

---

# R 930 Litronic

---

## LIEBHERR

Crawler excavator

**Generation**

8

**Operating weight**

30,400–37,750 kg

**Engine**

180 kW / 245 HP  
Stage V

**Bucket capacity**

1.00–2.15 m<sup>3</sup>



# Experience the progress

## R 930

---

### ① Safety

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

### ② Equipment

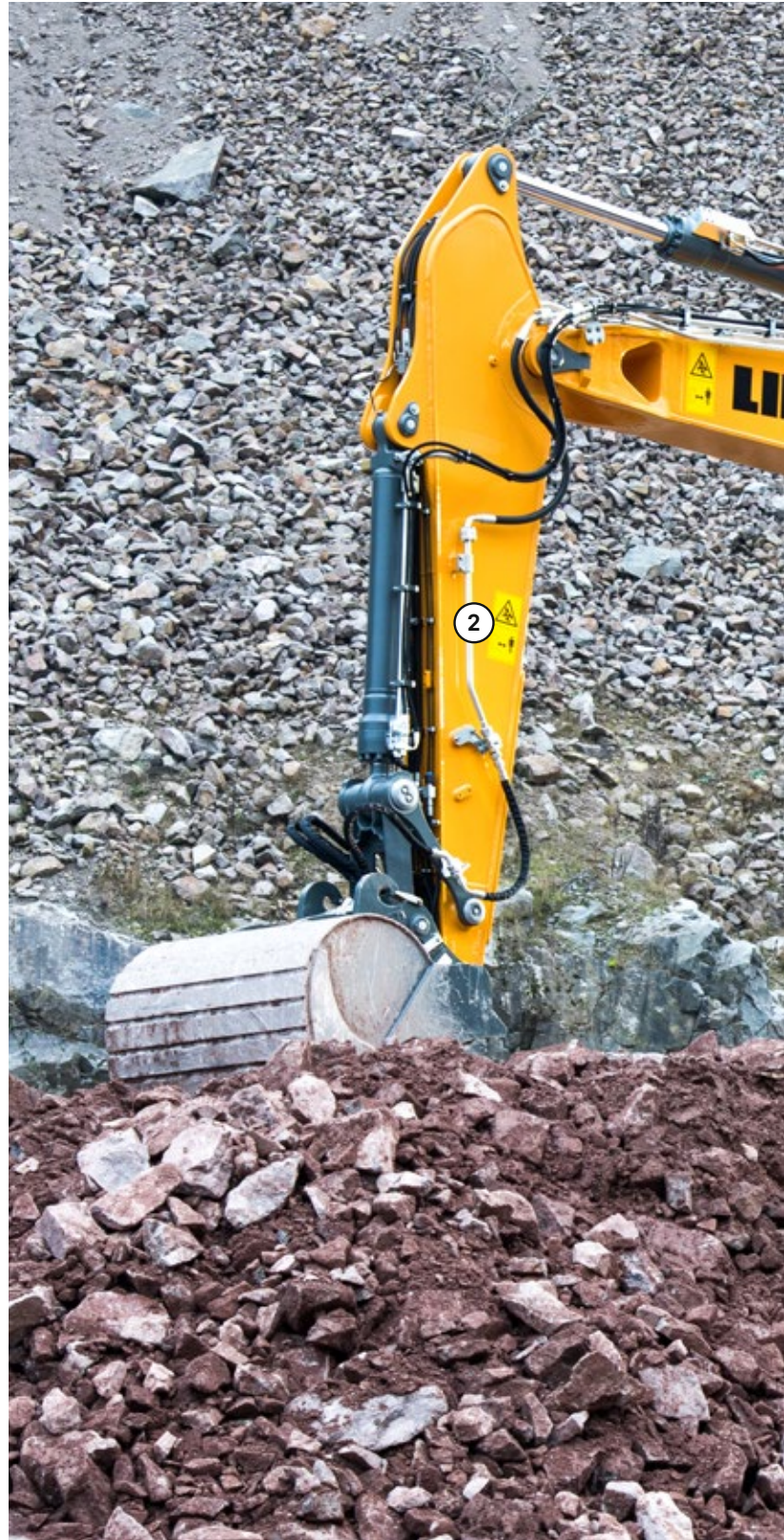
- Large choice of types and sizes of equipment
- Safety check valves for hoist and stick cylinders (option)
- Longer lifespan of components and higher productivity thanks to automatic centralised lubrication system

### ③ Maintenance

- Innovative servicing concept, with service points accessible from ground level
- Lateral access to uppercarriage and large maintenance platform
- Engine oil, hydraulic oil, fuel and urea levels visible on the display

### ④ Comfort

- Spacious, air-conditioned work space
- Pneumatic seat with vertical and horizontal suspension
- Easy-to-use high resolution 9" colour touchscreen
- Completely retractable front cab window
- LED lighting as standard



## ⑤ Engine

- Liebherr engine that conforms with the Stage V European exhaust emissions standard
- Automatic engine speed increase / decrease controlled by proximity sensors in the joysticks

## ⑥ 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



# Technical data



## Engine

<b>Rating per ISO 9249</b>	180 kW (245 HP) at 1,800 RPM
<b>Torque</b>	1,255 Nm at 1,350 RPM
<b>Model</b>	Liebherr D934 A7-25
<b>Type</b>	4 cylinder in-line
<b>Bore</b>	122 mm
<b>Stroke</b>	150 mm
<b>Displacement</b>	7.0 l
<b>Engine operation</b>	4-stroke diesel Common-Rail Turbo-charged and after-cooler
<b>Exhaust gas treatment</b>	Stage V DOC + SCR Filter Passive regeneration by thermo management
<b>Cooling system</b>	Water-cooled and oil cooler, after-cooled and fuel cooled
<b>Air cleaner</b>	Dry-type air cleaner with pre-cleaner
<b>Fuel tank</b>	620 l
<b>Urea tank</b>	90 l
<b>Electrical system</b>	
<b>Voltage</b>	24 V
<b>Batteries</b>	2 x 135 Ah / 12 V
<b>Alternator</b>	Three-phase current 24 V / 140 A
<b>Engine idling</b>	Sensor controlled



## Hydraulic controls

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



## Hydraulic system

<b>Hydraulic system</b>	Positive Control hydraulic system. Demand-based, double independent pump flows Features high system dynamics and sensitivity provided by integrated system controlling Independent circuit for rotation
<b>Hydraulic pumps</b>	
<b>For equipment and travel drive</b>	Liebherr, variable displacement, swashplate double pump
<b>Max. flow</b>	2 x 265 l/min.
<b>Max. pressure</b>	380 bar
<b>For swing drive</b>	Swashplate pump, closed-loop circuit
<b>Max. flow</b>	200 l/min.
<b>Max. pressure</b>	400 bar
<b>Pump management</b>	Electronic management synchronous to the control block
<b>Hydraulic tank</b>	239 l
<b>Hydraulic system</b>	max. 475 l
<b>Filtration</b>	1 main return filter with integrated partial micro filtration (10 µm)
<b>Cooling system</b>	Compact cooler, consisting of a water cooler, with hydraulic oil cooler, gearbox oil cooler, fuel cooler and after-cooler cores and hydrostatically driven fan
<b>MODE selection</b>	Adjustment of engine and hydraulic performance via a mode pre-selector to match application, e.g. for especially economical and environmentally friendly operation or for maximum digging performance and heavy-duty jobs
<b>Engine speed and performance setting</b>	Stepless adjustment of engine output and hydraulic power via engine speed



## Swing drive

<b>Drive</b>	Liebherr swashplate motor with integrated brake valve and torque control
<b>Transmission</b>	Liebherr compact planetary reduction gears
<b>Swing ring</b>	Liebherr, sealed race ball bearing swing ring, internal teeth
<b>Swing speed</b>	0-10.1 RPM stepless
<b>Swing torque</b>	99 kNm
<b>Holding brake</b>	Wet multi-disc (spring applied, pressure released)



## Cab

<b>Cab</b>	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, 12V plug, cup holder, mobile phone storage net
<b>Operator's seat</b>	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 length, height and inclination), seat heating as standard Oscillating consoles with seat, tiltable console left
<b>Arm consoles</b>	
<b>Operation and displays</b>	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
<b>Air-conditioning</b>	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 <sub>2</sub> equivalent	1.80 t
<b>Vibration emission**</b>	
Hand / arm vibrations	< 2.5 m/s <sup>2</sup> , according with ISO 5349-1:2001
Whole-body vibrations	< 0.5 m/s <sup>2</sup>
Measuring inaccuracy	According with standard EN 12096:1997
<b>Noise emission</b>	
ISO 6396	71 dB(A) = L <sub>PA</sub> (inside cab)
2000/14/EC	105 dB(A) = L <sub>WA</sub> (surround noise)



## Undercarriage

<b>Versions</b>	
NLC	Gauge 2,390 mm
LC	Gauge 2,590 mm
LC-V	Gauge 2,390 mm / 2,890 mm
<b>Drive</b>	Liebherr swashplate motor with brake valves on both sides
<b>Transmission</b>	Liebherr planetary reduction gear
<b>Maximum travel speed</b>	3.5 km/h low range (NLC / LC) 5.8 km/h high range (NLC / LC) 2.8 km/h low range (LC-V) 4.6 km/h high range (LC-V)
<b>Drawbar pull on crawler</b>	261 kN (NLC / LC) 325 kN (LC-V)
<b>Track components</b>	D7, D7G, maintenance-free
<b>Track rollers / Carrier rollers</b>	9 / 2
<b>Tracks</b>	Sealed and greased
<b>Track pads</b>	Triple grouser
<b>Holding brake</b>	Wet multi-disc (spring applied, pressure released)
<b>Brake valves</b>	Integrated into travel motor
<b>Lashing eyes</b>	Integrated



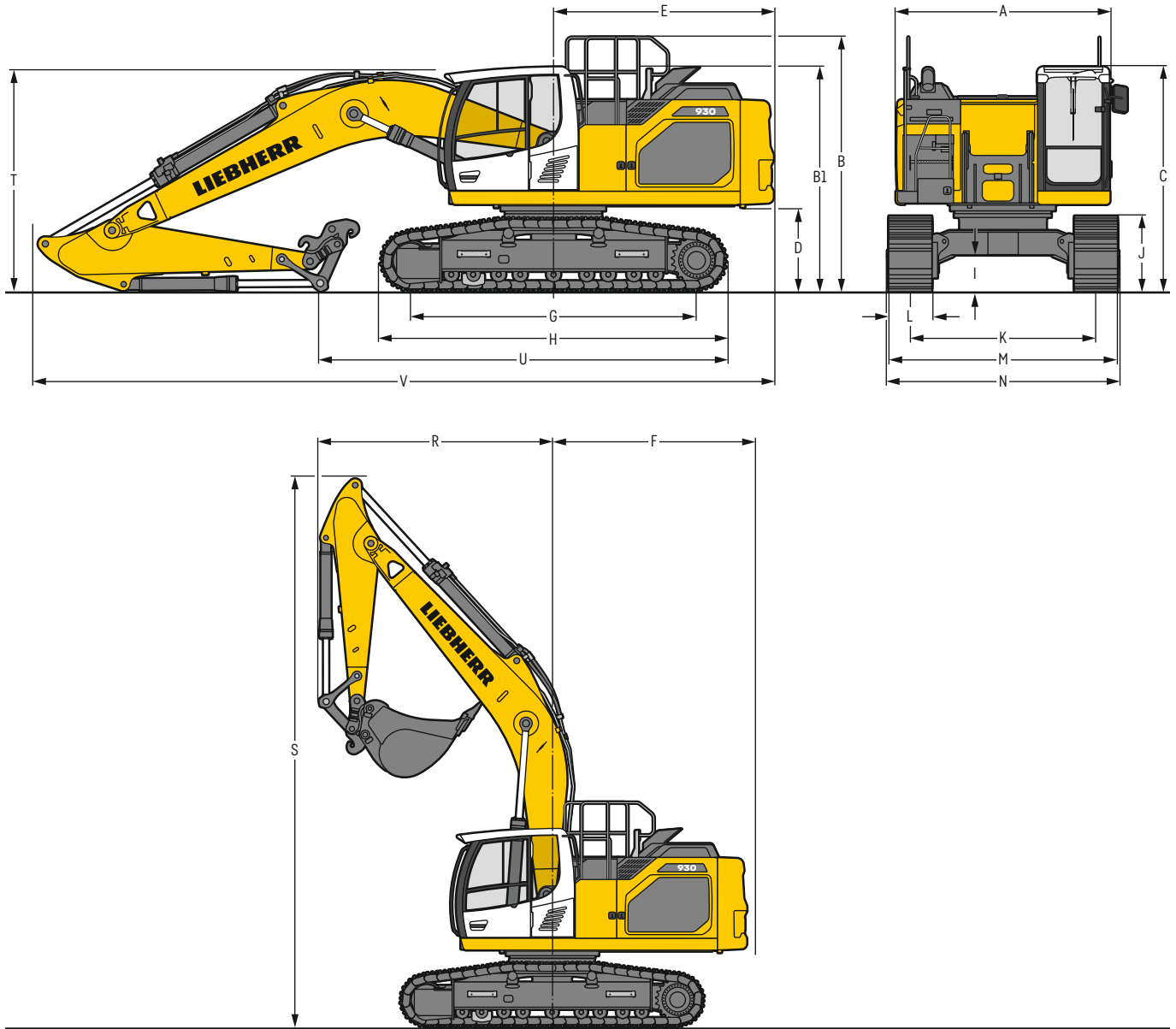
## Equipment

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

\* 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

# Dimensions



	NLC					mm	LC					mm					
A	Uppercarriage width					2,990 <sup>2)</sup>						2,990 <sup>2)</sup>					
B	Uppercarriage height					3,130						3,130					
B1	Uppercarriage height (handrails folded)					2,910						2,910					
C	Cab height					3,150						3,150					
D	Counterweight ground clearance					1,175						1,175					
E	Rear-end length					3,075						3,075					
F	Tail swing radius					3,200						3,200					
G	Wheelbase					3,990						3,990					
H	Undercarriage length					4,840						4,840					
I	Undercarriage ground clearance					505						505					
J	Track height					1,055						1,055					
K	Track gauge					2,390						2,590					
L	Track pad width						600	700	750	800	900		600	700	750	800	900
M	Width over tracks						2,990	3,090	3,140	3,190	3,290		3,190	3,290	3,340	3,390	3,490
N	Width over steps						2,990	2,990	3,190 <sup>1)</sup>	3,190 <sup>1)</sup>	3,190 <sup>1)</sup>		3,190	3,190	3,390 <sup>1)</sup>	3,390 <sup>1)</sup>	3,390 <sup>1)</sup>

		LC-V					mm				
<b>A</b>	Uppercarriage width						2,990 <sup>2)</sup>				
<b>B</b>	Uppercarriage height						3,265				
<b>B1</b>	Uppercarriage height (handrails folded)						3,045				
<b>C</b>	Cab height						3,285				
<b>D</b>	Counterweight ground clearance						1,310				
<b>E</b>	Rear-end length						3,075				
<b>F</b>	Tail swing radius						3,200				
<b>G</b>	Wheelbase						4,170				
<b>H</b>	Undercarriage length						5,030				
<b>I</b>	Undercarriage ground clearance						680				
<b>J</b>	Track height						1,100				
<b>K</b>	Track gauge						2,390/2,890 <sup>3)</sup>				
<b>L</b>	Track pad width						900				
<b>M</b>	Width over tracks	600		700		750		800			
<b>N</b>	Width over steps	2,990/3,490 <sup>3)</sup>		3,090/3,590 <sup>3)</sup>		3,140/3,640 <sup>3)</sup>		3,190/3,690 <sup>3)</sup>		3,290/3,790 <sup>3)</sup>	
		3,170/3,670 <sup>1) 3)</sup>		3,170/3,670 <sup>1) 3)</sup>		3,170/3,670 <sup>1) 3)</sup>		3,170/3,670 <sup>1) 3)</sup>		3,320/3,820 <sup>1) 3)</sup>	

<sup>1)</sup> width with removable steps

<sup>2)</sup> without door stop device and spacer

<sup>3)</sup> work position

	Stick length	m	Mono boom 6.00 m with quick coupler			Mono boom straight 6.20 m with quick coupler			Two-piece boom 6.20 m with quick coupler		
			NLC	mm LC	LC-V	NLC	mm LC	LC-V	NLC	mm LC	LC-V
<b>R</b>	Front swing radius	2.50		3,700			3,250			2,600	
		2.80		3,700			3,250			2,700	
		3.20		3,700			3,250			2,800	
		3.70		3,700			3,200			2,850	
<b>S</b>	Height with boom up		8,700	8,700	8,850	9,300	9,300	9,450	9,450	9,450	9,600
<b>T</b>	Boom height	2.50	3,050	3,050	3,150	2,950	2,950	3,000	2,900	2,900	3,000
		2.80	3,100	3,100	3,150	3,050	3,050	3,100	2,950	2,950	3,050
		3.20	3,150	3,150	3,200	3,150	3,150	3,150	3,050	3,050	3,100
		3.70	3,200	3,200	3,250	3,250	3,250	3,250	3,200	3,200	3,150
<b>U</b>	Length on ground	2.50	8,700	8,700	8,750	6,500	6,500	6,500	6,400	6,400	6,400
		2.80	5,700	5,700	8,500	6,300	6,300	6,300	6,150	6,150	6,150
		3.20	5,350	5,350	8,100	6,000	6,000	6,300	5,850	5,850	5,850
		3.70	4,850	4,850	7,600	5,600	5,600	5,600	5,450	5,450	5,450
<b>V</b>	Overall length		10,400			10,800			10,650		
	Bucket		1.60 m <sup>3</sup>			1.60 m <sup>3</sup>			1.60 m <sup>3</sup>		

## Transport dimensions

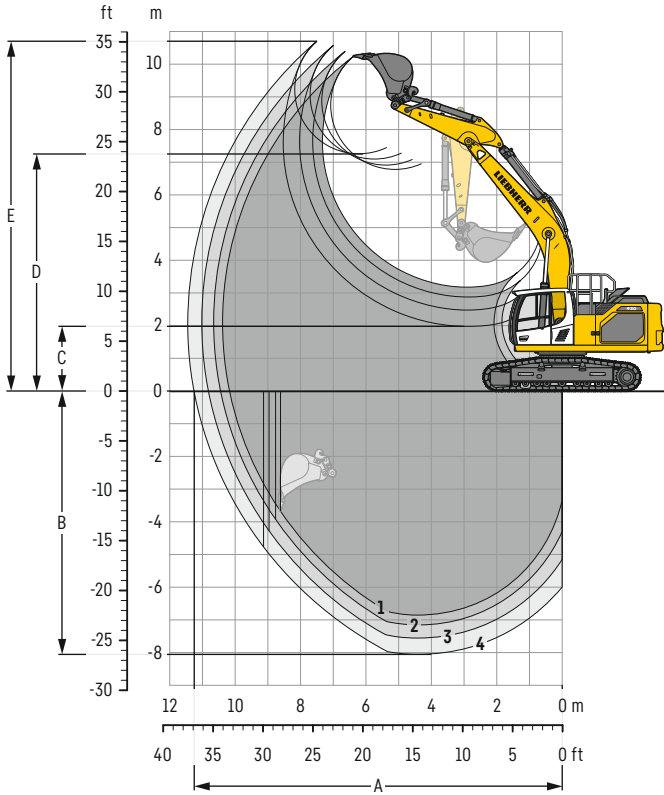
### removable elements disassembled

	Undercarriage	Mono boom 6.00 m					Mono boom straight 6.20 m					Two-piece boom 6.20 m				
		mm					mm					mm				
Pad width		600	700	750	800	900	600	700	750	800	900	600	700	750	800	900
Transport width	NLC	2,990	3,090	3,140	3,190	3,290	2,990	3,090	3,140	3,190	3,290	2,990	3,090	3,140	3,190	3,290
	LC	3,190	3,290	3,340	3,390	3,490	3,190	3,290	3,340	3,390	3,490	3,190	3,290	3,340	3,390	3,490
	LC-V	2,990	3,090	3,140	3,190	3,290	2,990	3,090	3,140	3,190	3,290	2,990	3,090	3,140	3,190	3,290

	Undercarriage / Stick m	mm			mm			mm		
		NLC	LC	LC-V	NLC	LC	LC-V	NLC	LC	LC-V
Transport length		10,400			10,800			10,650		
Transport height	2.50	3,150	3,150	3,285	3,150	3,150	3,285	3,150	3,150	3,285
	2.80	3,150	3,150	3,285	3,150	3,150	3,285	3,150	3,150	3,285
	3.20	3,150	3,150	3,285	3,150	3,150	3,285	3,150	3,150	3,285
	3.70	3,200	3,200	3,285	3,250	3,250	3,285	3,200	3,200	3,285

# Backhoe bucket

with mono boom 6.20 m



## Digging envelope

with quick coupler		1	2	3	4
Stick length	m	2.50	2.80	3.20	3.70
A Max. reach at ground level	m	10.17	10.45	10.82	11.26
B Max. digging depth	m	6.86	7.16	7.56	8.05
C Min. dumping height	m	3.18	2.88	2.48	1.98
D Max. dumping height	m	6.78	6.92	7.09	7.25
E Max. cutting height	m	10.25	10.38	10.56	10.70

## Forces

without quick coupler		1	2	3	4
Stick digging force (ISO 6015)	kN	168	156	142	128
Bucket digging force (ISO 6015)	kN	204	204	204	204
Stick digging force (SAE J1179)	kN	160	149	136	123
Bucket digging force (SAE J1179)	kN	178	178	178	178

## Operating weight and ground pressure

The operating weight includes the basic machine with counterweight 5.1t, mono boom 6.20 m, stick 3.20 m, quick coupler SWA 66 (350 kg) and bucket 1.60 m<sup>3</sup> (1,170 kg).

Undercarriage		NLC				
Pad width	mm	600	700	750	800	900
Weight	kg	30,400	30,750	30,950	31,100	31,450
Ground pressure	kg/cm <sup>2</sup>	0.59	0.51	0.48	0.45	0.41

Undercarriage		LC				
Pad width	mm	600	700	750	800	900
Weight	kg	30,500	30,850	31,050	31,200	31,550
Ground pressure	kg/cm <sup>2</sup>	0.59	0.51	0.48	0.45	0.41

Undercarriage		LC-V				
Pad width	mm	600	700	750	800	900
Weight	kg	34,500	34,900	35,150	35,350	35,750
Ground pressure	kg/cm <sup>2</sup>	0.64	0.56	0.52	0.49	0.44

The operating weight includes the basic machine with counterweight 6.2t, mono boom 6.20 m, stick 3.20 m, quick coupler SWA 66 (350 kg) and bucket 1.60 m<sup>3</sup> (1,170 kg).

Undercarriage		NLC				
Pad width	mm	600	700	750	800	900
Weight	kg	31,500	31,850	32,050	32,200	32,550
Ground pressure	kg/cm <sup>2</sup>	0.61	0.53	0.50	0.47	0.42

Undercarriage		LC				
Pad width	mm	600	700	750	800	900
Weight	kg	31,600	31,950	32,150	32,300	32,650
Ground pressure	kg/cm <sup>2</sup>	0.61	0.53	0.50	0.47	0.42

Undercarriage		LC-V				
Pad width	mm	600	700	750	800	900
Weight	kg	35,600	36,000	36,250	36,450	36,850
Ground pressure	kg/cm <sup>2</sup>	0.66	0.58	0.54	0.51	0.46



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

Cutting width mm	Capacity ISO 7451 m³	Weight <sup>3)</sup> kg	Weight <sup>4)</sup> kg	NLC undercarriage (with track pads 600 mm)								LC undercarriage (with track pads 600 mm)								LC-V undercarriage (with track pads 600 mm)								
				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				
2.50	2.80	3.20	3.70	2.50	2.80	3.20	3.70	2.50	2.80	3.20	3.70	2.50	2.80	3.20	3.70	2.50	2.80	3.20	3.70	2.50	2.80	3.20	3.70					
<b>with counterweight 5.1 t</b>																												
STD <sup>1)</sup>	1,050	1.00	870	930	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,250	1.25	1,000	1,050	▲	▲	▲	▲	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,400	1.45	1,070	1,130	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,550	1.60	1,110	1,170	▲	▲	■	▲	▲	■	▲	△	▲	▲	▲	■	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,650	1.75	1,160	1,220	■	■	▲	△	■	▲	■	△	▲	▲	■	▲	▲	■	▲	■	▲	▲	▲	▲	▲	▲	▲	▲
	1,550	1.85	1,170	1,230	■	▲	■	△	▲	■	△	△	▲	■	■	■	■	■	▲	△	▲	▲	▲	▲	▲	▲	▲	▲
	1,650	2.00	1,210	1,270	▲	■	△	△	■	△	△	-	■	▲	■	△	■	▲	■	△	▲	▲	▲	■	▲	▲	▲	■
1,750	2.15	1,260	1,320	■	△	△	-	△	△	△	-	▲	■	△	△	▲	■	△	△	▲	▲	▲	■	▲	▲	■	▲	
HD <sup>2)</sup>	1,050	1.00	1,000	1,050	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,250	1.25	1,140	1,200	▲	▲	▲	▲	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,400	1.45	1,230	1,290	▲	▲	■	▲	▲	▲	■	■	▲	▲	▲	▲	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲
	1,550	1.60	1,290	1,350	▲	■	▲	■	■	▲	■	△	▲	▲	■	▲	▲	▲	■	■	▲	▲	▲	▲	▲	▲	▲	▲
	1,650	1.75	1,350	1,410	■	▲	■	△	▲	■	△	△	▲	■	▲	■	▲	■	▲	△	▲	▲	▲	▲	▲	▲	▲	▲
	1,550	1.85	1,340	1,400	▲	▲	△	△	▲	■	△	-	▲	■	▲	■	■	▲	■	△	▲	▲	▲	▲	▲	▲	▲	■
	1,650	2.00	1,400	1,460	■	■	△	△	■	△	△	-	■	▲	■	△	▲	■	△	△	▲	▲	▲	■	▲	▲	▲	■
1,750	2.15	1,450	1,510	△	△	△	-	△	△	-	-	▲	■	△	△	■	△	△	-	▲	▲	■	▲	▲	▲	■	▲	
<b>with counterweight 6.2 t</b>																												
STD <sup>1)</sup>	1,050	1.00	870	930	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,250	1.25	1,000	1,050	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,400	1.45	1,070	1,130	▲	▲	▲	▲	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,550	1.60	1,110	1,170	▲	▲	▲	■	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,650	1.75	1,160	1,220	▲	▲	■	▲	▲	■	▲	■	▲	▲	▲	■	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲
	1,550	1.85	1,170	1,230	▲	▲	■	■	▲	■	▲	■	▲	▲	▲	■	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,650	2.00	1,210	1,270	■	■	▲	■	■	▲	■	△	▲	▲	■	▲	▲	■	▲	■	▲	▲	▲	▲	▲	▲	▲	▲
1,750	2.15	1,260	1,320	▲	▲	■	△	▲	■	△	△	▲	■	▲	■	■	▲	■	△	▲	▲	▲	▲	▲	▲	▲	■	
HD <sup>2)</sup>	1,050	1.00	1,000	1,050	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,250	1.25	1,140	1,200	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,400	1.45	1,230	1,290	▲	▲	▲	▲	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,550	1.60	1,290	1,350	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲
	1,650	1.75	1,350	1,410	▲	▲	■	▲	▲	■	▲	■	▲	▲	▲	■	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,550	1.85	1,340	1,400	▲	■	▲	■	■	■	■	△	▲	▲	■	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,650	2.00	1,400	1,460	■	▲	■	△	▲	■	△	△	▲	■	▲	■	■	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲
1,750	2.15	1,450	1,510	▲	■	△	△	■	■	△	△	■	■	▲	△	■	▲	■	△	▲	▲	▲	■	▲	▲	▲	■	

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

<sup>1)</sup> Standard bucket with teeth Z 50

<sup>2)</sup> HD bucket with teeth Z 50

<sup>3)</sup> Bucket for direct mounting

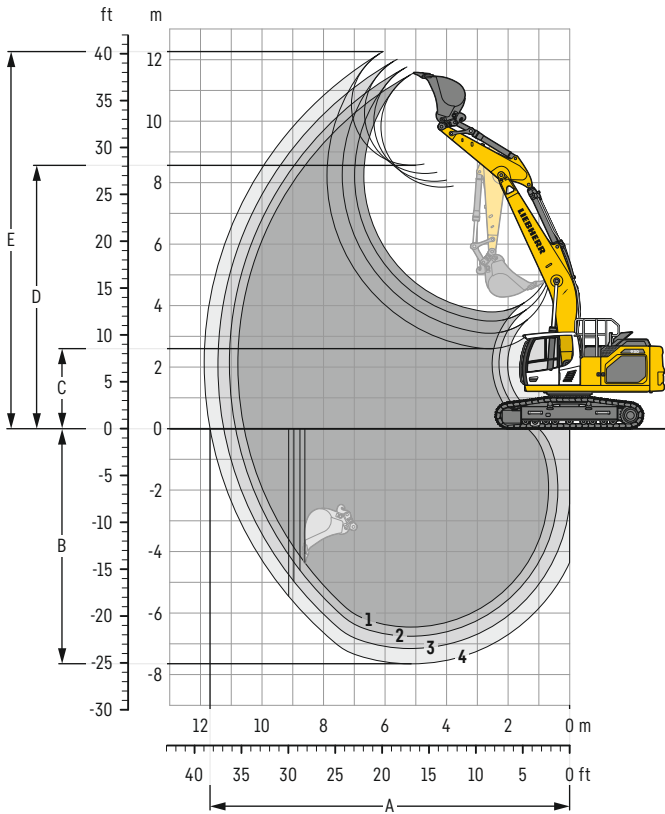
<sup>4)</sup> Bucket for mounting to quick coupler SWA 66 (350 kg)

Other buckets available upon request

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

# Backhoe bucket

with mono boom straight 6.50 m



## Digging envelope

with quick coupler		1	2	3	4
Stick length	m	2.50	2.80	3.20	3.70
A Max. reach at ground level	m	10.58	10.86	11.24	11.69
B Max. digging depth	m	6.45	6.75	7.15	7.65
C Min. dumping height	m	3.79	3.49	3.10	2.60
D Max. dumping height	m	7.85	8.04	8.30	8.56
E Max. cutting height	m	11.57	11.76	12.02	12.26

## Forces

without quick coupler		1	2	3	4
Stick digging force (ISO 6015)	kN	168	156	142	128
Bucket digging force (ISO 6015)	kN	204	204	204	204
Stick digging force (SAE J1179)	kN	160	149	136	123
Bucket digging force (SAE J1179)	kN	178	178	178	178

## Operating weight and ground pressure

The operating weight includes the basic machine with counterweight 5.1t, mono boom straight 6.50 m, stick 3.20 m, quick coupler SWA 66 (350 kg) and bucket 1.60 m<sup>3</sup> (1,170 kg).

Undercarriage		NLC				
Pad width	mm	600	700	750	800	900
Weight	kg	30,450	30,800	31,000	31,150	31,500
Ground pressure	kg/cm <sup>2</sup>	0.59	0.51	0.48	0.45	0.41

Undercarriage		LC				
Pad width	mm	600	700	750	800	900
Weight	kg	30,550	30,900	31,100	31,250	31,600
Ground pressure	kg/cm <sup>2</sup>	0.59	0.51	0.48	0.46	0.41

Undercarriage		LC-V				
Pad width	mm	600	700	750	800	900
Weight	kg	34,550	34,950	35,200	35,400	35,800
Ground pressure	kg/cm <sup>2</sup>	0.64	0.56	0.52	0.49	0.44

The operating weight includes the basic machine with counterweight 6.2t, mono boom straight 6.50 m, stick 3.20 m, quick coupler SWA 66 (350 kg) and bucket 1.60 m<sup>3</sup> (1,170 kg).

Undercarriage		NLC				
Pad width	mm	600	700	750	800	900
Weight	kg	31,550	31,900	32,100	32,250	32,600
Ground pressure	kg/cm <sup>2</sup>	0.61	0.53	0.50	0.47	0.42

Undercarriage		LC				
Pad width	mm	600	700	750	800	900
Weight	kg	31,650	32,000	32,200	32,350	32,700
Ground pressure	kg/cm <sup>2</sup>	0.62	0.53	0.50	0.47	0.42

Undercarriage		LC-V				
Pad width	mm	600	700	750	800	900
Weight	kg	35,650	36,050	36,300	36,500	36,900
Ground pressure	kg/cm <sup>2</sup>	0.66	0.58	0.54	0.51	0.46

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

Cutting width mm	Capacity ISO 7451 m <sup>3</sup>	Weight <sup>3)</sup> kg	Weight <sup>4)</sup> kg	NLC undercarriage (with track pads 600 mm)								LC undercarriage (with track pads 600 mm)								LC-V undercarriage (with track pads 600 mm)							
				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			
2.50	2.80	3.20	3.70	2.50	2.80	3.20	3.70	2.50	2.80	3.20	3.70	2.50	2.80	3.20	3.70	2.50	2.80	3.20	3.70	2.50	2.80	3.20	3.70				
<b>with counterweight 5.1 t</b>																											
STD <sup>1)</sup>	1,050	1.00	870	930	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲			
	1,250	1.25	1,000	1,050	▲	▲	▲	■	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲			
	1,400	1.45	1,070	1,130	▲	■	■	■	▲	■	■	△	▲	▲	▲	■	▲	▲	▲	■	▲	▲	▲	▲			
	1,550	1.60	1,110	1,170	■	▲	■	△	▲	■	△	△	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲			
	1,650	1.75	1,160	1,220	▲	■	△	△	■	△	△	-	■	■	▲	△	■	▲	■	△	▲	▲	▲	▲			
	1,550	1.85	1,170	1,230	■	■	△	△	■	△	△	-	■	▲	■	△	■	■	△	△	▲	▲	▲	■			
	1,650	2.00	1,210	1,270	△	△	△	-	△	△	-	-	▲	■	△	△	▲	△	△	-	▲	▲	■	▲			
1,750	2.15	1,260	1,320	△	△	-	-	△	-	-	-	■	△	△	-	△	△	△	-	▲	■	■	■				
HD <sup>2)</sup>	1,050	1.00	1,000	1,050	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲			
	1,250	1.25	1,140	1,200	▲	▲	▲	■	▲	▲	■	■	▲	▲	▲	■	▲	▲	▲	■	▲	▲	▲	▲			
	1,400	1.45	1,230	1,290	▲	■	▲	■	■	▲	■	△	▲	▲	■	▲	▲	▲	▲	■	▲	▲	▲	▲			
	1,550	1.60	1,290	1,350	■	▲	■	△	▲	■	△	-	■	■	▲	■	■	▲	■	△	▲	▲	▲	▲			
	1,650	1.75	1,350	1,410	▲	■	△	△	■	△	△	-	▲	▲	■	△	▲	■	△	△	▲	▲	▲	■			
	1,550	1.85	1,340	1,400	■	△	△	-	△	△	-	-	▲	▲	△	△	▲	■	△	-	▲	▲	▲	▲			
	1,650	2.00	1,400	1,460	△	△	-	-	△	-	-	-	■	■	△	△	■	△	△	-	▲	▲	■	▲			
1,750	2.15	1,450	1,510	△	△	-	-	-	-	-	-	△	△	△	-	△	△	-	-	▲	■	▲	■				
<b>with counterweight 6.2 t</b>																											
STD <sup>1)</sup>	1,050	1.00	870	930	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲			
	1,250	1.25	1,000	1,050	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲			
	1,400	1.45	1,070	1,130	▲	▲	▲	■	▲	▲	■	▲	▲	▲	▲	■	▲	▲	▲	■	▲	▲	▲	▲			
	1,550	1.60	1,110	1,170	▲	▲	■	▲	▲	■	▲	■	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲			
	1,650	1.75	1,160	1,220	▲	■	▲	■	■	▲	■	△	▲	▲	■	▲	▲	▲	▲	■	▲	▲	▲	▲			
	1,550	1.85	1,170	1,230	■	▲	■	△	▲	■	△	△	▲	■	■	■	▲	▲	▲	■	▲	▲	▲	▲			
	1,650	2.00	1,210	1,270	▲	■	△	△	■	■	△	-	■	■	▲	△	■	▲	■	△	▲	▲	▲	■			
1,750	2.15	1,260	1,320	■	△	△	△	△	△	△	-	▲	▲	■	△	▲	■	△	△	▲	▲	▲	■				
HD <sup>2)</sup>	1,050	1.00	1,000	1,050	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲			
	1,250	1.25	1,140	1,200	▲	▲	▲	■	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲			
	1,400	1.45	1,230	1,290	▲	▲	▲	■	▲	▲	■	■	▲	▲	▲	■	▲	▲	▲	■	▲	▲	▲	▲			
	1,550	1.60	1,290	1,350	▲	■	■	■	■	■	▲	△	▲	▲	■	■	▲	▲	▲	▲	▲	▲	▲	▲			
	1,650	1.75	1,350	1,410	■	▲	■	△	■	▲	▲	△	▲	▲	■	▲	▲	▲	▲	■	▲	▲	▲	▲			
	1,550	1.85	1,340	1,400	■	▲	■	△	▲	■	△	△	▲	■	▲	■	■	▲	■	△	▲	▲	▲	■			
	1,650	2.00	1,400	1,460	▲	■	△	△	■	△	△	-	■	▲	■	△	▲	■	△	△	▲	▲	▲	■			
1,750	2.15	1,450	1,510	■	△	△	-	△	△	-	-	▲	■	△	△	■	■	△	-	▲	▲	■	▲				

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

<sup>1)</sup> Standard bucket with teeth Z 50

<sup>2)</sup> HD bucket with teeth Z 50

<sup>3)</sup> Bucket for direct mounting

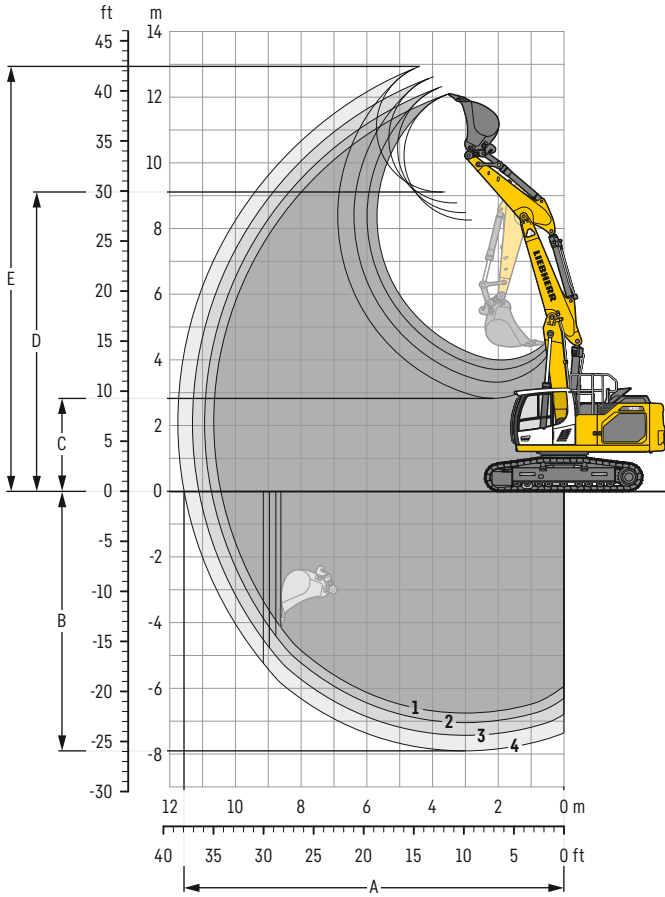
<sup>4)</sup> Bucket for mounting to quick coupler SWA 66 (350 kg)

Other buckets available upon request

Max. material weight ▲ = ≤ 2.0t/m<sup>3</sup>, ■ = ≤ 1.8t/m<sup>3</sup>, ▲ = ≤ 1.65t/m<sup>3</sup>, ■ = ≤ 1.5t/m<sup>3</sup>, △ = ≤ 1.2t/m<sup>3</sup>, - = not authorised

# Backhoe bucket

with two-piece boom 6.40 m



## Digging envelope

with quick coupler		1	2	3	4
Stick length	m	2.50	2.80	3.20	3.70
A Max. reach at ground level	m	10.45	10.73	11.11	11.56
B Max. digging depth	m	6.75	7.05	7.43	7.91
C Min. dumping height	m	4.00	3.71	3.32	2.83
D Max. dumping height	m	8.26	8.49	8.79	9.11
E Max. cutting height	m	12.09	12.32	12.62	12.93

## Forces

without quick coupler		1	2	3	4
Stick digging force (ISO 6015)	kN	168	156	142	128
Bucket digging force (ISO 6015)	kN	204	204	204	204
Stick digging force (SAE J1179)	kN	160	149	136	123
Bucket digging force (SAE J1179)	kN	178	178	178	178

## Operating weight and ground pressure

The operating weight includes the basic machine with counterweight 5.1t, two-piece boom 6.40 m, stick 3.20 m, quick coupler SWA 66 (350 kg) and bucket 1.60 m<sup>3</sup> (1,170 kg).

Undercarriage		NLC				
Pad width	mm	600	700	750	800	900
Weight	kg	31,300	31,650	31,850	32,000	32,350
Ground pressure	kg/cm <sup>2</sup>	0.61	0.53	0.50	0.47	0.42

Undercarriage		LC				
Pad width	mm	600	700	750	800	900
Weight	kg	31,400	31,750	31,950	32,100	32,450
Ground pressure	kg/cm <sup>2</sup>	0.61	0.53	0.50	0.47	0.42

Undercarriage		LC-V				
Pad width	mm	600	700	750	800	900
Weight	kg	35,400	35,800	36,050	36,250	36,650
Ground pressure	kg/cm <sup>2</sup>	0.66	0.57	0.54	0.51	0.46

The operating weight includes the basic machine with counterweight 6.2t, two-piece boom 6.40 m, stick 3.20 m, quick coupler SWA 66 (350 kg) and bucket 1.60 m<sup>3</sup> (1,170 kg).

Undercarriage		NLC				
Pad width	mm	600	700	750	800	900
Weight	kg	32,400	32,750	32,950	33,100	33,450
Ground pressure	kg/cm <sup>2</sup>	0.63	0.55	0.51	0.48	0.43

Undercarriage		LC				
Pad width	mm	600	700	750	800	900
Weight	kg	32,500	32,850	33,050	33,200	33,550
Ground pressure	kg/cm <sup>2</sup>	0.63	0.55	0.51	0.48	0.43

Undercarriage		LC-V				
Pad width	mm	600	700	750	800	900
Weight	kg	36,500	36,900	37,150	37,350	37,750
Ground pressure	kg/cm <sup>2</sup>	0.68	0.59	0.55	0.52	0.47

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

Cutting width mm	Capacity ISO 7451 m <sup>3</sup>	Weight <sup>3)</sup> kg	Weight <sup>4)</sup> kg	NLC undercarriage (with track pads 600 mm)								LC undercarriage (with track pads 600 mm)								LC-V undercarriage (with track pads 600 mm)							
				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			
2.50	2.80	3.20	3.70	2.50	2.80	3.20	3.70	2.50	2.80	3.20	3.70	2.50	2.80	3.20	3.70	2.50	2.80	3.20	3.70	2.50	2.80	3.20	3.70				
<b>with counterweight 5.1 t</b>																											
STD <sup>1)</sup>	1,050	1.00	870	930	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲			
	1,250	1.25	1,000	1,050	▲	▲	▲	■	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲			
	1,400	1.45	1,070	1,130	▲	▲	■	■	▲	■	▲	△	▲	▲	▲	■	▲	▲	■	▲	▲	▲	▲	▲			
	1,550	1.60	1,110	1,170	■	■	■	△	■	▲	△	△	▲	▲	■	▲	▲	■	▲	■	▲	▲	▲	▲			
	1,650	1.75	1,160	1,220	▲	■	△	△	■	△	△	-	▲	■	▲	■	■	▲	■	△	▲	▲	▲	▲			
	1,550	1.85	1,170	1,230	▲	■	△	△	▲	△	△	-	■	▲	■	△	▲	■	△	△	▲	▲	▲	■			
	1,650	2.00	1,210	1,270	■	△	△	-	△	△	-	-	▲	■	▲	△	▲	△	△	-	▲	▲	▲	▲			
	1,750	2.15	1,260	1,320	△	△	-	-	△	-	-	-	■	△	△	-	△	△	△	-	▲	▲	■	▲			
HD <sup>2)</sup>	1,050	1.00	1,000	1,050	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲			
	1,250	1.25	1,140	1,200	▲	▲	▲	■	▲	▲	■	▲	▲	▲	▲	■	▲	▲	▲	■	▲	▲	▲	▲			
	1,400	1.45	1,230	1,290	▲	■	▲	■	■	▲	■	△	▲	▲	▲	▲	▲	▲	■	■	▲	▲	▲	▲			
	1,550	1.60	1,290	1,350	■	▲	■	△	▲	■	△	△	■	■	▲	■	■	■	■	△	▲	▲	▲	▲			
	1,650	1.75	1,350	1,410	▲	■	△	△	▲	△	△	-	■	▲	■	△	▲	■	△	△	▲	▲	▲	■			
	1,550	1.85	1,340	1,400	■	△	△	-	△	△	-	-	■	▲	■	△	▲	■	△	△	▲	▲	▲	▲			
	1,650	2.00	1,400	1,460	△	△	△	-	△	△	-	-	▲	■	△	△	■	△	△	-	▲	▲	■	■			
	1,750	2.15	1,450	1,510	△	△	-	-	△	-	-	-	■	△	△	-	△	△	-	-	▲	■	▲	■			
<b>with counterweight 6.2 t</b>																											
STD <sup>1)</sup>	1,050	1.00	870	930	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲			
	1,250	1.25	1,000	1,050	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲			
	1,400	1.45	1,070	1,130	▲	▲	▲	■	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲			
	1,550	1.60	1,110	1,170	▲	▲	■	▲	▲	■	▲	■	▲	▲	▲	■	▲	▲	▲	■	▲	▲	▲	▲			
	1,650	1.75	1,160	1,220	▲	■	▲	■	■	▲	■	△	▲	▲	■	▲	▲	▲	■	■	▲	▲	▲	▲			
	1,550	1.85	1,170	1,230	■	▲	■	△	■	▲	■	△	▲	▲	■	▲	▲	■	▲	■	▲	▲	▲	▲			
	1,650	2.00	1,210	1,270	▲	■	△	△	▲	■	△	△	■	■	▲	■	■	▲	■	△	▲	▲	▲	■			
	1,750	2.15	1,260	1,320	■	■	△	△	■	△	△	-	■	▲	■	△	▲	■	△	△	▲	▲	▲	▲			
HD <sup>2)</sup>	1,050	1.00	1,000	1,050	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲			
	1,250	1.25	1,140	1,200	▲	▲	▲	■	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲			
	1,400	1.45	1,230	1,290	▲	▲	▲	■	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	■	▲	▲	▲	▲			
	1,550	1.60	1,290	1,350	▲	▲	■	■	▲	■	▲	△	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲			
	1,650	1.75	1,350	1,410	■	■	▲	△	■	▲	■	△	▲	▲	■	▲	▲	■	▲	■	▲	▲	▲	▲			
	1,550	1.85	1,340	1,400	■	▲	■	△	▲	■	△	△	▲	■	▲	■	■	■	▲	△	▲	▲	▲	▲			
	1,650	2.00	1,400	1,460	▲	■	△	△	■	△	△	-	■	▲	■	△	■	▲	■	△	▲	▲	▲	■			
	1,750	2.15	1,450	1,510	■	△	△	-	△	△	-	-	▲	■	△	△	▲	■	△	△	▲	▲	■	▲			

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

<sup>1)</sup> Standard bucket with teeth Z 50

<sup>2)</sup> HD bucket with teeth Z 50

<sup>3)</sup> Bucket for direct mounting

<sup>4)</sup> Bucket for mounting to quick coupler SWA 66 (350 kg)

Other buckets available upon request

Max. material weight ▲ = ≤ 2.0t/m<sup>3</sup>, ■ = ≤ 1.8t/m<sup>3</sup>, ▲ = ≤ 1.65t/m<sup>3</sup>, ■ = ≤ 1.5t/m<sup>3</sup>, △ = ≤ 1.2t/m<sup>3</sup>, - = not authorised

# Lift capacities

with mono boom 6.20 m, counterweight 5.1 t and track pads 600 mm

## Stick 2.50 m

Under-carriage m	3.0m		4.5m		6.0m		7.5m		9.0m		m
9.0											
7.5											
6.0											
4.5											
3.0											
1.5											
0											
-1.5	13.0*	13.0*									
-3.0	15.9*	15.9*									
-4.5											
-6.0											
9.0											
7.5											
6.0											
4.5											
3.0											
1.5											
0											
-1.5	13.0*	13.0*									
-3.0	15.9*	15.9*									
-4.5											
-6.0											
9.0											
7.5											
6.0											
4.5											
3.0											
1.5											
0											
-1.5	13.0*	13.0*									
-3.0	15.9*	15.9*									
-4.5											
-6.0											
9.0											
7.5											
6.0											
4.5											
3.0											
1.5											
0											
-1.5	13.0*	13.0*									
-3.0	15.9*	15.9*									
-4.5											
-6.0											

## Stick 2.80 m

Under-carriage m	3.0m		4.5m		6.0m		7.5m		9.0m		m
9.0											
7.5											
6.0											
4.5											
3.0											
1.5											
0											
-1.5	12.5*	12.5*									
-3.0	17.1*	17.1*									
-4.5	12.1*	12.1*									
-6.0											
9.0											
7.5											
6.0											
4.5											
3.0											
1.5											
0											
-1.5	12.5*	12.5*									
-3.0	17.1*	17.1*									
-4.5	12.1*	12.1*									
-6.0											
9.0											
7.5											
6.0											
4.5											
3.0											
1.5											
0											
-1.5	12.5*	12.5*									
-3.0	17.1*	17.1*									
-4.5	12.1*	12.1*									
-6.0											
9.0											
7.5											
6.0											
4.5											
3.0											
1.5											
0											
-1.5	13.2*	13.2*									
-3.0	16.7*	16.7*									
-4.5	11.5*	11.5*									
-6.0											

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 410 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.

Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.

### Stick 3.20 m

Under-carriage m	3.0m		4.5m		6.0m		7.5m		9.0m		m
9.0									6.9*	6.9*	5.8
7.5									5.4	6.3*	7.2
6.0					7.3	8.4*	5.1	7.8*	4.4	6.1*	8.2
4.5			10.8	11.4*	7.0	9.3*	4.9	8.1	3.9	6.2*	8.7
3.0			9.9	14.0*	6.5	10.5*	4.7	7.8	3.6	5.9	9.0
1.5			9.1	15.8*	6.2	10.7	4.5	7.6	3.5	5.8	9.0
0	6.5*	6.5*	8.8	16.3*	5.9	10.4	4.4	7.4	3.5	5.9	8.8
-1.5	12.0*	12.0*	8.7	15.7*	5.8	10.3	4.3	7.4	3.8	6.4	8.3
-3.0	17.3	18.6*	8.8	14.0*	5.9	10.3			4.4	7.5	7.5
-4.5	14.0*	14.0*	9.1	10.9*	6.1	8.0*			5.9	7.6*	6.2
-6.0											
9.0									6.9*	6.9*	5.8
7.5									5.9	6.3*	7.2
6.0					8.0	8.4*	5.6	7.8*	4.8	6.1*	8.2
4.5			11.4*	11.4*	7.6	9.3*	5.4	8.2	4.2	6.2*	8.7
3.0			11.0	14.0*	7.2	10.5*	5.2	7.9	3.9	6.0	9.0
1.5			10.2	15.8*	6.8	10.8	5.0	7.7	3.8	5.9	9.0
0	6.5*	6.5*	9.8	16.3*	6.6	10.5	4.8	7.5	3.9	6.0	8.8
-1.5	12.0*	12.0*	9.8	15.7*	6.5	10.4	4.8	7.5	4.2	6.5	8.3
-3.0	18.6*	18.6*	9.9	14.0*	6.5	10.5			4.9	7.6	7.5
-4.5	14.0*	14.0*	10.2	10.9*	6.7	8.0*			6.5	7.6*	6.2
-6.0											
9.0									6.8*	6.8*	5.8
7.5									6.3*	6.3*	7.2
6.0					8.4*	8.4*	6.9	7.8*	5.9	6.1*	8.2
4.5	17.0*	17.0*	11.7*	11.7*	9.4*	9.4*	6.7	8.2*	5.3	6.2*	8.7
3.0			13.9	14.2*	9.0	10.6*	6.5	8.8*	5.0	6.6*	9.0
1.5			13.1	15.9*	8.6	11.6*	6.3	9.2	4.9	7.0	9.0
0	7.0*	7.0*	12.8	16.3*	8.4	12.1*	6.2	9.0	5.0	7.2	8.8
-1.5	12.5*	12.5*	12.7	15.5*	8.3	11.8*	6.1	9.0	5.4	7.9	8.3
-3.0	18.3*	18.3*	12.9	13.8*	8.4	10.5*			6.3	8.0*	7.5
-4.5	13.5*	13.5*	10.5*	10.5*	7.6*	7.6*			7.5*	7.5*	6.2
-6.0											

### Stick 3.70 m

Under-carriage m	3.0m		4.5m		6.0m		7.5m		9.0m		m		
9.0											5.7*	5.7*	6.5
7.5											4.9	5.3*	7.8
6.0							5.2	6.0*			4.0	5.1*	8.6
4.5							5.2	7.3*			3.6	5.2*	9.2
3.0			11.4*	11.4*	10.1	13.1*	7.1	8.7*	5.0	7.8*	3.7	5.9*	9.2
1.5					9.3	15.3*	6.2	10.7	4.5	7.6	3.5	5.8	9.2
0	7.6*	7.6*	8.8	16.2*	5.9	10.4	4.3	7.4	3.4	5.7	3.2	5.5	9.2
-1.5	11.6*	11.6*	8.6	15.9*	5.8	10.2	4.3	7.3			3.5	5.9	8.8
-3.0	17.0*	17.0*	8.7	14.6*	5.7	10.2	4.3	7.3			3.9	6.7	8.0
-4.5	16.1*	16.1*	8.9	12.1*	5.9	9.1*					5.0	7.6*	6.8
-6.0			7.1*	7.1*							6.5*	6.5*	4.9
9.0											5.7*	5.7*	6.5
7.5							5.7	6.0*			5.3*	5.3*	7.8
6.0							5.6	7.3*			4.4	5.1*	8.6
4.5							7.7	8.7*	5.5	7.8*	4.0	5.9*	9.2
3.0			11.4*	11.4*	11.2	13.1*	7.3	10.0*	5.2	8.0	3.9	6.0	9.4
1.5					10.3	15.3*	6.8	10.9	5.0	7.7	3.8	5.8	9.5
0	7.6*	7.6*	9.9	16.2*	6.5	10.5	4.8	7.5	3.7	5.8	3.6	5.5	9.2
-1.5	11.6*	11.6*	9.7	15.9*	6.4	10.3	4.7	7.4			3.8	5.9	8.8
-3.0	17.0*	17.0*	9.7	14.6*	6.4	10.3	4.7	7.4			4.4	6.8	8.0
-4.5	16.1*	16.1*	10.0	12.1*	6.5	9.1*					5.6	7.6*	6.8
-6.0			7.1*	7.1*							6.5*	6.5*	4.9
9.0											5.6*	5.6*	6.5
7.5							6.2*	6.2*			5.2*	5.2*	7.8
6.0							7.0	7.3*			5.1*	5.1*	8.6
4.5							8.8*	8.8*	6.8	7.8*	5.1	6.1*	9.2
3.0			9.7*	9.7*	13.3*	13.3*	9.1	10.1*	6.5	8.5*	5.0	7.1	9.4
1.5			5.3*	5.3*	13.3	15.4*	8.7	11.3*	6.3	9.1*	4.9	7.0	9.5
0	7.9*	7.9*	12.8	16.2*	8.4	11.9*	6.1	9.0	4.8	6.9	4.6	6.5*	9.2
-1.5	12.0*	12.0*	12.6	15.9*	8.2	11.9*	6.0	8.9			5.0	7.2	8.8
-3.0	17.6*	17.6*	12.7	14.5*	8.2	11.0*	6.1	8.4*			5.7	7.7*	8.0
-4.5	15.7*	15.7*	11.8*	11.8*	8.4	8.8*					7.3	7.5*	6.8
-6.0													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. 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 410 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.

Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.

# Lift capacities

with mono boom 6.20 m, counterweight 6.2 t and track pads 600 mm

## Stick 2.50 m

Under-carriage m	3.0m		4.5m		6.0m		7.5m		9.0m		m
9.0											
7.5											
6.0											
4.5											
3.0											
1.5											
0											
-1.5	13.0*	13.0*									
-3.0	15.9*	15.9*									
-4.5											
-6.0											
9.0											
7.5											
6.0											
4.5											
3.0											
1.5											
0											
-1.5	13.0*	13.0*									
-3.0	15.9*	15.9*									
-4.5											
-6.0											
9.0											
7.5											
6.0											
4.5											
3.0											
1.5											
0											
-1.5	13.0*	13.0*									
-3.0	15.9*	15.9*									
-4.5											
-6.0											
9.0											
7.5											
6.0											
4.5											
3.0											
1.5											
0											
-1.5	13.0*	13.0*									
-3.0	15.9*	15.9*									
-4.5											
-6.0											

## Stick 2.80 m

Under-carriage m	3.0m		4.5m		6.0m		7.5m		9.0m		m
9.0											
7.5											
6.0											
4.5											
3.0											
1.5											
0											
-1.5	12.5*	12.5*									
-3.0	17.1*	17.1*									
-4.5	12.1*	12.1*									
-6.0											
9.0											
7.5											
6.0											
4.5											
3.0											
1.5											
0											
-1.5	12.5*	12.5*									
-3.0	17.1*	17.1*									
-4.5	12.1*	12.1*									
-6.0											
9.0											
7.5											
6.0											
4.5											
3.0											
1.5											
0											
-1.5	12.5*	12.5*									
-3.0	17.1*	17.1*									
-4.5	12.1*	12.1*									
-6.0											
9.0											
7.5											
6.0											
4.5											
3.0											
1.5											
0											
-1.5	12.5*	12.5*									
-3.0	17.1*	17.1*									
-4.5	12.1*	12.1*									
-6.0											

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 410 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.

Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.



### Stick 3.20 m

Under-carriage m	3.0m		4.5m		6.0m		7.5m		9.0m		Max. reach m
	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	
9.0									6.9*	6.9*	5.8
7.5									6.0	6.3*	7.2
6.0					8.0	8.4*	5.6	7.8*	4.9	6.1*	8.2
4.5			11.4*	11.4*	7.7	9.3*	5.5	8.2*	4.3	6.2*	8.7
3.0			10.9	14.0*	7.3	10.5*	5.3	8.6	4.0	6.4*	9.0
1.5			10.2	15.8*	6.9	11.6*	5.1	8.3	3.9	6.4	9.0
0	6.5*	6.5*	9.9	16.3*	6.6	11.4	4.9	8.2	4.0	6.5	8.8
-1.5	12.0*	12.0*	9.8	15.7*	6.5	11.3	4.9	8.1	4.3	7.0	8.3
-3.0	18.6*	18.6*	9.9	14.0*	6.6	10.7*			5.0	8.0*	7.5
-4.5	14.0*	14.0*	10.2	10.9*	6.8	8.0*			6.6	7.6*	6.2
-6.0											
9.0									6.9*	6.9*	5.8
7.5									6.3*	6.3*	7.2
6.0					8.4*	8.4*	6.1	7.8*	5.3	6.1*	8.2
4.5			11.4*	11.4*	8.4	9.3*	6.0	8.2*	4.7	6.2*	8.7
3.0			12.1	14.0*	7.9	10.5*	5.8	8.6	4.4	6.4*	9.0
1.5			11.3	15.8*	7.6	11.6*	5.6	8.4	4.3	6.4	9.0
0	6.5*	6.5*	11.0	16.3*	7.3	11.5	5.4	8.2	4.4	6.6	8.8
-1.5	12.0*	12.0*	10.9	15.7*	7.2	11.4	5.3	8.2	4.7	7.1	8.3
-3.0	18.6*	18.6*	11.0	14.0*	7.3	10.7*			5.5	8.0*	7.5
-4.5	14.0*	14.0*	10.9*	10.9*	7.5	8.0*			7.2	7.6*	6.2
-6.0											
9.0									6.8*	6.8*	5.8
7.5									6.3*	6.3*	7.2
6.0					8.4*	8.4*	7.5	7.8*	6.1*	6.1*	8.2
4.5	17.0*	17.0*	11.7*	11.7*	9.4*	9.4*	7.3	8.2*	5.8	6.2*	8.7
3.0			14.2*	14.2*	9.8	10.6*	7.1	8.8*	5.4	6.5*	9.0
1.5			14.3	15.9*	9.4	11.6*	6.9	9.3*	5.4	7.2*	9.0
0	7.0*	7.0*	14.0	16.3*	9.2	12.1*	6.8	9.5*	5.5	7.8	8.8
-1.5	12.5*	12.5*	13.9	15.5*	9.1	11.8*	6.7	9.2*	6.0	8.1*	8.3
-3.0	18.3*	18.3*	13.8*	13.8*	9.2	10.5*			7.0	8.0*	7.5
-4.5	13.5*	13.5*	10.5*	10.5*	7.6*	7.6*			7.5*	7.5*	6.2
-6.0											

### Stick 3.70 m

Under-carriage m	3.0m		4.5m		6.0m		7.5m		9.0m		Max. reach m				
	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage					
9.0											5.7*	5.7*	6.5		
7.5												5.3*	5.3*	7.8	
6.0									5.7	7.3*		4.5	5.1*	8.6	
4.5							7.8	8.7*	5.5	7.8*	4.1	5.9*	4.0	5.2*	9.2
3.0	11.4*	11.4*	11.2	13.1*	7.3	10.0*	5.3	8.4*	4.0	6.5	3.7	5.4*	3.7	5.4*	9.4
1.5			10.3	15.3*	6.9	11.2*	5.1	8.3	3.9	6.3	3.6	5.8*	3.6	5.8*	9.5
0	7.6*	7.6*	9.9	16.2*	6.6	11.4	4.9	8.1	3.8	6.2	3.7	6.0	3.7	6.0	9.2
-1.5	11.6*	11.6*	9.7	15.9*	6.5	11.2	4.8	8.0			3.9	6.4	3.9	6.4	8.8
-3.0	17.0*	17.0*	9.7	14.6*	6.5	11.1*	4.8	8.0			4.5	7.4	4.5	7.4	8.0
-4.5	16.1*	16.1*	10.0	12.1*	6.6	9.1*					5.7	7.6*	5.7	7.6*	6.8
-6.0			7.1*	7.1*							6.5*	6.5*	6.5*	6.5*	4.9
9.0												5.7*	5.7*	6.5	
7.5									6.0*	6.0*		5.3*	5.3*	7.8	
6.0									6.2	7.3*		4.9	5.1*	8.6	
4.5							8.5	8.7*	6.0	7.8*	4.5	5.9*	4.3	5.2*	9.2
3.0	11.4*	11.4*	12.3	13.1*	8.0	10.0*	5.8	8.4*	4.4	6.5	4.1	5.4*	4.1	5.4*	9.4
1.5			11.4	15.3*	7.6	11.2*	5.5	8.4	4.3	6.4	4.0	5.8*	4.0	5.8*	9.5
0	7.6*	7.6*	11.0	16.2*	7.3	11.5	5.4	8.2	4.2	6.3	4.0	6.1	4.0	6.1	9.2
-1.5	11.6*	11.6*	10.8	15.9*	7.1	11.3	5.3	8.1			4.3	6.5	4.3	6.5	8.8
-3.0	17.0*	17.0*	10.8	14.6*	7.1	11.1*	5.3	8.1			4.9	7.5	4.9	7.5	8.0
-4.5	16.1*	16.1*	11.1	12.1*	7.3	9.1*					6.2	7.6*	6.2	7.6*	6.8
-6.0			7.1*	7.1*							6.5*	6.5*	6.5*	6.5*	4.9
9.0												5.6*	5.6*	6.5	
7.5												5.2*	5.2*	7.8	
6.0									7.3*	7.3*		5.1*	5.1*	8.6	
4.5							8.8*	8.8*	7.4	7.8*	5.6	6.1*	5.2*	5.2*	9.2
3.0	9.7*	9.7*	13.3*	13.3*	9.9	10.1*	7.1	8.5*	5.5	7.4*	5.1	5.4*	5.1	5.4*	9.4
1.5	5.3*	5.3*	14.5	15.4*	9.5	11.3*	6.9	9.1*	5.3	7.6	5.0	5.8*	5.0	5.8*	9.5
0	7.9*	7.9*	14.0	16.2*	9.2	11.9*	6.7	9.4*	5.2	7.5	5.1	6.5*	5.1	6.5*	9.2
-1.5	12.0*	12.0*	13.9	15.9*	9.0	11.9*	6.6	9.3*			5.5	7.7*	5.5	7.7*	8.8
-3.0	17.6*	17.6*	13.9	14.5*	9.0	11.0*	6.7	8.4*			6.3	7.7*	6.3	7.7*	8.0
-4.5	15.7*	15.7*	11.8*	11.8*	8.8*	8.8*					7.5*	7.5*	7.5*	7.5*	6.8
-6.0															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 600mm 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 410 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. Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.



### Stick 3.20 m

Under-carriage m	3.0m		4.5m		6.0m		7.5m		9.0m		m
10.5											
9.0											6.5 6.9*
7.5											6.4
6.0											4.8 6.3*
4.5											7.8
3.0											3.9 6.1*
1.5											8.6
0											9.2
-1.5											9.4
-3.0											9.5
-4.5											9.2
10.5											6.5 6.9*
9.0											6.4
7.5											4.8 6.3*
6.0											7.8
4.5											3.9 6.1*
3.0											8.6
1.5											9.2
0											9.4
-1.5											9.5
-3.0											9.2
-4.5											9.2
10.5											6.5 6.9*
9.0											6.4
7.5											4.8 6.3*
6.0											7.8
4.5											3.9 6.1*
3.0											8.6
1.5											9.2
0											9.4
-1.5											9.5
-3.0											9.2
-4.5											9.2

### Stick 3.70 m

Under-carriage m	3.0m		4.5m		6.0m		7.5m		9.0m		m
10.5											
9.0											6.7* 6.7*
7.5											5.2
6.0											6.7* 6.7*
4.5											5.2
3.0											5.6 5.7*
1.5											7.1
0											8.3
-1.5											8.3
-3.0											8.3
-4.5											8.3
10.5											6.7* 6.7*
9.0											5.2
7.5											6.7* 6.7*
6.0											5.6 5.7*
4.5											7.1
3.0											8.3
1.5											8.3
0											8.3
-1.5											8.3
-3.0											8.3
-4.5											8.3
10.5											6.7* 6.7*
9.0											5.2
7.5											6.7* 6.7*
6.0											5.6 5.7*
4.5											7.1
3.0											8.3
1.5											8.3
0											8.3
-1.5											8.3
-3.0											8.3
-4.5											8.3











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 410 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. Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.










# Lift capacities

with mono boom straight 6.50 m, counterweight 6.2 t and track pads 600 mm

## Stick 2.50 m

Under-carriage m	3.0m		4.5m		6.0m		7.5m		9.0m		m
											
10.5											
9.0											9.3 9.4*
7.5											6.3 8.4*
6.0											8.0 9.7*
4.5											5.1 8.1*
3.0											5.5 8.8
1.5											4.1 6.7
0											4.1 6.6
-1.5											4.2 6.8
-3.0											4.5 7.4*
-4.5											5.4 6.5*
10.5											9.4* 9.4*
9.0											8.2* 8.2*
7.5											6.8 8.4*
6.0											5.5 8.1*
4.5											5.5 8.7
3.0											4.9 7.2
1.5											4.5 6.8
0											4.4 6.6
-1.5											4.6 6.9
-3.0											5.0 7.4*
-4.5											5.9 6.5*
10.5											9.2* 9.2*
9.0											8.2 8.4*
7.5											6.7 8.1*
6.0											6.0 8.1*
4.5											6.0 8.1*
3.0											5.6 8.0
1.5											5.5 7.9
0											5.7 7.7*
-1.5											6.3 7.3*
-3.0											6.4* 6.4*
-4.5											7.2

## Stick 2.80 m

Under-carriage m	3.0m		4.5m		6.0m		7.5m		9.0m		m
											
10.5											
9.0											8.2* 8.2*
7.5											5.8 7.4*
6.0											5.8 7.4*
4.5											5.8 7.4*
3.0											5.8 7.4*
1.5											5.8 7.4*
0											5.8 7.4*
-1.5											5.8 7.4*
-3.0											5.8 7.4*
-4.5											5.8 7.4*
10.5											8.2* 8.2*
9.0											6.3 7.4*
7.5											5.2 7.1*
6.0											4.6 6.8
4.5											4.6 6.8
3.0											4.6 6.8
1.5											4.6 6.8
0											4.6 6.8
-1.5											4.6 6.8
-3.0											4.6 6.8
-4.5											4.6 6.8
10.5											8.2* 8.2*
9.0											8.0* 8.0*
7.5											7.3* 7.3*
6.0											6.3 7.1*
4.5											6.3 7.1*
3.0											6.3 7.1*
1.5											6.3 7.1*
0											6.3 7.1*
-1.5											6.3 7.1*
-3.0											6.3 7.1*
-4.5											6.3 7.1*

 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 600mm 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 410 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.

Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.

### Stick 3.20 m

Under-carriage m	3.0m		4.5m		6.0m		7.5m		9.0m		m	
10.5												
9.0										6.9*	6.9*	6.4
7.5										5.3	6.3*	7.8
6.0										4.4	6.1*	8.6
4.5												9.2
3.0										4.0	6.5	9.4
1.5										3.8	6.3	9.5
0										3.8	6.2	9.2
-1.5	9.1*	9.1*								3.9	6.5	8.8
-3.0	14.4*	14.4*								4.5	6.4*	8.0
-4.5										5.2*	5.2*	6.8
10.5												
9.0										6.9*	6.9*	6.4
7.5										5.8	6.3*	7.8
6.0										4.8	6.1*	8.6
4.5												9.2
3.0										4.4	6.6	9.4
1.5										4.2	6.4	9.5
0										4.2	6.3	9.2
-1.5	9.1*	9.1*								4.3	6.5	8.8
-3.0	14.4*	14.4*								4.9	6.4*	8.0
-4.5										5.2*	5.2*	6.8
10.5												
9.0										6.8*	6.8*	6.4
7.5										6.3*	6.3*	7.8
6.0										5.9	6.1*	8.6
4.5												9.2
3.0										5.5	7.3*	9.4
1.5										5.4	7.6	9.5
0										5.1	7.2*	9.2
-1.5	9.6*	9.6*								5.5	6.9*	8.8
-3.0	14.0*	14.0*								6.3*	6.3*	8.0
-4.5										5.1*	5.1*	6.8

### Stick 3.70 m

Under-carriage m	3.0m		4.5m		6.0m		7.5m		9.0m		m	
10.5												
9.0												5.2
7.5												7.1
6.0												8.3
4.5												9.1
3.0												9.9
1.5												9.9
0												9.7
-1.5	4.9*	4.9*										9.2
-3.0	14.1*	14.1*										8.5
-4.5	11.9*	11.9*										7.4
10.5												
9.0												5.2
7.5												7.1
6.0												8.3
4.5												9.1
3.0												9.6
1.5												9.9
0												9.9
-1.5	4.9*	4.9*										9.7
-3.0	14.1*	14.1*										9.2
-4.5	11.9*	11.9*										8.5
10.5												
9.0												5.2
7.5												7.1
6.0												8.3
4.5												9.1
3.0												9.6
1.5												9.9
0												9.9
-1.5	4.9*	4.9*										9.7
-3.0	14.1*	14.1*										9.2
-4.5	11.9*	11.9*										8.5
10.5												
9.0												5.2
7.5												7.1
6.0												8.3
4.5												9.1
3.0												9.6
1.5												9.9
0												9.9
-1.5	4.9*	4.9*										9.7
-3.0	14.1*	14.1*										9.2
-4.5	11.9*	11.9*										8.5
10.5												
9.0												5.2
7.5												7.1
6.0												8.3
4.5												9.1
3.0												9.6
1.5												9.9
0												9.9
-1.5	4.9*	4.9*										9.7
-3.0	14.1*	14.1*										9.2
-4.5	11.9*	11.9*										8.5

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 600mm 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 410 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.

Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.

# Lift capacities

with two-piece boom 6.40 m, counterweight 5.1 t and track pads 600 mm

## Stick 2.50 m

Under-carriage m	3.0m	4.5m	6.0m	7.5m	9.0m	Max. reach	
						In longitudinal position of undercarriage	Can be slewed through 360°
10.5						9.1	9.5*
9.0		11.3* 11.3*				5.9	8.4*
7.5		11.4* 11.4*				4.7	7.7
6.0	13.6* 13.6*	11.6 13.3*	7.6 11.1*	5.0 8.2		4.0	6.7
4.5	20.5 20.9*	11.3 15.3*	7.4 11.5	5.0 8.2		3.7	6.3
3.0	19.9 20.9*	10.7 16.4*	7.0 11.3	4.9 8.1		3.6	6.1
1.5	13.5* 13.5*	9.9 16.3*	6.6 11.3	4.7 7.8		3.7	6.4
0	17.5 19.1*	9.3 16.4*	6.3 10.9	4.5 7.6		4.1	6.0*
-1.5	17.5 24.0*	9.1 16.3*	6.1 10.7	4.4 7.5		4.4*	4.4*
-3.0	17.7 21.3*	9.2 14.8*	6.0 9.4*			6.0*	6.0*
-4.5	13.6* 13.6*	7.2* 7.2*					
10.5		11.3* 11.3*				9.5*	9.5*
9.0		11.4* 11.4*				6.5	8.4*
7.5		8.2 10.9*				5.1	7.8
6.0	13.6* 13.6*	12.6 13.3*	8.3 11.1*	5.5 8.3		4.5	6.8
4.5	20.9* 20.9*	12.2 15.3*	8.1 11.6	5.5 8.3		4.1	6.3
3.0	20.9* 20.9*	11.9 16.4*	7.7 11.4	5.4 8.2		4.0	6.2
1.5	13.5* 13.5*	11.0 16.3*	7.3 11.3	5.1 7.9		4.1	6.4
0	19.1* 19.1*	10.4 16.4*	6.9 11.0	5.0 7.7		4.5	6.0*
-1.5	20.1 24.0*	10.2 16.3*	6.8 10.8	4.8 7.6		4.4*	4.4*
-3.0	20.3 21.3*	10.3 14.8*	6.7 9.4*			6.0*	6.0*
-4.5	13.6* 13.6*	7.2* 7.2*					
10.5		11.3* 11.3*				9.3*	9.3*
9.0		11.5* 11.5*				7.8	8.4*
7.5		10.0 10.9*				6.3	8.1*
6.0	15.0* 15.0*	13.7* 13.7*	9.9 11.1*	6.9 9.5*		5.6	8.0
4.5	20.7* 20.7*	14.6 15.5*	9.8 11.7*	6.8 9.6*		5.2	7.6
3.0	20.3* 20.3*	14.3 16.4*	9.6 12.1*	6.7 9.5		5.1	7.5
1.5	13.8* 13.8*	13.9 16.3*	9.1 12.1*	6.5 9.4		5.3	6.9*
0	19.8* 19.8*	13.4 16.4*	8.8 12.1*	6.3 9.2		5.9	5.9*
-1.5	23.8* 23.8*	13.2 16.3*	8.6 12.0*	6.2 7.7*		4.2*	4.2*
-3.0	21.0* 21.0*	13.3 14.6*	8.5 8.9*				
-4.5	12.1* 12.1*						

## Stick 2.80 m

Under-carriage m	3.0m	4.5m	6.0m	7.5m	9.0m	Max. reach	
						In longitudinal position of undercarriage	Can be slewed through 360°
10.5						8.0	8.2*
9.0		10.2* 10.2*				5.5	7.4*
7.5		10.0* 10.0*				4.4	7.1*
6.0	10.1* 10.1*	11.6* 11.6*	7.6 9.9*	5.1 8.3		3.8	6.4
4.5	20.6 21.5*	11.3 14.9*	7.5 11.4*	5.1 8.3		3.5	5.9
3.0	20.0* 20.7*	10.9 16.2*	7.1 11.3	4.9 8.1		3.4	5.8
1.5	16.2* 16.2*	10.0 16.2*	6.6 11.2	4.7 7.9		3.5	6.0
0	17.5 19.1*	9.4 16.3*	6.3 10.9	4.5 7.6		3.8	6.0*
-1.5	17.3 24.4*	9.1 16.3*	6.1 10.7	4.3 7.5		4.5	4.6*
-3.0	17.5 22.1*	9.1 15.2*	5.9 10.3*			5.0*	5.0*
-4.5	16.2* 16.2*	9.2 9.4*					
10.5		10.2* 10.2*				8.2*	8.2*
9.0		10.0* 10.0*				6.0	7.4*
7.5		8.3 9.9*				4.8	7.1*
6.0	10.1* 10.1*	11.6* 11.6*	8.3 10.8*	5.6 8.4		4.2	6.4
4.5	21.5* 21.5*	12.2 14.9*	8.2 11.4*	5.6 8.4		3.9	6.0
3.0	20.7* 20.7*	12.0 16.2*	7.8 11.4	5.4 8.2		3.8	5.9
1.5	16.2* 16.2*	11.1 16.2*	7.3 11.3	5.2 8.0		3.9	6.1
0	19.1* 19.1*	10.4 16.3*	6.9 11.0	5.0 7.7		4.2	6.0*
-1.5	19.9 24.4*	10.2 16.3*	6.7 10.8	4.8 7.6		4.6*	4.6*
-3.0	20.1 22.1*	10.2 15.2*	6.6 10.3*			5.0*	5.0*
-4.5	16.2* 16.2*	9.4* 9.4*					
10.5		10.1* 10.1*				10.6*	10.6*
9.0		10.0* 10.0*				8.1*	8.1*
7.5		10.0* 10.0*				7.3	7.4*
6.0	10.9* 10.9*	11.9* 11.9*	10.0* 10.0*	7.0 9.3*		6.0	7.1*
4.5	21.3* 21.3*	14.6 15.1*	9.9 10.9*	6.9 9.4*		5.3	7.1*
3.0	20.8* 20.8*	14.3 16.3*	9.6 12.0*	6.8 9.4		5.0	7.2
1.5	16.2* 16.2*	14.0 16.2*	9.2 12.0*	6.5 9.4		4.9	7.1
0	19.6* 19.6*	13.4 16.3*	8.8 12.0*	6.3 9.2		5.0	6.7*
-1.5	24.3* 24.3*	13.1 16.3*	8.6 12.1*	6.2 8.5*		5.5	5.9*
-3.0	21.8* 21.8*	13.2 15.0*	8.5 10.0*			4.4*	4.4*
-4.5	15.0* 15.0*	8.5* 8.5*				5.3*	5.3*



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 410 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.

Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.







**Stick 3.20 m**

Under-carriage m	3.0m	4.5m	6.0m	7.5m	9.0m	Max. reach	m	
								NLC
10.5						8.8*	8.8*	4.0
9.0		8.8* 8.8*				7.0*	7.0*	6.3
7.5		8.3* 8.3*	8.4 8.6*	5.6 6.8*		5.5 6.3*	7.6	6.9
6.0		9.4* 9.4*	8.4 9.5*	5.8 8.7*		4.5 6.1*	8.5	8.1
4.5	21.4* 21.4*	12.2 14.3*	8.2 11.1*	5.7 8.9	4.0 6.3*	4.0 6.1*	9.0	9.0
3.0	20.7* 20.7*	11.9 15.9*	7.9 11.8*	5.6 8.8	4.0 6.5	3.7 6.1	9.3	9.1
1.5	19.7* 19.7*	11.1 16.2*	7.4 11.8	5.3 8.7	3.9 6.4	3.6 6.0	9.3	9.8
0	19.3* 19.3*	10.4 16.1*	7.0 11.8	5.1 8.4	3.8 6.3	3.7 6.2	9.1	9.6
-1.5	19.2 24.0*	10.1 16.3*	6.8 11.6	4.9 8.2		4.0 5.8*	8.6	9.1
-3.0	19.3 23.0*	10.0 15.6*	6.6 11.1*	4.8 6.4*		4.6 4.7*	7.8	8.3
-4.5	18.7* 18.7*	10.1 11.7*	5.9* 5.9*			4.1* 4.1*	6.3	7.2

**Stick 3.70 m**

Under-carriage m	3.0m	4.5m	6.0m	7.5m	9.0m	Max. reach	m	
								NLC
10.5		7.7* 7.7*				7.7*	7.7*	4.9
9.0			7.2* 7.2*			6.9*	6.9*	6.9
7.5			7.3* 7.3*	5.8 6.8*		5.8*	5.8*	8.1
6.0		7.3* 7.3*	8.0* 8.0*	5.9 7.6*		4.1 5.1*	9.0	8.1
4.5	13.8* 13.8*	11.2* 11.2*	8.2 10.0*	5.8 8.9	4.1 6.6	3.7 5.2*	9.5	9.5
3.0	21.0* 21.0*	11.9 15.4*	8.0 11.5*	5.6 8.7	4.0 6.5	3.4 5.3*	9.7	9.7
1.5	21.2 21.6*	11.4 16.1*	7.5 11.7	5.4 8.7	3.9 6.4	3.3 5.6	9.8	9.8
0	19.8 20.2*	10.6 16.0*	7.0 11.7	5.1 8.5	3.8 6.3	3.4 5.7	9.6	9.6
-1.5	19.2 22.7*	10.1 16.1*	6.7 11.6	4.9 8.2	3.7 6.1*	3.6 5.7*	9.1	9.1
-3.0	19.1 23.8*	9.9 15.9*	6.6 11.5	4.7 8.0*		4.1 4.8*	8.3	8.3
-4.5	19.4 20.6*	10.0 13.7*	6.5 8.4*			3.5* 3.5*	7.2	7.2



Height



Can be slewed through 360°



In longitudinal position of undercarriage



Max. reach

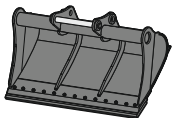
\* Limited by hydr. capacity

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 600mm 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 410 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.

Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.

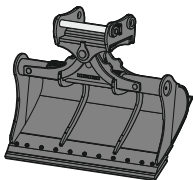
# Attachments



## Rigid ditch cleaning bucket

### GRL 05, for mounting to quick coupler SWA 66

Cutting width	mm	2,000	2,400	2,400
Capacity	m <sup>3</sup>	0.70	0.85	1.25
Weight	kg	546	635	685



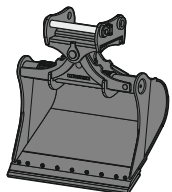
## Tiltable ditch cleaning bucket

### GRL 100, 2 x 50° tiltable, for direct mounting

Cutting width	mm	2,000	2,000	2,200	2,400	2,400
Capacity	m <sup>3</sup>	1.20	1.45	1.65	0.85	1.45
Weight	kg	1,520	1,600	1,680	1,475	1,620

### GRL 100, 2 x 50° tiltable, for mounting to quick coupler SWA 66

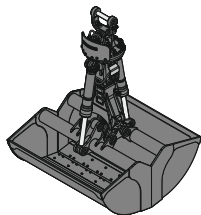
Cutting width	mm	2,000	2,000	2,200	2,400	2,400
Capacity	m <sup>3</sup>	1.20	1.45	1.65	0.85	1.45
Weight	kg	1,520	1,600	1,680	1,475	1,620



## Tilt bucket

### SL 100, 2 x 50° tiltable, for mounting to quick coupler SWA 66

Cutting width	mm	1,600	1,600	1,700	1,800
Capacity	m <sup>3</sup>	1.45	1.75	1.85	1.60
Weight	kg	1,520	1,635	1,695	1,620
HD version				X	



## Clamshell grab

### GMZ 30, clamshell buckets, for mounting to quick coupler SWA 48 (exists for direct mounting)

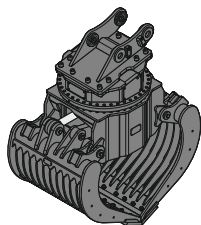
Cutting width	mm	600	800	1,000	1,200
Capacity	m <sup>3</sup>	0.38	0.52	0.65	0.80
Weight	kg	1,020	1,100	1,180	1,260

### GMZ 40, clamshell buckets, for mounting to quick coupler SWA 48 (exists for direct mounting)

Cutting width	mm	800	1,000	1,200	1,400	1,600
Capacity	m <sup>3</sup>	0.65	0.85	1.05	1.20	1.40
Weight	kg	1,320	1,405	1,495	1,580	1,670

### GMZ 80, clamshell buckets, for mounting to quick coupler SWA 66

Cutting width	mm	1,200	1,200	1,400	1,400	1,650	1,650	2,000	2,000
Capacity	m <sup>3</sup>	1.40	1.40	1.70	1.70	2.00	2.00	2.50	2.50
Weight	kg	2,170	2,130	2,275	2,225	2,415	2,345	2,595	2,520



## Sorting grab

		perforated			ribbed			closed			stone tong
<b>SG 30, for direct mounting</b>											
Cutting width	mm	1,000	1,200	1,400	1,000	1,200	1,400	1,000	1,200	1,400	1,020
Capacity	m <sup>3</sup>	0.85	1.00	1.15	0.75	0.90	1.05	0.85	1.00	1.15	0.85
Weight	kg	1,485	1,560	1,635	1,565	1,675	1,780	1,730	1,810	1,890	1,765
<b>SG 30, for mounting to quick coupler SWA 48</b>											
Cutting width	mm	1,000	1,200	1,400	1,000	1,200	1,400	1,000	1,200	1,400	1,020
Capacity	m <sup>3</sup>	0.85	1.00	1.15	0.75	0.90	1.05	0.85	1.00	1.15	0.85
Weight	kg	1,485	1,560	1,635	1,565	1,675	1,780	1,730	1,810	1,890	1,765
<b>SG 40, for mounting to quick coupler SWA 48 and SWA 66</b>											
Cutting width	mm	1,100	1,300		1,100	1,300					
Capacity	m <sup>3</sup>	1.30	1.60		1.10	1.40					
Weight	kg	2,230	2,800		2,320	2,900					

# Serial equipment

## Undercarriage

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

## 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 hood with gas spring opening
- Filters accessible from ground level
- Handrails
- Hydraulic oil level, visible from ground level
- Lockable service doors
- Lockable storage and accessories compartment
- Lockable storage box
- Main switch, accessible from ground level
- Main switch, electric, with timer
- Main switch, manual, lockable
- Positioning swing brake manual
- Protection grid on radiator fan
- Safe uppercarriage side access platform
- Sound insulation
- Swing-out radiators
- Windshield washer fluid tank, accessible from ground level

## Hydraulic system

- Dedicated swing circuit
- 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
- Engine oil dipstick
- Exhaust gas after-treatment system – DOC + SCR Filter
- Fixed geometry turbocharger
- Fuel fine filter
- Fuel pre-filter and water separator
- Fuel priming pump
- Intercooler
- Power Pack EU Stage V

## Cab

- 9" multifunction colour touchscreen
- Air conditioning, automatic, tri-zone, controlled via display
- Armrests adjustable in length, 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 (12V)
- Electric socket in cabin (24V)
- Emergency hammer
- Engine coolant level, visible from the cab
- 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 meter, 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
- Operating modes
- Power modes
- 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
- Shortcut buttons on joystick configurable
- Stepless adjustable engine speed
- Storage box
- Storage nets
- Storage spaces
- Swing braking torque adjustable via touchscreen
- Swing drive gearbox oil level, visible from the cab
- Tilttable console left
- Tinted windows
- Visco-elastic damping
- Windscreen wiper and washer

## Equipment

- Anti-drift system boom cylinders
- Anti-drift system stick cylinder
- Boom cylinders regeneration
- Pivot points made of cast steel
- SAE split flanges on high pressure lines
- Stick cylinder regeneration

# Equipment standard / option

## Undercarriage

Chain guide 1 piece	●
Chain guide 3 pieces	+
Chain guide 4 pieces	+
Cover and base plate for undercarriage centre section	●
Reinforced cover and base plate for undercarriage centre section	+
Special painting	+
Steps	●
Steps wide	+
Track chains cleaner	+
Track pads triple grouser 600 mm	●
Track pads triple grouser 700 / 750 / 800 / 900 mm	+
Track pads triple grouser reinforced 600 mm	+
Tracks, sealed and greased	●
Tracks, sealed and greased, reinforced	+
Undercarriage LC	+
Undercarriage LC-V	+
Undercarriage NLC	+
Undercarriage storage compartment	+

## Upper-carriage

Batteries high capacity	+
Batteries standard capacity	●
Boxing ring	+
Catwalk tiltable front left	+
Counterweight heavy 6.2 t	+
Counterweight standard 5.1 t	●
Electric socket on uppercarriage (24 V)	+
Extended tool set including tool box	+
External starting aid (24 V)	+
Front right rearview mirror	+1)
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)
Lockable fuel tank cap	●
Lockable fuel tank cap with padlock	+
Reflective warning stickers	+
Rotating beacons on uppercarriage, rear, LED, 2 pieces	+
Skyview 360°	+
Special painting	+
Tank refilling pump fuel	+
Tool set including storage case	●
Uppercarriage bottom and side protection	+
Uppercarriage bottom closure sheets	●

## Hydraulic system

Bypass filter for hydraulic oil	+
Filter for hydraulic hammer return flow	+
High pressure circuit bypass	+
High pressure circuit flow summation	+
High pressure circuit switchable on pedals or mini-joystick	+
High pressure circuit with Tool Control (20 attachment adjustments on display)	+
Leak oil line for attachment	+
Liebherr hydraulic oil	●
Liebherr hydraulic oil, adapted for extreme climate conditions	+
Liebherr hydraulic oil, biodegradable	+
Medium pressure circuit	+

## Engine

Air pre-filter with cyclonical dust trap	+
Automatic engine shutdown after idling	+
Engine shut-down with overrun	+
Lighting for engine compartment	+1)
Pre-heating system for fuel	+
Radiator fine mesh protection grid	+
Reversible fan drive	+



## 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	+
Coming / Leaving Home	+ <sup>1)</sup>
Cool box (12V)	+
Dark tinted windows	+
Electrically adjustable and heated outside rear-view mirrors	+ <sup>1)</sup>
Electronic immobiliser	+
Emergency stop in cab	+
FGPS front guard	+
FGPS front guard tiltable	+
Fire extinguisher	+
First-aid box	+
Footrest	+
FOPS top guard	+
FOPS top guard flat	+
Handrests elevated for joysticks	+
Headlights on cab, front, LED, 2 pieces	● <sup>1)</sup>
Headlights on cab, front, LED+, 2 pieces	+ <sup>1)</sup>
Headlights on cab roof, front, LED+, 2 pieces	+ <sup>1)</sup>
Impact resistant one-piece windscreen	+
Impact resistant roof window	+
Independent travel	+ <sup>1)</sup>
Integral protection guard	+
Laminated roof window	●
Lightbar on cabin	+
Lighting for cabin access	+ <sup>1)</sup>
Luminosity control (LED+ headlights)	+ <sup>1)</sup>
Mini-joystick proportional	+
Movement restriction for boom	+
Movement restriction for stick	+
Operator seat Comfort	●
Operator seat Premium	+
Overload warning system	+
Personalised operator profile	+
Preparation for tiltrotator	+
Radio Comfort	+
Radio pre-installation	●
Remote cab lock	+ <sup>1)</sup>
Retractable laminated two-piece windscreen	●
Roof sun shield	+
Roof window wiper	+
Rotating beacon on cabin, LED, 1 piece	+
Seat belt reminder	+
Smart Key	+ <sup>1)</sup>
Special painting	+
Straight travel via mini-joystick	+ <sup>1)</sup>
Sun visor	+
Switch between high pressure and bucket cylinder controls	+
Travel speed management	+ <sup>1)</sup>
Windscreen bottom protection grid	+



## Equipment

Boom cylinders rod protection	+
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	+ <sup>1)</sup>
Headlight on boom, right, LED, 1 piece	● <sup>1)</sup>
Headlight on boom, right, LED+, 1 piece	+ <sup>1)</sup>
Headlight on stick, bottom, LED+, 1 piece	+ <sup>1)</sup>
Hose protection for Solidlink	+
Liebherr bucket range	+
Liebherr tooth system	+
Load holding valve for bucket cylinder	+
Lubrication hoses protection on stick	+
Mono boom 6.20m	+
Mono boom straight 6.50m	+
Pipe fracture safety valve for stick cylinder	●
Pipe fracture safety valves for boom cylinders	●
Quick coupler SWA 48 hydraulic	+
Quick coupler SWA 48 mechanical	+
Quick coupler SWA 66 hydraulic	+
Quick coupler SWA 66 mechanical	+
Solidlink electric signal plug	+
Solidlink for quick coupler SWA 48 hydraulic	+
Solidlink for quick coupler SWA 66 hydraulic	+
Special painting	+
Stick 2.50m	+
Stick 2.80m	+
Stick 3.20m	+
Stick 3.70m	+
Stick bottom protection	+
Tool Management	+
Two-piece boom 6.40m	+



## Assistance system

Machine guidance system Leica 2D passive - "3D ready"	+
Machine guidance system Leica 2D semi-automatic - "3D ready"	+
Machine guidance system Leica 3D passive	+
Machine guidance system Leica 3D semi-automatic	+
Preparation for machine guidance system	+
Preparation for weighing system	+

● = Standard, + = Option

<sup>1)</sup> Equipment not individually available, but only as predefined packages

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

Options and /or special equipment, 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



## Global and independent: more than 70 years of success

Liebherr was founded in 1949 when, with the development of the world's first mobile tower crane, Hans Liebherr laid the foundations for a family business now employing nearly 51,000 people and comprising over 140 companies across every continent.

The parent company is Liebherr-International AG in Bulle, Switzerland, whose associates are exclusively members of the Liebherr family.

## Leaders and pioneers

Liebherr is a pioneer and its forward-looking approach has seen it make important contributions to technology history over a wide variety of industries. Employees throughout the world continue to share the courage of the founder, sharing a passion to produce innovative products and a determination to provide world-leading equipment and machinery.

## Diversified portfolio

The company is one of the world's biggest construction equipment manufacturers and provides high-quality, user-oriented products and services to sectors including: earthmoving, material handling, deep foundations, mining, mobile and crawler cranes, tower cranes, concrete production and distribution, maritime cranes, aerospace and transportation, gear technology and automation, refrigeration and freezing, components and hotels.

## Customised care

Liebherr solutions are characterised by precision, implementation and longevity. The company is committed to technological excellence and to providing customers with solutions that match their needs exactly. That customer focus does not end with delivery of a product but continues through a comprehensive range of back-up and support services.

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

## Liebherr-France SAS

2 avenue Joseph Rey, B.P. 90287 • 68005 Colmar Cedex, France • Phone +33 389 213030  
info.lfr@liebherr.com • [www.liebherr.com](http://www.liebherr.com) • [www.facebook.com/LiebherrConstruction](https://www.facebook.com/LiebherrConstruction)