

Product Information Crawler Excavator

R 914 Compact

Litronic®

Engine

121 HP / 90 kW

Tier 4 Final

Operating Weight

16,500 kg / 36,380 lb

Bucket Capacity

0.32 – 0.80 m³ / 0.42 – 1.05 yd³



LIEBHERR

Experience the Progress

R 914 Compact

Maintenance

- Innovative servicing concept, with service points accessible from ground level
- Engine oil level can be checked and topped up from the ground
- Automatic lubrication system available
- Shut-off valve between hydraulic tank and pumps as standard

Engine

- New Tier 4 Final compliant technology, including a urea injection SCR system and oxidation catalyst
- Particulate filter available as an option
- Automatic idle-stop when the engine is inactive

Safety

- Panoramic visibility with no obstructions and camera on the rear and the right side as standard equipment for enhanced safety
- Retractable console for easy and secure cabin access
- ROPS-certified operator's cab structure: rollover protection
- Emergency exit via the rear cab window, in all excavator's configurations
- Right window and windshield with tinted laminated safety glass as standard equipment for more safety in case of impact





Equipment

- Broad range of equipment to adapt the excavator to different applications
- Wide range of tools and teeth to suit all applications
- Working envelope height limitation adjustable from display available

Comfort

- Spacious, air-conditioned operator's cab for increased productivity
- Air-suspended seat as standard
- Easy-to-use high resolution 7" color touchscreen
- Completely retractable front operators cab window

Undercarriage

- Robust, reliable X-frame undercarriage, easy to transport and secure thanks to its integrated eyelets
- Easy maintenance
- Several dozer blades available
- Possibility to stabilize the machine with the blade
- Track components maintenance-free and track rollers lifetime-lubricated for easy maintenance

Technical Data

Engine

Rating	121 HP (90 kW) at 1,800 rpm
per SAE J1349	122 HP (90 kW) at 1,800 rpm
per ISO 9249	
Model	Deutz TCD3.6L4
Type	4 cylinder in-line
Bore	98 mm / 3.9 in
Stroke	120 mm / 4.7 in
Displacement	3.6 l / 220 in³
Engine operation	4-stroke diesel Common-Rail turbo-charged and after-cooler reduced emissions
Exhaust gas treatment	DOC Deutz emission standard Tier 4 Final
Option	Deutz particle filter
Air cleaner	dry-type air cleaner with pre-cleaner, primary and safety elements
Fuel tank	175 l / 46 gal
Urea tank	20 l / 5 gal
Electrical system	Voltage Batteries Alternator Engine idling
Voltage	24 V
Batteries	2 x 135 Ah/12 V
Alternator	three-phase current 28 V/80 A
Engine idling	sensor controlled

Hydraulic System

Hydraulic pump	Liebherr axial piston variable displacement pump
for attachment and travel drive	
Max. flow	300 l/min. / 79 gpm
Max. pressure	350 bar / 5,076 psi
Hydraulic pump regulation and control	Liebherr-Synchron-Comfort-system (LSC) with electronic engine speed sensing regulation, pressure and flow compensation, torque controlled swing drive priority
Hydraulic tank	100 l / 26 gal
Hydraulic system	max. 230 l / max. 61 gal
Hydraulic oil filter	1 main return filter with integrated partial micro filtration (5 µm / 2,500 mesh)
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 stepless alignment of engine output and hydraulic power via engine speed
Engine speed and performance setting	Tool Control: 20 preadjustable pump flows and pressures for add on tools
Option	

Cooling System

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
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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 – 10.0 rpm stepless
Swing torque	51 kNm / 37,620 lbf ft
Holding brake	wet multi-disc (spring applied, pressure released)

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
Travel	electropropotional via foot pedal
Additional functions	via switch or electropropotional foot pedals
Proportional control	proportionally acting transmitters on the joysticks for additional hydraulic functions



Operator's Cab

Cab	ROPS safety cab structure (roll-over protection system) with individual windscreens or featuring a slide-in sub-part under the ceiling, work headlights integrated in the ceiling, a door with a sliding window (can be opened on both sides), large stowing and depositing possibilities, shock-absorbing suspension, sounddamping insulating, tinted laminated safety glass, separate window shades for the sunroof window and windscreens
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, color 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 ground level. Heating-cooling unit, designed for extreme outside temperatures, sensors for solar radiation



Undercarriage

Drive	Liebherr compact planetary reduction gear with Liebherr axial piston motor per side of undercarriage
Transmission	Liebherr compact planetary reduction gear
Maximum travel speed	low range 3.1 km/h / 1.9 mph high range 6.8 km/h / 4.2 mph
Net drawbar pull on crawler	154 kN / 34,620 lbf
Track components	B4, maintenance-free
Track rollers/Carrier rollers	8/2
Tracks	sealed and greased
Track pads	triple grouser
Holding brake	wet multi-disc (spring applied, pressure released)
Brake valves	integrated into travel motor
Lashing eyes	integrated



Attachment

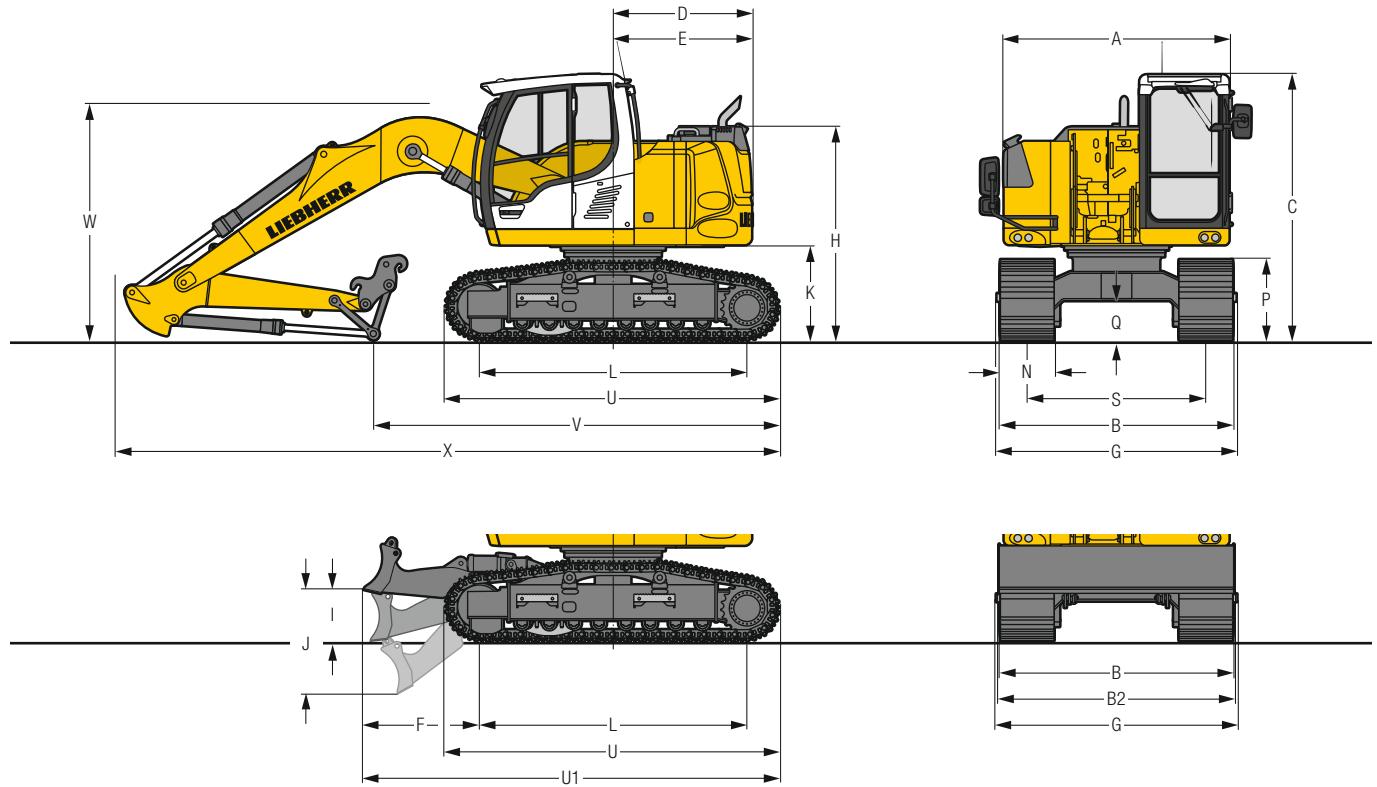
Type	high-strength steel plates at highlystressed points for the toughest requirements. Complex and stable mountings of attachment and cylinders
Hydraulic cylinders	Liebherr cylinders with special seal-system, shock protection
Bearings	sealed, low maintenance



Complete Machine

Lubrication	Liebherr central lubrication system for uppercarriage and attachment, automatically
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Dimensions

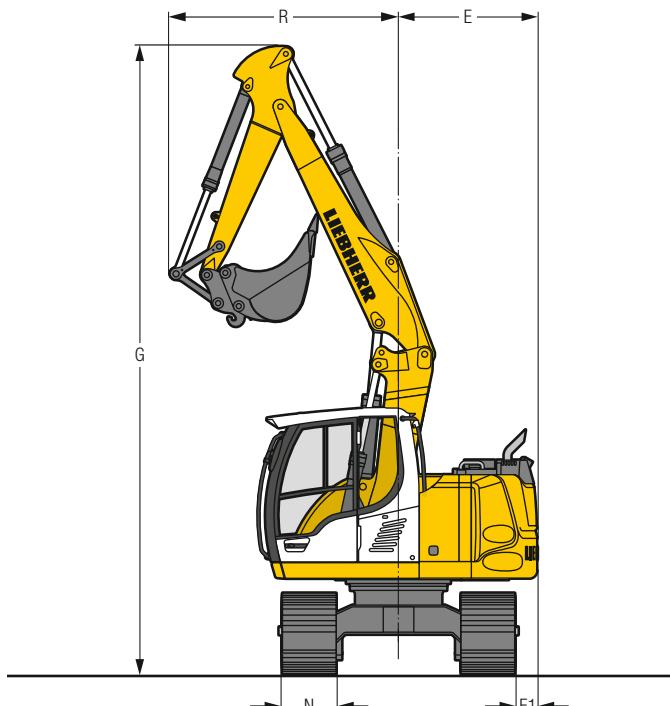


	STD	mm / ft in	STD with blade	mm / ft in
A		2,525 / 8' 3"		2,525 / 8' 3"
C		2,980 / 9' 9"		2,980 / 9' 9"
D		1,550 / 5' 1"		1,550 / 5' 1"
E		1,550 / 5' 1"		1,550 / 5' 1"
F		—		1,300 / 4' 3"
H		2,395 / 7'10"		2,395 / 7'10"
I		—		575 / 1'11"
J		—		1,175 / 3'10"
K		1,050 / 3' 5"		1,050 / 3' 5"
L		3,000 / 9'10"		3,000 / 9'10"
P		900 / 2'11"		900 / 2'11"
Q		440 / 1' 5"		440 / 1' 5"
S		2,000 / 6' 7"		2,000 / 6' 7"
U		3,735 / 12' 3"		3,735 / 12' 3"
U1		—		4,655 / 15' 3"
N	500 / 20"	600 / 24"	700 / 28"	500 / 20" 600 / 24" 700 / 28"
E1	300 / 1'	250* / 10**	200* / 8**	300 / 1' 250* / 10** 200* / 8**
B	2,500 / 8' 2"	2,600 / 8' 6"	2,700 / 8'10"	2,500 / 8' 2" 2,600 / 8' 6" 2,700 / 8'10"
B2		—	2,540 / 8' 4"	2,640 / 8' 8" 2,740 / 9' "
G	2,525 / 8' 3"	2,680* / 8'10**	2,780* / 9' 1**	2,525 / 8' 3" 2,680* / 8'10** 2,780* / 9' 1**

* width with removable steps

Stick length	Mono boom 4.60 m / 15'1"		Two-piece boom 4.85 m / 15'11"	
	STD	STD with blade	STD	STD with blade
V	2.05 / 6'9"	4,550 / 14'11"	4,550 / 14'11"	5,100 / 16' 9"
	2.25 / 7'5"	4,400 / 14' 5"	4,400 / 14' 5"	4,950 / 16' 3"
	2.45 / 8'	4,200 / 13' 9"	4,200 / 13' 9"	4,800 / 15' 9"
	2.65 / 8'8"	4,000 / 13' 1"	4,000 / 13' 1"	4,650 / 15' 3"
W	2.05 / 6'9"	2,650 / 8' 8"	2,650 / 8' 8"	2,700 / 8'10"
	2.25 / 7'5"	2,700 / 8'10"	2,700 / 8'10"	2,750 / 9'
	2.45 / 8'	2,700 / 8'10"	2,700 / 8'10"	2,800 / 9' 2"
	2.65 / 8'8"	2,750 / 9'	2,750 / 9'	2,850 / 9' 4"
X	2.05 / 6'9"	7,450 / 24' 5"	8,400** / 27' 7***	7,800 / 25' 7"
	2.25 / 7'5"	7,450 / 24' 5"	8,400** / 27' 7***	7,800 / 25' 7"
	2.45 / 8'	7,450 / 24' 5"	8,400** / 27' 7***	7,800 / 25' 7"
	2.65 / 8'8"	7,450 / 24' 5"	8,400** / 27' 7***	7,800 / 25' 7"

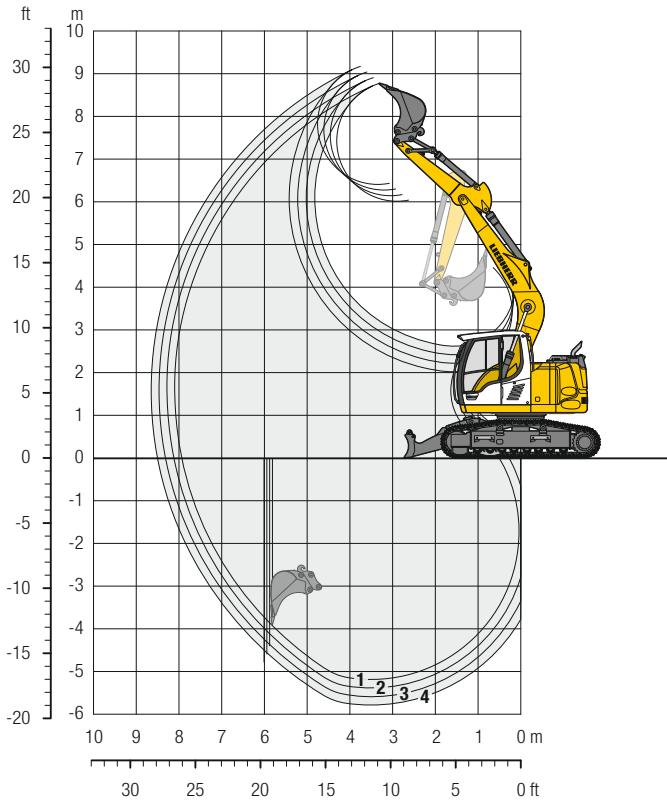
** with undercarriage turned



Boom	Stick m	G mm	R mm	E mm
Mono boom 4.60 m / 15'1"	2.05 / 6'9"	6,800 / 22'4"	2,400 / 7'10"	1,550 / 5'1"
	2.25 / 7'5"	6,800 / 22'4"	2,200 / 7' 3"	1,550 / 5'1"
	2.45 / 8'	6,800 / 22'4"	2,050 / 6' 9"	1,550 / 5'1"
	2.65 / 8'8"	6,800 / 22'4"	2,050 / 6' 9"	1,550 / 5'1"
Two-piece boom 4.85 m / 15'11"	2.05 / 6'9"	7,050 / 23'2"	2,550 / 8' 4"	1,550 / 5'1"
	2.25 / 7'5"	7,050 / 23'2"	2,450 / 8'	1,550 / 5'1"
	2.45 / 8'	7,050 / 23'2"	2,300 / 7' 7"	1,550 / 5'1"
	2.65 / 8'8"	7,050 / 23'2"	2,150 / 7' 1"	1,550 / 5'1"

Backhoe Bucket

with Mono Boom 4.60 m/15'1" and Counterweight 2.8 t/6,170 lb



Digging Envelope

		1	2	3	4
Stick length	m/ft/in	2.05 / 6' 9"	2.25 / 7'5"	2.45 / 8'	2.65 / 8' 8"
Max. digging depth	m/ft/in	5.20 / 17' 1"	5.40 / 17'9"	5.60 / 18'4"	5.80 / 19'
Max. reach at ground level	m/ft/in	7.95 / 26' 1"	8.15 / 26'9"	8.30 / 27'3"	8.95 / 29' 4"
Max. dumping height	m/ft/in	6.05 / 19'10"	6.15 / 20'2"	6.30 / 20'8"	6.80 / 22' 4"
Max. teeth height	m/ft/in	8.75 / 28' 8"	8.90 / 29'2"	9.05 / 29'8"	9.70 / 31'10"
Min. attachment radius	m/ft/in	2.40 / 7'10"	2.20 / 7'3"	2.05 / 6'9"	2.05 / 6' 9"

Forces

		1	2	3	4
without quick coupler					
Max. digging force (ISO 6015)	kN/lbf	70 / 15,740	66 / 14,840	62 / 13,940	59 / 13,260
Max. breakout force (ISO 6015)	kN/lbf	89 / 20,010	89 / 20,010	89 / 20,010	89 / 20,010
Max. digging force (SAE J1179)	kN/lbf	68 / 15,290	64 / 14,390	60 / 13,490	57 / 12,810
Max. breakout force (SAE J1179)	kN/lbf	80 / 17,990	80 / 17,990	80 / 17,990	80 / 17,990

Operating Weight and Ground Pressure

The operating weight includes the basic machine with counterweight 2.8 t/6,170 lb, mono boom 4.60 m/15'1", stick 2.25 m/7'5", quick coupler SWA 33 and bucket 0.50 m³/0.65 yd³ (340 kg/750 lb).

Undercarriage		STD		
Pad width	mm/in	500 / 20"	600 / 24"	700 / 28"
Weight	kg/lb	14,900 / 32,850	15,100 / 33,290	15,300 / 33,730
Ground pressure	kg/cm ² /psi	0.46 / 6.5	0.39 / 5.5	0.34 / 4.8

Undercarriage		STD with blade		
Pad width	mm/in	500 / 20"	600 / 24"	700 / 28"
Weight	kg/lb	16,000 / 35,270	16,200 / 35,720	16,500 / 36,380
Ground pressure	kg/cm ² /psi	0.49 / 7.0	0.42 / 6.0	0.36 / 5.1

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

Cutting width in mm	Capacity ISO 7451 m ³ yd ³	Weight ⁽³⁾ kg lb	Weight ⁽⁴⁾ kg lb	STD-Undercarriage (with track pads 600 mm/24")								STD-Undercarriage with blade (with track pads 600 mm/24")							
				Stick length (m/ft in)								Stick length (m/ft in)							
				2.05 6'9"	2.25 7'5"	2.45 8'	2.65 8'8"	2.05 6'9"	2.25 7'5"	2.45 8'	2.65 8'8"	2.05 6'9"	2.25 7'5"	2.45 8'	2.65 8'8"	2.05 6'9"	2.25 7'5"	2.45 8'	2.65 8'8"
STD ⁽¹⁾ in mm	500 20"	0.32 0.42	230 510	250 550	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	550 22"	0.29 0.38	250 550	260 570	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	650 26"	0.36 0.47	270 600	290 640	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	850 34"	0.50 0.65	320 710	340 750	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,050 41"	0.65 0.85	360 790	380 840	▲	▲	▲	▲	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲
	1,250 49"	0.80 1.05	420 930	430 950	■	■	▲	■	■	▲	▲	■	▲	▲	▲	▲	▲	▲	■
	500 20"	0.32 0.42	260 570	280 620	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	550 22"	0.29 0.38	280 620	290 640	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	650 26"	0.36 0.47	300 660	320 710	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	850 34"	0.50 0.65	360 790	380 840	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
HD ⁽²⁾ in mm	1,050 41"	0.65 0.85	420 930	430 950	▲	▲	▲	▲	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲
	1,250 49"	0.80 1.05	480 1,060	490 1,080	■	▲	▲	■	■	▲	▲	△	▲	▲	▲	▲	▲	▲	■

* Indicated loads are based on ISO 10567, at maximum reach, and may be swung 360° on firm and even ground

¹⁾ Standard bucket with teeth Uni 35-3 ²⁾ HD bucket with teeth Uni 35-3 ³⁾ Bucket for direct mounting ⁴⁾ Bucket for mounting to quick coupler

Other buckets available upon request

Max. material weight ▲ = ≤ 2.0 t/m³/3,400 lb/yd³, ■ = ≤ 1.8 t/m³/3,000 lb/yd³, ▲ = ≤ 1.65 t/m³/2,800 lb/yd³, ■ = ≤ 1.5 t/m³/2,500 lb/yd³, △ = ≤ 1.2 t/m³/2,000 lb/yd³

Lift Capacities

with Mono Boom 4.60 m/15'1", Counterweight 2.8 t/6,170 lb and Track Pads 600 mm/24"

Stick 2.05 m / 6'9"

Under-carriage		3.0 m 10 ft	4.5 m 15 ft	6.0 m 20 ft	7.5 m 25 ft		m ft in
7.5 m t							
25 ft lb							
6.0 m t		3.8	4.1*				
20 ft lb		8.1	8.2*				
4.5 m t	5.2*	5.2*	3.7	4.4*			
15 ft lb	11.2*	11.2*	8.0	9.7*			
3.0 m t	6.4	8.0*	3.5	5.3*	2.3	3.5	
10 ft lb	13.8	17.1*	7.5	11.5*	4.9	7.6	
1.5 m t			3.2	5.2	2.2	3.4	
5 ft lb	9.8*	9.8*	7.0	11.3	4.7	7.3	
0 m t	5.5	6.1*	3.1	5.1	2.1	3.3	
0 ft lb	11.9	14.1*	6.6	10.9	4.5	7.2	
-1.5 m t	5.6	9.2*	3.0	5.0			
-5 ft lb	11.9	20.0*	6.6	10.8			
-3.0 m t	5.7	7.2*	3.1	4.9*			
-10 ft lb	12.3	15.5*	6.8	10.3*			
7.5 m t							
25 ft lb							
6.0 m t		4.1*	4.1*				
20 ft lb		8.3*	8.3*				
4.5 m t	5.2*	5.2*	4.3	4.4*	2.6*	2.6*	
15 ft lb	11.2*	11.2*	9.3	9.7*			
3.0 m t	7.5	8.1*	4.1	5.3*	2.7	4.4*	
10 ft lb	16.3	17.2*	8.8	11.5*	5.7	9.5*	
1.5 m t			3.8	6.3*	2.6	4.7*	
5 ft lb	9.8*	9.8*	8.2	13.5*	5.5	10.2*	
0 m t	6.2*	6.2*	3.7	6.6*	2.5	4.9*	
0 ft lb	14.2*	14.2*	7.9	14.4*	5.4	10.5*	
-1.5 m t	6.7	9.2*	3.6	6.3*			
-5 ft lb	14.4	19.9*	7.8	13.7*			
-3.0 m t	6.9	7.1*	3.7	4.9*			
-10 ft lb	14.8	15.4*	8.0	10.3*			

Stick 2.25 m / 7'5"

Under-carriage		3.0 m 10 ft	4.5 m 15 ft	6.0 m 20 ft	7.5 m 25 ft		m ft in
7.5 m t							
25 ft lb							
6.0 m t		3.8	4.0*				
20 ft lb		8.2	8.4*				
4.5 m t	4.8*	4.8*	3.7	4.2*	2.3	3.2*	
15 ft lb	10.4*	10.4*	8.0	9.2*	5.0	5.8*	
3.0 m t	6.5	7.6*	3.5	5.1*	2.3	3.5	
10 ft lb	14.0	16.1*	7.5	11.1*	4.9	7.6	
1.5 m t		5.3*	5.3*	3.2	5.2	2.2	3.4
5 ft lb	12.3	12.8*	7.0	11.3	4.7	7.3	
0 m t	5.5	6.3*	3.1	5.0	2.1	3.3	
0 ft lb	11.8	14.5*	6.6	10.9	4.5	7.1	
-1.5 m t	5.5	9.4*	3.0	5.0	2.1	3.3	
-5 ft lb	11.8	20.5*	6.5	10.7			
-3.0 m t	5.6	7.6*	3.1	5.1			
-10 ft lb	12.1	16.3*	6.6	10.9			
7.5 m t							
25 ft lb							
6.0 m t		3.9*	3.9*				
20 ft lb		8.5*	8.5*				
4.5 m t	4.8*	4.8*	4.2*	4.2*	2.7	3.2*	
15 ft lb	10.4*	10.4*	9.2*	9.2*	5.9	5.9*	
3.0 m t	7.6*	7.6*	4.1	5.1*	2.7	4.3*	
10 ft lb	16.2*	16.2*	8.8	11.1*	5.7	9.3*	
1.5 m t		5.2*	5.2*	3.8	6.1*	2.5	4.6*
5 ft lb	12.7*	12.7*	8.2	13.2*	5.5	10.1*	
0 m t	6.3*	6.3*	3.6	6.6*	2.5	4.8*	
0 ft lb	14.3	14.6*	7.9	14.3*	5.3	10.5*	
-1.5 m t	6.7	9.4*	3.6	6.4*	2.4	4.5*	
-5 ft lb	14.3	20.4*	7.8	13.8*			
-3.0 m t	6.8	7.5*	3.7	5.1*			
-10 ft lb	14.6	16.2*	7.9	11.0*			

Stick 2.45 m / 8'

Under-carriage		3.0 m 10 ft	4.5 m 15 ft	6.0 m 20 ft	7.5 m 25 ft		m ft in
7.5 m t							
25 ft lb							
6.0 m t		3.7*	3.7*				
20 ft lb		8.2	8.2*				
4.5 m t		3.7	4.0*	2.3	3.4*		
15 ft lb		8.1	8.8*	5.0	6.7*		
3.0 m t	6.6	7.1*	3.5	4.9*	2.3	3.5	
10 ft lb	14.1	15.1*	7.6	10.7*	4.9	7.6	
1.5 m t	5.7	6.5*	3.2	5.2	2.1	3.4	
5 ft lb	12.4	15.6*	7.0	11.3	4.6	7.3	
0 m t	5.5	6.5*	3.0	5.0	2.1	3.3	
0 ft lb	11.7	14.9*	6.6	10.8	4.4	7.1	
-1.5 m t	5.4	9.6*	3.0	5.0	2.0	3.3	
-5 ft lb	11.7	20.8*	6.4	10.7	4.4	7.0	
-3.0 m t	5.6	7.9*	3.0	5.0			
-10 ft lb	12.0	17.0*	6.5	10.8			
7.5 m t							
25 ft lb							
6.0 m t		3.7*	3.7*				
20 ft lb		8.2*	8.2*				
4.5 m t		4.0*	4.0*	2.7	3.4*		
15 ft lb		8.8*	8.8*	5.9	6.8*		
3.0 m t	7.1*	7.1*	4.1	4.9*	2.7	4.1*	
10 ft lb	15.2*	15.2*	8.8	10.7*	5.7	9.0*	
1.5 m t	6.4*	6.4*	3.8	6.0*	2.5	4.5*	
5 ft lb	14.9	15.5*	8.2	12.9*	5.5	9.9*	
0 m t	6.5*	6.5*	3.6	6.5*	2.4	4.8*	
0 ft lb	14.2	15.0*	7.8	14.2*	5.3	10.4*	
-1.5 m t	6.6	9.6*	3.6	6.4*	2.4	4.6*	
-5 ft lb	14.2	20.8*	7.7	13.9*	5.2	9.9*	
-3.0 m t	6.7	7.9*	3.6	5.4*			
-10 ft lb	14.4	17.0*	7.8	11.5*			

Stick 2.65 m / 8'8"

Under-carriage		3.0 m 10 ft	4.5 m 15 ft	6.0 m 20 ft	7.5 m 25 ft		m ft in
7.5 m t							
25 ft lb							
6.0 m t		3.5*	3.5*				
20 ft lb		7.7*	7.7*				
4.5 m t		3.8*	3.8*	2.4	3.4*		
15 ft lb		8.1	8.3*	5.1	7.0*		
3.0 m t	6.6*	6.6*	3.5	4.7*	2.3	3.5	
10 ft lb	14.1*	14.1*	7.6	10.2*	4.9	7.6	
1.5 m t	5.8	7.8*	3.2	5.3	2.1	3.4	
5 ft lb	12.5	18.9*	7.0	11.3	4.6	7.3	
0 m t	5.4	6.6*	3.0	5.0	2.0	3.3	
0 ft lb	11.7	15.3*	6.5	10.8	4.4	7.1	
-1.5 m t	5.4	9.2*	3.0	4.9	2.0	3.2	
-5 ft lb	11.6	21.1*	6.4	10.6	4.3	7.0	
-3.0 m t	5.5	8.2*	3.0	5.0			
-10 ft lb	11.8	17.7*	6.4	10.7			
7.5 m t							
25 ft lb							
6.0 m t		3.5*	3.5*				
20 ft lb		7.7*	7.7*				
4.5 m t		3.8*	3.8*	2.8	3.4*		
15 ft lb		8.3*	8.3*	5.9	7.1*		
3.0 m t	6.6*	6.6*	4.1	4.7*	2.7	4.0*	
10 ft lb	14.2*	14.2*	8.9	10.3*	5.7	8.7*	
1.5 m t	7.0	7.7*	3.8	5.8*	2.5	4.4*	
5 ft lb	15.0	18.7*	8.3	12.6*	5.5	9.7*	
0 m t	6.6	6.7*	3.6	6.5*	2.4	4.7*	
0 ft lb	14.2	15.3*	7.8	14.0*	5.2	10.3*	
-1.5 m t	6.6	9.3*	3.5	6.4*	2.4	4.6*	
-5 ft lb	14.1	21.1*	7.6	13.9*	5.2	10.0*	
-3.0 m t	6.7	8.2*	3.6	5.6*			
-10 ft lb	14.3	17.6*	7.7	11.9*			



Can be slewed through 360°

In longitudinal position of undercarriage



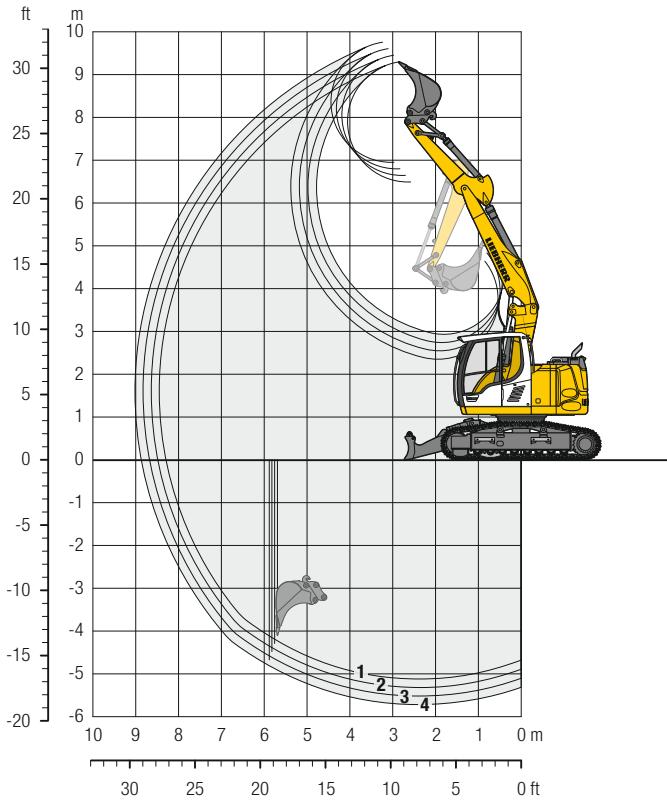
Max. reach

* Limited by hydr. capacity

The load values are quoted in tons (t) / lb x 1,000 at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 600 mm/24" wide track pads. Indicated loads are based on ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity (indicated via *). Without bucket cylinder, link and lever the lift capacities will increase by 190 kg/420 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

Backhoe Bucket

with Two-Piece Boom 4.85 m/15'11" and Counterweight 2.8 t/6,170 lb



Digging Envelope

		1	2	3	4
Stick length	m/ft in	2.05 / 6'9"	2.25 / 7' 5"	2.45 / 8'	2.65 / 8' 8"
Max. digging depth	m/ft in	5.10 / 16'9"	5.30 / 17' 5"	5.50 / 18'1"	5.70 / 18' 8"
Max. reach at ground level	m/ft in	8.30 / 27'3"	8.50 / 27'11"	8.70 / 28'7"	8.90 / 29' 2"
Max. dumping height	m/ft in	6.50 / 21'4"	6.65 / 21'10"	6.80 / 22'4"	6.95 / 22'10"
Max. teeth height	m/ft in	9.30 / 30'6"	9.45 / 31'	9.60 / 31'6"	9.75 / 32'
Min. attachment radius	m/ft in	2.55 / 8'4"	2.45 / 8'	2.30 / 7'7"	2.15 / 7' 1"

Forces

		1	2	3	4
without quick coupler					
Max. digging force (ISO 6015)	kN/lbf	70 / 15,740	66 / 14,840	62 / 13,940	59 / 13,260
Max. breakout force (ISO 6015)	kN/lbf	89 / 20,010	89 / 20,010	89 / 20,010	89 / 20,010
Max. digging force (SAE J1179)	kN/lbf	68 / 15,290	64 / 14,390	60 / 13,490	57 / 12,810
Max. breakout force (SAE J1179)	kN/lbf	80 / 17,990	80 / 17,990	80 / 17,990	80 / 17,990

Operating Weight and Ground Pressure

The operating weight includes the basic machine with counterweight 2.8 t/6,170 lb, two-piece boom 4.85 m/15'11", stick 2.25 m/7'5", quick coupler SWA 33 and bucket 0.50 m³/0.65 yd³ (340 kg/750 lb).

Undercarriage	STD				
	Pad width	mm/in	500/20"	600/24"	700/28"
	Weight	kg/lb	15,200/33,510	15,400/33,950	15,600/34,390
Ground pressure	kg/cm ² /psi	0.47/6.7	0.40/5.7	0.34/4.8	

Undercarriage	STD with blade				
	Pad width	mm/in	500/20"	600/24"	700/28"
	Weight	kg/lb	16,300/35,940	16,500/36,380	16,800/37,040
Ground pressure	kg/cm ² /psi	0.50/7.1	0.42/6.0	0.37/5.3	

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

Cutting width in	STD-Undercarriage (with track pads 600 mm/24")												STD-Undercarriage with blade (with track pads 600 mm/24")											
	Capacity ISO 7451	Weight ^③ m ³	Weight ^④ kg	Weight ^④ lb	Stick length (m/ft in)								Stick length (m/ft in)								Stick length (m/ft in)			
					2.05 6'9"	2.25 7'5"	2.45 8'	2.65 8'8"	2.05 6'9"	2.25 7'5"	2.45 8'	2.65 8'8"	2.05 6'9"	2.25 7'5"	2.45 8'	2.65 8'8"	2.05 6'9"	2.25 7'5"	2.45 8'	2.65 8'8"	2.05 6'9"	2.25 7'5"	2.45 8'	2.65 8'8"
STD ^①	500 20"	0.32	230	250	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	510 20"	0.42	510	550	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	550 22"	0.29	250	260	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	570 22"	0.38	550	570	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	600 26"	0.47	600	640	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	710 34"	0.65	710	750	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	790 41"	0.85	790	840	▲	▲	■	■	▲	■	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	950 49"	1.05	950	1,050	▲	■	■	△	▲	■	■	△	▲	▲	▲	▲	▲	▲	■	■	▲	■	▲	▲
	570 20"	0.42	570	620	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	620 22"	0.38	620	640	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
HD ^②	300 26"	0.36	300	320	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	710 34"	0.65	710	750	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	430 41"	0.85	930	950	▲	■	■	▲	▲	■	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	490 49"	1.05	1,060	1,080	▲	■	△	△	■	△	△	▲	▲	▲	▲	▲	▲	▲	■	■	▲	■	▲	▲

* Indicated loads are based on ISO 10567, at maximum reach, and may be swung 360° on firm and even ground

^① Standard bucket with teeth Uni 35-3 ^② HD bucket with teeth Uni 35-3 ^③ Bucket for direct mounting ^④ Bucket for mounting to quick coupler

Other buckets available upon request

Max. material weight ▲ = ≤ 2.0 t/m³/3,400 lb/yd³, ■ = ≤ 1.8 t/m³/3,000 lb/yd³, △ = ≤ 1.65 t/m³/2,800 lb/yd³, □ = ≤ 1.5 t/m³/2,500 lb/yd³, △ = ≤ 1.2 t/m³/2,000 lb/yd³

Lift Capacities

with Two-Piece Boom 4.85 m / 15'11", Counterweight 2.8 t / 6,170 lb and Track Pads 600 mm / 24"

Stick 2.05 m / 6'9"

Under-carriage		3.0 m 10 ft	4.5 m 15 ft	6.0 m 20 ft	7.5 m 25 ft		m ft in
7.5 m	t					3.5*	3.5*
25 ft	lb	9,8*	9,8*			8,0*	8,0* 10'10"
6.0 m	t		3.9 4.9*			2.8*	5.4
20 ft	lb		8,2 10,5*			6,2*	6,2* 17'5"
4.5 m	t	6.7* 6.7*	3.9 5.3*	2.4 3.6		2.1	2.6* 6.4
15 ft	lb	14,2* 14,2*	8,4 11,5*	5,0 7,7		4,6	5,7* 20'10"
3.0 m	t	6.8 9,2*	3.8 5.6	2.4 3.6		1.8	2.6* 6.9
10 ft	lb	14,7 20,2*	8,3 12,0	5,0 7,7		4,0	5,7* 22'7"
1.5 m	t	6.7 9,6*	3.8 5.6	2.3 3.5		1.7	2.7 7.0
5 ft	lb	14,5 20,9*	8,1 12,0	4,9 7,6		3,7	5,9 23'1"
0 m	t	6.5 10,5*	3.5 5.6	2.2 3.4		1.7	2.7 6.8
0 ft	lb	14,0 22,6	7,6 12,0	4,6 7,3		3,8	6,0 22'6"
-1.5 m	t	6.2 10,7*	3.3 5.3	2.1 3.3		1.9	3.1 6.3
-5 ft	lb	13,3 23,1*	7,0 11,4	4,5 7,1		4,3	6,8 20'7"
-3.0 m	t	6.0 9,3*	3.1 4,7*			2,7	3,4* 5.0
-10 ft	lb	12,8 19,8*	6,8 9,7*			6,1	7,7* 16'1"
7.5 m	t					3.5*	3.5*
25 ft	lb	9,9* 9,9*				8,0*	8,0* 10'10"
6.0 m	t		4.4 4.9*			2.8*	5.4
20 ft	lb		9,5 10,5*			6,2*	6,2* 17'5"
4.5 m	t	6.8* 6.8*	4.4 5.3*	2.8 4.4*		2,4	2.6* 6.4
15 ft	lb	14,3* 14,3*	9,5 11,5*	5,9 8,7*		5,4	5,7* 20'10"
3.0 m	t	7,8 9,3*	4,3 6,0*	2,7 4,7*		2,1	2.6* 6.9
10 ft	lb	16,8 20,2*	9,4 13,0*	5,9 10,1*		4,7	5,7* 22'7"
1.5 m	t	7,7 9,6*	4,3 6,6*	2,7 4,8*		2,0	2.7* 7.0
5 ft	lb	16,6 20,9*	9,4 14,2*	5,7 10,4*		4,4	6,0* 23'1"
0 m	t	7,7 10,5*	4,1 6,6*	2,6 4,9*		2,1	3,1* 6.8
0 ft	lb	16,6 22,7*	8,9 14,4*	5,5 10,5*		4,5	6,8* 22'6"
-1.5 m	t	7,4 10,7*	3,9 6,8*	2,5 4,1*		2,3	3,5* 6.3
-5 ft	lb	15,9 23,2*	8,3 14,7*	5,3 8,6*		5,1	7,7* 20'7"
-3.0 m	t	7,1 9,3*	3,7 4,7*			3,2	3,4* 5.0
-10 ft	lb	15,3 19,7*	8,1 9,6*			7,3	7,7* 16'1"

Stick 2.25 m / 7'5"

Under-carriage		3.0 m 10 ft	4.5 m 15 ft	6.0 m 20 ft	7.5 m 25 ft		m ft in
7.5 m	t					3.1*	3.1*
25 ft	lb					7,0*	7,0* 12'2"
6.0 m	t					2,5*	2,5* 5.6
20 ft	lb					5,5*	5,5* 18'2"
4.5 m	t	5,6* 5,6*	3,9 5,1*	2,4 3,6		2,0	2,3* 6.6
15 ft	lb	12,0*	8,4 11,1*	5,1 7,8		4,4	5,1* 21'6"
3.0 m	t	6,8 9,1*	3,8 5,6	2,4 3,6		1,7	2,3* 7.1
10 ft	lb	14,7 19,6*	8,2 12,0	5,1 7,8		3,8	5,1* 23'2"
1.5 m	t	6,7 9,5*	3,8 5,5	2,3 3,6		1,6	2,4* 7.2
5 ft	lb	14,4 20,8*	8,2 11,9	4,9 7,6		4,3	5,4* 23'8"
0 m	t	6,5 10,4*	3,6 5,6	2,2 3,4		1,6	2,6 7.0
0 ft	lb	14,1 22,5	7,7 12,1	4,7 7,4		3,6	5,8 23'1"
-1.5 m	t	6,2 10,6*	3,3 5,3	2,1 3.3		1,8	2,9 6.5
-5 ft	lb	13,3 23,0	7,1 11,5	4,4 7,1		4,0	6,5 21'4"
-3.0 m	t	6,0 9,9*	3,1 5,2			2,5	3,2* 5.3
-10 ft	lb	12,8 21,1*	6,7 11,1*			5,6	7,2* 16'8"
7.5 m	t					3,0*	3,0* 3.9
25 ft	lb					6,9*	6,9* 12'2"
6.0 m	t					2,5*	2,5* 5.6
20 ft	lb					5,5*	5,5* 18'2"
4.5 m	t	5,6* 5,6*	4,4 5,1*	2,8 4,3*		2,3*	2,3* 6.6
15 ft	lb	12,1* 12,1*	9,5 11,2*	5,9 8,9*		5,1*	5,1* 21'6"
3.0 m	t	7,8 9,2*	4,3 5,9*	2,8 4,6*		2,0	2,3* 7.1
10 ft	lb	16,8 19,7*	9,3 12,7*	5,9 9,9*		4,5	5,1* 23'2"
1.5 m	t	7,7 9,5*	4,3 6,5*	2,7 4,8*		1,9	2,5* 7.2
5 ft	lb	16,5 20,8*	9,3 14,1*	5,8 10,4*		4,2	5,4* 23'8"
0 m	t	7,7 10,4*	4,2 6,6*	2,6 4,8*		2,0	2,7* 7.0
0 ft	lb	16,6 22,5*	9,0 14,3*	5,5 10,5*		4,3	6,1* 23'1"
-1.5 m	t	7,4 10,6*	3,9 6,8*	2,5 4,4*		2,2	3,4* 6.5
-5 ft	lb	15,9 23,0*	8,3 14,7*	5,3 9,3*		4,8	7,4* 21'4"
-3.0 m	t	7,1 9,8*	3,7 5,3*			3,0	3,2* 5.3
-10 ft	lb	15,3 21,0*	8,0 10,9*			6,9	7,3* 16'8"

Stick 2.45 m / 8'

Under-carriage		3.0 m 10 ft	4.5 m 15 ft	6.0 m 20 ft	7.5 m 25 ft		m ft in
7.5 m	t					2,7*	2,7*
25 ft	lb					6,1*	6,1* 13'5"
6.0 m	t		3,9 4,2*			2,2*	5,9
20 ft	lb		8,4 9,2*			5,0*	5,0* 19'1"
4.5 m	t	4,8* 4,8*	3,9 5,0*	2,4 3,7		1,9	2,1* 6,8
15 ft	lb	10,3* 10,3*	8,4 10,8*	5,1 7,8		4,2	4,6* 22'2"
3.0 m	t	6,8 8,7*	3,8 5,6	2,4 3,6		1,6	2,1* 7,3
10 ft	lb	14,7 18,7*	8,2 12,0	5,1 7,8		3,6	4,6* 23'10"
1.5 m	t	6,7 9,4*	3,8 5,5	2,3 3,6		1,5	2,2* 7,4
5 ft	lb	14,4 20,6*	8,1 11,8	5,0 7,7		3,4	4,9* 24'4"
0 m	t	6,6 10,3*	3,6 5,6	2,2 3,4		1,6	2,5* 7,2
0 ft	lb	14,2 22,3*	7,7 12,0	4,7 7,4		3,4	5,4* 23'8"
-1.5 m	t	6,2 10,5*	3,3 5,4	2,1 3,3		1,7	2,8 6,7
-5 ft	lb	13,3 22,8	7,1 11,5	4,4 7,1		3,8	6,1 22'
-3.0 m	t	6,0 10,3*	3,1 5,2			2,2	2,8* 5,7
-10 ft	lb	12,8 22,1*	6,7 11,1			4,9	6,4* 18'6"
7.5 m	t					2,7*	2,7*
25 ft	lb					6,1*	6,1* 13'5"
6.0 m	t		4,2* 4,2*			2,2*	5,9
20 ft	lb		9,2* 9,2*			5,0*	5,0* 19'1"
4.5 m	t	4,8* 4,8*	4,4 5,0*	2,8 4,2*		2,1*	2,1* 6,8
15 ft	lb	10,4* 10,4*	9,5 10,8*	6,0 8,8*		4,6*	4,6* 22'2"
3.0 m	t	7,8 8,8*	4,3 5,7*	2,8 4,5*		1,9	2,1* 7,3
10 ft	lb	16,8 18,8*	9,3 12,4*	6,0 9,8*		4,3	4,6* 23'10"
1.5 m	t	7,7 9,4*	4,3 6,4*	2,7 4,7*		1,8	2,2* 7,4
5 ft	lb	16,5 20,6*	9,2 13,9*	5,8 10,3*		4,0	4,9* 24'4"
0 m	t	7,7 10,3*	4,2 6,5*	2,6 4,8*		1,9	2,5* 7,2
0 ft	lb	16,6 22,3*	9,0 14,2*	5,5 10,4*		4,1	5,4* 23'8"
-1.5 m	t	7,4 10,5*	3,9 6,7*	2,5 4,6*		2,1	3,0* 6,7
-5 ft	lb	15,9 22,8*	8,4 14,5*	5,3 9,7*		4,6	6,6* 22'
-3.0 m	t	7,2 10,3*	3,7 5,7*			2,6	2,9* 5,7
-10 ft	lb	15,3 22,0*	8,0 12,0*			5,9	6,4* 18'6"

Stick 2.65 m / 8'8"

Under-carriage		3.0 m 10 ft	4.5 m 15 ft	6.0 m 20 ft	7.5 m 25 ft		m ft in
7.5 m	t					2,8*	2,8*
25 ft	lb					5,4*	5,4* 14'6"
6.0 m	t					2,0*	2,0* 6.1
20 ft	lb					4,6*	4,6* 19'11"
4.5 m	t					3,9*	3,9*
15 ft	lb					8,6*	8,6*
3.0 m	t					4,4	4,5* 22'11"
10 ft	lb					9,5	9,5*
1.5 m	t					4,4	4,2* 24'6"
5 ft	lb					1,9	1,9* 7,0
0 m	t					4,2	4,2* 22'11"
0 ft	lb					4,2	4,2* 22'11"
-1.5 m	t					1,9	1,9* 7,5
-5 ft	lb					4,1	4,2* 24'6"
-3.0 m	t					1,8	2,0* 7,6
-10 ft	lb					3,9	4,4* 25'
7.5 m	t					2,0*	2,0* 6.0
25 ft	lb					5,4	6,2* 19'6"
6.0 m	t					2,0*	2,0* 6.1
20 ft	lb					4,5*	4,5* 19'11"
4.5 m	t					1,9*	1,9* 7,0
15 ft	lb					4,2*	4,2* 22'11"
3.0 m	t					4,3	4,3* 24'5"
10 ft	lb					4,1	4,2* 24'6"
1.5 m	t					3,9	4,4* 22'8"
5 ft	lb					2,0	2,0* 6.0
0 m	t					3,9	4,9* 24'5"
0 ft	lb					2,0	2,7* 6.9
-1.5 m	t					4,3	5,9* 22'8"
-5 ft	lb					2,4	2,8* 6.0
-3.0 m	t					5,4	6,2* 19'6"

Height Can be slewed through 360° In longitudinal position of undercarriage

Max. reach * Limited by hydr. capacity

The load values are quoted in tons (t) / lb x 1,000 at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 600 mm / 24" wide track pads with adjusting cylinder in optimal position. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via *). Without bucket cylinder, link and lever the lift capacities will increase by 190 kg / 420 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

Attachments

Ditch Cleaning Buckets/Tilt Buckets

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

Cutting width mm in	Capacity ISO 7451 m ³ yd ³	Weight kg lb	STD-Undercarriage (with track pads 600 mm/24")				STD-Undercarriage with blade (with track pads 600 mm/24")			
			Stick length (m/ft in)				Stick length (m/ft in)			
			2.05 6'9"	2.25 7'5"	2.45 8'	2.65 8'8"	2.05 6'9"	2.25 7'5"	2.45 8'	2.65 8'8"
Mono boom 4.60 m/15'1"										
1,500 ^②	0.50	360	■	■	■	■	■	■	■	■
59 ^①	0.65	794	■	■	■	■	■	■	■	■
1,600 ^①	0.55	640	■	■	■	■	■	■	■	■
63 ^①	0.72	1,411	■	■	■	■	■	■	■	■
2,000 ^①	0.50	660	■	■	■	■	■	■	■	■
79 ^①	0.65	1,455	■	■	■	■	■	■	■	■
2,000 ^②	0.48	350	■	■	■	■	■	■	■	■
79 ^②	0.63	772	■	■	■	■	■	■	■	■
2,000 ^②	0.65	390	■	■	■	■	■	■	■	■
79 ^②	0.85	860	■	■	■	■	■	■	■	■
Two-piece boom 4.85 m/15'11"										
1,500 ^②	0.50	360	■	■	■	■	■	■	■	■
59 ^②	0.65	794	■	■	■	■	■	■	■	■
1,600 ^①	0.55	640	■	■	■	■	■	■	■	■
63 ^①	0.72	1,411	■	■	■	■	■	■	■	■
2,000 ^①	0.50	660	■	■	■	■	■	■	■	■
79 ^①	0.65	1,455	■	■	■	■	■	■	■	■
2,000 ^②	0.48	350	■	■	■	■	■	■	■	■
79 ^②	0.63	772	■	■	■	■	■	■	■	■
2,000 ^②	0.65	390	■	■	■	■	■	■	■	■
79 ^②	0.85	860	■	■	■	■	■	■	■	■

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

Cutting width mm in	Capacity ISO 7451 m ³ yd ³	Weight kg lb	STD-Undercarriage (with track pads 600 mm/24")				STD-Undercarriage with blade (with track pads 600 mm/24")			
			Stick length (m/ft in)				Stick length (m/ft in)			
			2.05 6'9"	2.25 7'5"	2.45 8'	2.65 8'8"	2.05 6'9"	2.25 7'5"	2.45 8'	2.65 8'8"
Mono boom 4.60 m/15'1"										
1,500 ^①	0.60	660	■	■	■	■	■	■	■	■
59 ^①	0.78	1,323	■	■	■	■	■	■	■	■
Two-piece boom 4.85 m/15'11"										
1,500 ^①	0.60	660	■	■	■	■	■	■	■	■
59 ^①	0.78	1,323	■	■	■	■	■	■	■	■

* Indicated loads are based on ISO 10567, at maximum reach, and may be swung 360° on firm and even ground

^① with 2 x 50° rotator

^② rigid ditch cleaning bucket

Max. material weight ■ = ≤ 1.8 t/m³/3,000 lb/yd³, ■ = ≤ 1.5 t/m³/2,500 lb/yd³, △ = ≤ 1.2 t/m³/2,000 lb/yd³

Notes

Standard Equipment

Undercarriage

- Chain guide 1 piece
- Lashing eyelets
- Sprocket with dirt ejector
- Track rollers, lifetime-lubricated
- Tracks, sealed and greased
- Undercarriage STD

Uppercarriage

- Engine hood with gas spring opening
- Headlights on uppercarriage, front, halogen, 2 pieces
- Manual main switch
- Service doors, lockable
- Tool set 32 pieces

Hydraulic System

- Filter with integrated fine filter area
- Liebherr hydraulic oil HVI (-4 °F to +104 °F)
- Pressure storage for controlled lowering of equipment with engine turned off
- Pressure test ports for hydraulic
- Shut-off valve between hydraulic tank and pumps
- Work mode selector

Engine

- Common-Rail injection system
- Conform with Tier 4 Final emission standard
- DOC/SCR exhaust gas after-treatment system
- Engine idling, automatic, sensor-controlled
- Fixed geometry turbo charger
- Fuel filter and water separator
- Intercooler
- Stepless adjustable engine speed



Operator's Cab

- 2" seat belt with retractor
- 7" colour multifunction display with touchscreen
- Air conditioning, automatic
- Cigarette lighter
- Coat hook
- Cup holder
- Electronic urea level gauge
- Fuel consumption indicator on touchscreen
- Headlights on cab, front, halogen, 2 pieces
- Hydraulic suspension
- Impact-resistant roof window
- Interior light
- LiDAT Plus (Liebherr data transfer system)*
- Mechanical hour meters, readable from outside the cab
- Operator seat Standard
- Radio pre-installation
- Rain hood over front window opening
- Rear view monitoring camera
- Rear window emergency exit
- Rearview mirror
- Retractable laminated two-piece windscreen
- Right hand side view monitoring camera
- Right window and windshield with laminated safety glass
- Roll-down sun blinds
- ROPS safety cab structure (ISO 12117-2)
- Rubber floor mat
- Sliding windows in cab door
- Storage bin
- Storage spaces
- Tilttable console left
- Tinted windows
- Wiper / washer



Attachment

- Boom cylinders oil regeneration
- Centralized lubrication system (automatic)
- Headlights on boom, halogen, 2 pieces
- Lubrication undercarriage, manually – decentralized (grease points)
- Pipe fracture safety valves for boom cylinders
- Pipe fracture safety valves for stick cylinder
- Stick cylinder oil regeneration

* optionally extendable after one year

Non-exhaustive list, please contact us for further information.

Options

Undercarriage

- Chain guide 3 pieces
- Cutting edges for dozer and stabilizer blades
- Dozer and stabilizer blade 2,540 mm/**8'4"**
- Dozer and stabilizer blade 2,640 mm/**8'8"**
- Dozer and stabilizer blade 2,740 mm/**9'**
- Rubber track pads 500 mm/**20"**
- Special painting
- Triple grouser track pads 500 mm/**20"**
- Triple grouser track pads 600 mm/**24"**
- Triple grouser track pads 700 mm/**28"**
- Triple grouser track pads 900 mm/**35"**

Uppercarriage

- Amber beacon on uppercarriage, rear, halogen, 1 piece
- Amber beacon on uppercarriage, rear, LED, 1 piece
- Amber beacons on uppercarriage, rear, halogen, 2 pieces
- Extended tool set including tool box
- Fuel anti-theft device
- Fuel tank refilling pump
- Headlight on uppercarriage, lateral right, LED, 1 piece
- Headlight on uppercarriage, rear, LED, 2 pieces
- Positioning swing brake
- Pre-heating system for coolant
- Pre-heating system for fuel
- Reflective warning stickers
- Reversible fan drive
- Special painting

Hydraulic System

- Bypass filter for hydraulic oil
- Liebherr hydraulic oil, adapted for extreme climate conditions
- Liebherr hydraulic oil, biodegradable

Engine

- Air pre-filter with cyclonical dust trap
- Automatic engine shut-down after idling (without timer)
- Diesel particulate filter

Operator's Cab

- 3" seat belt with retractor, orange color
- 4-points seat belt
- Acoustic travel alarm deactivatable
- Amber beacon on cabin, halogen, 1 piece
- Amber beacon on cabin, LED, 1 piece
- Auxiliary heater programmable
- Bottom windscreens wiper
- Cool box (12 V)
- Electronic anti-theft device

Operator's Cab

- Emergency stop in cab
- FGPS front guard tiltable
- Fire extinguisher
- Footrest
- FOPS top guard
- Handrests elevated for joysticks
- Headlights on cab roof, front, halogen, 2 pieces
- Headlights on cab roof, front, LED, 2 pieces
- Headlights on cab, front, LED, 2 pieces
- Headlights on cab, rear, halogen, 2 pieces
- Headlights on cab, rear, LED, 2 pieces
- Impact-resistant one-piece windscreens
- Liebherr proportional control
- Lightbar on cabin
- Operator seat Comfort
- Operator seat Premium
- Radio Comfort
- Roof window wiper
- Special painting
- Sun visor
- Switchable high-pressure control

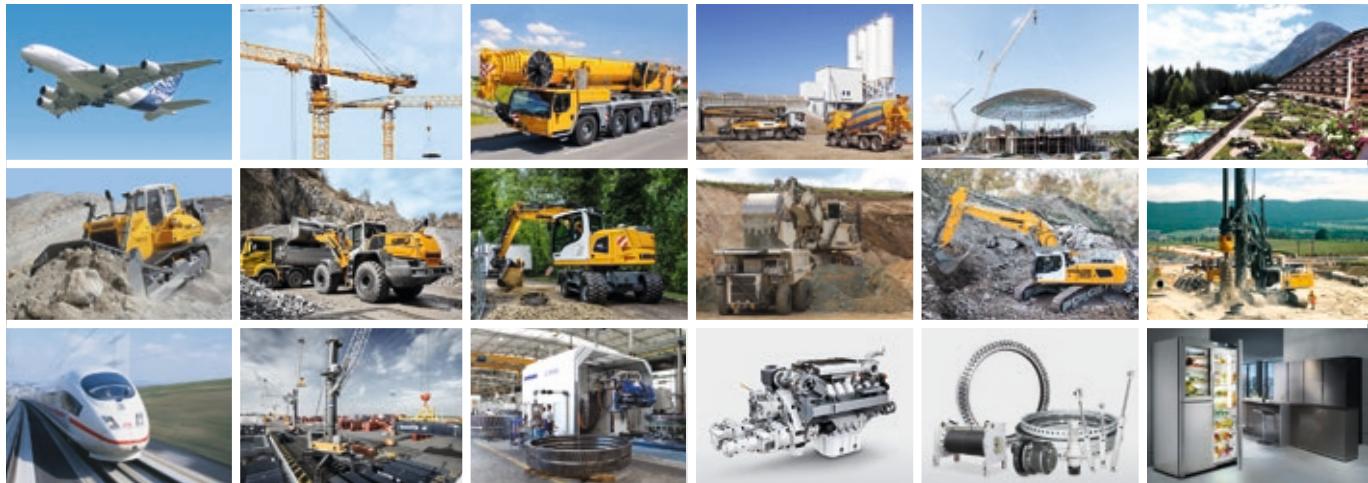
Attachment

- Bucket cylinder rod protection
- Centralized lubrication extended for connecting link
- Centralized lubrication extended for quick coupler
- Electric socket on stick (24 V)
- Filter for hydraulic hammer return flow
- Grapple hydraulic lines
- Headlight guards on boom, right and left
- Headlights on boom, LED, 2 pieces
- Headlights on stick, right and left, LED, 2 pieces, protections included
- High pressure circuit with Tool Control (20 tool adjustments on display)
- Leak oil line for attachment
- Liebherr bucket range
- Liebherr tooth system
- Lift chart
- Lifting eye on stick
- LIKUFIX, quick coupling system for hydraulic tools
- Load holding valve for bucket cylinder
- Medium pressure circuit
- Mono boom offset 4.30 m/**14'1"**
- Mono boom 4.60 m/**15'1"**
- Movement restriction for stick
- Overload warning system
- Preparation for machine guidance system
- Quick coupler SWA 33 hydraulic
- Quick coupler SWA 33 mechanical
- Quick coupler SWA 48 hydraulic
- Quick coupler SWA 48 mechanical
- Special painting
- Stick bottom protection
- Stick 2.05 m/**6'9"**
- Stick 2.25 m/**7'5"**
- Stick 2.45 m/**8'**
- Stick 2.65 m/**8'8"**
- Two-piece boom 4.85 m/**15'11"**
- Two-piece boom offset 4.90 m/**16'1"**
- Working envelope height limitation

Non-exhaustive list, please contact us for further information.

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.

The Liebherr Group of Companies



Wide Product Range

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

Exceptional Customer Benefit

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

State-of-the-art Technology

Liebherr attributes great importance to the product areas of core technology and components, in order to achieve its consistent, top-quality products. Important modules and components are developed and manufactured in-house, for instance the entire drive and control technology for the construction equipment and mining trucks.

Worldwide and Family-Owned

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.

www.liebherr.us