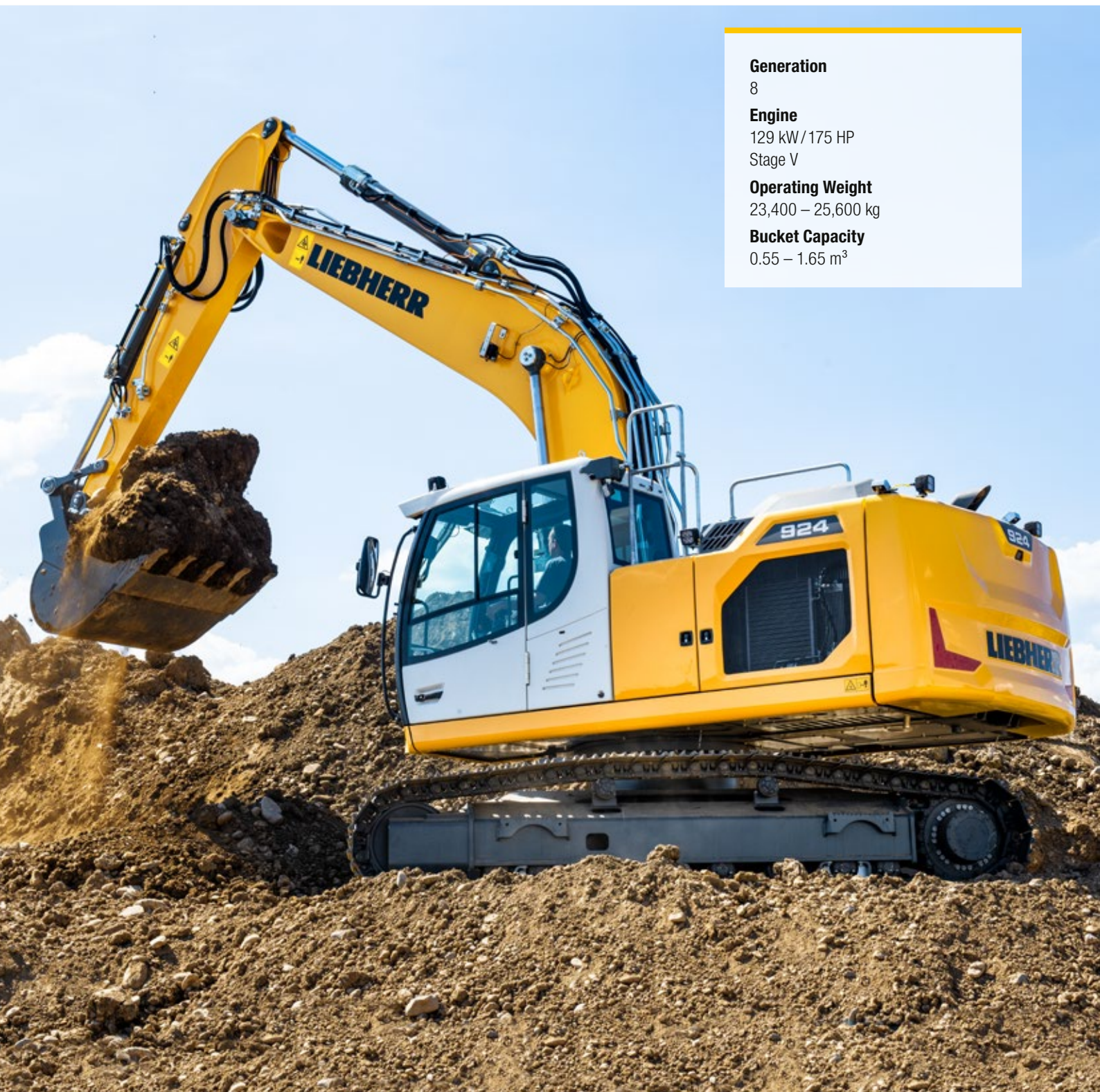


Product Information: Crawler Excavator

R 924

Litronic®



Generation

8

Engine

129 kW / 175 HP
Stage V

Operating Weight

23,400 – 25,600 kg

Bucket Capacity

0.55 – 1.65 m³

LIEBHERR

Experience the Progress

R 924

Safety

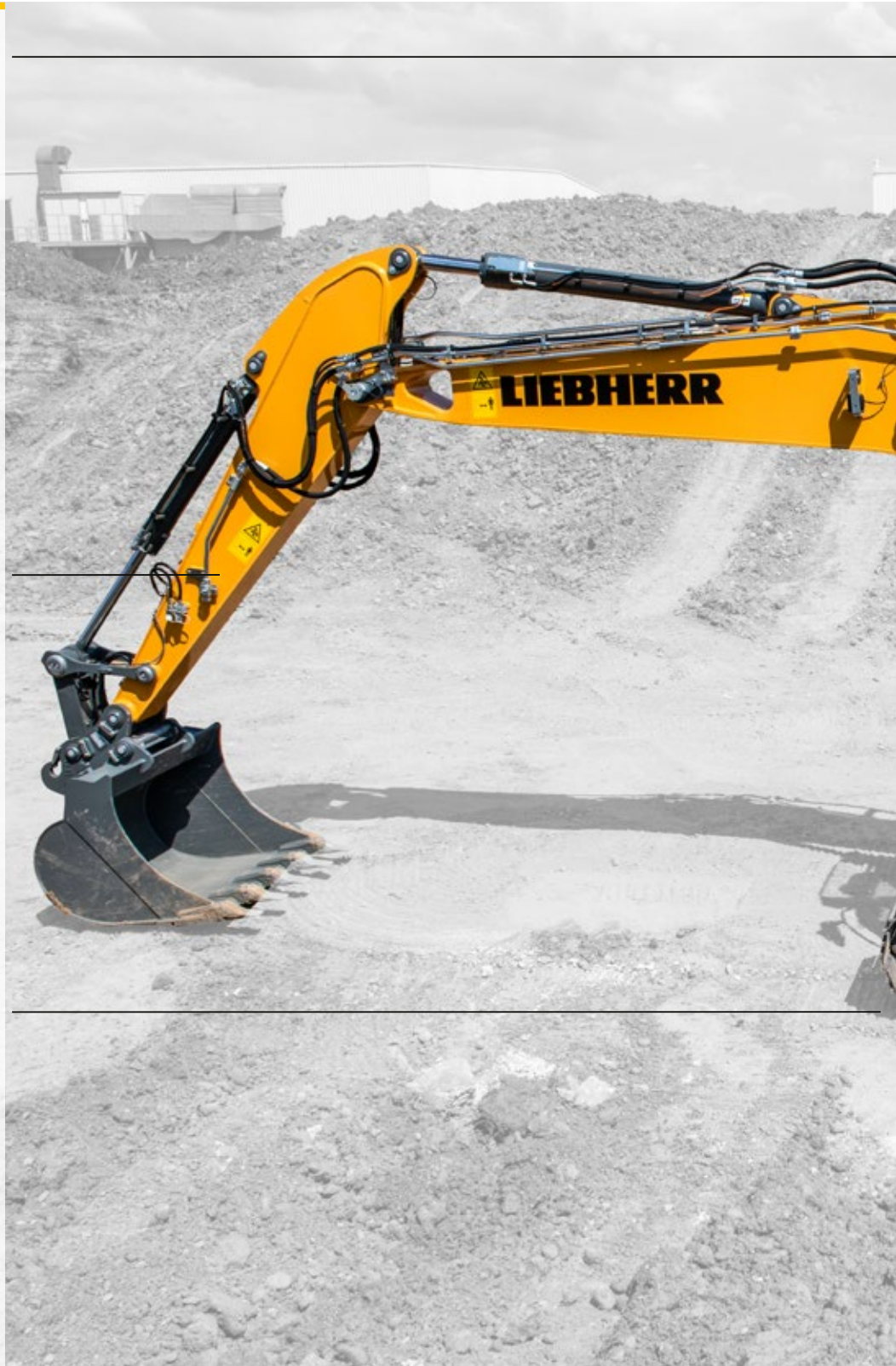
- Panoramic visibility with no obstructions and camera on the rear and the right side equipment for enhanced safety
- Lifiable console for easy and safe access to cab
- ROPS-certified cab structure: rollover protection
- Emergency exit via the rear cab window
- Right window and windshield in laminated and tinted glass

Equipment

- Large choice of types and sizes of equipment
- Safety check valves for hoist and stick cylinders
- Longer lifespan of components and higher productivity thanks to automatic centralised lubrication system

Undercarriage

- Robust, reliable X-frame undercarriage, easy to secure thanks to its integrated eyelets
- Easy maintenance
- Maintenance-free travel gear and track rollers with lifetime lubrication
- Extra storage as an option





Comfort

- Spacious, air-conditioned work space
- Airsprung seat with vertical and horizontal suspension
- Easy-to-use high resolution 7" colour touchscreen
- Completely retractable front cab window
- New LED lighting as standard

Engine

- New engine that conforms with the Stage V European exhaust emissions standard
- Automatic idle-stop

Maintenance

- Innovative servicing concept, with service points accessible from ground level
- New concept for lateral access to uppercarriage and large maintenance platform
- Engine oil, hydraulic oil, fuel and urea (diesel exhaust fluid) levels visible on the display

Technical Data



Engine

Rating per ISO 9249	129 kW (175 HP) at 1,800 RPM
Torque	682 Nm at 1,400 RPM
Model	D924 A7-05 – FPT motor designed for Liebherr
Type	4 cylinder in-line
Bore	104 mm
Stroke	132 mm
Displacement	4.5 l
Engine operation	4-stroke diesel Common-Rail Turbo-charged and after-cooler
Exhaust gas treatment	Stage V DOC + DPF + SCR Passive regeneration by thermo management
Cooling system	Water-cooled and oil cooler, after-cooled and fuel cooled
Air cleaner	Dry-type air cleaner with pre-cleaner
Fuel tank	400 l
Urea tank	46 l
Electrical system	
Voltage	24 V
Batteries	2 x 135 Ah/ 12 V
Alternator	Three-phase current 28 V/140 A
Engine idling	Sensor controlled



Hydraulic Controls

Power distribution	Via control valves, simultaneous and independent actuation of undercarriage, swing drive and equipment
Electric servo circuit	Electro-hydraulic control
Equipment and swing	Proportional via joystick levers
Travel	– Proportional control via foot pedals or removable levers – Automatic or manual speed adjustment
Additional functions	Proportional regulation via foot pedals or mini-joystick



Hydraulic System

Hydraulic system	Positive Control hydraulic system. Demand-based, double independent pump flows Features high system dynamics and sensitivity provided by integrated system controlling
Hydraulic pump	
For equipment and travel drive	Liebherr, variable displacement, swashplate double pump
Max. flow	2 x 210 l/min.
Max. pressure	380 bar
Pump management	Electronic management synchronous to the control block. Open circuit for the rotation
Hydraulic tank	155 l
Hydraulic system	max. 320 l
Hydraulic oil filter	1 main return filter with integrated partial micro filtration (10 µm)
Cooling system	Compact cooler, consisting of a water cooler, sandwiched with hydraulic oil cooler and fuel and after-cooler cores and hydrostatically driven fan
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
Engine speed and performance setting	Stepless adjustment of engine output and hydraulic power via engine speed



Swing Drive

Drive	Liebherr swashplate motor with integrated brake valve and torque control
Transmission	Liebherr compact planetary reduction gears
Swing ring	Liebherr, sealed race ball bearing swing ring, internal teeth
Swing speed	0 – 12.9 RPM stepless
Swing torque	74.3 kNm
Holding brake	Wet multi-disc (spring applied, pressure released)



Operator's Cab

Cab	ROPS safety cab structure (roll-over protection system according to ISO 12117-2:2008) with windscreen, totally or partially retractable (only upper part), under cab roof, LED work headlights integrated in the ceiling, a door with a sliding window (can be opened on both sides), large storing box and several stowing possibilities, shock-absorbing suspension, laminated right hand side and roof windows, all windows tinted, separate extensible window shades for the sunroof window and windscreen, cigarette lighter and 24 V plug, 12 V plug, cup holder, mobile phone storage net
Operator's seat	Liebherr-Comfort seat, airsprung with automatic weight adjustment, vertical and longitudinal seat damping including consoles and joysticks. Seat and armrests adjustable separately and in combination (adjustable in width, height and inclination), seat heating as standard
Arm consoles	Oscillating consoles with seat, tiltable console left
Operation and displays	Large high-resolution operating unit, intuitive, colour display with touchscreen, video-compatible, numerous setting, control and monitoring options, e.g. air conditioning control, fuel consumption, machine and attachment 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 The air conditioning system contains fluorinated greenhouse gases
Refrigerant	R134a
Global warming potential	1,430
Quantity at 25 °C*	1,260 g
CO ₂ equivalent	1.80 t
Vibration emission**	
Hand/arm vibrations	< 2.5 m/s ² , according with ISO 5349-1:2001
Whole-body vibrations	< 0.5 m/s ²
Measuring inaccuracy	According with standard EN 12096:1997
Noise emission	
ISO 6396	L _{pA} (inside cab) = 70 dB(A)
2000/14/EC	L _{WA} (surround noise) = 103 dB(A)

* Valid for standard machine without operator's cab elevation and without height adjustable cab

** For the risk assessment according to 2002/44/EC see ISO/TR 25398:2006

Undercarriage

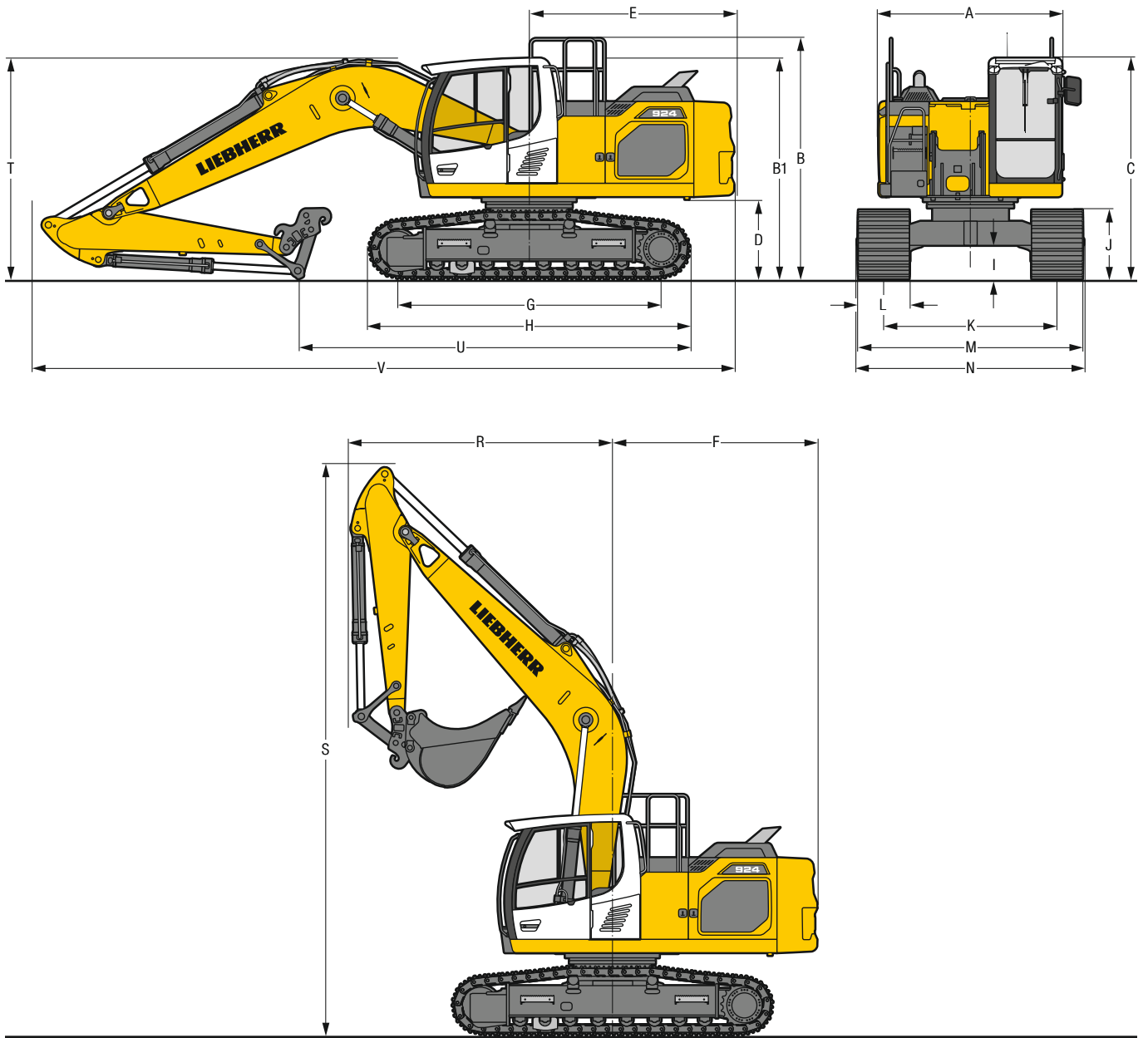
Versions	
NLC	Gauge 2,000 mm
SLC	Gauge 2,240 mm
LC	Gauge 2,390 mm
WLC	Gauge 2,590 mm
Drive	Liebherr swashplate motor with brake valves on both sides
Transmission	Liebherr planetary reduction gear
Maximum travel speed	Low range 3.1 km/h High range 5.9 km/h
Drawbar pull on crawler	236 kN
Track components	B60, D6C, maintenance-free
Track rollers/Carrier rollers	NLC/SLC/LC: 8/2 WLC: 9/2
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



Equipment

Type	Combination of resistant steel plates and cast steel components
Hydraulic cylinders	Liebherr cylinders with seal and guidance systems
Bearings	Sealed, low maintenance
Lubrication	Liebherr central lubrication system
Hydraulic connections	Pipes and hoses equipped with SAE split-flange connections
Buckets	Standard equipped with Liebherr tooth system

Dimensions



	NLC	mm			SLC	mm			LC	mm			WLC	mm		
A	Upper-carriage width	2,545**				2,545**				2,545**				2,545**		
B	Upper-carriage height	3,335				3,335				3,335				3,335		
B1	Upper-carriage height (handrails folded)	3,060				3,060				3,060				3,060		
C	Cab height	3,060				3,060				3,060				3,060		
D	Counterweight ground clearance	1,100				1,100				1,100				1,100		
E	Rear-end length	2,830				2,830				2,830				2,830		
F	Tail swing radius	2,880				2,880				2,880				2,880		
G	Wheelbase	3,640				3,640				3,640				3,830		
H	Undercarriage length	4,435				4,435				4,435				4,630		
I	Undercarriage ground clearance	485				485				485				485		
J	Track height	960				960				960				960		
K	Track gauge	2,000				2,240				2,390				2,590		
L	Track pad width	500	600	750	500	600	750	900	500	600	750	900	600	750	900	
M	Width over tracks	2,500	2,600	2,750	2,740	2,840	2,990	3,140	2,890	2,990	3,140	3,290	3,190	3,340	3,490	
N	Width over steps	2,500	2,600	2,700*	2,775	2,775	2,975*	3,075*	2,925	2,925	3,125*	3,225*	3,125	3,325*	3,425*	

* width with removable steps

** without door stop device and spacer

	Stick length m	Mono boom 5.70 m mm				Mono boom straight 5.90 m mm				Two-piece boom 5.90 m mm				Mono boom offset 5.65 m mm				
R	Front swing radius	2.50	3,650				3,050				2,500				3,350			
		2.90	3,650				3,050				2,600				3,350			
		3.50	3,600				2,850				2,550				3,350			
S	Height with boom up	7,900				8,600				8,700				7,950				
T	Boom height	2.50	3,050				2,850				2,800				2,900			
		2.90	3,100				3,000				2,950				2,900			
		3.50	3,050				3,050				3,050				2,900			
U	Length on ground	2.50	5,400/5,500*				5,900/6,000*				5,900/6,000*				8,050/8,150*			
		2.90	5,050/5,150*				5,650/5,750*				5,600/5,700*				7,650/7,750*			
		3.50	7,150/7,250*				5,000/5,100*				5,000/5,100*				7,000/7,100*			
V	Overall length	9,700				9,950				9,900				9,550				

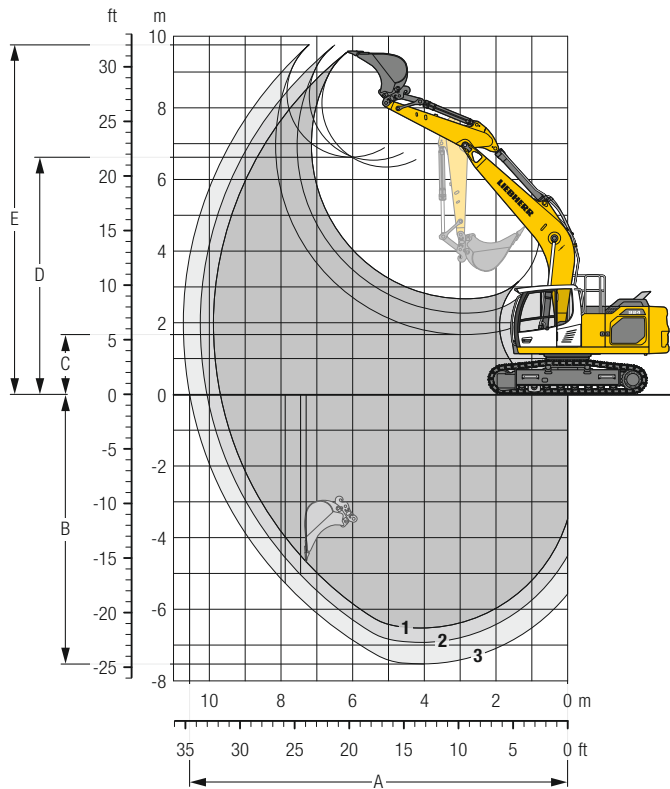
* WLC-Undercarriage

Transport Dimensions removable elements dismantled

	Undercarriage / Stick m	Mono boom 5.70 m mm				Mono boom straight 5.90 m mm				Two-piece boom 5.90 m mm				Mono boom offset 5.65 m mm			
		500	600	750	900	500	600	750	900	500	600	750	900	500	600	750	900
Pad width	NLC	2,545	2,600	2,750	–	2,545	2,600	2,750	–	2,545	2,600	2,750	–	2,545	2,600	2,750	–
	SLC	2,775	2,840	2,990	3,140	2,775	2,840	2,990	3,140	2,775	2,840	2,990	3,140	2,775	2,840	2,990	3,140
	LC	2,925	2,990	3,140	3,290	2,925	2,990	3,140	3,290	2,925	2,990	3,140	3,290	2,925	2,990	3,140	3,290
	WLC	–	3,190	3,340	3,490	–	3,190	3,340	3,490	–	3,190	3,340	3,490	–	3,190	3,340	3,490
Transport length	NLC	9,700				9,950				9,900				9,550			
	SLC	9,700				9,950				9,900				9,550			
	LC	9,700				9,950				9,900				9,550			
	WLC	9,700				9,950				9,900				9,550			
Transport height	2,50	3,060				3,060				3,060				3,060			
	2,90	3,100				3,060				3,060				3,060			
	3,50	3,060				3,060				3,060				3,060			

Backhoe Bucket

with Mono Boom 5.70 m and Counterweight 5.0 t



Digging Envelope

with quick coupler		1	2	3
Stick length	m	2.50	2.90	3.50
A Max. reach at ground level	m	9.69	10.07	10.55
B Max. digging depth	m	6.53	6.93	7.52
C Min. dumping height	m	2.67	2.27	1.67
D Max. dumping height	m	6.34	6.54	6.62
E Max. cutting height	m	9.54	9.75	9.76

Forces

without quick coupler		1	2	3
Max. digging force (ISO 6015)	kN	135	122	106
Max. breakout force (ISO 6015)	kN	173	173	173
Max. digging force (SAE J1179)	kN	129	117	103
Max. breakout force (SAE J1179)	kN	151	151	151

Operating Weight and Ground Pressure

The operating weight includes the basic machine with counterweight 5.0 t, mono boom 5.70 m, stick 2.90 m, quick coupler SWA 48 and bucket 1.25 m³ (910 kg).

Undercarriage		NLC			SLC		
Pad width	mm	500	600	750	500	600	750
Weight	kg	23,400	23,650	23,800	23,500	23,750	23,900
Ground pressure	kg/cm ²	0.60	0.51	0.41	0.60	0.51	0.41

Undercarriage		LC			WLC		
Pad width	mm	500	600	750	500	600	750
Weight	kg	23,600	23,850	24,000	24,000	24,300	24,700
Ground pressure	kg/cm ²	0.60	0.51	0.41	0.58	0.49	0.40

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

Cutting width	Capacity ISO 7451	Weight ³⁾	Weight ⁴⁾	NLC-Undercarriage (with track pads 500 mm)									SLC-Undercarriage (with track pads 600 mm)									LC-Undercarriage (with track pads 600 mm)									WLC-Undercarriage (with track pads 600 mm)								
				Stick length (m)									Stick length (m)									Stick length (m)									Stick length (m)								
				without quick coupler			with quick coupler			without quick coupler			with quick coupler			without quick coupler			with quick coupler			without quick coupler			with quick coupler			without quick coupler			with quick coupler								
mm	m ³	kg	kg	2.50	2.90	3.50	2.50	2.90	3.50	2.50	2.90	3.50	2.50	2.90	3.50	2.50	2.90	3.50	2.50	2.90	3.50	2.50	2.90	3.50	2.50	2.90	3.50	2.50	2.90	3.50									
STD ¹⁾	650	0.55	580	590	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲									
	850	0.75	620	630	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲									
	1,050	0.95	700	710	▲	▲	■	▲	▲	■	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲									
	1,250	1.15	810	830	▲	■	▲	▲	■	▲	▲	■	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲									
	1,250	1.25	890	910	■	▲	■	▲	▲	▲	■	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲									
	1,400	1.35	850	880	■	▲	▲	▲	▲	▲	■	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲									
HD ²⁾	1,400	1.50	950	980	■	▲	▲	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲										
	1,500	1.65	1,020	1,030	▲	▲	–	▲	–	–	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲										
	650	0.55	640	650	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲									
	850	0.75	695	705	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲									
	1,050	0.95	790	800	▲	▲	■	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲									
	1,250	1.15	910	940	▲	■	▲	■	▲	■	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲									
1,250	1.25	1,010	1,030	■	▲	▲	▲	▲	▲	▲	■	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲										
1,400	1.35	970	990	▲	■	▲	■	▲	–	■	▲	■	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲										
1,400	1.50	1,090	1,120	■	▲	–	▲	–	–	■	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲										
1,500	1.65	1,160	1,160	▲	–	–	–	–	–	■	▲	–	▲	–	–	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲										

* 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 Z 40 ²⁾ HD bucket with teeth Z 40 ³⁾ Bucket for direct mounting ⁴⁾ Bucket for mounting to quick coupler

Other buckets available upon request

Max. material weight ▲ = ≤ 2.0 t/m³, ■ = ≤ 1.8 t/m³, ▲ = ≤ 1.65 t/m³, ■ = ≤ 1.5 t/m³, ▲ = ≤ 1.2 t/m³, – = not authorised

Lift Capacities

with Mono Boom 5.70 m, Counterweight 5.0 t and Track Pads 500 mm/600 mm

Stick 2.50 m

Under-carriage	m	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		m			
		Height	Can be slewed through 360°	Height	Can be slewed through 360°	Height	Can be slewed through 360°	Height	Can be slewed through 360°	Height	Can be slewed through 360°				
NLC ¹⁾	7.5					4.9	6.1*					5.2	6.0*	5.8	
	6.0												3.9	5.6*	7.0
	4.5			7.3	7.8*	4.8	6.7*	3.4	5.9				3.2	5.5*	7.7
	3.0			6.7	10.0*	4.5	7.6*	3.3	5.7				2.9	5.2	8.0
	1.5			6.2	11.7*	4.3	7.8	3.1	5.6				2.8	5.0	8.1
	0			6.0	12.0	4.1	7.6	3.1	5.5				2.9	5.2	7.9
	-1.5	11.1	12.0*	6.0	12.0	4.1	7.6						3.2	5.7	7.3
	-3.0	11.3	15.4*	6.1	11.1*	4.1	7.7						3.8	7.0	6.4
	-4.5			6.4	8.2*								5.9	7.5*	4.8
	SLC	7.5					5.5	6.1*						5.9	6.0*
6.0													4.3	5.6*	7.0
4.5				7.8*	7.8*	5.3	6.7*	3.8	5.9				3.7	5.5*	7.7
3.0				7.6	10.0*	5.1	7.6*	3.7	5.8				3.3	5.3	8.0
1.5				7.1	11.7*	4.8	7.9	3.6	5.7				3.2	5.1	8.1
0				6.9	12.2	4.7	7.7	3.5	5.6				3.3	5.3	7.9
-1.5		12.0*	12.0*	6.9	12.1	4.6	7.7						3.6	5.8	7.3
-3.0		13.3	15.4*	7.0	11.1*	4.7	7.8						4.4	7.1	6.4
-4.5				7.3	8.2*								6.7	7.5*	4.8
LC		7.5					5.9	6.1*						6.0*	6.0*
	6.0												4.6	5.6*	7.0
	4.5			7.8*	7.8*	5.7	6.7*	4.0	6.0				3.9	5.5*	7.7
	3.0			8.2	10.0*	5.4	7.6*	3.9	5.8				3.6	5.3	8.0
	1.5			7.7	11.7*	5.2	7.9	3.8	5.7				3.4	5.1	8.1
	0			7.5	12.2	5.0	7.8	3.7	5.6				3.5	5.3	7.9
	-1.5	12.0*	12.0*	7.4	12.2	5.0	7.7						3.9	5.8	7.3
	-3.0	14.6	15.4*	7.5	11.1*	5.1	7.8						4.7	7.2	6.4
	-4.5			7.9	8.2*								7.2	7.5*	4.8
	WLC	7.5					6.1*	6.1*						6.0*	6.0*
6.0													5.1	5.6*	7.0
4.5				7.8*	7.8*	6.3	6.7*	4.5	6.2*				4.3	5.5*	7.7
3.0				9.1	10.0*	6.0	7.6*	4.4	6.4				3.9	5.7*	8.0
1.5				8.6	11.7*	5.8	8.5*	4.2	6.2				3.8	5.6	8.1
0				8.4	12.4*	5.6	8.5	4.2	6.1				3.9	5.8	7.9
-1.5		12.0*	12.0*	8.4	12.2*	5.6	8.5						4.3	6.4	7.3
-3.0		15.4*	15.4*	8.5	11.1*	5.6	8.2*						5.2	7.5*	6.4
-4.5				8.2*	8.2*								7.5*	7.5*	4.8

Stick 2.90 m

Under-carriage	m	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		m				
		Height	Can be slewed through 360°	Height	Can be slewed through 360°	Height	Can be slewed through 360°	Height	Can be slewed through 360°	Height	Can be slewed through 360°					
NLC ¹⁾	7.5					5.0	5.6*						4.6	5.0*	6.3	
	6.0													3.5	4.7*	7.4
	4.5			7.1*	7.1*	4.8	6.2*	3.4	5.8*				3.0	4.6*	8.1	
	3.0			6.7	9.3*	4.5	7.2*	3.2	5.7				2.7	4.8*	8.4	
	1.5			6.2	11.2*	4.2	7.8	3.1	5.6				2.6	4.7	8.5	
	0			6.1*	6.1*	5.9	11.9	4.0	7.6	3.0	5.5		2.7	4.8	8.2	
	-1.5	10.8	11.3*	5.9	11.9	4.0	7.5	3.0	5.5				2.9	5.2	7.7	
	-3.0	11.0	16.3*	5.9	11.5*	4.0	7.5						3.4	6.3	6.8	
	-4.5			6.2	9.2*								4.8	7.3*	5.4	
	SLC	7.5					5.6*	5.6*						5.0*	5.0*	6.3
6.0													4.0	4.7*	7.4	
4.5				7.1*	7.1*	5.4	6.2*	3.8	5.8*				3.4	4.6*	8.1	
3.0				7.7	9.3*	5.1	7.2*	3.7	5.8				3.1	4.8*	8.4	
1.5				7.1	11.2*	4.8	7.9	3.5	5.7				3.0	4.8	8.5	
0				6.1*	6.1*	6.8	12.1	4.6	7.7	3.4	5.6		3.0	4.9	8.2	
-1.5		11.3*	11.3*	6.8	12.0	4.6	7.6	3.4	5.5				3.3	5.3	7.7	
-3.0		13.0	16.3*	6.8	11.5*	4.6	7.7						3.9	6.4	6.8	
-4.5				7.1	9.2*								5.5	7.3*	5.4	
LC		7.5					5.6*	5.6*						5.0*	5.0*	6.3
	6.0												4.2	4.7*	7.4	
	4.5			7.1*	7.1*	5.7	6.2*	4.1	5.8*				3.6	4.6*	8.1	
	3.0			8.3	9.3*	5.4	7.2*	3.9	5.8				3.3	4.8*	8.4	
	1.5			7.7	11.2*	5.2	7.9	3.8	5.7				3.2	4.8	8.5	
	0			6.1*	6.1*	7.4	12.2	5.0	7.7	3.7	5.6		3.3	4.9	8.2	
	-1.5	11.3*	11.3*	7.3	12.1	4.9	7.6	3.7	5.5				3.5	5.3	7.7	
	-3.0	14.4	16.3*	7.4	11.5*	5.0	7.7						4.2	6.4	6.8	
	-4.5			7.7	9.2*								5.9	7.3*	5.4	
	WLC	7.5					5.6*	5.6*						5.0*	5.0*	6.3
6.0													4.6	4.7*	7.4	
4.5				7.1*	7.1*	6.2*	6.2*	4.5	5.8*				4.0	4.6*	8.1	
3.0				9.2	9.3*	6.0	7.2*	4.3	6.2*				3.7	4.8*	8.4	
1.5				8.6	11.2*	5.7	8.2*	4.2	6.2				3.5	5.1*	8.5	
0				6.1*	6.1*	8.3	12.2*	5.6	8.5	4.1	6.1		3.6	5.3	8.2	
-1.5		11.3*	11.3*	8.3	12.3*	5.5	8.4	4.1	6.1				3.9	5.8	7.7	
-3.0		16.3*	16.3*	8.3	11.5*	5.5	8.4						4.7	7.0	6.8	
-4.5				8.6	9.2*								6.6	7.3*	5.4	

 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) 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 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 325 kg. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

According to European Standard, EN 474-5: In the European Union excavators have to be equipped with an overload warning device, a load diagram and automatic safety check valves on hoist cylinders and stick cylinder(s), when they are used for lifting operations which require the use of lifting accessories.

¹⁾ Values are calculated with 500 mm wide track pads for the NLC-Undercarriage

Lift Capacities

with Mono Boom 5.70 m, Counterweight 5.0 t and Track Pads 500 mm/600 mm

Stick 3.50 m

Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Max. reach			
	Height	Can be slewed through 360°	Height	Can be slewed through 360°	Height	Can be slewed through 360°	Height	Can be slewed through 360°	Height	Can be slewed through 360°	Max. reach	Max. reach		
NLC ¹⁾	7.5										3.9*	3.9*	6.9	
	6.0							3.5	4.8*			3.2	3.7*	7.9
	4.5					4.8	5.5*	3.4	5.3*			2.7	3.7*	8.5
	3.0	12.6	12.8*	6.9	8.2*	4.5	6.6*	3.2	5.8			2.5	3.8*	8.9
	1.5	6.7*	6.7*	6.3	10.4*	4.2	7.7*	3.1	5.6			2.4	4.1*	8.9
	0	7.8*	7.8*	5.9	11.8*	4.0	7.5	3.0	5.4			2.4	4.4	8.7
	-1.5	10.6	11.2*	5.7	11.7	3.9	7.4	2.9	5.4			2.6	4.7	8.2
SLC	7.5											3.9*	3.9*	6.9
	6.0							3.9	4.8*			3.6	3.7*	7.9
	4.5					5.4	5.5*	3.8	5.3*			3.1	3.7*	8.5
	3.0	12.8*	12.8*	7.8	8.2*	5.1	6.6*	3.7	5.8*			2.8	3.8*	8.9
	1.5	6.7*	6.7*	7.2	10.4*	4.8	7.7*	3.5	5.7			2.7	4.1*	8.9
	0	7.8*	7.8*	6.8	11.8*	4.6	7.7	3.4	5.5			2.7	4.4	8.7
	-1.5	11.2*	11.2*	6.6	11.9	4.5	7.5	3.3	5.4			2.9	4.8	8.2
LC	7.5											3.9*	3.9*	6.9
	6.0							4.2	4.8*			3.7*	3.7*	7.9
	4.5					5.5*	5.5*	4.1	5.3*			3.3	3.7*	8.5
	3.0	12.8*	12.8*	8.2*	8.2*	5.5	6.6*	3.9	5.8*			3.0	3.8*	8.9
	1.5	6.7*	6.7*	7.8	10.4*	5.2	7.7*	3.8	5.7			2.9	4.1*	8.9
	0	7.8*	7.8*	7.4	11.8*	4.9	7.7	3.6	5.5			2.9	4.5	8.7
	-1.5	11.2*	11.2*	7.2	12.0	4.8	7.5	3.6	5.5			3.2	4.8	8.2
WLC	7.5											3.9*	3.9*	6.9
	6.0							4.6	4.8*			3.7*	3.7*	7.9
	4.5					5.5*	5.5*	4.5	5.3*			3.6	3.7*	8.5
	3.0	12.8*	12.8*	8.2*	8.2*	6.1	6.6*	4.3	5.8*			3.3	3.8*	8.9
	1.5	6.7*	6.7*	8.7	10.4*	5.8	7.7*	4.2	6.2			3.2	4.1*	8.9
	0	7.8*	7.8*	8.3	11.8*	5.5	8.4	4.0	6.0			3.3	4.6*	8.7
	-1.5	11.2*	11.2*	8.1	12.2*	5.4	8.3	4.0	6.0			3.5	5.2	8.2
WLC	-3.0	16.2*	16.2*	8.2	11.8*	5.4	8.3					4.1	6.1	7.4
	-4.5	14.7*	14.7*	8.4	10.3*	5.5	7.4*					5.4	7.2*	6.1

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

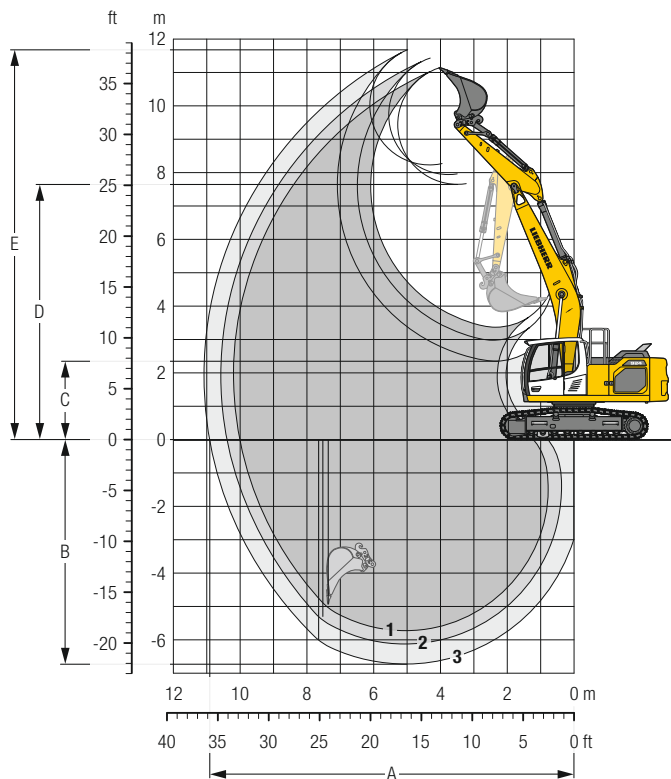
The load values are quoted in tons (t) at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 600 mm wide track pads. Indicated loads are based on ISO 10567 standard and 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 325 kg. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

According to European Standard, EN 474-5: In the European Union excavators have to be equipped with an overload warning device, a load diagram and automatic safety check valves on hoist cylinders and stick cylinder(s), when they are used for lifting operations which require the use of lifting accessories.

¹⁾ Values are calculated with 500 mm wide track pads for the NLC-Undercarriage

Backhoe Bucket

with Mono Boom Straight 5.90 m and Counterweight 5.0 t



Digging Envelope

with quick coupler		1	2	3
Stick length	m	2.50	2.90	3.50
A Max. reach at ground level	m	10.01	10.40	10.91
B Max. digging depth	m	5.73	6.13	6.73
C Min. dumping height	m	3.37	2.98	2.35
D Max. dumping height	m	7.65	7.94	8.23
E Max. cutting height	m	11.14	11.43	11.63

Forces

without quick coupler		1	2	3
Max. digging force (ISO 6015)	kN	135	122	106
Max. breakout force (ISO 6015)	kN	173	173	173
Max. digging force (SAE J1179)	kN	129	117	103
Max. breakout force (SAE J1179)	kN	151	151	151

Operating Weight and Ground Pressure

The operating weight includes the basic machine with counterweight 5.0 t, mono boom straight 5.90 m, stick 2.90 m, quick coupler SWA 48 and bucket 1.25 m³ (910 kg).

Undercarriage		NLC			SLC		
Pad width	mm	500	600	750	500	600	750
Weight	kg	23,400	23,650	23,800	23,500	23,750	23,900
Ground pressure	kg/cm ²	0.60	0.51	0.41	0.60	0.51	0.41

Undercarriage		LC			WLC		
Pad width	mm	500	600	750	500	600	750
Weight	kg	23,600	23,850	24,000	24,000	24,300	24,700
Ground pressure	kg/cm ²	0.60	0.51	0.41	0.58	0.49	0.40

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

	Cutting width mm	Capacity ISO 7451 m ³	Weight ²⁾ kg	Weight ⁴⁾ kg	NLC-Undercarriage (with track pads 500 mm)									SLC-Undercarriage (with track pads 600 mm)									LC-Undercarriage (with track pads 600 mm)									WLC-Undercarriage (with track pads 600 mm)								
					Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)																				
					without quick coupler			with quick coupler			without quick coupler			with quick coupler			without quick coupler			with quick coupler			without quick coupler			with quick coupler														
					2.50	2.90	3.50	2.50	2.90	3.50	2.50	2.90	3.50	2.50	2.90	3.50	2.50	2.90	3.50	2.50	2.90	3.50	2.50	2.90	3.50	2.50	2.90	3.50												
STD ¹⁾	650	0.55	580	590	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲															
	850	0.75	620	630	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲															
	1,050	0.95	700	710	▲	■	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲															
	1,250	1.15	810	830	■	▲	■	■	▲	▲	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲															
	1,250	1.25	890	910	▲	▲	▲	▲	▲	▲	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲														
	1,400	1.35	850	880	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	■	▲	▲	▲	▲	▲	▲														
	1,400	1.50	950	980	▲	▲	-	▲	-	-	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲														
1,500	1.65	1,020	1,030	▲	-	-	-	-	-	▲	▲	-	▲	-	-	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲															
HD ²⁾	650	0.55	640	650	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲															
	850	0.75	695	705	▲	▲	■	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲															
	1,050	0.95	790	800	▲	■	▲	■	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲															
	1,250	1.15	910	940	■	▲	▲	▲	■	▲	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲														
	1,250	1.25	1,010	1,030	▲	■	▲	■	▲	-	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲														
	1,400	1.35	970	1,190	■	▲	-	▲	-	-	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲														
	1,400	1.50	1,090	1,120	▲	-	-	-	-	-	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲														
1,500	1.65	1,160	1,160	-	-	-	-	-	-	▲	-	-	-	-	-	▲	▲	-	▲	-	-	▲	▲	▲	-															

* 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 Z 40 ²⁾ HD bucket with teeth Z 40 ³⁾ Bucket for direct mounting ⁴⁾ Bucket for mounting to quick coupler

Other buckets available upon request

Max. material weight ▲ = ≤ 2.0 t/m³, ■ = ≤ 1.8 t/m³, ▲ = ≤ 1.65 t/m³, ■ = ≤ 1.5 t/m³, ▲ = ≤ 1.2 t/m³, - = not authorised

Lift Capacities

with Mono Boom Straight 5.90 m, Counterweight 5.0 t and Track Pads 500 mm/600 mm

Stick 2.50 m

Under-carriage	m	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		m		
		↕	↔	↕	↔	↕	↔	↕	↔	↕	↔	↕	↔	
NLC ¹⁾	9.0											7.5*	7.5*	4.4
	7.5											4.6	6.1*	6.2
	6.0			7.8	7.8*	4.9	7.2*					3.5	5.6*	7.3
	4.5			7.1	9.7*	4.6	7.8*	3.3	5.8			3.0	5.2	8.0
	3.0			6.5	11.4*	4.4	8.0	3.2	5.7			2.7	4.8	8.3
	1.5			6.0	12.1	4.2	7.7	3.1	5.6			2.7	4.7	8.4
SLC	0			5.9	11.9	4.0	7.5	3.0	5.5			2.7	4.9	8.2
	-1.5	9.0*	9.0*	5.9	11.1*	4.0	7.5	3.0	5.5			3.0	5.3	7.7
	-3.0			6.1	9.1*	4.1	6.9*					3.6	5.5*	6.8
	-4.5													
	9.0											7.5*	7.5*	4.4
	7.5			7.8*	7.8*	5.5	7.2*					5.1	6.1*	6.2
6.0			8.3*	8.3*	5.4	7.2*					3.9	5.6*	7.3	
4.5			8.0	9.7*	5.2	7.8*	3.7	5.9			3.4	5.3	8.0	
3.0			7.4	11.4*	5.0	8.1	3.6	5.8			3.1	4.9	8.3	
1.5			6.9	12.2	4.7	7.8	3.5	5.6			3.0	4.8	8.4	
0			6.8	12.1	4.6	7.7	3.4	5.6			3.1	4.9	8.2	
-1.5	9.0*	9.0*	6.8	11.1*	4.6	7.6	3.5	5.6			3.4	5.4	7.7	
-3.0			7.0	9.1*	4.7	6.9*					4.0	5.5*	6.8	
-4.5														
LC	9.0											7.5*	7.5*	4.4
	7.5			7.8*	7.8*	5.8	7.2*					5.5	6.1*	6.2
	6.0			8.3*	8.3*	5.4	7.2*					4.2	5.6*	7.3
	4.5			8.6	9.7*	5.6	7.8*	4.0	5.9			3.6	5.3	8.0
	3.0			8.0	11.4*	5.3	8.1	3.9	5.8			3.3	4.9	8.3
	1.5			7.5	12.3	5.1	7.8	3.8	5.7			3.2	4.8	8.4
0			7.4	12.1	5.0	7.7	3.7	5.6			3.3	5.0	8.2	
-1.5	9.0*	9.0*	7.4	11.1*	4.9	7.7	3.7	5.6			3.6	5.4	7.7	
-3.0			7.5	9.1*	5.0	6.9*					4.3	5.5*	6.8	
-4.5														
WLC	9.0											7.5*	7.5*	4.4
	7.5			7.8*	7.8*	6.4	7.2*					6.0	6.1*	6.2
	6.0			8.3*	8.3*	6.4	7.2*					4.6	5.6*	7.3
	4.5			9.6	9.7*	6.2	7.8*	4.4	6.4			4.0	5.5*	8.0
	3.0			8.9	11.4*	5.9	8.5*	4.3	6.3			3.7	5.4	8.3
	1.5			8.4	12.4*	5.7	8.6	4.2	6.2			3.6	5.2	8.4
0			8.3	12.2*	5.5	8.4	4.1	6.1			3.7	5.4	8.2	
-1.5	9.0*	9.0*	8.3	11.1*	5.5	8.4	4.1	6.1			4.0	5.9	7.7	
-3.0			8.5	9.1*	5.6	6.9*					4.8	5.5*	6.8	
-4.5														

Stick 2.90 m

Under-carriage	m	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		m		
		↕	↔	↕	↔	↕	↔	↕	↔	↕	↔	↕	↔	
NLC ¹⁾	9.0											6.1*	6.1*	5.1
	7.5											4.0	5.1*	6.7
	6.0			7.3*	7.3*	4.9	6.7*					3.2	4.8*	7.8
	4.5	12.9*	12.9*	7.2	9.1*	4.7	7.4*	3.3	5.8			2.7	4.6*	8.4
	3.0			6.5	10.9*	4.4	8.0	3.2	5.7			2.5	4.5	8.7
	1.5			6.0	12.1	4.1	7.7	3.1	5.5			2.4	4.4	8.8
SLC	0			5.8	11.8	4.0	7.5	3.0	5.4			2.5	4.5	8.6
	-1.5	8.7*	8.7*	5.8	11.4*	3.9	7.4	3.0	5.4			2.7	4.9	8.1
	-3.0	11.1	12.3*	5.9	9.7*	4.0	7.4*					3.2	5.3*	7.3
	-4.5													
	9.0											6.1*	6.1*	5.1
	7.5			7.3*	7.3*	5.5	6.7*					4.5	5.1*	6.7
6.0			7.0*	7.0*	5.5	6.8*	3.8	6.0			3.6	4.8*	7.8	
4.5	12.9*	12.9*	8.1	9.1*	5.3	7.4*	3.7	5.9			3.1	4.6*	8.4	
3.0			7.5	10.9*	5.0	8.1	3.6	5.7			2.9	4.6	8.7	
1.5			6.9	12.2*	4.7	7.8	3.5	5.6			2.8	4.5	8.8	
0			6.7	12.0	4.5	7.6	3.4	5.5			2.8	4.6	8.6	
-1.5	8.7*	8.7*	6.7	11.4*	4.5	7.5	3.4	5.5			3.1	5.0	8.1	
-3.0	12.3*	12.3*	6.8	9.7*	4.6	7.4*					3.6	5.3*	7.3	
-4.5														
LC	9.0											6.1*	6.1*	5.1
	7.5											4.8	5.1*	6.7
	6.0			7.0*	7.0*	5.8	6.8*	4.1	6.0*			3.8	4.8*	7.8
	4.5	12.9*	12.9*	8.7	9.1*	5.6	7.4*	4.0	5.9			3.3	4.6*	8.4
	3.0			8.0	10.9*	5.3	8.1	3.9	5.8			3.1	4.6	8.7
	1.5			7.5	12.2*	5.1	7.8	3.7	5.6			3.0	4.5	8.8
0			7.3	12.0	4.9	7.6	3.6	5.5			3.1	4.6	8.6	
-1.5	8.7*	8.7*	7.3	11.4*	4.9	7.6	3.6	5.5			3.3	5.0	8.1	
-3.0	12.3*	12.3*	7.4	9.7*	4.9	7.4*					3.9	5.3*	7.3	
-4.5														
WLC	9.0											6.1*	6.1*	5.1
	7.5											5.1*	5.1*	6.7
	6.0			7.0*	7.0*	6.4	6.8*	4.5	6.0*			4.2	4.8*	7.8
	4.5	12.9*	12.9*	9.1*	9.1*	6.2	7.4*	4.4	6.4			3.7	4.6*	8.4
	3.0			9.0	10.9*	5.9	8.2*	4.3	6.3			3.4	4.7*	8.7
	1.5			8.5	12.2*	5.6	8.6	4.1	6.1			3.3	4.9	8.8
0			8.2	12.3*	5.5	8.4	4.1	6.0			3.4	5.0	8.6	
-1.5	8.7*	8.7*	8.2	11.4*	5.4	8.3	4.0	6.0			3.7	5.4	8.1	
-3.0	12.3*	12.3*	8.3	9.7*	5.5	7.4*					4.3	5.3*	7.3	
-4.5														

↕ 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) 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 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 325 kg. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

According to European Standard, EN 474-5: In the European Union excavators have to be equipped with an overload warning device, a load diagram and automatic safety check valves on hoist cylinders and stick cylinder(s), when they are used for lifting operations which require the use of lifting accessories.

¹⁾ Values are calculated with 500 mm wide track pads for the NLC-Undercarriage

Stick 3.50 m

Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Max. reach			
	Height	Can be slewed through 360°	Height	Can be slewed through 360°	Height	Can be slewed through 360°	Height	Can be slewed through 360°	Height	Can be slewed through 360°	Max. reach	Max. reach		
NLC ¹⁾	9.0				5.0	5.7*					4.5*	4.5*	5.9	
	7.5				5.0	6.0*	3.4	5.5*			3.5	3.9*	7.4	
	6.0				5.0	6.0*	3.4	5.5*			2.8	3.7*	8.3	
	4.5			7.1*	7.1*	4.7	6.9*	3.3	5.8			2.5	3.7*	8.9
	3.0			6.7	10.1*	4.4	7.7*	3.2	5.7	2.4	4.3	2.3	3.7*	9.2
	1.5			6.1	11.6*	4.1	7.7	3.0	5.5	2.3	4.2	2.2	3.9*	9.3
	0	5.4*	5.4*	5.8	11.8	3.9	7.4	2.9	5.4	2.3	4.1	2.2	4.1	9.1
	-1.5	8.9*	8.9*	5.7	11.6	3.8	7.3	2.9	5.3			2.4	4.4	8.6
	-3.0	10.7	13.8*	5.7	10.5*	3.8	7.4	2.9	5.4			2.7	5.0	7.9
	-4.5			5.9	7.9*	4.0	5.8*					3.5	4.7*	6.7
SLC	9.0				5.6	5.7*					4.5*	4.5*	5.9	
	7.5				5.6	6.0*	3.9	5.5*			3.9*	3.9*	7.4	
	6.0				5.6	6.0*	3.9	5.5*			3.2	3.7*	8.3	
	4.5			7.1*	7.1*	5.3	6.9*	3.8	5.9			2.8	3.7*	8.9
	3.0			7.6	10.1*	5.0	7.7*	3.6	5.7	2.7	4.3	2.6	3.7*	9.2
	1.5			7.0	11.6*	4.7	7.8	3.4	5.6	2.6	4.3	2.5	3.9*	9.3
	0	5.4*	5.4*	6.7	11.9	4.5	7.6	3.3	5.4	2.6	4.2	2.6	4.1	9.1
	-1.5	8.9*	8.9*	6.6	11.8*	4.4	7.4	3.3	5.4			2.7	4.5	8.6
	-3.0	12.7	13.8*	6.6	10.5*	4.4	7.5	3.3	5.4			3.1	5.1	7.9
	-4.5			6.8	7.9*	4.6	5.8*					4.0	4.7*	6.7
LC	9.0				5.7*	5.7*					4.5*	4.5*	5.9	
	7.5				5.9	6.0*	4.1	5.5*			3.9*	3.9*	7.4	
	6.0				5.9	6.0*	4.1	5.5*			3.4	3.7*	8.3	
	4.5			7.1*	7.1*	5.7	6.9*	4.0	5.9			3.0	3.7*	8.9
	3.0			8.2	10.1*	5.4	7.7*	3.9	5.8	2.9	4.3	2.8	3.7*	9.2
	1.5			7.6	11.6*	5.1	7.8	3.7	5.6	2.8	4.3	2.7	3.9*	9.3
	0	5.4*	5.4*	7.2	12.0	4.8	7.6	3.6	5.5	2.8	4.2	2.7	4.2	9.1
	-1.5	8.9*	8.9*	7.1	11.8*	4.8	7.5	3.5	5.4			2.9	4.5	8.6
	-3.0	13.8*	13.8*	7.2	10.5*	4.8	7.5	3.6	5.5			3.4	5.1	7.9
	-4.5			7.4	7.9*	4.9	5.8*					4.3	4.7*	6.7
WLC	9.0				5.7*	5.7*					4.5*	4.5*	5.9	
	7.5				6.0*	6.0*	4.5	5.5*			3.9*	3.9*	7.4	
	6.0				6.0*	6.0*	4.5	5.5*			3.7*	3.7*	8.3	
	4.5			7.1*	7.1*	6.3	6.9*	4.4	6.1*			3.3	3.7*	8.9
	3.0			9.2	10.1*	6.0	7.7*	4.3	6.3	3.2	4.7	3.1	3.7*	9.2
	1.5			8.5	11.6*	5.6	8.5*	4.1	6.1	3.2	4.7	3.0	3.9*	9.3
	0	5.4*	5.4*	8.2	12.2*	5.4	8.3	4.0	6.0	3.1	4.6	3.1	4.3*	9.1
	-1.5	8.9*	8.9*	8.1	11.8*	5.3	8.2	3.9	5.9			3.3	4.9	8.6
	-3.0	13.8*	13.8*	8.1	10.5*	5.3	7.9*	4.0	5.9*			3.8	5.3*	7.9
	-4.5			7.9*	7.9*	5.5	5.8*					4.7*	4.7*	6.7

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

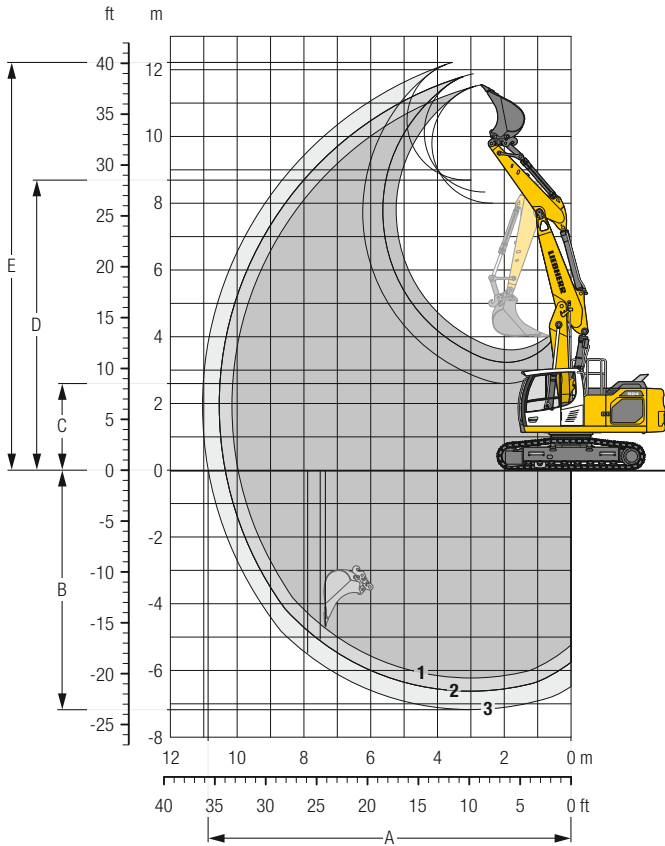
The load values are quoted in tons (t) at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 600 mm wide track pads. Indicated loads are based on ISO 10567 standard and 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 325 kg. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

According to European Standard, EN 474-5: In the European Union excavators have to be equipped with an overload warning device, a load diagram and automatic safety check valves on hoist cylinders and stick cylinder(s), when they are used for lifting operations which require the use of lifting accessories.

¹⁾ Values are calculated with 500 mm wide track pads for the NLC-Undercarriage

Backhoe Bucket

with Two-Piece Boom 5.90 m and Counterweight 5.0 t



Digging Envelope

with quick coupler		1	2	3
Stick length	m	2.50	2.90	3.50
A Max. reach at ground level	m	9.97	10.36	10.87
B Max. digging depth	m	6.23	6.62	7.17
C Min. dumping height	m	3.61	3.23	2.60
D Max. dumping height	m	8.00	8.33	8.69
E Max. cutting height	m	11.55	11.88	12.22

Forces

without quick coupler		1	2	3
Max. digging force (ISO 6015)	kN	135	122	106
Max. breakout force (ISO 6015)	kN	173	173	173
Max. digging force (SAE J1179)	kN	129	117	103
Max. breakout force (SAE J1179)	kN	151	151	151

Operating Weight and Ground Pressure

The operating weight includes the basic machine with counterweight 5.0 t, two-piece boom 5.90 m, stick 2.90 m, quick coupler SWA 48 and bucket 1.25 m³ (910 kg).

Undercarriage		NLC			SLC		
Pad width	mm	500	600	750	500	600	750
Weight	kg	24,100	24,350	24,500	24,200	24,450	24,600
Ground pressure	kg/cm ²	0.62	0.52	0.42	0.62	0.52	0.42

Undercarriage		LC			WLC		
Pad width	mm	500	600	750	500	600	750
Weight	kg	24,300	24,550	24,700	24,700	25,000	25,400
Ground pressure	kg/cm ²	0.62	0.52	0.42	0.60	0.51	0.41

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

	Cutting width mm	Capacity ISO 7451 m ³	Weight ³⁾ kg	Weight ⁴⁾ kg	NLC-Undercarriage (with track pads 500 mm)									SLC-Undercarriage (with track pads 600 mm)									LC-Undercarriage (with track pads 600 mm)									WLC-Undercarriage (with track pads 600 mm)								
					Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)																	
					without quick coupler	with quick coupler		without quick coupler	with quick coupler		without quick coupler	with quick coupler		without quick coupler	with quick coupler		without quick coupler	with quick coupler		without quick coupler	with quick coupler																			
2.50	2.90	3.50	2.50	2.90	3.50	2.50	2.90	3.50	2.50	2.90	3.50	2.50	2.90	3.50	2.50	2.90	3.50	2.50	2.90	3.50	2.50	2.90	3.50																	
STD ¹⁾	650	0.55	580	590	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲														
	850	0.75	620	630	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲														
	1,050	0.95	700	710	▲	■	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲														
	1,250	1.15	810	830	■	▲	■	■	■	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲														
	1,250	1.25	890	910	▲	▲	▲	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲														
HD ²⁾	1,400	1.35	850	880	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲														
	1,400	1.50	950	980	▲	▲	–	▲	–	–	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲														
	1,500	1.65	1,020	1,030	▲	–	–	–	–	–	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲														
	650	0.55	640	650	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲														
	850	0.75	695	705	▲	▲	■	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲														
HD ²⁾	1,050	0.95	790	800	▲	■	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲														
	1,250	1.15	910	940	■	▲	▲	▲	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲														
	1,250	1.25	1,010	1,030	▲	▲	▲	■	▲	–	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲														
	1,400	1.35	970	990	■	▲	–	▲	–	–	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲														
	1,400	1.50	1,090	1,120	▲	–	–	–	–	–	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲														
1,500	1.65	1,160	1,160	–	–	–	–	–	–	▲	–	–	–	–	–	▲	▲	–	▲	–	–	▲	■	▲	–															

* 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 Z 40 ²⁾ HD bucket with teeth Z 40 ³⁾ Bucket for direct mounting ⁴⁾ Bucket for mounting to quick coupler
 Other buckets available upon request

Max. material weight ▲ = ≤ 2.0 t/m³, ■ = ≤ 1.8 t/m³, ▲ = ≤ 1.65 t/m³, ▲ = ≤ 1.5 t/m³, ▲ = ≤ 1.2 t/m³, – = not authorised

Lift Capacities

with Two-Piece Boom 5.90 m, Counterweight 5.0 t and Track Pads 500 mm/600 mm

Stick 2.50 m

Under-carriage	m	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		m
NLC ¹⁾	9.0											7.5* 7.5* 4.3
	7.5											4.6 6.1* 6.2
	6.0	7.8*	7.8*									3.5 5.6* 7.3
	4.5	13.6	15.8*	7.7	10.7*	5.1	8.3	3.3	5.9			3.0 5.3 8.0
	3.0	13.2	15.8*	7.4	12.0*	4.8	8.2	3.3	5.8			2.7 4.9 8.3
	1.5	11.8	17.4*	6.7	12.2	4.5	8.1	3.1	5.7			2.6 4.7 8.4
	0	11.2	18.8*	6.3	12.3	4.3	7.9	3.0	5.5			2.7 4.9 8.1
	-1.5	11.0	19.1*	6.1	12.3	4.1	7.7	3.0	5.5			2.9 5.1* 7.6
	-3.0	11.2	17.5*	6.1	11.6*	4.1	7.1*					3.6 4.5* 6.6
	-4.5											
SLC	9.0											7.5* 7.5* 4.3
	7.5											5.2 6.1* 6.2
	6.0	7.8*	7.8*									3.9 5.6* 7.3
	4.5	15.4	15.8*	8.5	10.7*	5.7	8.4*	3.8	6.0			3.4 5.4 8.0
	3.0	14.8	15.8*	8.3	12.0*	5.4	8.3	3.7	5.9			3.1 4.9 8.3
	1.5	13.9	17.4*	7.7	12.3	5.1	8.2	3.6	5.8			3.0 4.8 8.4
	0	13.2	18.8*	7.2	12.3	4.9	8.0	3.4	5.6			3.0 5.0 8.1
	-1.5	13.1	19.1*	7.0	12.4	4.7	7.8	3.4	5.6			3.3 5.1* 7.6
	-3.0	13.2	17.5*	7.0	11.6*	4.6	7.1*					4.1 4.5* 6.6
	-4.5											
LC	9.0											7.5* 7.5* 4.3
	7.5											5.6 6.1* 6.2
	6.0	7.8*	7.8*									4.2 5.6* 7.3
	4.5	15.8*	15.8*	9.0	10.7*	6.0	8.4*	4.0	6.0			3.6 5.4 8.0
	3.0	15.8*	15.8*	8.8	12.0*	5.8	8.3	4.0	5.9			3.3 5.0 8.3
	1.5	15.3	17.4*	8.3	12.3	5.5	8.2	3.8	5.8			3.2 4.8 8.4
	0	14.6	18.8*	7.8	12.3*	5.2	8.1	3.7	5.6			3.3 5.0 8.1
	-1.5	14.4	19.1*	7.6	12.5*	5.1	7.9	3.7	5.6			3.6 5.1* 7.6
	-3.0	14.6	17.5*	7.6	11.6*	5.0	7.1*					4.4 4.5* 6.6
	-4.5											
WLC	9.0											7.5* 7.5* 4.3
	7.5											6.1* 6.1* 6.2
	6.0	7.8*	7.8*	8.4*	8.4*	6.5	8.9*	6.6	8.0*			4.7 5.6* 7.3
	4.5	15.8*	15.8*	9.8	10.7*	6.6	8.4*	4.5	6.5			4.0 5.5* 8.0
	3.0	15.8*	15.8*	9.6	12.0*	6.4	8.9*	4.4	6.4			3.7 5.4 8.3
	1.5	17.4*	17.4*	9.3	12.3*	6.1	8.8	4.3	6.3			3.6 5.3 8.4
	0	16.9	18.8*	8.8	12.3*	5.8	8.8	4.1	6.2			3.7 5.4 8.1
	-1.5	16.7	19.1*	8.6	12.5*	5.6	8.6	4.1	5.7*			4.0 5.1* 7.6
	-3.0	16.9	17.5*	8.6	11.6*	5.6	7.1*					4.5* 4.5* 6.6
	-4.5											

Stick 2.90 m

Under-carriage	m	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		m
NLC ¹⁾	9.0											6.0* 6.0* 5.0
	7.5											4.1 5.1* 6.7
	6.0											3.2 4.7* 7.7
	4.5	13.8	14.5*	7.7	10.1*	5.1	8.1*	3.4	5.9			2.7 4.6* 8.3
	3.0	13.2	15.8*	7.5	11.6*	4.9	8.1	3.3	5.9			2.5 4.5 8.7
	1.5	12.1	16.9*	6.8	12.2	4.5	8.1	3.2	5.7			2.4 4.4 8.7
	0	11.2	18.7*	6.3	12.1	4.3	7.9	3.0	5.5			2.4 4.5 8.5
	-1.5	10.9	19.2*	6.0	12.2	4.1	7.7	2.9	5.4			2.7 4.9 8.0
	-3.0	11.0	18.1*	6.0	12.0*	4.0	7.6					3.1 4.0* 7.2
	-4.5	11.4	13.6*	6.1	7.7*							5.3 6.3* 4.9
SLC	9.0											6.0* 6.0* 5.0
	7.5											4.6 5.1* 6.7
	6.0											3.6 4.7* 7.7
	4.5	14.5*	14.5*	8.5	10.1*	5.7	8.1*	3.8	6.0			3.1 4.6* 8.3
	3.0	14.8	15.8*	8.3	11.6*	5.5	8.2	3.8	5.9			2.8 4.6 8.7
	1.5	14.2	16.9*	7.8	12.2*	5.1	8.1	3.6	5.8			2.7 4.5 8.7
	0	13.3	18.7*	7.2	12.2	4.9	8.0	3.4	5.6			2.8 4.6 8.5
	-1.5	13.0	19.2*	7.0	12.3*	4.7	7.8	3.3	5.5			3.0 4.9* 8.0
	-3.0	13.0	18.1*	6.9	12.0*	4.6	7.7					3.6 4.0* 7.2
	-4.5	13.4	13.6*	7.0	7.7*							6.1 6.3* 4.9
LC	9.0											6.0* 6.0* 5.0
	7.5											4.9 5.1* 6.7
	6.0											3.8 4.7* 7.7
	4.5	14.5*	14.5*	9.0	10.1*	6.0	8.1*	4.1	6.0			3.3 4.6* 8.3
	3.0	15.8*	15.8*	8.8	11.6*	5.8	8.2	4.0	6.0			3.0 4.6 8.7
	1.5	15.6	16.9*	8.4	12.2*	5.5	8.2	3.9	5.8			3.0 4.5 8.7
	0	14.6	18.7*	7.8	12.2	5.2	8.1	3.7	5.6			3.0 4.6 8.5
	-1.5	14.3	19.2*	7.5	12.3*	5.1	7.9	3.6	5.5			3.3 4.9* 8.0
	-3.0	14.4	18.1*	7.5	12.0*	4.9	7.7					3.9 4.0* 7.2
	-4.5	13.6*	13.6*	7.6	7.7*							6.3* 6.3* 4.9
WLC	9.0											6.0* 6.0* 5.0
	7.5											5.1* 5.1* 6.7
	6.0											4.2 4.7* 7.7
	4.5	14.5*	14.5*	9.8	10.1*	6.5	8.1*	4.5	6.5			3.7 4.6* 8.3
	3.0	15.8*	15.8*	9.5	11.6*	6.4	8.6*	4.4	6.5			3.4 4.7* 8.7
	1.5	16.9*	16.9*	9.3	12.2*	6.1	8.7	4.3	6.3			3.3 4.9 8.7
	0	16.9	18.7*	8.8	12.2*	5.8	8.7	4.1	6.2			3.4 5.0 8.5
	-1.5	16.6	19.2*	8.5	12.3*	5.6	8.6	4.0	6.1			3.7 4.9* 8.0
	-3.0	16.6	18.1*	8.5	12.0*	5.5	8.0*					4.0* 4.0* 7.2
	-4.5	13.6*	13.6*	7.7*	7.7*							6.3* 6.3* 4.9

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) 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 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 325 kg. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

According to European Standard, EN 474-5: In the European Union excavators have to be equipped with an overload warning device, a load diagram and automatic safety check valves on hoist cylinders and stick cylinder(s), when they are used for lifting operations which require the use of lifting accessories.



¹⁾ Values are calculated with 500 mm wide track pads for the NLC-Undercarriage

Lift Capacities

with Two-Piece Boom 5.90 m, Counterweight 5.0 t and Track Pads 500 mm/600 mm

Stick 3.50 m

Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Max. reach			
	Height	Can be slewed through 360°	Height	Can be slewed through 360°	Height	Can be slewed through 360°	Height	Can be slewed through 360°	Height	Can be slewed through 360°	Max. reach	Max. reach		
NLC ¹⁾	9.0		6.0*	6.0*							4.5*	4.5*	5.8	
	7.5		5.6*	5.6*	5.2	5.7*					3.5	3.9*	7.3	
	6.0		5.8*	5.8*	5.2	6.0*	3.5	5.4*			2.8	3.7*	8.3	
	4.5	7.0*	7.0*	7.6*	7.6*	5.2	7.2*	3.5	6.0			2.4	3.7*	8.9
	3.0	13.2	16.7*	7.4	10.9*	4.9	8.1	3.4	5.9	2.3	4.3	2.2	3.7*	9.2
	1.5	12.7	16.6*	7.0	12.0*	4.6	8.0	3.2	5.8	2.3	4.2	2.2	4.0*	9.2
	0	11.4	18.0*	6.4	12.0	4.3	7.9	3.0	5.6	2.2	4.1	2.2	4.1	9.0
	-1.5	10.9	19.0*	6.0	12.1	4.1	7.7	2.9	5.4			2.3	4.4	8.6
	-3.0	10.8	18.7*	5.9	12.1	3.9	7.5	2.8	5.3*			2.7	4.2*	7.8
	-4.5	11.1	16.2*	5.9	9.9*	3.9	5.4*					3.8	4.7*	6.2
SLC	9.0		6.0*	6.0*							4.5*	4.5*	5.8	
	7.5		5.6*	5.6*	5.7*	5.7*					3.9*	3.9*	7.3	
	6.0		5.8*	5.8*	5.8	6.0*	3.9	5.4*			3.2	3.7*	8.3	
	4.5	7.0*	7.0*	7.6*	7.6*	5.7	7.2*	3.9	6.0			2.8	3.7*	8.9
	3.0	14.9	16.7*	8.2	10.9*	5.6	8.2	3.8	6.0	2.7	4.3	2.6	3.7*	9.2
	1.5	14.5	16.6*	7.9	12.0*	5.2	8.1	3.7	5.8	2.6	4.3	2.5	4.0*	9.2
	0	13.5	18.0*	7.3	12.1	4.9	8.1	3.5	5.7	2.5	4.2	2.5	4.2	9.0
	-1.5	12.9	19.0*	6.9	12.1*	4.6	7.8	3.3	5.5			2.7	4.5	8.6
	-3.0	12.8	18.7*	6.8	12.2*	4.5	7.6	3.3	5.3*			3.1	4.2*	7.8
	-4.5	13.1	16.2*	6.8	9.9*	4.5	5.4*					4.3	4.7*	6.2
LC	9.0		6.0*	6.0*							4.5*	4.5*	5.8	
	7.5		5.6*	5.6*	5.7*	5.7*					3.9*	3.9*	7.3	
	6.0		5.8*	5.8*	6.0*	6.0*	4.2	5.4*			3.4	3.7*	8.3	
	4.5	7.0*	7.0*	7.6*	7.6*	6.0	7.2*	4.2	6.1			3.0	3.7*	8.9
	3.0	16.0	16.7*	8.7	10.9*	5.9	8.2	4.1	6.0	2.9	4.3	2.8	3.7*	9.2
	1.5	15.6	16.6*	8.6	12.0*	5.6	8.1	3.9	5.9	2.8	4.3	2.7	4.0*	9.2
	0	14.8	18.0*	7.9	12.1	5.2	8.1	3.7	5.7	2.7	4.2	2.7	4.2	9.0
	-1.5	14.3	19.0*	7.5	12.1*	5.0	7.8	3.6	5.5			2.9	4.5	8.6
	-3.0	14.2	18.7*	7.4	12.2*	4.8	7.6	3.5	5.3*			3.4	4.2*	7.8
	-4.5	14.5	16.2*	7.4	9.9*	4.9	5.4*					4.7	4.7*	6.2
WLC	9.0		6.0*	6.0*							4.5*	4.5*	5.8	
	7.5		5.6*	5.6*	5.7*	5.7*					3.9*	3.9*	7.3	
	6.0		5.8*	5.8*	6.0*	6.0*	4.6	5.4*			3.7*	3.7*	8.3	
	4.5	7.0*	7.0*	7.6*	7.6*	6.5	7.2*	4.6	6.4*			3.3	3.7*	8.9
	3.0	16.7*	16.7*	9.5	10.9*	6.4	8.3*	4.5	6.4	3.2	4.6*	3.1	3.7*	9.2
	1.5	16.6*	16.6*	9.3	12.0*	6.2	8.7	4.4	6.4	3.1	4.7	3.0	4.0*	9.2
	0	17.1	18.0*	8.9	12.1*	5.8	8.6	4.1	6.2	3.1	4.6	3.0	4.3*	9.0
	-1.5	16.5	19.0*	8.5	12.1*	5.6	8.6	4.0	6.0			3.3	4.8*	8.6
	-3.0	16.4	18.7*	8.3	12.2*	5.4	8.4	3.9	5.3*			3.8	4.2*	7.8
	-4.5	16.2*	16.2*	8.4	9.9*	5.4*	5.4*					4.7*	4.7*	6.2

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

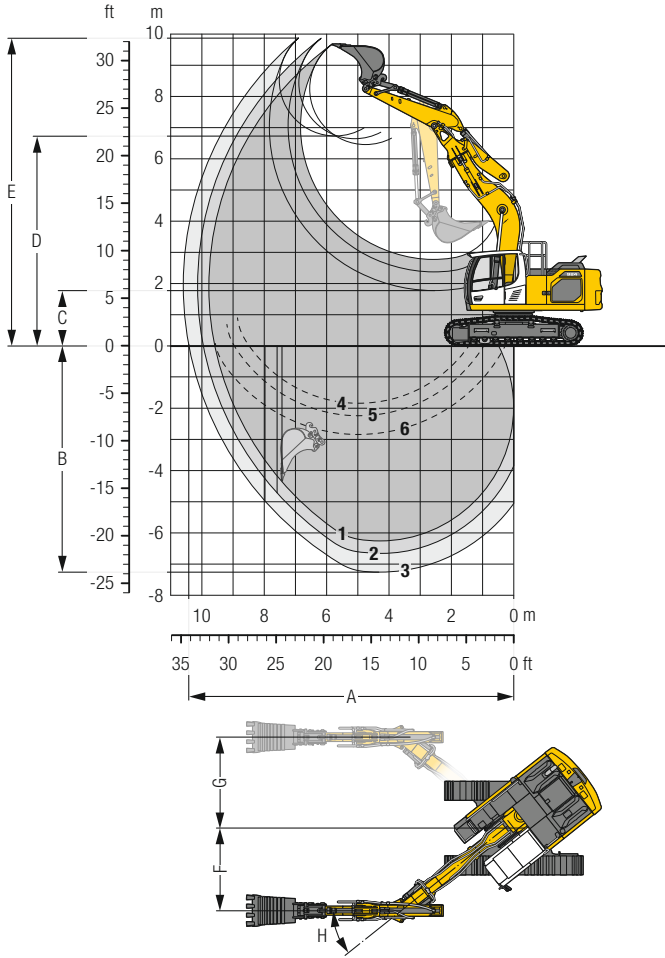
The load values are quoted in tons (t) at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 600 mm wide track pads with adjusting cylinder in optimal position. Indicated 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 325 kg. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

According to European Standard, EN 474-5: In the European Union excavators have to be equipped with an overload warning device, a load diagram and automatic safety check valves on hoist cylinders and stick cylinder(s), when they are used for lifting operations which require the use of lifting accessories.

¹⁾ Values are calculated with 500 mm wide track pads for the NLC-Undercarriage

Backhoe Bucket

with Mono Boom Offset 5.65 m and Counterweight 5.0 t



Digging Envelope

with quick coupler		1	2	3
Stick length	m	2.50	2.90	3.50
A Max. reach at ground level	m	9.58	9.95	10.42
B Max. digging depth	m	6.26	6.66	7.26
C Min. dumping height	m	2.77	2.37	1.77
D Max. dumping height	m	6.45	6.64	6.72
E Max. cutting height	m	9.66	9.85	9.87
F Max. offset right	m	2.92		
G Max. offset left	m	2.92		
H Max. offset angle	°	38.5		

- 1 with stick 2.50 m
- 2 with stick 2.90 m
- 3 with stick 3.50 m
- with set straight boom
- 4 with stick 2.50 m
- 5 with stick 2.90 m
- 6 with stick 3.50 m
- at max. equipment offset with vertical ditch walls

Forces

without quick coupler		1	2	3
Max. digging force (ISO 6015)	kN	135	122	106
Max. breakout force (ISO 6015)	kN	173	173	173
Max. digging force (SAE J1179)	kN	129	117	103
Max. breakout force (SAE J1179)	kN	151	151	151

Operating Weight and Ground Pressure

The operating weight includes the basic machine with counterweight 5.0 t, mono boom offset 5.65 m, stick 2.90 m, quick coupler SWA 48 and bucket 1.25 m³ (910 kg).

Undercarriage		NLC			SLC		
Pad width	mm	500	600	750	500	600	750
Weight	kg	24,300	24,550	24,700	24,400	24,650	24,800
Ground pressure	kg/cm ²	0.62	0.52	0.42	0.62	0.52	0.42

Undercarriage		LC			WLC		
Pad width	mm	500	600	750	500	600	750
Weight	kg	24,500	24,750	24,900	24,900	25,200	25,600
Ground pressure	kg/cm ²	0.62	0.52	0.42	0.60	0.51	0.41

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

	Cutting width mm	Capacity ISO 7451 m ³	Weight ⁽³⁾ kg	Weight ⁽⁴⁾ kg	NLC-Undercarriage (with track pads 500 mm)			SLC-Undercarriage (with track pads 600 mm)			LC-Undercarriage (with track pads 600 mm)			WLC-Undercarriage (with track pads 600 mm)			
					Stick length (m)			Stick length (m)			Stick length (m)			Stick length (m)			
					without quick coupler	with quick coupler	with quick coupler	without quick coupler	with quick coupler	with quick coupler	without quick coupler	with quick coupler	with quick coupler	without quick coupler	with quick coupler	with quick coupler	
STD ⁽¹⁾	850	0.75	620	630	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,050	0.95	700	710	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,250	1.15	810	830	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,250	1.25	890	910	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,400	1.35	850	880	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
HD ⁽²⁾	1,400	1.50	950	980	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,500	1.65	1,020	1,030	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	850	0.75	695	705	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,050	0.95	790	800	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,250	1.15	910	940	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲

* 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 Z 40 ⁽²⁾ HD bucket with teeth Z 40 ⁽³⁾ Bucket for direct mounting ⁽⁴⁾ Bucket for mounting to quick coupler
Other buckets available upon request

Max. material weight ▲ = ≤ 2.0 t/m³, ■ = ≤ 1.8 t/m³, ▲ = ≤ 1.65 t/m³, ■ = ≤ 1.5 t/m³, △ = ≤ 1.2 t/m³, - = not authorised

Lift Capacities

with Mono Boom Offset 5.65 m, Counterweight 5.0 t and Track Pads 500 mm/600 mm

Stick 2.50 m

Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Max. reach			
	m	Icon	m	Icon	m	Icon	m	Icon	m	Icon	m	Icon		
NLC ¹⁾	7.5				4.8	6.2*					5.3	5.9*	5.6	
	6.0										3.8	5.5*	6.8	
	4.5	11.2*	11.2*	7.1	8.0*	4.5	6.7*	3.1	5.7			3.1	5.5*	7.5
	3.0			6.3	9.8*	4.2	7.5*	3.0	5.5			2.7	5.1	7.9
	1.5			5.6	11.3*	3.9	7.5	2.8	5.4			2.6	4.9	8.0
	0	5.9*	5.9*	5.4	11.4	3.7	7.2	2.7	5.2			2.6	5.0	7.8
	-1.5	10.0	13.0*	5.3	11.3*	3.6	7.2					2.9	5.5	7.2
	-3.0	10.3	13.4*	5.5	9.9*	3.7	7.3*					3.6	6.9*	6.2
	-4.5													
	SLC	7.5										5.9*	5.9*	5.6
6.0						5.4	6.2*				4.3	5.5*	6.8	
4.5		11.2*	11.2*	8.0*	8.0*	5.1	6.7*	3.5	5.7			3.5	5.5*	7.5
3.0				7.2	9.8*	4.8	7.5*	3.4	5.6			3.1	5.1	7.9
1.5				6.6	11.3*	4.5	7.6	3.3	5.4			3.0	5.0	8.0
0		5.9*	5.9*	6.3	11.6	4.3	7.4	3.2	5.3			3.0	5.1	7.8
-1.5		12.0	13.0*	6.2	11.3*	4.2	7.3					3.3	5.6	7.2
-3.0		12.3	13.4*	6.4	9.9*	4.3	7.3*					4.1	6.9*	6.2
-4.5														
LC		7.5										5.9*	5.9*	5.6
	6.0					5.8	6.2*				4.6	5.5*	6.8	
	4.5	11.2*	11.2*	8.0*	8.0*	5.5	6.7*	3.8	5.8			3.8	5.5*	7.5
	3.0			7.8	9.8*	5.2	7.5*	3.7	5.6			3.4	5.2	7.9
	1.5			7.1	11.3*	4.8	7.6	3.5	5.5			3.2	5.0	8.0
	0	5.9*	5.9*	6.8	11.6	4.6	7.4	3.4	5.3			3.3	5.1	7.8
	-1.5	13.0*	13.0*	6.8	11.3*	4.6	7.3					3.6	5.7	7.2
	-3.0	13.4*	13.4*	7.0	9.9*	4.7	7.3*					4.5	6.9*	6.2
	-4.5													
	WLC	7.5										5.9*	5.9*	5.6
6.0						6.2*	6.2*				5.1	5.5*	6.8	
4.5		11.2*	11.2*	8.0*	8.0*	6.1	6.7*	4.2	5.9*			4.2	5.5*	7.5
3.0				8.8	9.8*	5.8	7.5*	4.1	6.1			3.8	5.6	7.9
1.5				8.1	11.3*	5.4	8.2*	3.9	6.0			3.6	5.4	8.0
0		5.9*	5.9*	7.8	11.7*	5.2	8.1	3.8	5.9			3.7	5.6	7.8
-1.5		13.0*	13.0*	7.7	11.3*	5.1	8.1					4.1	6.2	7.2
-3.0		13.4*	13.4*	7.9	9.9*	5.3	7.3*					5.0	6.9*	6.2
-4.5														

Stick 2.90 m

Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Max. reach			
	m	Icon	m	Icon	m	Icon	m	Icon	m	Icon	m	Icon		
NLC ¹⁾	7.5										4.9	5.4*	6.1	
	6.0										4.9	5.7*	7.3	
	4.5			7.3	7.4*	4.6	6.3*	3.1	5.7			2.8	4.7*	7.9
	3.0			6.4	9.2*	4.2	7.1*	3.0	5.5			2.5	4.7	8.3
	1.5			5.7	10.9*	3.9	7.5	2.8	5.3			2.4	4.5	8.3
	0	7.1*	7.1*	5.3	11.4	3.6	7.2	2.7	5.2			2.4	4.6	8.1
	-1.5	9.7	12.2*	5.2	11.2	3.5	7.1	2.7	5.2			2.6	5.1	7.6
	-3.0	10.0	14.4*	5.3	10.4*	3.6	7.2					3.2	6.1	6.7
	-4.5	10.6	10.7*	5.7	7.8*							4.7	6.4*	5.2
	SLC	7.5										5.4*	5.4*	6.1
6.0						5.5	5.7*				3.9	4.7*	7.3	
4.5				7.4*	7.4*	5.2	6.3*	3.6	5.8*			3.2	4.7*	7.9
3.0				7.4	9.2*	4.8	7.1*	3.4	5.6			2.9	4.8	8.3
1.5				6.6	10.9*	4.5	7.6	3.2	5.4			2.8	4.6	8.3
0		7.1*	7.1*	6.2	11.5	4.2	7.3	3.1	5.3			2.8	4.7	8.1
-1.5		11.7	12.2*	6.1	11.4	4.1	7.2	3.1	5.2			3.0	5.2	7.6
-3.0		12.0	14.4*	6.2	10.4*	4.2	7.3					3.7	6.2	6.7
-4.5		10.7*	10.7*	6.6	7.8*							5.4	6.4*	5.2
LC		7.5										5.4*	5.4*	6.1
	6.0					5.7*	5.7*				4.2	4.7*	7.3	
	4.5			7.4*	7.4*	5.6	6.3*	3.8	5.8*			3.5	4.7*	7.9
	3.0			8.0	9.2*	5.2	7.1*	3.7	5.6			3.1	4.8	8.3
	1.5			7.2	10.9*	4.8	7.6	3.5	5.4			3.0	4.6	8.3
	0	7.1*	7.1*	6.8	11.6	4.6	7.3	3.4	5.3			3.0	4.7	8.1
	-1.5	12.2*	12.2*	6.7	11.4*	4.5	7.2	3.3	5.3			3.3	5.2	7.6
	-3.0	13.3	14.4*	6.8	10.4*	4.5	7.3					4.0	6.3	6.7
	-4.5	10.7*	10.7*	7.2	7.8*							5.8	6.4*	5.2
	WLC	7.5										5.4*	5.4*	6.1
6.0						5.7*	5.7*				4.6	4.7*	7.3	
4.5				7.4*	7.4*	6.2	6.3*	4.3	5.8*			3.9	4.7*	7.9
3.0				8.9	9.2*	5.8	7.1*	4.1	6.1*			3.5	4.8*	8.3
1.5				8.1	10.9*	5.4	8.0*	3.9	6.0			3.3	5.1	8.3
0		7.1*	7.1*	7.7	11.6*	5.2	8.1	3.8	5.8			3.4	5.2	8.1
-1.5		12.2*	12.2*	7.6	11.4*	5.1	8.0	3.8	5.8			3.7	5.7	7.6
-3.0		14.4*	14.4*	7.7	10.4*	5.1	7.7*					4.4	6.6*	6.7
-4.5		10.7*	10.7*	7.8*	7.8*							6.4*	6.4*	5.2

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) 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 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 325 kg. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

According to European Standard, EN 474-5: In the European Union excavators have to be equipped with an overload warning device, a load diagram and automatic safety check valves on hoist cylinders and stick cylinder(s), when they are used for lifting operations which require the use of lifting accessories.

¹⁾ Values are calculated with 500 mm wide track pads for the NLC-Undercarriage

Stick 3.50 m

Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Max. reach			
	Height	Can be slewed through 360°	Height	Can be slewed through 360°	Height	Can be slewed through 360°	Height	Can be slewed through 360°	Height	Can be slewed through 360°	Max. reach	Max. reach		
NLC ¹⁾	7.5				5.0	5.1*	3.3	4.4*			3.8*	3.8*	6.7	
	6.0				4.7	5.7*	3.2	5.3*			3.1	3.7*	7.8	
	4.5										2.6	3.7*	8.4	
	3.0	12.3	12.8*	6.7	8.3*	4.3	6.6*	3.0	5.6			2.3	3.9*	8.7
	1.5	7.9*	7.9*	5.8	10.2*	3.9	7.5*	2.8	5.3			2.2	4.2*	8.8
	0	8.6*	8.6*	5.3	11.3*	3.6	7.2	2.6	5.2			2.2	4.2	8.6
	-1.5	9.5	11.9*	5.1	11.1	3.5	7.0	2.6	5.1			2.3	4.6	8.1
	-3.0	9.7	15.6*	5.1	10.8*	3.5	7.0					2.7	5.3	7.3
-4.5	10.1	12.6*	5.4	9.0*							3.7	6.5*	5.9	
SLC	7.5				5.1*	5.1*	3.8	4.4*			3.8*	3.8*	6.7	
	6.0				5.3	5.7*	3.6	5.3*			3.5	3.7*	7.8	
	4.5				4.9	6.6*	3.5	5.7			3.0	3.7*	8.4	
	3.0	12.8*	12.8*	7.6	8.3*	4.9	6.6*	3.5	5.7			2.7	3.9*	8.7
	1.5	7.9*	7.9*	6.8	10.2*	4.5	7.5*	3.2	5.4			2.5	4.2*	8.8
	0	8.6*	8.6*	6.2	11.3*	4.2	7.3	3.1	5.2			2.5	4.3	8.6
	-1.5	11.4	11.9*	6.0	11.3	4.0	7.1	3.0	5.1			2.7	4.6	8.1
	-3.0	11.6	15.6*	6.1	10.8*	4.0	7.1					3.2	5.4	7.3
-4.5	12.1	12.6*	6.3	9.0*							4.3	6.5*	5.9	
LC	7.5				5.1*	5.1*	4.0	4.4*			3.8*	3.8*	6.7	
	6.0				5.7*	5.7*	3.9	5.3*			3.7*	3.7*	7.8	
	4.5										3.2	3.7*	8.4	
	3.0	12.8*	12.8*	8.2	8.3*	5.3	6.6*	3.7	5.7			2.9	3.9*	8.7
	1.5	7.9*	7.9*	7.4	10.2*	4.9	7.5*	3.5	5.4			2.7	4.2*	8.8
	0	8.6*	8.6*	6.8	11.3*	4.6	7.3	3.3	5.3			2.7	4.3	8.6
	-1.5	11.9*	11.9*	6.6	11.3	4.4	7.1	3.2	5.2			2.9	4.6	8.1
	-3.0	12.9	15.6*	6.6	10.8*	4.4	7.1					3.4	5.5	7.3
-4.5	12.6*	12.6*	6.9	9.0*							4.7	6.5*	5.9	
WLC	7.5				5.1*	5.1*	4.4*	4.4*			3.8*	3.8*	6.7	
	6.0				5.7*	5.7*	4.3	5.3*			3.7*	3.7*	7.8	
	4.5										3.5	3.7*	8.4	
	3.0	12.8*	12.8*	8.3*	8.3*	5.9	6.6*	4.1	5.7*			3.2	3.9*	8.7
	1.5	7.9*	7.9*	8.3	10.2*	5.5	7.5*	3.9	6.0			3.1	4.2*	8.8
	0	8.6*	8.6*	7.7	11.3*	5.1	8.1	3.7	5.8			3.1	4.7*	8.6
	-1.5	11.9*	11.9*	7.5	11.5*	5.0	7.9	3.7	5.7			3.3	5.1	8.1
	-3.0	15.1	15.6*	7.5	10.8*	5.0	7.9					3.9	6.0	7.3
-4.5	12.6*	12.6*	7.8	9.0*							5.3	6.5*	5.9	

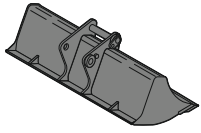
 Height
  Can be slewed through 360°
  In longitudinal position of undercarriage
  Max. reach
 * Limited by hydr. capacity

The load values are quoted in tons (t) 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 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 325 kg. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

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¹⁾ Values are calculated with 500 mm wide track pads for the NLC-Undercarriage

Available Attachments



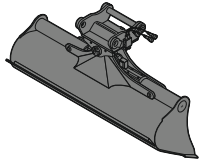
Rigid Ditch Cleaning Bucket

GRL 90, for direct mounting

Cutting width	mm	1,500	2,000	2,010	2,400				
Capacity	m ³	0.50	0.70	0.85	0.85				
Weight	kg	400	500	530	580				

GRL 90, for mounting to quick coupler SWA 48

Cutting width	mm	1,500	1,500	2,000	2,000	2,000	2,400	2,400	
Capacity	m ³	0.50	0.95	0.70	1.20	1.25	0.85	1.15	
Weight	kg	430	560	400	640	600	600	650	



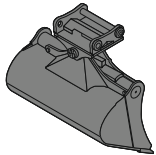
Ditch Cleaning Bucket

GRL 90, 2 x 50° tiltable, for direct mounting

Cutting width	mm	1,600	2,000	2,000	2,000	2,200	2,400	2,800		
Capacity	m ³	0.80	0.50	0.70	1.00	1.15	0.85	1.45		
Weight	kg	798	686	819	883	920	885	1,009		

GRL 90, 2 x 50° tiltable, for mounting to quick coupler SWA 48

Cutting width	mm	1,600	2,000	2,000	2,000	2,200	2,200	2,200	2,400	2,400	2,800
Capacity	m ³	0.80	0.50	0.70	1.00	0.80	1.15	1.40	0.85	1.25	1.85
Weight	kg	850	690	880	940	880	980	1,000	890	1,000	1,088



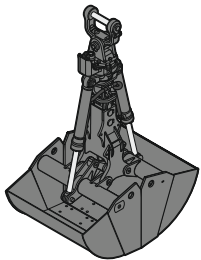
Tilt Bucket

SL 90, 2 x 50° tiltable, for direct mounting

Cutting width	mm	1,600	1,600	1,600						
Capacity	m ³	0.80	1.00	1.35						
Weight	kg	768	820	918						

SL 90, 2 x 50° tiltable, for mounting to quick coupler SWA 48

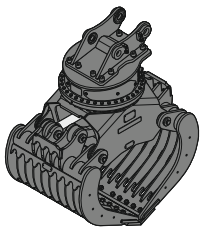
Cutting width	mm	1,500	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600
Capacity	m ³	1.20	0.80	1.00	1.35	1.55	0.80	1.00	1.35	1.55
Weight	kg	970	820	890	970	1,035	820	1,006	1,184	1,550
HD-version							X	X	X	X



Clamshells

GM 20C, earthmoving shell, for mounting to quick coupler SWA 48 (exists for direct mounting)

Cutting width	mm	600	800	1,000	1,200
Capacity	m ³	0.45	0.60	0.75	0.90
Weight	kg	575	625	700	765



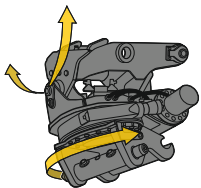
Sorting Grab

SG 30, for direct mounting

		ribbed		perforated		stone tong
Cutting width	mm	1,000	1,150	1,000	1,150	1,020
Capacity	m ³	0.75	0.90	0.85	1.00	0.85
Weight	kg	1,510	1,590	1,490	1,570	1,765

SG 30, for mounting to quick coupler SWA 48

Cutting width	mm	1,000	1,150	1,000	1,150	1,020
Capacity	m ³	0.75	0.90	0.85	1.00	0.85
Weight	kg	1,510	1,590	1,490	1,570	1,765



Tiltrotator

LH-TR 25, for mounting to quick coupler SWA 48

Weight	kg	720
Rotation		360°
Tilt		2 x 50°

Serial Equipment

Undercarriage

Track and carrier rollers, sealed and lifetime-lubricated
Sprocket with dirt ejector
Lashing eyes

Uppercarriage

Access platforms without protruding parts
Anti-skid surfaces
Automatic swing brake lock
Centralised lubrication system (automatic)
DEF tank filling indicator
DEF tank lockable access hatch
Engine coolant level, visible from the cab
Engine hood with gas spring opening
Filters accessible from ground level
Handrails
Hydraulic oil level, visible from ground level
Lockable fuel tank cap
Lockable service doors
Lockable storage and accessories compartment
Lockable storage box
Main switch, electric, with timer
Main switch, manual, lockable
Protection grid on radiator fan
Safe uppercarriage side access platform
Sound insulation
Swing drive gearbox oil level, visible from the cab
Swing-out radiators
Windshield washer fluid tank, accessible from ground level

Hydraulic System

Filter with integrated fine filters
Hydraulic pressure measuring ports
Liebherr Positive Control system with 2 independent circuits
Magnetic rod
Pressure accumulator for controlled lowering of equipment with engine turned off

Engine

Air filter with automatic dust ejector
Automatic engine idling/speed increase, controlled via joystick sensors
Common-Rail injection system
Exhaust gas after-treatment system – DOC + DPF + SCR
Fixed geometry turbocharger
Fuel fine filter
Fuel pre-filter and water separator
Fuel priming pump
Intercooler
Power Pack EU Stage V
Stepless adjustable engine speed

Operator's Cab

7" multifunction colour touchscreen
Air conditioning, automatic, tri-zone, controlled via display
Armrests adjustable in width, height and inclination
Bottle holder
Cab air filters housing, accessible from ground level
Cab door sliding windows
Cigarette lighter
Coat hook
DEF consumption on touchscreen
DEF level on touchscreen
Electric socket in cabin (12 V)
Electric socket in cabin (24 V)
Emergency hammer
Engine oil level on touchscreen
Fuel consumption on touchscreen
Fuel level on touchscreen
Hydraulic oil level on touchscreen
Interior lighting
Laminated right hand side window
LiDAT Plus (Liebherr data transfer system) *
Mechanical hour meters, visible from ground level
Mobile phone storage net
Movement priority between swing and boom, adjustable via touchscreen
Movement priority for stick-in, adjustable via touchscreen
Rain hood over front window opening
Rearview mirror
Rear view monitoring camera
Rear window emergency exit
Right hand side view monitoring camera
Roll-down sun blinds for windscreen and roof window
ROPS safety cab structure (ISO 12117-2)
Rubber floor mat, fixed on floor and removable
Storage box
Storage nets
Storage spaces
Swing braking torque adjustable via touchscreen
Tilttable console left
Tinted windows
Visco-elastic damping
Windscreen wiper and washer
Work mode selector

Equipment

Boom cylinders regeneration
Pipe fracture safety valve for stick cylinder
Pipe fracture safety valves for boom cylinders
Pivot points made of cast steel
SAE split flanges on high pressure lines
Stick cylinder regeneration

* optionally extendable after one year

Equipment Standard/Option

Undercarriage

Chain guide 1 piece	•
Chain guide 3 pieces	+
Reinforced cover and base plate for undercarriage centre section	+
Special painting	+
Standard cover plate for undercarriage centre section	•
Steps	•
Steps wide	+
Track pads triple grouser 500/750/900 mm	+
Track pads triple grouser 600 mm	•
Track pads triple grouser reinforced 500/600/750 mm	+
Tracks, sealed and greased, with track pads	•
Tracks, sealed and greased, with track pads, reinforced	+
Undercarriage LC	+
Undercarriage NLC	+
Undercarriage SLC	+
Undercarriage WLC	+
Undercarriage storage compartment	+

Uppercarriage

Air pre-filter with cyclonical dust trap	+
Boxing ring	+
Counterweight standard 5.0 t	•
Electric socket on uppercarriage (24 V)	+
Extended tool set including tool box	+
Fuel anti-theft protection	+
Headlight on uppercarriage, front left, LED+, 1 piece, protection included	+ ¹⁾
Headlight on uppercarriage, front right, LED, 1 piece, protection included	• ¹⁾
Headlight on uppercarriage, front right, LED+, 1 piece, protection included	+ ¹⁾
Headlight on uppercarriage, lateral left, LED+, 1 piece	+ ¹⁾
Headlight on uppercarriage, lateral right, LED+, 1 piece	+ ¹⁾
Headlights on uppercarriage, rear, LED+, 2 pieces	+ ¹⁾
Lighting for tank area	+ ¹⁾
Lighting for uppercarriage access	+ ¹⁾
Pre-heating system for fuel	+
Radiator fine mesh protection grid	+
Reflective warning stickers	+
Reversible fan drive	+
Rotating beacons on uppercarriage, rear, LED, 2 pieces	+
Skyview 360°	+
Special painting	+
Tank refilling pump fuel	+
Tool set including storage case	•

Hydraulic System

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

Engine

Automatic engine shutdown after idling	+
Engine shut-down with overrun	+
Lighting for engine compartment	+ ¹⁾



Operator's Cab

2" seat belt with retractor	•
3" seat belt with retractor, orange colour	+
4-points seat belt	+
Acoustic travel alarm deactivatable	+
Auxiliary heater programmable	+
Bottom windscreen wiper	+
Cool box (12 V)	+
Dark tinted windows	+
Electrically adjustable and heated outside rear-view mirrors	+
Electronic immobiliser	+
Emergency stop in cab	+
FGPS front guard	+
Filter for hydraulic hammer return flow	+
Fire extinguisher	+
First-aid box	+
Footrest	+
FOPS top guard	+
Handrests elevated for joysticks	+
Headlights on cab, front, LED, 2 pieces	• ¹⁾
Headlights on cab, front, LED+, 2 pieces	+ ¹⁾
Headlights on cab roof, front, LED+, 2 pieces	+ ¹⁾
High pressure circuit switchable on pedals or mini-joystick	+
High pressure circuit with Tool Control (20 attachment adjustments on display)	+
Impact resistant one-piece windscreen	+
Impact resistant roof window	+
Integral protection guard	+
Laminated roof window	•
Lightbar on cabin	+
Luminosity control (LED+ headlights)	+ ¹⁾
Medium pressure circuit	+
Mini-joysticks proportional	+
Movement restriction for boom	+
Movement restriction for stick	+
Operator seat Comfort	•
Operator seat Premium	+
Overload warning system	+
Preparation for machine guidance system	+
Preparation for tiltrotator	+
Preparation for weighing system	+
Radio Comfort	+
Radio pre-installation	•
Retractable laminated two-piece windscreen	•
Roof sun shield	+
Roof window wiper	+
Rotating beacon on cabin, LED, 1 piece	+
Seat belt reminder	+
Shortkey button on joystick configurable	•
Special painting	+
Sun visor	+
Switch between high pressure and bucket cylinder controls	+
Windscreen bottom protection grid	+



Equipment

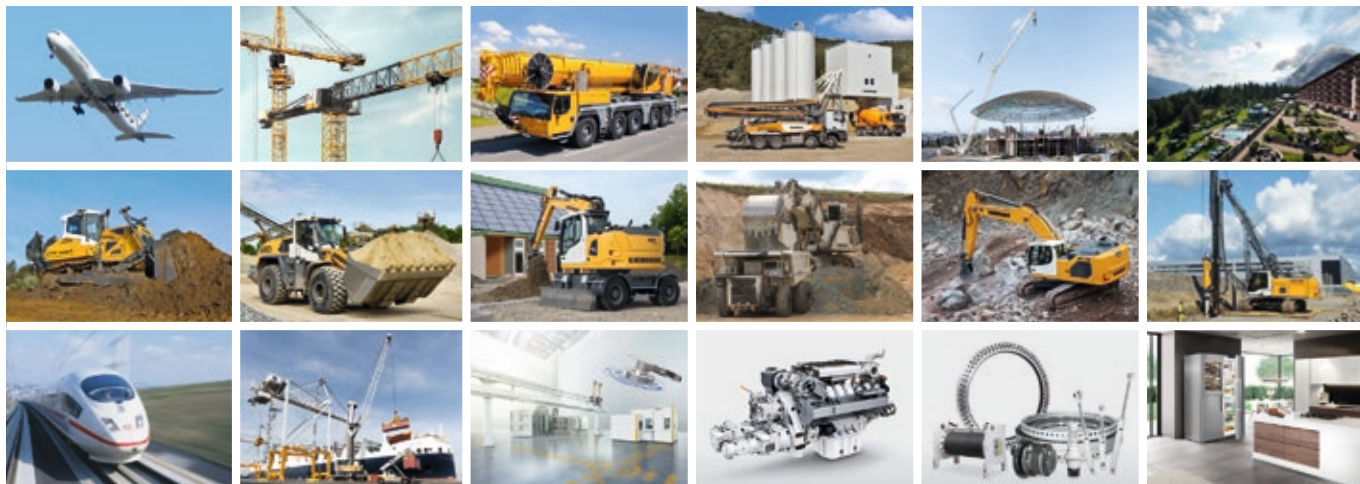
Bucket cylinder rod protection	+
Centralised lubrication extended for connecting link	+
Floating boom	+
Grapple hydraulic lines (bucket cylinder inactive)	+
Headlight guard on boom, right	+
Headlight guards on boom, right and left	+
Headlight on boom, left, LED+, 1 piece	+ ¹⁾
Headlight on boom, right, LED, 1 piece	• ¹⁾
Headlight on boom, right, LED+, 1 piece	+ ¹⁾
Headlight on stick, bottom, LED+, 1 piece	+ ¹⁾
Liebherr bucket range	+
Liebherr tooth system	+
LIKUFIX electric signal plug	+
LIKUFIX for quick coupler SWA 48 hydraulic	+
Load holding valve for bucket cylinder	+
Lubrication hoses protection on stick	+
Mono boom 5.70 m	+
Mono boom offset 5.65 m	+
Mono boom straight 5.90 m	+
Quick coupler SWA 48 hydraulic	+
Quick coupler SWA 48 mechanical	+
Special painting	+
Stick 2.50 m	+
Stick 2.90 m	+
Stick 3.50 m	+
Stick bottom protection	+
Tool Management	+
Two-piece boom 5.90 m	+

• = Standard, + = Option

¹⁾ Equipment not individually available, but only as predefined lighting packages
Non-exhaustive list, please contact us for further information.

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

The Liebherr Group of Companies



Wide Product Range

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

Exceptional Customer Benefit

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

State-of-the-art Technology

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

Worldwide and Independent

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

www.liebherr.com

Liebherr-France SAS

2 avenue Joseph Rey, B.P. 90287, FR-68005 Colmar Cedex
☎ +33 389 21 30 30, Fax +33 389 21 37 93
www.liebherr.com, E-Mail: info.lfr@liebherr.com
www.facebook.com/LiebherrConstruction