
Max. reach at ground level	m	8.50	8.70	8.90
Max. dumping height	m	6.85	7.00	7.15
Max. teeth height	m	9.65	9.80	9.95
Min. attachment radius	m	2.50	2.35	2.40

Digging Forces

without quick coupler		1	2	3
Max. digging force (ISO 6015)	kN	68.8	64.5	60.7
	t	7.0	6.6	6.2
Max. breakout force (ISO 6015)	kN	85.1	85.1	85.1
	t	8.7	8.7	8.7

Max. breakout force with ripper bucket 124.1 kN (12.6 t)

Operating Weight

The operating weight includes the basic machine with 8 tyres plus intermediate rings, two-piece boom 4.85 m, stick 2.45 m, quick coupler SW33 and bucket 850 mm / 0.50 m³.

Undercarriage versions	Weight (kg)
A 914 Litronic® with stabilizer blade	15,300
A 914 Litronic® with stabilizer blade + 2 pt. outriggers	16,500
A 914 EW Litronic® with stabilizer blade	15,600
A 914 EW Litronic® with stabilizer blade + 2 pt. outriggers	16,600

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

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised			Stabilizer blade down			Stabilizer blade + 2 pt. outriggers down			EW Stabilizers raised			EW Stabilizer blade down			EW Stabilizer blade + 2 pt. outriggers down		
			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)		
mm	m³	kg	2.25	2.45	2.65	2.25	2.45	2.65	2.25	2.45	2.65	2.25	2.45	2.65	2.25	2.45	2.65	2.25	2.45	2.65
300[2]	0.17	220	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
400[2]	0.24	250	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
500[2]	0.28	250	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
550[2]	0.29	260	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
650[2]	0.36	290	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
850[2]	0.50	340	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1,050[2]	0.65	380	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1,250[2]	0.80	430	■	△	△	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
300[3]	0.18	210	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
400[3]	0.26	240	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
500[3]	0.30	240	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
550[3]	0.31	250	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
650[3]	0.39	270	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
850[3]	0.53	320	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1,050[3]	0.71	370	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1,250[3]	0.87	420	△	△	△	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

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

[1] comparable with SAE (heaped)

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

Buckets up to 400 mm cutting width with limited digging depth

Max. material weight ■ = ≤ 1.8 t/m³, ■ = ≤ 1.5 t/m³, △ = ≤ 1.2 t/m³, – = not authorised

Lift Capacities

with Two-Piece Boom 4.85 m

Stick 2.25 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m				m
7.5	Stabilizers raised			2.4*	2.4*					2.2*	2.2*	
	Stabilizer blade down			2.4*	2.4*					2.2*	2.2*	4.6
	Blade + 2 pt. outr. down			2.4*	2.4*					2.2*	2.2*	
6.0	Stabilizers raised			3.8	3.9*	2.2*	2.2*			1.9*	1.9*	
	Stabilizer blade down			3.9*	3.9*	2.2*	2.2*			1.9*	1.9*	6.1
	Blade + 2 pt. outr. down			3.9*	3.9*	2.2*	2.2*			1.9*	1.9*	
4.5	Stabilizers raised			3.7	4.9*	2.4	3.8			1.8	1.9*	
	Stabilizer blade down			4.1	4.9*	2.6	3.9*			1.9*	1.9*	6.9
	Blade + 2 pt. outr. down			4.9*	4.9*	3.9*	3.9*			1.9*	1.9*	
3.0	Stabilizers raised	6.5	8.9*	3.6	5.7	2.3	3.7			1.5	1.9*	
	Stabilizer blade down	7.2	8.9*	4.0	5.7*	2.6	4.4*			1.7	1.9*	7.4
	Blade + 2 pt. outr. down	8.9*	8.9*	5.7*	5.7*	4.0	4.4*			1.9*	1.9*	
1.5	Stabilizers raised	6.4	9.8*	3.6	5.6	2.2	3.7			1.5	2.1*	
	Stabilizer blade down	7.1	9.8*	4.0	6.5*	2.5	4.7*			1.6	2.1*	7.5
	Blade + 2 pt. outr. down	9.8*	9.8*	5.9	6.5*	3.9	4.7*			2.1*	2.1*	
0	Stabilizers raised	6.2	10.5*	3.4	5.6	2.1	3.5			1.5	2.4*	
	Stabilizer blade down	7.0	10.5*	3.8	6.6*	2.4	4.8*			1.7	2.4*	7.3
	Blade + 2 pt. outr. down	10.5*	10.5*	5.9	6.6*	3.8	4.8*			2.4*	2.4*	
−1.5	Stabilizers raised	5.9	10.8	3.2	5.5	2.0	3.4			1.6	2.9	
	Stabilizer blade down	6.7	10.8*	3.5	6.7*	2.2	4.6*			1.9	3.1*	6.7
	Blade + 2 pt. outr. down	10.8*	10.8*	5.9	6.7*	3.7	4.6*			3.1	3.1*	
−3.0	Stabilizers raised	5.6	10.4*	3.0	5.2					2.1	3.0*	
	Stabilizer blade down	6.4	10.4*	3.3	5.7*					2.4	3.0*	5.7
	Blade + 2 pt. outr. down	10.4*	10.4*	5.6	5.7*					3.0*	3.0*	

Stick 2.45 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m				m
7.5	Stabilizers raised			2.6*	2.6*					2.0*	2.0*	
	Stabilizer blade down			2.7*	2.7*					2.0*	2.0*	4.9
	Blade + 2 pt. outr. down			2.7*	2.7*					2.0*	2.0*	
6.0	Stabilizers raised			3.6*	3.6*	2.3	2.4*			1.7*	1.7*	
	Stabilizer blade down			3.6*	3.6*	2.5*	2.5*			1.8*	1.8*	6.3
	Blade + 2 pt. outr. down			3.6*	3.6*	2.5*	2.5*			1.8*	1.8*	
4.5	Stabilizers raised			3.7	4.4*	2.3	3.7			1.6	1.7*	
	Stabilizer blade down			4.1	4.4*	2.6	3.7*			1.7*	1.7*	7.1
	Blade + 2 pt. outr. down			4.4*	4.4*	3.7*	3.7*			1.7*	1.7*	
3.0	Stabilizers raised	6.4	8.5*	3.6	5.5*	2.3	3.7	1.4	2.0*	1.4	1.7*	
	Stabilizer blade down	7.2	8.5*	4.0	5.6*	2.6	4.4*	1.7	2.1*	1.7	1.7*	7.6
	Blade + 2 pt. outr. down	8.5*	8.5*	5.6*	5.6*	4.0	4.4*	2.1*	2.1*	1.7*	1.7*	
1.5	Stabilizers raised	6.3	9.6*	3.5	5.5	2.2	3.6	1.4	2.4	1.3	1.8*	
	Stabilizer blade down	7.0	9.7*	3.9	6.3*	2.5	4.7*	1.6	2.7*	1.6	1.9*	7.7
	Blade + 2 pt. outr. down	9.7*	9.7*	5.9	6.3*	3.9	4.7*	2.7	2.7*	1.9*	1.9*	
0	Stabilizers raised	6.2	10.3*	3.4	5.5	2.1	3.5			1.4	2.1*	
	Stabilizer blade down	7.1	10.4*	3.8	6.6*	2.4	4.7*			1.6	2.2*	7.5
	Blade + 2 pt. outr. down	10.4*	10.4*	5.9	6.6*	3.8	4.7*			2.2*	2.2*	
−1.5	Stabilizers raised	5.8	10.6	3.1	5.4	1.9	3.3			1.5	2.7	
	Stabilizer blade down	6.6	10.7*	3.6	6.7*	2.2	4.7*			1.8	2.7*	6.9
	Blade + 2 pt. outr. down	10.7*	10.7*	5.9	6.7*	3.6	4.7*			2.7*	2.7*	
−3.0	Stabilizers raised	5.5	10.6*	2.9	5.2					1.9	2.9*	
	Stabilizer blade down	6.4	10.7*	3.3	6.1*					2.2	3.0*	5.9
	Blade + 2 pt. outr. down	10.7*	10.7*	5.6	6.1*					3.0*	3.0*	

Stick 2.65 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m				m
7.5	Stabilizers raised			2.8*	2.8*					1.8*	1.8*	
	Stabilizer blade down			2.8*	2.8*					1.8*	1.8*	5.2
	Blade + 2 pt. outr. down			2.8*	2.8*					1.8*	1.8*	
6.0	Stabilizers raised			3.4*	3.4*	2.4	2.6*			1.6*	1.6*	
	Stabilizer blade down			3.4*	3.4*	2.6	2.6*			1.6*	1.6*	6.6
	Blade + 2 pt. outr. down			3.4*	3.4*	2.6*	2.6*			1.6*	1.6*	
4.5	Stabilizers raised			3.7	4.0*	2.4	3.5*			1.6*	1.6*	
	Stabilizer blade down			4.0*	4.0*	2.6	3.5*			1.6*	1.6*	7.4
	Blade + 2 pt. outr. down			4.0*	4.0*	3.6*	3.6*			1.6*	1.6*	
3.0	Stabilizers raised	6.5	8.1*	3.6	5.4*	2.4	3.7	1.5	2.4*	1.4	1.6*	
	Stabilizer blade down	7.2	8.1*	4.0	5.4*	2.6	4.3*	1.7	2.4*	1.6	1.6*	7.8
	Blade + 2 pt. outr. down	8.1*	8.1*	5.4*	5.4*	3.9	4.3*	2.4*	2.4*	1.6*	1.6*	
1.5	Stabilizers raised	6.3	9.6*	3.6	5.5	2.3	3.7	1.5	2.5	1.3	1.7*	
	Stabilizer blade down	7.0	9.6*	3.9	6.2*	2.5	4.6*	1.6	3.0*	1.5	1.7*	7.9
	Blade + 2 pt. outr. down	9.6*	9.6*	5.8	6.2*	3.9	4.6*	2.7	3.0*	1.7*	1.7*	
0	Stabilizers raised	6.3	10.2*	3.4	5.5	2.1	3.6	1.4	2.4	1.3	2.0*	
	Stabilizer blade down	7.0	10.2*	3.8	6.5*	2.4	4.7*	1.6	2.8*	1.5	2.0*	7.7
	Blade + 2 pt. outr. down	10.2*	10.2*	5.8	6.5*	3.8	4.7*	2.6	2.8*	2.0*	2.0*	
−1.5	Stabilizers raised	5.8	10.6	3.2	5.5	2.0	3.4			1.5	2.4*	
	Stabilizer blade down	6.6	10.6*	3.6	6.6*	2.2	4.7*			1.7	2.4*	7.1
	Blade + 2 pt. outr. down	10.6*	10.6*	5.9	6.6*	3.6	4.7*			2.4*	2.4*	
−3.0	Stabilizers raised	5.6	10.9*	2.9	5.2	1.9	3.3			1.8	3.0*	
	Stabilizer blade down	6.4	10.9*	3.3	6.4*	2.1	3.4*			2.0	3.0*	6.2
	Blade + 2 pt. outr. down	10.9*	10.9*	5.6	6.3*	3.4*	3.4*			3.0*	3.0*	

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

The lift capacities on the load lift hook of the Liebherr quick coupler SW33 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. 5 t). Without the quick coupler, lift capacities will increase by up to 110 kg.

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

Lift Capacities

with Two-Piece Boom 4.85 m EW-Undercarriage

Stick 2.25 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m				m
7.5	Stabilizers raised			2.4*	2.4*					2.2*	2.2*	4.6
	Stabilizer blade down			2.4*	2.4*					2.2*	2.2*	
	Blade + 2 pt. outr. down			2.4*	2.4*					2.2*	2.2*	
6.0	Stabilizers raised			3.9*	3.9*	2.2*	2.2*			1.9*	1.9*	6.1
	Stabilizer blade down			3.9*	3.9*	2.2*	2.2*			1.9*	1.9*	
	Blade + 2 pt. outr. down			3.9*	3.9*	2.2*	2.2*			1.9*	1.9*	
4.5	Stabilizers raised			4.1	4.9*	2.6	3.8			1.9*	1.9*	6.9
	Stabilizer blade down			4.5	4.9*	2.9	3.9*			1.9*	1.9*	
	Blade + 2 pt. outr. down			4.9*	4.9*	3.9*	3.9*			1.9*	1.9*	
3.0	Stabilizers raised	7.3	8.9*	4.0	5.7*	2.6	3.8			1.8	1.9*	7.4
	Stabilizer blade down	8.1	8.9*	4.4	5.7*	2.9	4.4*			1.9*	1.9*	
	Blade + 2 pt. outr. down	8.9*	8.9*	5.7*	5.7*	4.1	4.4*			1.9*	1.9*	
1.5	Stabilizers raised	7.1	9.8*	4.0	5.7	2.5	3.7			1.7	2.1*	7.5
	Stabilizer blade down	7.9	9.8*	4.4	6.5*	2.8	4.7*			1.9	2.1*	
	Blade + 2 pt. outr. down	9.8*	9.8*	6.2	6.5*	4.1	4.7*			2.1*	2.1*	
0	Stabilizers raised	7.1	10.5*	3.9	5.7	2.4	3.6			1.7	2.4*	7.3
	Stabilizer blade down	8.0	10.5*	4.3	6.6*	2.7	4.8*			1.9	2.4*	
	Blade + 2 pt. outr. down	10.5*	10.5*	6.2	6.6*	4.0	4.8*			2.4*	2.4*	
−1.5	Stabilizers raised	6.7	10.8*	3.6	5.6	2.3	3.5			1.9	2.9	6.7
	Stabilizer blade down	7.7	10.8*	4.0	6.7*	2.5	4.6*			2.1	3.1*	
	Blade + 2 pt. outr. down	10.8*	10.8*	6.2	6.7*	3.9	4.6*			3.1*	3.1*	
−3.0	Stabilizers raised	6.5	10.4*	3.4	5.4					2.4	3.0*	5.7
	Stabilizer blade down	7.4	10.4*	3.8	5.7*					2.7	3.0*	
	Blade + 2 pt. outr. down	10.4*	10.4*	5.7*	5.7*					3.0*	3.0*	

Stick 2.45 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m				m
7.5	Stabilizers raised			2.7*	2.7*					2.0*	2.0*	4.9
	Stabilizer blade down			2.7*	2.7*					2.0*	2.0*	
	Blade + 2 pt. outr. down			2.7*	2.7*					2.0*	2.0*	
6.0	Stabilizers raised			3.6*	3.6*	2.5*	2.5*			1.8*	1.8*	6.3
	Stabilizer blade down			3.6*	3.6*	2.5*	2.5*			1.8*	1.8*	
	Blade + 2 pt. outr. down			3.6*	3.6*	2.5*	2.5*			1.8*	1.8*	
4.5	Stabilizers raised			4.1	4.4*	2.7	3.7*			1.7*	1.7*	7.2
	Stabilizer blade down			4.4*	4.4*	2.9	3.7*			1.7*	1.7*	
	Blade + 2 pt. outr. down			4.4*	4.4*	3.7*	3.7*			1.7*	1.7*	
3.0	Stabilizers raised	7.3	8.5*	4.0	5.6*	2.6	3.8	1.7	2.1*	1.7	1.7*	7.6
	Stabilizer blade down	8.1	8.5*	4.4	5.6*	2.9	4.4*	1.9	2.1*	1.7*	1.7*	
	Blade + 2 pt. outr. down	8.5*	8.5*	5.6*	5.6*	4.1	4.4*	2.1*	2.1*	1.7*	1.7*	
1.5	Stabilizers raised	7.1	9.7*	4.0	5.7	2.5	3.8	1.7	2.5	1.6	1.9*	7.7
	Stabilizer blade down	7.9	9.7*	4.4	6.3*	2.8	4.7*	1.9	2.7*	1.8	1.9*	
	Blade + 2 pt. outr. down	9.7*	9.7*	6.1	6.3*	4.1	4.7*	2.7*	2.7*	1.9*	1.9*	
0	Stabilizers raised	7.1	10.4*	3.9	5.7	2.4	3.6			1.6	2.2*	7.5
	Stabilizer blade down	7.9	10.4*	4.3	6.6*	2.7	4.7*			1.8	2.2*	
	Blade + 2 pt. outr. down	10.4*	10.4*	6.1	6.6*	4.0	4.7*			2.2*	2.2*	
−1.5	Stabilizers raised	6.7	10.7*	3.6	5.6	2.3	3.5			1.8	2.7*	6.9
	Stabilizer blade down	7.7	10.7*	4.1	6.7*	2.5	4.7*			2.0	2.7*	
	Blade + 2 pt. outr. down	10.7*	10.7*	6.2	6.7*	3.9	4.7*			2.7*	2.7*	
−3.0	Stabilizers raised	6.5	10.7*	3.4	5.4					2.2	3.0*	5.9
	Stabilizer blade down	7.4	10.7*	3.8	6.1*					2.5	3.0*	
	Blade + 2 pt. outr. down	10.7*	10.7*	6.0	6.1*					3.0*	3.0*	

Stick 2.65 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m				m
7.5	Stabilizers raised			2.8*	2.8*					1.8*	1.8*	5.2
	Stabilizer blade down			2.8*	2.8*					1.8*	1.8*	
	Blade + 2 pt. outr. down			2.8*	2.8*					1.8*	1.8*	
6.0	Stabilizers raised			3.4*	3.4*	2.6*	2.6*			1.6*	1.6*	6.6
	Stabilizer blade down			3.4*	3.4*	2.6*	2.6*			1.6*	1.6*	
	Blade + 2 pt. outr. down			3.4*	3.4*	2.6*	2.6*			1.6*	1.6*	
4.5	Stabilizers raised			4.0*	4.0*	2.7	3.5*			1.6*	1.6*	7.4
	Stabilizer blade down			4.0*	4.0*	2.9	3.5*			1.6*	1.6*	
	Blade + 2 pt. outr. down			4.0*	4.0*	3.6*	3.6*			1.6*	1.6*	
3.0	Stabilizers raised	7.3	8.1*	4.0	5.4*	2.7	3.8	1.7	2.4*	1.6*	1.6*	7.8
	Stabilizer blade down	8.1*	8.1*	4.4	5.4*	2.9	4.3*	1.9	2.4*	1.6*	1.6*	
	Blade + 2 pt. outr. down	8.1*	8.1*	5.4*	5.4*	4.1	4.3*	2.4*	2.4*	1.6*	1.6*	
1.5	Stabilizers raised	7.1	9.6*	4.0	5.6	2.6	3.8	1.7	2.6	1.5	1.7*	7.9
	Stabilizer blade down	7.9	9.6*	4.3	6.2*	2.8	4.6*	1.9	3.0*	1.7	1.7*	
	Blade + 2 pt. outr. down	9.6*	9.6*	6.1	6.2*	4.1	4.6*	2.8	3.0*	1.7*	1.7*	
0	Stabilizers raised	7.1	10.2*	3.9	5.7	2.4	3.6	1.6	2.5	1.5	2.0*	7.7
	Stabilizer blade down	7.9	10.2*	4.3	6.5*	2.7	4.7*	1.8	2.8*	1.7	2.0*	
	Blade + 2 pt. outr. down	10.2*	10.2*	6.1	6.5*	4.0	4.7*	2.8	2.8*	2.0*	2.0*	
−1.5	Stabilizers raised	6.7	10.6*	3.7	5.7	2.3	3.5			1.7	2.4*	7.1
	Stabilizer blade down	7.7	10.6*	4.1	6.6*	2.5	4.7*			1.9	2.4*	
	Blade + 2 pt. outr. down	10.6*	10.6*	6.3	6.6*	3.9	4.7*			2.4*	2.4*	
−3.0	Stabilizers raised	6.5	10.9*	3.4	5.4	2.2	3.4*			2.1	3.0*	6.2
	Stabilizer blade down	7.4	10.9*	3.8	6.4*	2.4	3.4*			2.3	3.0*	
	Blade + 2 pt. outr. down	10.9*	10.9*	6.0	6.3*	3.4*	3.4*			3.0*	3.0*	

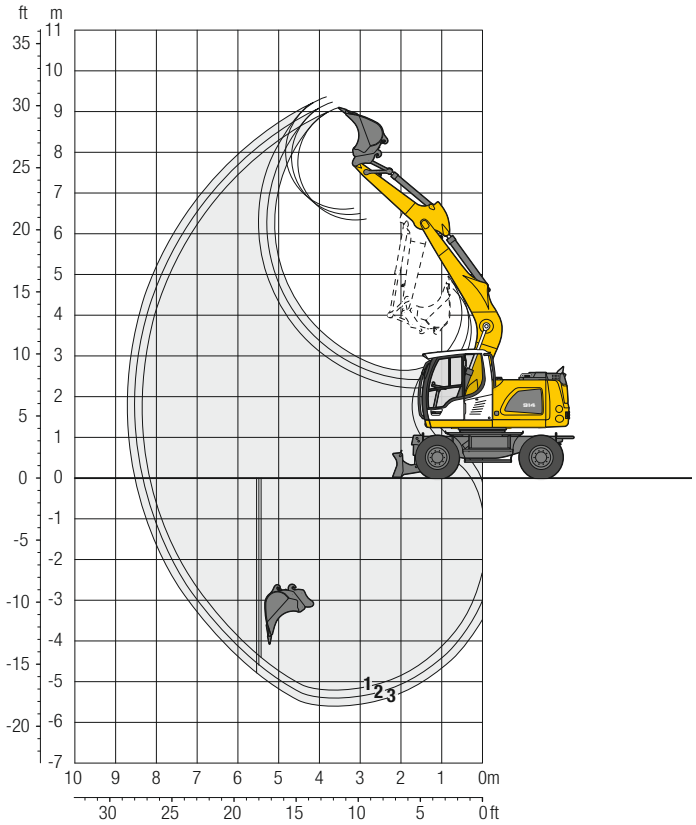
Height **Can be slewed through 360°** **In longitudinal position of undercarriage** **Max. reach** *** Limited by hydr. capacity**

The lift capacities on the load lift hook of the Liebherr quick coupler SW33 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. 5 t). Without the quick coupler, lift capacities will increase by up to 110 kg.

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

Backhoe Bucket

with Mono Boom 4.60 m



Digging Envelope

with quick coupler		1	2	3
Stick length	m	2.25	2.45	2.65
Max. digging depth	m	5.20	5.40	5.60
Max. reach at ground level	m	8.15	8.35	8.55
Max. dumping height	m	6.35	6.50	6.65
Max. teeth height	m	9.10	9.25	9.40
Min. attachment radius	m	2.30	2.15	2.05

Digging Forces

without quick coupler		1	2	3
Max. digging force (ISO 6015)	kN	68.8	64.5	60.7
	t	7.0	6.6	6.2
Max. breakout force (ISO 6015)	kN	85.1	85.1	85.1
	t	8.7	8.7	8.7

Max. breakout force with ripper bucket 124.1 kN (12.6 t)

Operating Weight

The operating weight includes the basic machine with 8 tyres plus intermediate rings, mono boom 4.60 m, stick 2.45 m, quick coupler SW33 and bucket 850 mm/0.50 m³.

Undercarriage versions	Weight (kg)
A 914 Litronic with stabilizer blade	14,900
A 914 Litronic with stabilizer blade + 2 pt. outriggers	16,100

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

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised			Stabilizer blade down			Stabilizer blade + 2 pt. outriggers down		
			Stick length (m)			Stick length (m)			Stick length (m)		
mm	m³	kg	2.25	2.45	2.65	2.25	2.45	2.65	2.25	2.45	2.65
300[2]	0.17	220	■	■	■	■	■	■	■	■	■
400[2]	0.24	250	■	■	■	■	■	■	■	■	■
500[2]	0.28	250	■	■	■	■	■	■	■	■	■
550[2]	0.29	260	■	■	■	■	■	■	■	■	■
650[2]	0.36	290	■	■	■	■	■	■	■	■	■
850[2]	0.50	340	■	■	■	■	■	■	■	■	■
1,050[2]	0.65	380	■	■	■	■	■	■	■	■	■
1,250[2]	0.80	430	■	■	■	■	■	■	■	■	■
300[3]	0.18	210	■	■	■	■	■	■	■	■	■
400[3]	0.26	240	■	■	■	■	■	■	■	■	■
500[3]	0.30	240	■	■	■	■	■	■	■	■	■
550[3]	0.31	250	■	■	■	■	■	■	■	■	■
650[3]	0.39	270	■	■	■	■	■	■	■	■	■
850[3]	0.53	320	■	■	■	■	■	■	■	■	■
1,050[3]	0.71	370	■	■	■	■	■	■	■	■	■
1,250[3]	0.87	420	■	■	△	■	■	■	■	■	■

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

[1] comparable with SAE (heaped)

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

Buckets up to 400 mm cutting width with limited digging depth

Max. material weight ■ = ≤ 1.8 t/m³, ■ = ≤ 1.5 t/m³, △ = ≤ 1.2 t/m³, – = not authorised

Lift Capacities

with Mono Boom 4.60 m

Stick 2.25 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m				m
7.5	Stabilizers raised									2.2*	2.2*	3.9
	Stabilizer blade down									2.2*	2.2*	
	Blade + 2 pt. outr. down									2.2*	2.2*	
6.0	Stabilizers raised			3.5*	3.5*					1.9*	1.9*	5.6
	Stabilizer blade down			3.5*	3.5*					1.9*	1.9*	
	Blade + 2 pt. outr. down			3.5*	3.5*					1.9*	1.9*	
4.5	Stabilizers raised			3.6	3.9*	2.3	3.2*			1.9*	1.9*	6.5
	Stabilizer blade down			3.9*	3.9*	2.5	3.2*			1.9*	1.9*	
	Blade + 2 pt. outr. down			3.9*	3.9*	3.2*	3.2*			1.9*	1.9*	
3.0	Stabilizers raised	6.2	7.2*	3.4	4.9*	2.2	3.6			1.7	2.0*	7.0
	Stabilizer blade down	7.0	7.2*	3.8	4.9*	2.4	4.0*			1.9	2.0*	
	Blade + 2 pt. outr. down	7.2*	7.2*	4.9*	4.9*	3.9	4.0*			2.0*	2.0*	
1.5	Stabilizers raised	5.4	7.6*	3.1	5.4	2.1	3.5			1.6	2.2*	7.1
	Stabilizer blade down	6.2	7.6*	3.5	6.0*	2.3	4.5*			1.8	2.2*	
	Blade + 2 pt. outr. down	7.6*	7.6*	5.7	6.0*	3.7	4.5*			2.2*	2.2*	
0	Stabilizers raised	5.2	7.3*	2.9	5.2	2.0	3.4			1.6	2.7*	6.9
	Stabilizer blade down	5.9	7.3*	3.3	6.6*	2.2	4.8*			1.8	2.7*	
	Blade + 2 pt. outr. down	7.3*	7.3*	5.5	6.6*	3.6	4.8*			2.7*	2.7*	
−1.5	Stabilizers raised	5.1	9.8*	2.8	5.1	1.9	3.3			1.8	3.2	6.2
	Stabilizer blade down	5.9	9.8*	3.2	6.5*	2.2	4.6*			2.1	3.7*	
	Blade + 2 pt. outr. down	9.8*	9.8*	5.5	6.5*	3.6	4.6*			3.4	3.7*	
−3.0	Stabilizers raised	5.3	8.0*	2.9	5.1					2.4	4.2	5.1
	Stabilizer blade down	6.0	8.0*	3.3	5.4*					2.7	4.6*	
	Blade + 2 pt. outr. down	8.0*	8.0*	5.4*	5.4*					4.6	4.6*	

Stick 2.45 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m				m
7.5	Stabilizers raised									2.0*	2.0*	4.2
	Stabilizer blade down									2.0*	2.0*	
	Blade + 2 pt. outr. down									2.0*	2.0*	
6.0	Stabilizers raised			3.2*	3.2*					1.7*	1.7*	5.8
	Stabilizer blade down			3.2*	3.2*					1.7*	1.7*	
	Blade + 2 pt. outr. down			3.2*	3.2*					1.7*	1.7*	
4.5	Stabilizers raised			3.7	3.7*	2.3	3.2*			1.7*	1.7*	6.7
	Stabilizer blade down			3.7*	3.7*	2.5	3.2*			1.7*	1.7*	
	Blade + 2 pt. outr. down			3.7*	3.7*	3.2*	3.2*			1.7*	1.7*	
3.0	Stabilizers raised	6.3	6.7*	3.4	4.7*	2.2	3.6			1.6	1.8*	7.2
	Stabilizer blade down	6.7*	6.7*	3.8	4.7*	2.4	3.9*			1.8*	1.8*	
	Blade + 2 pt. outr. down	6.7*	6.7*	4.7*	4.7*	3.9	3.9*			1.8*	1.8*	
1.5	Stabilizers raised	5.5	8.8*	3.1	5.4	2.1	3.5			1.5	2.0*	7.3
	Stabilizer blade down	6.2	8.8*	3.5	5.8*	2.3	4.4*			1.7	2.0*	
	Blade + 2 pt. outr. down	8.7*	8.7*	5.8	5.8*	3.7	4.4*			2.0*	2.0*	
0	Stabilizers raised	5.1	7.4*	2.9	5.1	2.0	3.4			1.6	2.4*	7.1
	Stabilizer blade down	5.9	7.4*	3.3	6.5*	2.2	4.7*			1.7	2.4*	
	Blade + 2 pt. outr. down	7.4*	7.4*	5.5	6.5*	3.6	4.7*			2.4*	2.4*	
−1.5	Stabilizers raised	5.1	9.5*	2.8	5.0	1.9	3.3			1.7	3.0	6.5
	Stabilizer blade down	5.8	9.5*	3.2	6.5*	2.1	4.6*			1.9	3.2*	
	Blade + 2 pt. outr. down	9.5*	9.5*	5.4	6.5*	3.6	4.6*			3.2*	3.2*	
−3.0	Stabilizers raised	5.2	8.3*	2.8	5.1					2.2	3.9	5.4
	Stabilizer blade down	5.9	8.3*	3.2	5.6*					2.5	4.4*	
	Blade + 2 pt. outr. down	8.3*	8.3*	5.5	5.6*					4.2	4.4*	

Stick 2.65 m

m	Unterwagen	3.0 m		4.5 m		6.0 m		7.5 m				m
7.5	Stabilizers raised			1.9*	1.9*					1.8*	1.8*	4.6
	Stabilizer blade down			1.9*	1.9*					1.8*	1.8*	
	Blade + 2 pt. outr. down			1.9*	1.9*					1.8*	1.8*	
6.0	Stabilizers raised			3.0*	3.0*	1.8*	1.8*			1.6*	1.6*	6.1
	Stabilizer blade down			3.0*	3.0*	1.8*	1.8*			1.6*	1.6*	
	Blade + 2 pt. outr. down			3.0*	3.0*	1.8*	1.8*			1.6*	1.6*	
4.5	Stabilizers raised			3.4*	3.4*	2.3	3.1*			1.6*	1.6*	6.9
	Stabilizer blade down			3.4*	3.4*	2.6	3.1*			1.6*	1.6*	
	Blade + 2 pt. outr. down			3.4*	3.4*	3.1*	3.1*			1.6*	1.6*	
3.0	Stabilizers raised	6.2*	6.2*	3.4	4.5*	2.2	3.6			1.6	1.6*	7.4
	Stabilizer blade down	6.2*	6.2*	3.8	4.5*	2.4	3.8*			1.6*	1.6*	
	Blade + 2 pt. outr. down	6.2*	6.2*	4.5*	4.5*	3.8*	3.8*			1.6*	1.6*	
1.5	Stabilizers raised	5.5	9.4*	3.1	5.4	2.1	3.5			1.5	1.8*	7.5
	Stabilizer blade down	6.3	9.4*	3.5	5.7*	2.3	4.3*			1.6	1.8*	
	Blade + 2 pt. outr. down	9.4*	9.4*	5.7*	5.7*	3.7	4.3*			1.8*	1.8*	
0	Stabilizers raised	5.1	7.5*	2.9	5.1	1.9	3.3			1.5	2.1*	7.3
	Stabilizer blade down	5.9	7.5*	3.3	6.4*	2.2	4.7*			1.7	2.1*	
	Blade + 2 pt. outr. down	7.5*	7.5*	5.5	6.4*	3.6	4.7*			2.1*	2.1*	
−1.5	Stabilizers raised	5.0	9.2*	2.8	5.0	1.9	3.3			1.6	2.8*	6.7
	Stabilizer blade down	5.8	9.2*	3.2	6.5*	2.1	4.7*			1.8	2.8*	
	Blade + 2 pt. outr. down	9.2*	9.2*	5.4	6.5*	3.5	4.7*			2.8*	2.8*	
−3.0	Stabilizers raised	5.1	8.6*	2.8	5.0					2.1	3.6	5.6
	Stabilizer blade down	5.9	8.6*	3.2	5.7*					2.3	4.3*	
	Blade + 2 pt. outr. down	8.6*	8.6*	5.4	5.7*					3.9	4.3*	
−4.5	Stabilizers raised	5.4	5.5*							3.9	4.4*	3.7
	Stabilizer blade down	5.5*	5.5*							4.4*	4.4*	
	Blade + 2 pt. outr. down	5.5*	5.5*							4.4*	4.4*	

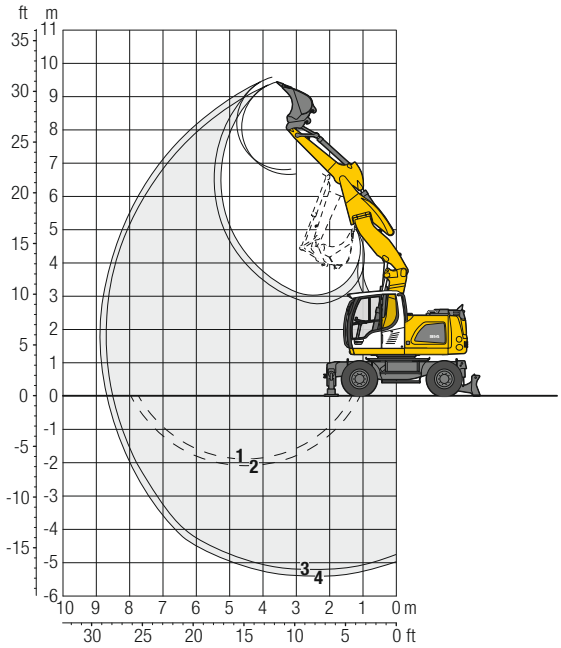
Height **Can be slewed through 360°** **In longitudinal position of undercarriage** **Max. reach** *** Limited by hydr. capacity**

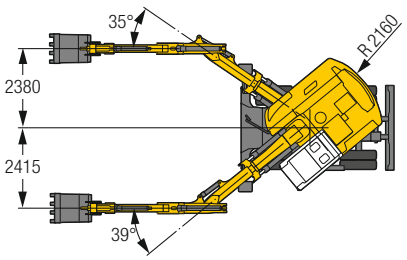
The lift capacities on the load lift hook of the Liebherr quick coupler SW33 without working tool are stated in metric tons (t) and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. 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. 5 t). Without the quick coupler, lift capacities will increase by up to 110 kg.

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

Backhoe Bucket

with Offset Two-Piece Boom 4.90 m





Digging Envelope

with quick coupler		3	4
Stick length	m	2.25	2.45
Max. digging depth	m	5.20	5.40
Max. reach at ground level	m	8.50	8.70
Max. dumping height	m	6.70	6.80
Max. teeth height	m	9.45	9.60
Min. attachment radius	m	2.90	2.75

1 with stick 2.25 m
2 with stick 2.45 m
at max. attachment offset
with vertical ditch walls

3 with stick 2.25 m
4 with stick 2.45 m
with set straight boom

Digging Forces

without quick coupler		3	4
Max. digging force (ISO 6015)	kN	68.8	64.5
	t	7.0	6.6
Max. breakout force (ISO 6015)	kN	85.1	85.1
	t	8.7	8.7

Max. breakout force with ripper bucket 124.1 kN (12.6 t)

Operating Weight

The operating weight includes the basic machine with 8 tyres plus intermediate rings, offset two-piece boom 4.90 m, stick 2.45 m, quick coupler SW33 and bucket 850 mm / 0.50 m³.

Undercarriage versions	Weight (kg)
A 914 Litronic® with stabilizer blade	15,800
A 914 Litronic® with stabilizer blade + 2 pt. outriggers	17,000
A 914 EW Litronic® with stabilizer blade	16,200
A 914 EW Litronic® with stabilizer blade + 2 pt. outriggers	17,200

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

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised		Stabilizer blade down		Stabilizer blade + 2 pt. outriggers down		EW Stabilizers raised		EW Stabilizer blade down		EW Stabilizer blade + 2 pt. outriggers down	
			Stick length (m)		Stick length (m)		Stick length (m)		Stick length (m)		Stick length (m)		Stick length (m)	
mm	m³	kg	2.25	2.45	2.25	2.45	2.25	2.45	2.25	2.45	2.25	2.45	2.25	2.45
550[2]	0.29	260	■	■	■	■	■	■	■	■	■	■	■	■
650[2]	0.36	290	■	■	■	■	■	■	■	■	■	■	■	■
850[2]	0.50	340	■	■	■	■	■	■	■	■	■	■	■	■
1,050[2]	0.65	380	■	■	■	■	■	■	■	■	■	■	■	■
1,250[2]	0.80	430	■	△	■	■	■	■	■	■	■	■	■	■
300[3]	0.18	210	■	■	■	■	■	■	■	■	■	■	■	■
400[3]	0.26	240	■	■	■	■	■	■	■	■	■	■	■	■
500[3]	0.30	240	■	■	■	■	■	■	■	■	■	■	■	■
550[3]	0.31	250	■	■	■	■	■	■	■	■	■	■	■	■
650[3]	0.39	270	■	■	■	■	■	■	■	■	■	■	■	■
850[3]	0.53	320	■	■	■	■	■	■	■	■	■	■	■	■
1,050[3]	0.71	370	■	■	■	■	■	■	■	■	■	■	■	■
1,250[3]	0.87	420	△	△	■	■	■	■	■	△	■	■	■	■

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

[1] comparable with SAE (heaped)

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

Max. material weight ■ = ≤ 1.8 t/m³, ■ = ≤ 1.5 t/m³, △ = ≤ 1.2 t/m³, – = not authorised

Lift Capacities

with Offset Two-Piece Boom 4.90 m

Stick 2.25 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m				m
	Stabilizers raised			2.2*	2.2*					2.1*	2.1*	
7.5	Stabilizer blade down			2.2*	2.2*					2.1*	2.1*	4.5
	Blade + 2 pt. outr. down			2.2*	2.2*					2.1*	2.1*	
	Stabilizers raised			3.8	3.8*	2.0*	2.0*			1.9*	1.9*	
6.0	Stabilizer blade down			3.8*	3.8*	2.0*	2.0*			1.9*	1.9*	6.0
	Blade + 2 pt. outr. down			3.8*	3.8*	2.0*	2.0*			1.9*	1.9*	
	Stabilizers raised			3.7	4.6*	2.3	3.7			1.7	1.8*	
4.5	Stabilizer blade down			4.1	4.6*	2.5	3.8*			1.8*	1.8*	6.9
	Blade + 2 pt. outr. down			4.6*	4.6*	3.8*	3.8*			1.8*	1.8*	
	Stabilizers raised	6.4	8.4*	3.6	5.4*	2.3	3.6			1.4	1.9*	
3.0	Stabilizer blade down	7.0	8.4*	3.9	5.4*	2.5	4.2*			1.6	1.9*	7.3
	Blade + 2 pt. outr. down	8.4*	8.4*	5.4*	5.4*	3.8	4.2*			1.9*	1.9*	
	Stabilizers raised	6.2	9.3*	3.5	5.4	2.1	3.6			1.3	2.1*	
1.5	Stabilizer blade down	6.8	9.3*	3.9	6.0*	2.4	4.4*			1.5	2.1*	7.5
	Blade + 2 pt. outr. down	9.3*	9.3*	5.7	6.0*	3.8	4.4*			2.1*	2.1*	
	Stabilizers raised	6.1	10.0*	3.4	5.5	1.9	3.4			1.3	2.4	
0	Stabilizer blade down	6.9	10.0*	3.8	6.2*	2.2	4.5*			1.5	2.5*	7.2
	Blade + 2 pt. outr. down	10.0*	10.0*	5.7	6.2*	3.6	4.5*			2.5*	2.5*	
	Stabilizers raised	5.6	10.3*	3.0	5.3	1.8	3.2			1.4	2.7	
−1.5	Stabilizer blade down	6.4	10.3*	3.4	6.4*	2.0	4.4*			1.7	3.3*	6.7
	Blade + 2 pt. outr. down	10.3*	10.3*	5.7	6.4*	3.5	4.4*			2.9	3.3*	
	Stabilizers raised	5.2	10.1*	2.7	5.0					1.9	3.1*	
−3.0	Stabilizer blade down	6.0	10.1*	3.1	5.5*					2.1	3.1*	5.6
	Blade + 2 pt. outr. down	10.1*	10.1*	5.4	5.5*					3.1*	3.1*	

Stick 2.45 m

m	Undercarriage	3.0 m		4.5 m		6.0 m		7.5 m				m
	Stabilizers raised			2.5*	2.5*					1.9*	1.9*	
7.5	Stabilizer blade down			2.5*	2.5*					1.9*	1.9*	4.8
	Blade + 2 pt. outr. down			2.5*	2.5*					1.9*	1.9*	
	Stabilizers raised			3.6*	3.6*	2.3	2.3*			1.7*	1.7*	
6.0	Stabilizer blade down			3.6*	3.6*	2.3*	2.3*			1.7*	1.7*	6.3
	Blade + 2 pt. outr. down			3.6*	3.6*	2.3*	2.3*			1.7*	1.7*	
	Stabilizers raised			3.7	4.4*	2.3	3.7*			1.6	1.7*	
4.5	Stabilizer blade down			4.1	4.4*	2.6	3.7*			1.7*	1.7*	7.1
	Blade + 2 pt. outr. down			4.4*	4.4*	3.7*	3.7*			1.7*	1.7*	
	Stabilizers raised	6.4	8.0*	3.6	5.2*	2.3	3.6	1.4	1.9*	1.3	1.7*	
3.0	Stabilizer blade down	7.0	8.0*	3.9	5.2*	2.5	4.1*	1.5	1.9*	1.5	1.7*	7.5
	Blade + 2 pt. outr. down	8.0*	8.0*	5.2*	5.2*	3.8	4.1*	1.9*	1.9*	1.7*	1.7*	
	Stabilizers raised	6.1	9.2*	3.5	5.4	2.2	3.6	1.3	2.3	1.2	1.9*	
1.5	Stabilizer blade down	6.8	9.2*	3.8	5.9*	2.4	4.4*	1.5	2.5*	1.4	1.9*	7.6
	Blade + 2 pt. outr. down	9.2*	9.2*	5.6	5.9*	3.8	4.4*	2.5*	2.5*	1.9*	1.9*	
	Stabilizers raised	6.2	9.8*	3.4	5.4	2.0	3.4			1.2	2.2*	
0	Stabilizer blade down	6.8	9.8*	3.8	6.2*	2.2	4.4*			1.4	2.2*	7.4
	Blade + 2 pt. outr. down	9.8*	9.8*	5.7	6.2*	3.7	4.4*			2.2*	2.2*	
	Stabilizers raised	5.6	10.2*	3.0	5.4	1.8	3.2			1.4	2.5	
−1.5	Stabilizer blade down	6.5	10.2*	3.4	6.3*	2.0	4.5*			1.6	2.8*	6.9
	Blade + 2 pt. outr. down	10.2*	10.2*	5.7	6.3*	3.5	4.4*			2.8	2.8*	
	Stabilizers raised	5.2	10.4*	2.7	5.0					1.7	3.0*	
−3.0	Stabilizer blade down	6.0	10.4*	3.1	5.9*					2.0	3.0*	5.9
	Blade + 2 pt. outr. down	10.4*	10.4*	5.4	5.9*					3.0*	3.0*	

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

The lift capacities on the load lift hook of the Liebherr quick coupler SW33 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. 5 t). Without the quick coupler, lift capacities will increase by up to 110 kg.

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

Lift Capacities

with Offset Two-Piece Boom 4.90 m EW-Undercarriage

Stick 2.25 m

m	Undercarriage	3,0 m		4,5 m		6,0 m		7,5 m				m
7.5	Stabilizers raised			2.2*	2.2*					2.1*	2.1*	4.5
	Stabilizer blade down			2.2*	2.2*					2.1*	2.1*	
	Blade + 2 pt. outr. down			2.2*	2.2*					2.1*	2.1*	
6.0	Stabilizers raised			3.8*	3.8*	2.0*	2.0*			1.9*	1.9*	6.0
	Stabilizer blade down			3.8*	3.8*	2.0*	2.0*			1.9*	1.9*	
	Blade + 2 pt. outr. down			3.8*	3.8*	2.0*	2.0*			1.9*	1.9*	
4.5	Stabilizers raised			4.1	4.6*	2.6	3.8			1.8*	1.8*	6.9
	Stabilizer blade down			4.5	4.6*	2.8	3.8*			1.8*	1.8*	
	Blade + 2 pt. outr. down			4.6*	4.6*	3.8*	3.8*			1.8*	1.8*	
3.0	Stabilizers raised	7.1	8.4*	4.0	5.4*	2.5	3.7			1.6	1.9*	7.3
	Stabilizer blade down	7.8	8.4*	4.3	5.4*	2.8	4.2*			1.8	1.9*	
	Blade + 2 pt. outr. down	8.4*	8.4*	5.4*	5.4*	4.0	4.2*			1.9*	1.9*	
1.5	Stabilizers raised	6.9	9.3*	3.9	5.5	2.4	3.7			1.5	2.1*	7.5
	Stabilizer blade down	7.6	9.3*	4.3	6.0*	2.7	4.4*			1.7	2.1*	
	Blade + 2 pt. outr. down	9.3*	9.3*	5.9	6.0*	4.0	4.4*			2.1*	2.1*	
0	Stabilizers raised	7.0	10.0*	3.8	5.5	2.2	3.5			1.5	2.5	7.2
	Stabilizer blade down	7.7	10.0*	4.3	6.2*	2.5	4.5*			1.7	2.5*	
	Blade + 2 pt. outr. down	10.0*	10.0*	5.9	6.2*	3.9	4.5*			2.5*	2.5*	
−1.5	Stabilizers raised	6.5	10.3*	3.4	5.4	2.0	3.3			1.7	2.8	6.7
	Stabilizer blade down	7.5	10.3*	3.9	6.4*	2.3	4.4*			1.9	3.3*	
	Blade + 2 pt. outr. down	10.3*	10.3*	6.1	6.4*	3.7	4.4*			3.1	3.3*	
−3.0	Stabilizers raised	6.1	10.1*	3.1	5.1					2.2	3.1*	5.6
	Stabilizer blade down	7.0	10.1*	3.6	5.5*					2.5	3.1*	
	Blade + 2 pt. outr. down	10.1*	10.1*	5.5*	5.5*					3.1*	3.1*	

Stick 2.45 m

m	Undercarriage	3,0 m		4,5 m		6,0 m		7,5 m				m
7.5	Stabilizers raised			2.5*	2.5*					1.9*	1.9*	4.8
	Stabilizer blade down			2.5*	2.5*					1.9*	1.9*	
	Blade + 2 pt. outr. down			2.5*	2.5*					1.9*	1.9*	
6.0	Stabilizers raised			3.6*	3.6*	2.3*	2.3*			1.7*	1.7*	6.3
	Stabilizer blade down			3.6*	3.6*	2.3*	2.3*			1.7*	1.7*	
	Blade + 2 pt. outr. down			3.6*	3.6*	2.3*	2.3*			1.7*	1.7*	
4.5	Stabilizers raised			4.1	4.4*	2.6	3.7*			1.7*	1.7*	7.1
	Stabilizer blade down			4.4*	4.4*	2.9	3.7*			1.7*	1.7*	
	Blade + 2 pt. outr. down			4.4*	4.4*	3.7*	3.7*			1.7*	1.7*	
3.0	Stabilizers raised	7.1	8.0*	3.9	5.2*	2.6	3.7	1.6	1.9*	1.6	1.7*	7.5
	Stabilizer blade down	7.9	8.0*	4.3	5.2*	2.8	4.1*	1.8	1.9*	1.7*	1.7*	
	Blade + 2 pt. outr. down	8.0*	8.0*	5.2*	5.2*	4.0	4.1*	1.9*	1.9*	1.7*	1.7*	
1.5	Stabilizers raised	6.9	9.2*	3.9	5.5	2.5	3.7	1.5	2.4	1.4	1.9*	7.6
	Stabilizer blade down	7.6	9.2*	4.2	5.9*	2.7	4.4*	1.7	2.5*	1.6	1.9*	
	Blade + 2 pt. outr. down	9.2*	9.2*	5.9	5.9*	4.0	4.4*	2.5*	2.5*	1.9*	1.9*	
0	Stabilizers raised	6.9	9.8*	3.8	5.5	2.3	3.5			1.4	2.2*	7.4
	Stabilizer blade down	7.7	9.8*	4.3	6.2*	2.5	4.4*			1.7	2.2*	
	Blade + 2 pt. outr. down	9.8*	9.8*	5.9	6.2*	3.9	4.4*			2.2*	2.2*	
−1.5	Stabilizers raised	6.5	10.2*	3.5	5.5	2.0	3.3			1.6	2.6	6.9
	Stabilizer blade down	7.5	10.2*	3.9	6.3*	2.3	4.5*			1.8	2.8*	
	Blade + 2 pt. outr. down	10.2*	10.2*	6.1	6.3*	3.7	4.4*			2.8*	2.8*	
−3.0	Stabilizers raised	6.1	10.4*	3.1	5.1					2.0	3.0*	5.9
	Stabilizer blade down	7.1	10.4*	3.6	5.9*					2.3	3.0*	
	Blade + 2 pt. outr. down	10.4*	10.4*	5.7	5.9*					3.0*	3.0*	

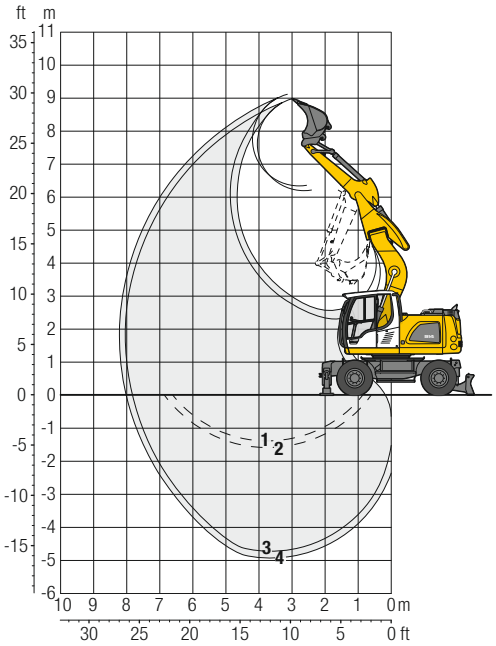
Height **Can be slewed through 360°** **In longitudinal position of undercarriage** **Max. reach** *** Limited by hydr. capacity**

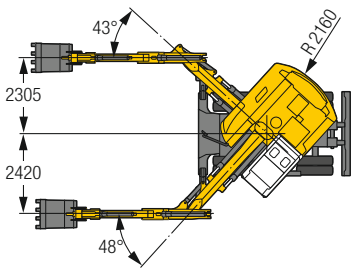
The lift capacities on the load lift hook of the Liebherr quick coupler SW33 without working tool are stated in metric tons (t) and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. 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. 5 t). Without the quick coupler, lift capacities will increase by up to 110 kg.

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

Backhoe Bucket

with Offset Mono Boom 4.30 m





Digging Envelope

with quick coupler		3	4
Stick length	**m**	2.25	2.45
Max. digging depth	**m**	4.75	4.95
Max. reach at ground level	**m**	7.80	8.00
Max. dumping height	**m**	6.20	6.35
Max. teeth height	**m**	8.95	9.10
Min. attachment radius	**m**	2.35	2.35

1 with stick 2.25 m
2 with stick 2.45 m
at max. attachment offset
with vertical ditch walls

3 with stick 2.25 m
4 with stick 2.45 m
with set straight boom

Digging Forces

without quick coupler		3	4
Max. digging force (ISO 6015)	**kN**	68.8	64.5
	t	7.0	6.6
Max. breakout force (ISO 6015)	**kN**	85.1	85.1
	t	8.7	8.7

Max. breakout force with ripper bucket 124.1 kN (12.6 t)

Operating Weight

The operating weight includes the basic machine with 8 tyres plus intermediate rings, offset mono boom 4.30 m, stick 2.45 m, quick coupler SW33 and bucket 850 mm / 0.50 m³.

Undercarriage versions	Weight (kg)
A 914 Litronic® with stabilizer blade	15,200
A 914 Litronic® with stabilizer blade + 2 pt. outriggers	16,400
A 914 EW Litronic® with stabilizer blade	15,600
A 914 EW Litronic® with stabilizer blade + 2 pt. outriggers	16,600

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

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised		Stabilizer blade down		Stabilizer blade + 2 pt. outriggers down		EW Stabilizers raised		EW Stabilizer blade down		EW Stabilizer blade + 2 pt. outriggers down	
			Stick length (m)		Stick length (m)		Stick length (m)		Stick length (m)		Stick length (m)		Stick length (m)	
mm	m³	kg	2.25	2.45	2.25	2.45	2.25	2.45	2.25	2.45	2.25	2.45	2.25	2.45
550[2]	0.29	260	■	■	■	■	■	■	■	■	■	■	■	■
650[2]	0.36	290	■	■	■	■	■	■	■	■	■	■	■	■
850[2]	0.50	340	■	■	■	■	■	■	■	■	■	■	■	■
1,050[2]	0.65	380	■	■	■	■	■	■	■	■	■	■	■	■
1,250[2]	0.80	430	■	■	■	■	■	■	■	■	■	■	■	■
300[3]	0.18	210	■	■	■	■	■	■	■	■	■	■	■	■
400[3]	0.26	240	■	■	■	■	■	■	■	■	■	■	■	■
500[3]	0.30	240	■	■	■	■	■	■	■	■	■	■	■	■
550[3]	0.31	250	■	■	■	■	■	■	■	■	■	■	■	■
650[3]	0.39	270	■	■	■	■	■	■	■	■	■	■	■	■
850[3]	0.53	320	■	■	■	■	■	■	■	■	■	■	■	■
1,050[3]	0.71	370	■	■	■	■	■	■	■	■	■	■	■	■
1,250[3]	0.87	420	■	■	■	■	■	■	■	■	■	■	■	■

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

[1] comparable with SAE (heaped)

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

Max. material weight ■ = ≤ 1.8 t/m³, ■ = ≤ 1.5 t/m³, Δ = ≤ 1.2 t/m³, – = not authorised

Lift Capacities

with Offset Mono Boom 4.30 m

Stick 2.25 m

m	Undercarriage	3,0 m		4,5 m		6,0 m		7,5 m				m
7.5	Stabilizers raised									2.0*	2.0*	
	Stabilizer blade down									2.0*	2.0*	3.6
	Blade + 2 pt. outr. down									2.0*	2.0*	
6.0	Stabilizers raised			3.0*	3.0*					1.9*	1.9*	
	Stabilizer blade down			3.0*	3.0*					1.9*	1.9*	5.2
	Blade + 2 pt. outr. down			3.0*	3.0*					1.9*	1.9*	
4.5	Stabilizers raised			3.6	4.3*	2.2	2.2*			1.8*	1.8*	
	Stabilizer blade down			4.0	4.3*	2.2*	2.2*			1.8*	1.8*	6.1
	Blade + 2 pt. outr. down			4.3*	4.3*	2.3*	2.3*			1.8*	1.8*	
3.0	Stabilizers raised	6.3	7.3*	3.4	5.1*	2.1	3.6			1.8	1.9*	
	Stabilizer blade down	7.1	7.3*	3.7	5.1*	2.4	3.9*			1.9*	1.9*	6.6
	Blade + 2 pt. outr. down	7.3*	7.3*	5.1*	5.1*	3.8	3.9*			1.9*	1.9*	
1.5	Stabilizers raised	5.4	9.9*	3.0	5.3	2.0	3.4			1.7	2.2*	
	Stabilizer blade down	6.1	9.9*	3.4	6.1*	2.2	4.6*			1.9	2.2*	6.8
	Blade + 2 pt. outr. down	9.9*	9.9*	5.7	6.1*	3.7	4.6*			2.2*	2.2*	
0	Stabilizers raised	5.0	9.5*	2.8	5.1	1.9	3.3			1.7	2.7*	
	Stabilizer blade down	5.7	9.5*	3.2	6.5*	2.1	4.7*			1.9	2.7*	6.5
	Blade + 2 pt. outr. down	9.5*	9.5*	5.4	6.5*	3.6	4.7*			2.7*	2.7*	
−1.5	Stabilizers raised	4.9	9.3*	2.7	5.0					1.9	3.4	
	Stabilizer blade down	5.7	9.3*	3.1	6.1*					2.2	3.9*	5.9
	Blade + 2 pt. outr. down	9.2*	9.2*	5.4	6.1*					3.6	3.9*	
−3.0	Stabilizers raised	5.1	6.9*	2.8	4.6*					2.7	4.4*	
	Stabilizer blade down	5.8	6.9*	3.2	4.6*					3.1	4.4*	4.6
	Blade + 2 pt. outr. down	6.9*	6.9*	4.6*	4.6*					4.4*	4.4*	

Stick 2.45 m

m	Undercarriage	3,0 m		4,5 m		6,0 m		7,5 m				m
7.5	Stabilizers raised									2.0*	2.0*	
	Stabilizer blade down									2.0*	2.0*	3.6
	Blade + 2 pt. outr. down									2.0*	2.0*	
6.0	Stabilizers raised			3.0*	3.0*					1.7*	1.7*	
	Stabilizer blade down			3.0*	3.0*					1.7*	1.7*	5.4
	Blade + 2 pt. outr. down			3.0*	3.0*					1.7*	1.7*	
4.5	Stabilizers raised			3.7	4.0*	2.2	2.5*			1.7*	1.7*	
	Stabilizer blade down			4.0*	4.0*	2.5	2.5*			1.7*	1.7*	6.4
	Blade + 2 pt. outr. down			4.0*	4.0*	2.5*	2.5*			1.7*	1.7*	
3.0	Stabilizers raised	6.4	6.8*	3.4	4.9*	2.1	3.6			1.7	1.7*	
	Stabilizer blade down	6.8*	6.8*	3.8	4.9*	2.4	3.9*			1.7*	1.7*	6.8
	Blade + 2 pt. outr. down	6.8*	6.8*	4.9*	4.9*	3.8	3.9*			1.7*	1.7*	
1.5	Stabilizers raised	5.4	9.6*	3.0	5.3	2.0	3.4			1.6	1.9*	
	Stabilizer blade down	6.2	9.6*	3.4	5.9*	2.2	4.5*			1.8	1.9*	6.9
	Blade + 2 pt. outr. down	9.6*	9.6*	5.7	5.9*	3.7	4.5*			1.9*	1.9*	
0	Stabilizers raised	5.0	9.6*	2.8	5.1	1.9	3.3			1.6	2.4*	
	Stabilizer blade down	5.7	9.6*	3.2	6.4*	2.1	4.7*			1.8	2.4*	6.7
	Blade + 2 pt. outr. down	9.6*	9.6*	5.4	6.4*	3.5	4.7*			2.4*	2.4*	
−1.5	Stabilizers raised	4.9	9.5*	2.7	4.9	1.8	3.2			1.8	3.2	
	Stabilizer blade down	5.6	9.5*	3.1	6.2*	2.1	4.0*			2.0	3.4*	6.1
	Blade + 2 pt. outr. down	9.5*	9.5*	5.3	6.2*	3.5	4.0*			3.4*	3.4*	
−3.0	Stabilizers raised	5.0	7.3*	2.8	4.8*					2.5	4.3*	
	Stabilizer blade down	5.8	7.3*	3.1	4.8*					2.8	4.3*	4.9
	Blade + 2 pt. outr. down	7.3*	7.3*	4.8*	4.8*					4.3*	4.3*	

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

The lift capacities on the load lift hook of the Liebherr quick coupler SW33 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. 5 t). Without the quick coupler, lift capacities will increase by up to 110 kg.

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

Lift Capacities

with Offset Mono Boom 4.30 m EW-Undercarriage

Stick 2.25 m

m	Undercarriage	3,0 m		4,5 m		6,0 m		7,5 m				m
7.5	Stabilizers raised									2.0*	2.0*	3.6
	Stabilizer blade down									2.0*	2.0*	
	Blade + 2 pt. outr. down									2.0*	2.0*	
6.0	Stabilizers raised			3.0*	3.0*					1.7*	1.7*	5.4
	Stabilizer blade down			3.0*	3.0*					1.7*	1.7*	
	Blade + 2 pt. outr. down			3.0*	3.0*					1.7*	1.7*	
4.5	Stabilizers raised			4.0*	4.0*	2.5*	2.5*			1.7*	1.7*	6.4
	Stabilizer blade down			4.0*	4.0*	2.5*	2.5*			1.7*	1.7*	
	Blade + 2 pt. outr. down			4.0*	4.0*	2.5*	2.5*			1.7*	1.7*	
3.0	Stabilizers raised	6.8*	6.8*	3.8	4.9*	2.4	3.7			1.7*	1.7*	6.8
	Stabilizer blade down	6.8*	6.8*	4.3	4.9*	2.7	3.9*			1.7*	1.7*	
	Blade + 2 pt. outr. down	6.8*	6.8*	4.9*	4.9*	3.9*	3.9*			1.7*	1.7*	
1.5	Stabilizers raised	6.3	9.6*	3.5	5.5	2.3	3.5			1.8	1.9*	6.9
	Stabilizer blade down	7.2	9.6*	3.9	5.9*	2.6	4.5*			1.9*	1.9*	
	Blade + 2 pt. outr. down	9.6*	9.6*	5.9*	5.9*	3.9	4.5*			1.9*	1.9*	
0	Stabilizers raised	5.8	9.6*	3.2	5.2	2.2	3.4			1.8	2.4*	6.7
	Stabilizer blade down	6.7	9.6*	3.7	6.4*	2.4	4.7*			2.1	2.4*	
	Blade + 2 pt. outr. down	9.6*	9.6*	5.8	6.4*	3.8	4.7*			2.4*	2.4*	
−1.5	Stabilizers raised	5.7	9.5*	3.1	5.1	2.1	3.3			2.1	3.3	6.1
	Stabilizer blade down	6.6	9.5*	3.6	6.2*	2.4	4.0*			2.3	3.4*	
	Blade + 2 pt. outr. down	9.5*	9.5*	5.7	6.2*	3.7	4.0*			3.4*	3.4*	
−3.0	Stabilizers raised	5.9	7.3*	3.2	4.8*					2.8	4.3*	4.9
	Stabilizer blade down	6.8	7.3*	3.6	4.8*					3.2	4.3*	
	Blade + 2 pt. outr. down	7.3*	7.3*	4.8*	4.8*					4.3*	4.3*	

Stick 2.45 m

m	Undercarriage	3,0 m		4,5 m		6,0 m		7,5 m				m
7.5	Stabilizers raised									2.0*	2.0*	3.6
	Stabilizer blade down									2.0*	2.0*	
	Blade + 2 pt. outr. down									2.0*	2.0*	
6.0	Stabilizers raised			3.0*	3.0*					1.7*	1.7*	5.4
	Stabilizer blade down			3.0*	3.0*					1.7*	1.7*	
	Blade + 2 pt. outr. down			3.0*	3.0*					1.7*	1.7*	
4.5	Stabilizers raised			4.0*	4.0*	2.5*	2.5*			1.7*	1.7*	6.4
	Stabilizer blade down			4.0*	4.0*	2.5*	2.5*			1.7*	1.7*	
	Blade + 2 pt. outr. down			4.0*	4.0*	2.5*	2.5*			1.7*	1.7*	
3.0	Stabilizers raised	6.8*	6.8*	3.8	4.9*	2.4	3.7			1.7*	1.7*	6.8
	Stabilizer blade down	6.8*	6.8*	4.3	4.9*	2.7	3.9*			1.7*	1.7*	
	Blade + 2 pt. outr. down	6.8*	6.8*	4.9*	4.9*	3.9*	3.9*			1.7*	1.7*	
1.5	Stabilizers raised	6.3	9.6*	3.5	5.5	2.3	3.5			1.8	1.9*	6.9
	Stabilizer blade down	7.2	9.6*	3.9	5.9*	2.6	4.5*			1.9*	1.9*	
	Blade + 2 pt. outr. down	9.6*	9.6*	5.9*	5.9*	3.9	4.5*			1.9*	1.9*	
0	Stabilizers raised	5.8	9.6*	3.2	5.2	2.2	3.4			1.8	2.4*	6.7
	Stabilizer blade down	6.7	9.6*	3.7	6.4*	2.4	4.7*			2.1	2.4*	
	Blade + 2 pt. outr. down	9.6*	9.6*	5.8	6.4*	3.8	4.7*			2.4*	2.4*	
−1.5	Stabilizers raised	5.7	9.5*	3.1	5.1	2.1	3.3			2.1	3.3	6.1
	Stabilizer blade down	6.6	9.5*	3.6	6.2*	2.4	4.0*			2.3	3.4*	
	Blade + 2 pt. outr. down	9.5*	9.5*	5.7	6.2*	3.7	4.0*			3.4*	3.4*	
−3.0	Stabilizers raised	5.9	7.3*	3.2	4.8*					2.8	4.3*	4.9
	Stabilizer blade down	6.8	7.3*	3.6	4.8*					3.2	4.3*	
	Blade + 2 pt. outr. down	7.3*	7.3*	4.8*	4.8*					4.3*	4.3*	

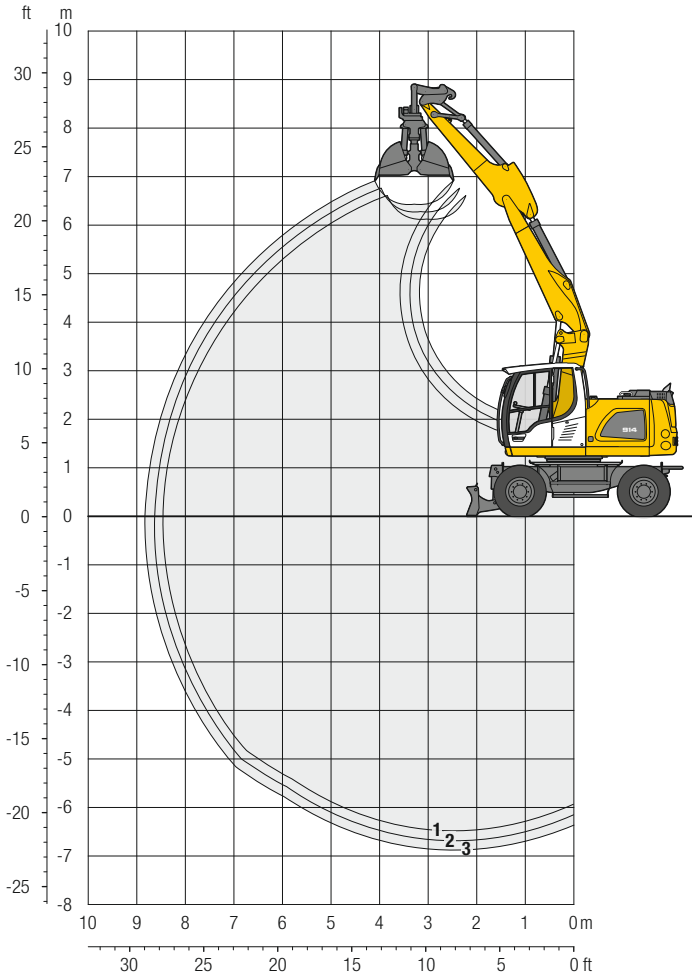
Height **Can be slewed through 360°** **In longitudinal position of undercarriage** **Max. reach** *** Limited by hydr. capacity**

The lift capacities on the load lift hook of the Liebherr quick coupler SW33 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. 5 t). Without the quick coupler, lift capacities will increase by up to 110 kg.

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

Clamshell Grab

with Two-Piece Boom 4.85 m



Digging Envelope

with quick coupler		1	2	3
Stick length	m	2.25	2.45	2.65
Max. digging depth	m	6.50	6.70	6.90
Max. reach at ground level	m	8.45	8.65	8.85
Max. dumping height	m	6.15	6.30	6.45

Clamshell Grab Model GM 8B

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

Operating Weight

The operating weight includes the basic machine with 8 tyres plus intermediate rings, two-piece boom 4.85 m, stick 2.45 m, quick coupler SW33 and clamshell grab model GM 8B/0.40 m³ (800 mm without ejector).

Undercarriage versions	Weight (kg)
A 914 Litronic® with stabilizer blade	15,900
A 914 Litronic® with stabilizer blade + 2 pt. outriggers	17,100
A 914 EW Litronic® with stabilizer blade	16,200
A 914 EW Litronic® with stabilizer blade + 2 pt. outriggers	17,200

Clamshell Grab Model GM 8B Machine stability per ISO 10567* (75 % of tipping capacity)

Width of clamshells	Capacity	Weight	Stabilizers raised			Stabilizer blade down			Stabilizer blade + 2 pt. outriggers down			EW Stabilizers raised			EW Stabilizer blade down			EW Stabilizer blade + 2 pt. outriggers down		
			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)		
mm	m³	kg	2.25	2.45	2.65	2.25	2.45	2.65	2.25	2.45	2.65	2.25	2.45	2.65	2.25	2.45	2.65	2.25	2.45	2.65
320[1]	0.17	710	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
400[1]	0.22	750	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
600[1]	0.30	750	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
800[1]	0.40	800	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1,000[1][3]	0.80	900	–	–	–	△	△	–	■	■	■	△	△	△	■	■	■	■	■	■
320[2]	0.17	760	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
400[2]	0.22	810	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
600[2]	0.30	830	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
800[2]	0.40	890	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

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

[1] without ejector

[2] with ejector

[3] Shells for loose material

Max. material weight ■ = ≤ 1.8 t/m³, ■ = ≤ 1.5 t/m³, △ = ≤ 1.2 t/m³, – = not authorised

Attachments

Clamshell Grabs

Clamshell Grab Model GM 8B Machine stability per ISO 10567* (75 % of tipping capacity)

Width of clamshells	Capacity	Weight	Stabilizers raised			Stabilizer blade down			Stabilizer blade + 2 pt. outriggers down			EW Stabilizers raised			EW Stabilizer blade down			EW Stabilizer blade + 2 pt. outriggers down		
			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)		
mm	m³	kg	2.25	2.45	2.65	2.25	2.45	2.65	2.25	2.45	2.65	2.25	2.45	2.65	2.25	2.45	2.65	2.25	2.45	2.65
Mono boom 4.60 m																				
320[1]	0.17	710	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–
400[1]	0.22	750	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–
600[1]	0.30	750	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–
800[1]	0.40	800	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–
1,000[1][3]	0.80	900	△	△	–	■	△	△	■	■	■	–	–	–	–	–	–	–	–	–
320[2]	0.17	760	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–
400[2]	0.22	810	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–
600[2]	0.30	830	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–
800[2]	0.40	890	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–
Offset two-piece boom 4.90 m																				
320[1]	0.17	710	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
400[1]	0.22	750	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
600[1]	0.30	750	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
800[1]	0.40	800	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
1,000[1][3]	0.80	900	–	–	–	△	△	–	■	■	–	–	–	–	△	△	–	■	■	–
320[2]	0.17	760	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
400[2]	0.22	810	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
600[2]	0.30	830	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
800[2]	0.40	890	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
Offset mono boom 4.30 m																				
320[1]	0.17	710	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
400[1]	0.22	750	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
600[1]	0.30	750	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
800[1]	0.40	800	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
1,000[1][3]	0.80	900	△	△	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
320[2]	0.17	760	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
400[2]	0.22	810	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
600[2]	0.30	830	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
800[2]	0.40	890	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–

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

[1] without ejector

[2] with ejector

[3] Shells for loose material

Max. material weight ■ = ≤ 1.8 t/m³, ■ = ≤ 1.5 t/m³, △ = ≤ 1.2 t/m³, – = not authorised

Attachments

Ditch Cleaning Buckets / Tilt Buckets

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

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised			Stabilizer blade down			Stabilizer blade + 2 pt. outriggers down			EW Stabilizers raised			EW Stabilizer blade down			EW Stabilizer blade + 2 pt. outriggers down		
			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)		
mm	m³	kg	2.25	2.45	2.65	2.25	2.45	2.65	2.25	2.45	2.65	2.25	2.45	2.65	2.25	2.45	2.65	2.25	2.45	2.65
Two-piece boom 4.85 m																				
1,500[3]	0.50	360	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1,600[2]	0.55	640	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2,000[2]	0.50	660	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2,000[3]	0.48	350	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2,000[3]	0.65	390	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Mono boom 4.60 m																				
1,500[3]	0.50	360	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–
1,600[2]	0.55	640	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–
2,000[2]	0.50	660	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–
2,000[3]	0.48	350	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–
2,000[3]	0.65	390	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–
Offset two-piece boom 4.90 m																				
1,500[3]	0.50	360	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
1,600[2]	0.55	640	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
2,000[2]	0.50	660	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
2,000[3]	0.48	350	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
2,000[3]	0.65	390	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
Offset mono boom 4.30 m																				
1,500[3]	0.50	360	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
1,600[2]	0.55	640	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
2,000[2]	0.50	660	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
2,000[3]	0.48	350	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
2,000[3]	0.65	390	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–

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

Cutting width	Capacity ISO 7451[1]	Weight	Stabilizers raised			Stabilizer blade down			Stabilizer blade + 2 pt. outriggers down			EW Stabilizers raised			EW Stabilizer blade down			EW Stabilizer blade + 2 pt. outriggers down		
			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)		
mm	m³	kg	2.25	2.45	2.65	2.25	2.45	2.65	2.25	2.45	2.65	2.25	2.45	2.65	2.25	2.45	2.65	2.25	2.45	2.65
Two-piece boom 4.85 m																				
1,500[2]	0.60	660	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Mono boom 4.60 m																				
1,500[2]	0.60	660	■	■	■	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–
Offset two-piece boom 4.90 m																				
1,500[2]	0.60	660	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–
Offset mono boom 4.30 m																				
1,500[2]	0.60	660	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–	■	■	–

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

[1] comparable with SAE (heaped)

[2] with 2 x 50° rotator

[3] rigid ditch cleaning bucket

Max. material weight ■ = ≤ 1.8 t/m³, ■ = ≤ 1.5 t/m³, △ = ≤ 1.2 t/m³, – = not authorised

Equipment

Undercarriage

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

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	•
Warning beacon on uppercarriage, LED	+
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 1 and tipping cylinder	+
Switchover high pressure circuit 1 and two-piece boom	+

Diesel Engine

Fuel anti-theft device	+
Liebherr particle filter	+
Reversible fan drive, fully automatic	+
Preheating fuel	+
Preheating coolant	+
Preheating engine oil	+

Operator's Cab

Storage compartment	•
Stabilizer, proportional control on left joystick	•
Cab lights rear, LED	+
Cab lights front, halogen (under rain cover)	•
Cab lights front, LED (above rain cover)	+
Cab lights front, LED (under rain cover)	+
Left arm console, folding	•
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	•
Dome light	•
Joystick steering	+
Coat hook	•
Automatic air conditioning	•
Fuel consumption indicator	•
Electric cooler	+
Steering wheel, wide version (cost-neutral option)	+
Steering column adjustable horizontally	•
LiDAT, vehicle fleet management	•
Automatic engine shut-down (time adjustable)	+
Emergency exit rear window	•
Positioning swing brake	+
Proportional control	•
Radio Comfort, control via display with handsfree set	+
Preparation for radio installation	•
Rain cover over front window opening	•
ROPS cab protection	•
Back-up alarm (acoustic signal is emitted traveling backward, can not be switched off)	+
Warning beacon on cab, LED	+
All tinted windows	•
Windscreen wiper, roof	+
Windshield wiper, entire windscreen	•
Door with sliding window	•
Top guard	+
Front guard, adjustable	+
Right side window and windshield made from laminated safety glass	•
Sun visor	+
Sun blind	•
Auxiliary heating, adjustable (week time switch)	+
Electronic immobilizer	+
Cigarette lighter	•

Equipment

Attachment

Boom lights, 2 pieces, halogen	•
Boom lights, 2 pieces, LED	+
Stick lights, 2 pieces, LED	+
Travel vibration damper	+
High pressure circuit incl. unpressurised return line and Tool Control	+
Electronic lift limitation	+
Security for hoist cylinder for hydraulic tools	+
Load holding valve bucket cylinder	+
Load lug on stick	+
Leak oil line, additional for working tools	+
Liebherr ditch cleaning bucket	+
Liebherr quick coupler, hydraulic or mechanical	+
Liebherr tilt bucket	+
Liebherr tilt rotator	+
Liebherr sorting grab	+
Liebherr backhoe bucket	+
Liebherr tooth system	+
Liebherr clamshell grab	+
Medium pressure circuit incl. lines	+
Mono boom	+
Pipe fracture safety valves hoist cylinders	•
Pipe fracture safety valve stick cylinder	•
Return line, pressureless (in high pressure circuit option included)	+
Hose quick coupling at end of stick	•
Quick coupling system LIKUFIX	+
Protection for piston rod, bucket cylinder	+
Protection for bottom side of stick	+
Tool Control, 10 tool adjustments selectable over the display	+
Overload warning device	•
Two-piece boom	+
Offset two-piece boom	+

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	•

• = Standard, + = Option
* = country-dependent, ** = depending upon the country partially only 25 km/h permitted

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

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

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Hans Liebherr founded the Liebherr family company in 1949. Since that time, the enterprise has steadily grown to a group of more than 130 companies with over 41,000 employees located on all continents. The corporate headquarters of the Group is Liebherr-International AG in Bulle, Switzerland. The Liebherr family is the sole owner of the company.

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