

Technical data



Engine

Rating	
per SAE J1349	295 HP (220 kW) at 1,800 rpm
per ISO 9249	299 HP (220 kW) at 1,800 rpm
Torque	1,421 Nm at 1,350 rpm / 1,048 lbf ft at 1,350 rpm
Model	Liebherr D944 A7-24
Type	4 cylinder in-line
Bore	130 mm / 5.1 in
Stroke	150 mm / 5.9 in
Displacement	8.0 l / 488 in³
Engine operation	4-stroke diesel Common-Rail Turbo-charged and after-cooler
Exhaust gas treatment	Tier 4 Final SCR Filter 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	729 l / 193 gal
Urea tank	90 l / 24 gal
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 Independent circuit for rotation
Hydraulic pumps	
For equipment and travel drive	Liebherr, variable displacement, swashplate double pump
Max. flow	2 x 315 l/min. / 2 x 83 gpm
Max. pressure	380 bar / 5,511 psi
For swing drive	Swashplate pump, closed-loop circuit
Max. flow	205 l/min. / 54 gpm
Max. pressure	400 bar / 5,802 psi
Pump management	Electronic management synchronous to the control block
Hydraulic tank	239 l / 63 gal
Hydraulic system	max. 475 l / max. 126 gal
Filtration	1 main return filter with integrated partial micro filtration (10 µm / 1,250 mesh)
Cooling system	Compact cooler, consisting of a water cooler, with hydraulic oil cooler, gearbox oil cooler, fuel cooler 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	0–8.6 rpm stepless
Swing torque	117 kNm / 86,295 lbf ft
Holding brake	Wet multi-disc (spring applied, pressure released)



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 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 length, 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, color 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
Noise emission	
ISO 6396	72 dB(A) = L _{pA} (inside cab)
2000/14/EC	105 dB(A) = L _{WA} (surround noise)



Undercarriage

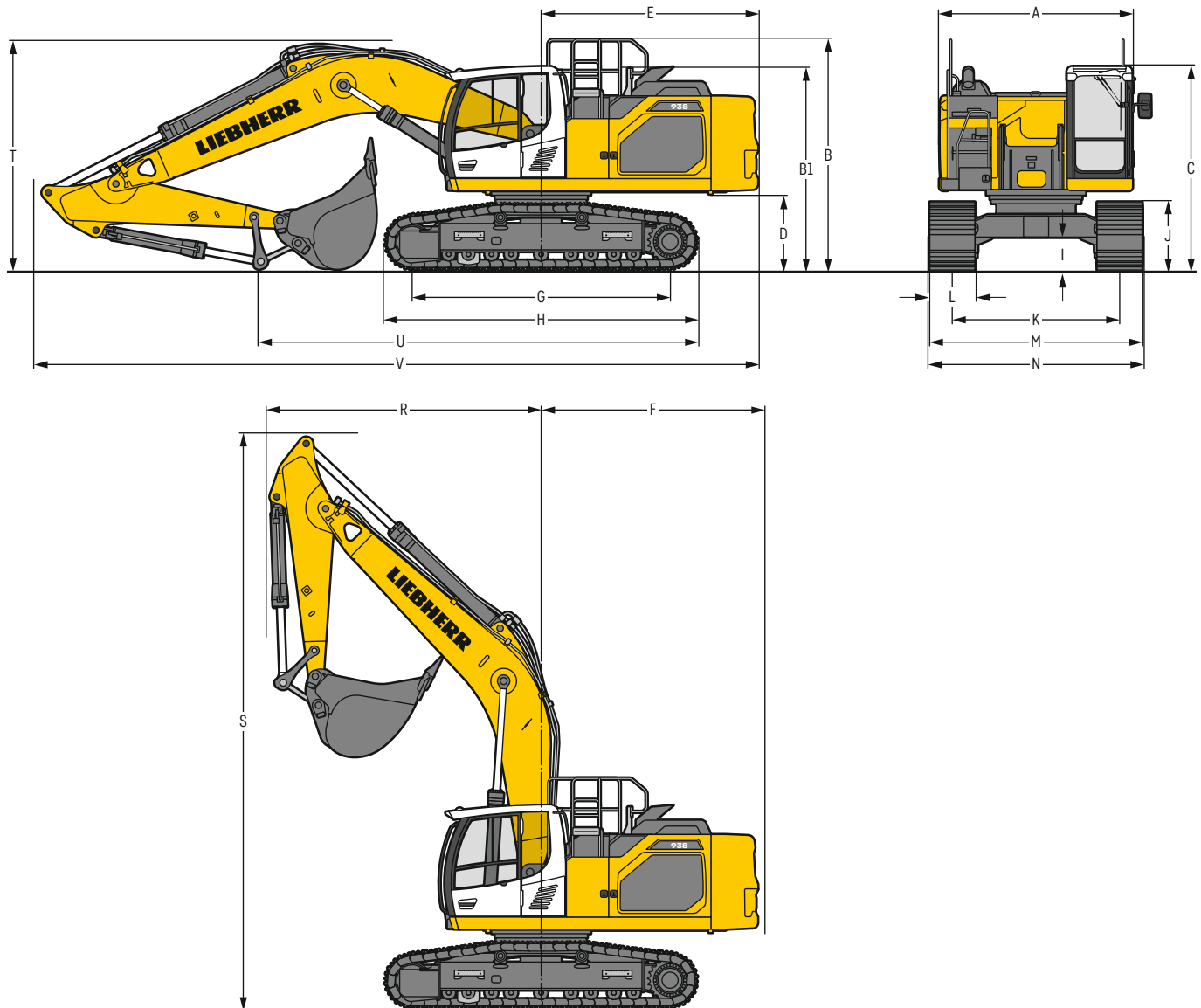
Versions	
LC	Gauge 2,590 mm / 8'6"
WLC	Gauge 2,740 mm / 9"
Drive	Liebherr swashplate motor with brake valves on both sides
Transmission	Liebherr planetary reduction gear
Maximum travel speed	3.3 km/h / 2.1 mph low range 5.4 km/h / 3.4 mph high range
Drawbar pull on crawler	325 kN / 73,060 lbf
Track components	D7, D7G, maintenance-free
Track rollers / Carrier rollers	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



	LC	mm / ft in				WLC	mm / ft in			
A	Uppercarriage width				2,990 ²⁾ / 9'10" ²⁾					2,990 ²⁾ / 9'10" ²⁾
B	Uppercarriage height				3,570 / 11' 9"					3,570 / 11' 9"
B1	Uppercarriage height (handrails folded)				3,130 / 10' 3"					3,130 / 10' 3"
C	Cab height				3,150 / 10' 4"					3,150 / 10' 4"
D	Counterweight ground clearance				1,175 / 3'10"					1,175 / 3'10"
E	Rear-end length				3,350 / 11'					3,350 / 11'
F	Tail swing radius				3,450 / 11' 4"					3,450 / 11' 4"
G	Wheelbase				3,990 / 13' 1"					4,300 / 14' 1"
H	Undercarriage length				4,840 / 15'11"					5,150 / 16'11"
I	Undercarriage ground clearance				495 / 1' 7"					495 / 1' 7"
J	Track height				1,055 / 3' 6"					1,055 / 3' 6"
K	Track gauge				2,590 / 8' 6"					2,740 / 9'
L	Track pad width	600 / 24"	700 / 28"	800 / 31"	900 / 35"	600 / 24"	700 / 28"	800 / 31"	900 / 35"	
M	Width over tracks	3,190 / 10' 6"	3,290 / 10'10"	3,390 / 11' 1"	3,490 / 11' 5"	3,340 / 10'11"	3,440 / 11' 3"	3,540 / 11' 7"	3,640 / 11'11"	
N	Width over steps	3,190 / 10' 6"	3,190 / 10' 6"	3,390 ¹⁾ / 11' 1" ¹⁾	3,390 ¹⁾ / 11' 1" ¹⁾	3,340 / 10'11"	3,340 / 10'11"	3,540 ¹⁾ / 11' 7" ¹⁾	3,540 ¹⁾ / 11' 7" ¹⁾	

¹⁾ width with removable steps

²⁾ without door stop device and spacer

		Stick length	Mono boom 6.45 m / 21'2" direct mounting			Mono boom SME 6.15 m / 20'2" direct mounting		
		m / ft in	mm / ft in			mm / ft in		
			LC		WLC	LC		WLC
R	Front swing radius		4,250 / 13'11"			4,050 / 13'3"		
S	Height with boom up		8,990 / 29' 2"			8,700 / 28'7"		
T	Boom height	2.60 / 8'6"	3,550 / 11' 8"		3,550 / 11' 8"	-		
		2.90 / 9'6"	3,750 / 12' 4"		3,750 / 12' 4"	-		
		3.25 / 10'8"	3,800 / 12' 6"		3,800 / 12' 6"	-		
		3.95 / 13'	3,350 ¹⁾ / 11' ¹⁾		3,350 ¹⁾ / 11' ¹⁾	-		
		2.15 / 7'1" SME	-		-	3,450 / 11'4" / 3,300 ¹⁾ / 10'10" ¹⁾	3,350 / 11' / 3,300 ¹⁾ / 10'10" ¹⁾	
		2.60 / 8'6" SME	-		-	3,650 / 12' / 3,350 ¹⁾ / 11' ¹⁾	3,950 / 13' / 3,350 ¹⁾ / 11' ¹⁾	
U	Length on ground	2.60 / 8'6"	6,800 / 22' 4"		6,950 / 22'10"	-		
		2.90 / 9'6"	6,500 / 21' 4"		6,650 / 21'10"	-		
		3.25 / 10'8"	6,050 / 19'10"		6,200 / 20' 4"	-		
		3.95 / 13'	7,800 ¹⁾ / 25' 7" ¹⁾		7,950 ¹⁾ / 26' 1" ¹⁾	-		
		2.15 / 7'1" SME	-		-	6,900 / 22'8" / 9,300 ¹⁾ / 30'6" ¹⁾	7,000 / 23' / 9,450 ¹⁾ / 31' ¹⁾	
		2.60 / 8'6" SME	-		-	6,500 / 21'4" / 8,900 ¹⁾ / 29'2" ¹⁾	6,800 / 22'4" / 9,050 ¹⁾ / 29'8" ¹⁾	
V	Overall length	2.60 / 8'6"	11,200 / 36'9"			-		
		2.90 / 9'6"	11,200 / 36'9"			-		
		3.25 / 10'8"	11,200 / 36'9"			-		
		3.95 / 13'	11,000 ¹⁾ / 36'1" ¹⁾			-		
		2.15 / 7'1" SME	-			10,900 / 35'9" / 10,800 ¹⁾ / 35'5" ¹⁾		
		2.60 / 8'6" SME	-			10,900 / 35'9" / 10,800 ¹⁾ / 35'5" ¹⁾		
	Bucket		2.15 m³ / 2.81 yd³			2.50 m³ / 3.27 yd³		

¹⁾ without bucket

Transport dimensions

removable elements disassembled

	Undercarriage	Mono boom 6.45 m / 21'2"				Mono boom SME 6.15 m / 20'2"			
		mm / ft in				mm / ft in			
Pad width		600 / 24"	700 / 28"	800 / 31"	900 / 35"	600 / 24"	700 / 28"	800 / 31"	900 / 35"
Transport width	LC	3,190 / 10' 6"	3,290 / 10'10"	3,390 / 11' 1"	3,490 / 11' 5"	3,190 / 10' 6"	3,290 / 10'10"	3,390 / 11' 1"	3,490 / 11' 5"
	WLC	3,340 / 10'11"	3,440 / 11' 3"	3,540 / 11' 7"	3,640 / 11'11"	3,340 / 10'11"	3,440 / 11' 3"	3,540 / 11' 7"	3,640 / 11'11"
	Undercarriage / Stick m / ft in	LC		WLC		LC		WLC	
		mm / ft in				mm / ft in			
Transport length		11,200 ²⁾ / 36'9" ²⁾ / 11,000 ¹⁾ 3) / 36'1" ¹⁾ 3)				10,900 / 35'9" / 10,800 ¹⁾ / 35'5" ¹⁾			
Transport height	2.60 / 8'6"	3,550 / 11'8"				-			
	2.90 / 9'6"	3,750 / 12'4"				-			
	3.25 / 10'8"	3,800 / 12'6"				-			
	3.95 / 13'	3,350 ¹⁾ / 11' ¹⁾				-			
	2.15 / 7'1" SME	-				3,450 ⁴⁾ / 11'4" ⁴⁾ / 3,300 ¹⁾ 4) / 10'10" ¹⁾ 4)			
						3,350 ⁵⁾ / 11' ⁵⁾ / 3,300 ¹⁾ 5) / 10'10" ¹⁾ 5)			
	2.60 / 8'6" SME	-				3,650 ⁴⁾ / 12' ⁴⁾ / 3,350 ¹⁾ 4) / 11' ¹⁾ 4)			
						3,950 ⁵⁾ / 13' ⁵⁾ / 3,350 ¹⁾ 5) / 11' ¹⁾ 5)			
Bucket		2.15 m³ / 2.81 yd³				2.50 m³ / 3.27 yd³			

¹⁾ without bucket

²⁾ with sticks 2.60 m / 8'6", 2.90 m / 9'6" and 3.25 m / 10'8"

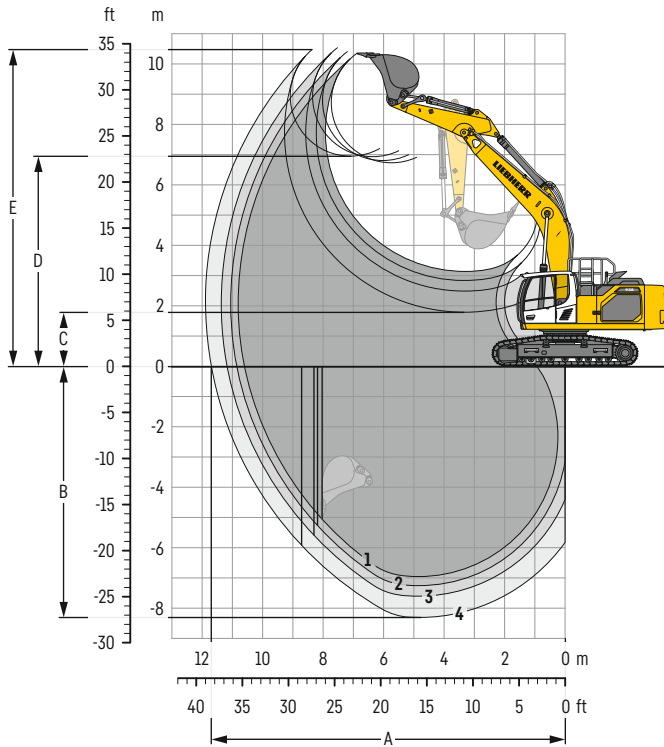
³⁾ with stick 3.95 m / 13'

⁴⁾ with LC undercarriage

⁵⁾ with WLC undercarriage

Backhoe bucket

with mono boom 6.45 m / 21'2"



Digging envelope

without quick coupler		1	2	3	4
Stick length	m / ft in	2.60 / 8' 6"	2.90 / 9' 6"	3.25 / 10' 8"	3.95 / 13'
A Max. reach at ground level	m / ft in	10.60 / 34' 9"	10.85 / 35' 7"	11.17 / 36' 8"	11.70 / 38' 5"
B Max. digging depth	m / ft in	6.95 / 22' 10"	7.25 / 23' 9"	7.60 / 24' 11"	8.30 / 27' 3"
C Min. dumping height	m / ft in	3.14 / 10' 4"	2.84 / 9' 4"	2.49 / 8' 2"	1.79 / 5' 10"
D Max. dumping height	m / ft in	6.73 / 22' 1"	6.80 / 22' 4"	6.93 / 22' 9"	6.95 / 22' 10"
E Max. cutting height	m / ft in	10.35 / 33' 11"	10.40 / 34' 1"	10.53 / 34' 7"	10.47 / 34' 4"

Forces

without quick coupler		1	2	3	4
Stick digging force (ISO 6015)	kN / lbf	212 / 47,660	198 / 44,510	183 / 41,140	159 / 35,750
Bucket digging force (ISO 6015)	kN / lbf	238 / 53,510	238 / 53,510	238 / 53,510	238 / 53,510
Stick digging force (SAE J1179)	kN / lbf	202 / 45,410	189 / 42,490	176 / 39,570	154 / 34,620
Bucket digging force (SAE J1179)	kN / lbf	210 / 47,210	210 / 47,210	210 / 47,210	210 / 47,210

Operating weight and ground pressure

The operating weight includes the basic machine with counterweight 8.4 t / 18,520 lb, mono boom 6.45 m / 21'2", stick 3.25 m / 10'8" and bucket 2.15 m³ / 2.81 yd³ (1,730 kg / 3,810 lb).

Undercarriage		LC			
Pad width	mm / in	600 / 24"	700 / 28"	800 / 31"	900 / 35"
Weight	kg / lb	37,200 / 82,010	37,550 / 82,780	37,900 / 83,560	38,250 / 84,330
Ground pressure	kg/cm ² / psi	0.72 / 10.2	0.63 / 9.0	0.55 / 7.8	0.50 / 7.1

Undercarriage		WLC			
Pad width	mm / in	600 / 24"	700 / 28"	800 / 31"	900 / 35"
Weight	kg / lb	37,750 / 83,230	38,100 / 84,000	38,450 / 84,770	38,850 / 85,650
Ground pressure	kg/cm ² / psi	0.68 / 9.7	0.59 / 8.4	0.52 / 7.4	0.47 / 6.7

The operating weight includes the basic machine with counterweight 9.4 t / 20,720 lb, mono boom 6.45 m / 21'2", stick 3.25 m / 10'8" and bucket 2.15 m³ / 2.81 yd³ (1,730 kg / 3,810 lb).

Undercarriage		LC			
Pad width	mm / in	600 / 24"	700 / 28"	800 / 31"	900 / 35"
Weight	kg / lb	38,200 / 84,220	38,550 / 84,990	38,900 / 85,760	39,250 / 86,530
Ground pressure	kg/cm ² / psi	0.74 / 10.5	0.64 / 9.1	0.57 / 8.1	0.51 / 7.3

Undercarriage		WLC			
Pad width	mm / in	600 / 24"	700 / 28"	800 / 31"	900 / 35"
Weight	kg / lb	38,750 / 85,430	39,100 / 86,200	39,450 / 86,970	39,850 / 87,850
Ground pressure	kg/cm ² / psi	0.70 / 10.0	0.61 / 8.7	0.54 / 7.7	0.48 / 6.8

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

				LC undercarriage (with track pads 800 mm / 31")								WLC undercarriage (with track pads 800 mm / 31")							
Cutting width	Capacity ISO 7451	Weight ³⁾	Weight ⁴⁾	Stick length (m / ft in)								Stick length (m / ft in)							
				without quick coupler				with quick coupler				without quick coupler				with quick coupler			
mm	m ³	kg	kg	2.60	2.90	3.25	3.95	2.60	2.90	3.25	3.95	2.60	2.90	3.25	3.95	2.60	2.90	3.25	3.95
ft in	yd ³	lb	lb	8'6"	9'6"	10'8"	13'	8'6"	9'6"	10'8"	13'	8'6"	9'6"	10'8"	13'	8'6"	9'6"	10'8"	13'
with counterweight 8.4t / 18,520lb																			
STD ¹⁾	1,600	1.90	1,700	1,660	▲	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	■
	5'3"	2.48	3,750	3,660	▲	▲	■	▲	▲	▲	■	■	▲	▲	▲	■	▲	▲	▲
	1,650	2.00	1,730	1,690	▲	▲	■	▲	▲	▲	■	■	▲	▲	▲	■	▲	▲	■
	5'5"	2.62	3,810	3,730	▲	▲	■	▲	▲	▲	■	■	▲	▲	▲	■	▲	▲	■
	1,600	2.15	1,770	1,730	▲	■	■	■	▲	■	▲	■	▲	▲	■	▲	▲	■	▲
	5'3"	2.81	3,900	3,810	▲	■	■	■	▲	■	▲	■	▲	▲	■	▲	▲	■	▲
	1,650	2.25	1,810	1,770	▲	■	▲	■	■	■	▲	△	▲	▲	■	▲	■	■	■
	5'5"	2.94	3,990	3,900	▲	■	▲	■	■	■	▲	△	▲	▲	■	▲	▲	■	■
	1,800	2.50	1,900	1,860	▲	▲	■	△	▲	■	△	△	■	■	▲	△	■	▲	■
	5'11"	3.27	4,190	4,100	▲	▲	■	△	▲	■	△	△	■	■	▲	△	■	▲	△
HD ²⁾	1,800	2.75	1,970	1,930	■	■	△	—	■	△	△	—	▲	■	■	△	▲	■	△
	5'11"	3.60	4,340	4,260	■	■	△	—	■	△	△	—	▲	■	△	△	▲	■	△
	1,850	3.00	2,020	1,980	△	△	△	—	△	△	—	—	■	△	△	—	■	△	△
	6'1"	3.92	4,450	4,370	△	△	△	—	△	△	—	—	■	△	△	—	■	△	△
	1,600	1.90	1,800	1,760	▲	▲	▲	▲	▲	▲	■	▲	▲	▲	▲	■	▲	▲	▲
	5'3"	2.48	3,970	3,880	▲	▲	▲	▲	▲	▲	■	▲	▲	▲	▲	■	▲	▲	▲
	1,650	2.00	1,830	1,790	▲	▲	■	▲	▲	▲	■	■	▲	▲	▲	■	▲	▲	■
	5'5"	2.62	4,030	3,950	▲	▲	■	▲	▲	▲	■	■	▲	▲	▲	■	▲	▲	■
	1,600	2.15	1,870	1,830	▲	■	▲	■	▲	■	▲	△	▲	▲	■	▲	▲	■	■
	5'3"	2.81	4,120	4,030	▲	■	▲	■	▲	■	▲	△	▲	▲	■	▲	▲	■	■
STD ¹⁾	1,650	2.25	1,910	1,870	■	■	▲	△	■	▲	■	△	▲	▲	■	■	▲	■	■
	5'5"	2.94	4,210	4,120	■	■	▲	△	■	▲	■	△	▲	▲	■	■	▲	■	■
	1,800	2.50	2,000	1,960	▲	■	■	△	▲	■	△	△	■	▲	▲	■	▲	■	△
	5'11"	3.27	4,410	4,320	▲	▲	■	△	▲	■	△	△	■	▲	▲	△	■	▲	△
	1,800	2.75	2,080	2,040	■	△	△	—	■	△	△	—	▲	■	△	△	▲	■	△
	5'11"	3.60	4,590	4,500	■	△	△	—	■	△	△	—	▲	■	△	△	▲	■	△
	1,850	3.00	2,130	2,090	△	△	△	—	△	△	—	—	■	△	△	—	■	△	△
	6'1"	3.92	4,450	4,370	△	△	△	—	△	△	—	—	■	△	△	—	■	△	△
	1,600	1.90	1,800	1,760	▲	▲	▲	▲	▲	▲	■	▲	▲	▲	▲	■	▲	▲	▲
	5'3"	2.48	3,970	3,880	▲	▲	▲	▲	▲	▲	■	▲	▲	▲	▲	■	▲	▲	▲
HD ²⁾	1,650	2.00	1,830	1,790	▲	▲	▲	■	▲	▲	■	■	▲	▲	▲	■	▲	▲	■
	5'5"	2.62	4,030	3,950	▲	▲	■	▲	▲	▲	■	■	▲	▲	▲	■	▲	▲	■
	1,600	2.15	1,870	1,830	▲	▲	■	▲	▲	■	▲	△	▲	▲	■	▲	▲	■	■
	5'3"	2.81	4,120	4,030	▲	▲	■	▲	▲	■	▲	△	▲	▲	■	▲	▲	■	■
	1,650	2.25	1,910	1,870	▲	▲	■	▲	▲	■	■	■	▲	▲	■	■	▲	■	▲
	5'5"	2.94	4,210	4,120	▲	▲	■	▲	▲	■	■	■	▲	▲	■	■	▲	■	▲
	1,800	2.50	2,000	1,960	■	■	▲	△	■	▲	■	△	▲	■	■	■	▲	■	■
	5'11"	3.27	4,410	4,320	▲	■	■	△	▲	■	△	△	■	▲	■	■	▲	■	△
	1,800	2.75	2,080	2,040	▲	■	■	△	▲	■	△	△	■	▲	■	■	▲	■	△
	5'11"	3.60	4,590	4,500	▲	■	■	△	▲	■	△	△	■	▲	■	■	▲	■	△
1,850	3.00	2,130	2,090	■	△	△	—	■	△	△	—	▲	■	△	△	▲	■	△	
6'1"	3.92	4,700	4,610	■	△	△	—	■	△	△	—	▲	■	△	△	▲	■	△	

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

¹⁾ Standard bucket with Liebherr teeth Z 50

²⁾ HD bucket with Liebherr teeth Z 50

³⁾ Bucket for direct mounting

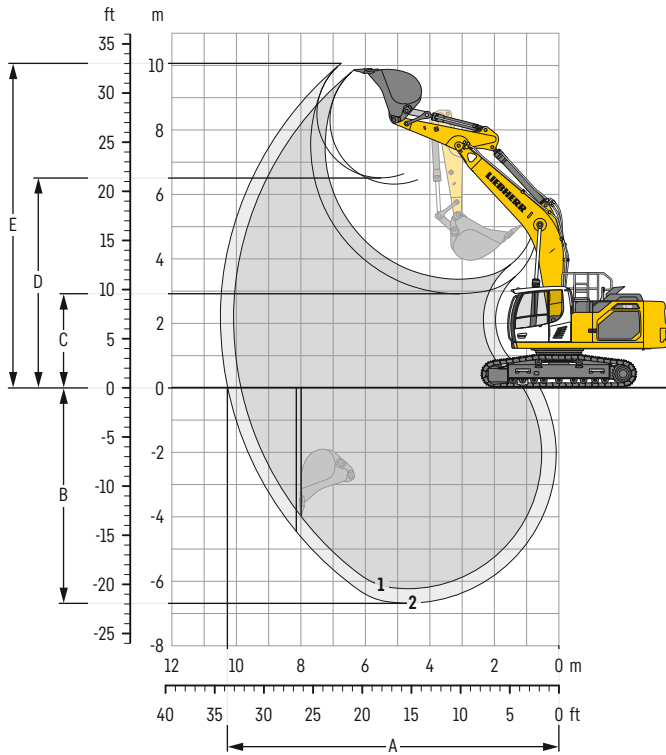
⁴⁾ Bucket for mounting to quick coupler SWA 66 (430 kg / 950 lb)

Other buckets available upon request

Max. material weight ▲ = ≤ 2.0 t/m³ / 3,400 lb/yd³, ■ = ≤ 1.8 t/m³ / 3,000 lb/yd³, ▲ = ≤ 1.65 t/m³ / 2,800 lb/yd³, ■ = ≤ 1.5 t/m³ / 2,500 lb/yd³, △ = ≤ 1.2 t/m³ / 2,000 lb/yd³, — = not authorized

Backhoe bucket

with mono boom SME 6.15 m / 20'2"



Digging envelope

without quick coupler		1	2
Stick length	m / ft in	2.15 / 7'1"	2.60 / 8' 6"
		SME	SME
A Max. reach at ground level	m / ft in	9.86 / 32'4"	10.28 / 33' 9"
B Max. digging depth	m / ft in	6.23 / 20'5"	6.68 / 21'11"
C Min. dumping height	m / ft in	3.37 / 11'1"	2.92 / 9' 7"
D Max. dumping height	m / ft in	6.32 / 20'9"	6.61 / 21' 8"
E Max. cutting height	m / ft in	9.86 / 32'4"	10.06 / 33'

Forces

without quick coupler		1	2
Stick digging force (ISO 6015)	kN / lbf	238 / 53,510	212 / 47,660
Bucket digging force (ISO 6015)	kN / lbf	264 / 59,350	264 / 59,350
Stick digging force (SAE J1179)	kN / lbf	226 / 50,810	202 / 45,410
Bucket digging force (SAE J1179)	kN / lbf	233 / 52,380	233 / 52,380

Operating weight and ground pressure

The operating weight includes the basic machine with counterweight 8.4 t / 18,520 lb, mono boom SME 6.15 m / 20'2", stick SME 2.15 m / 7'1" and HD bucket 2.50 m³ / 3.27 yd³ (2,000 kg / 4,410 lb).

Undercarriage		LC			
Pad width	mm / in	600 / 24"	700 / 28"	800 / 31"	900 / 35"
Weight	kg / lb	37,400 / 82,450	37,750 / 83,230	38,100 / 84,000	38,450 / 84,770
Ground pressure	kg/cm² / psi	0.73 / 10.4	0.63 / 9.0	0.56 / 8.0	0.50 / 7.1

Undercarriage		WLC			
Pad width	mm / in	600 / 24"	700 / 28"	800 / 31"	900 / 35"
Weight	kg / lb	37,950 / 83,670	38,300 / 84,440	38,650 / 85,210	39,050 / 86,090
Ground pressure	kg/cm² / psi	0.69 / 9.8	0.60 / 8.5	0.53 / 7.5	0.47 / 6.7

The operating weight includes the basic machine with counterweight 9.4 t / 20,720 lb, mono boom SME 6.15 m / 20'2", stick SME 2.15 m / 7'1" and HD bucket 2.50 m³ / 3.27 yd³ (2,000 kg / 4,410 lb).

Undercarriage		LC			
Pad width	mm / in	600 / 24"	700 / 28"	800 / 31"	900 / 35"
Weight	kg / lb	38,400 / 84,660	38,750 / 85,430	39,100 / 86,200	39,450 / 86,970
Ground pressure	kg/cm² / psi	0.75 / 10.7	0.65 / 9.2	0.57 / 8.1	0.51 / 7.3

Undercarriage		WLC			
Pad width	mm / in	600 / 24"	700 / 28"	800 / 31"	900 / 35"
Weight	kg / lb	38,950 / 85,870	39,300 / 86,640	39,650 / 87,410	40,050 / 88,300
Ground pressure	kg/cm² / psi	0.71 / 10.1	0.61 / 8.7	0.54 / 7.7	0.48 / 6.8

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

				LC undercarriage (with track pads 800 mm / 31")				WLC undercarriage (with track pads 800 mm / 31")				
Cutting width	Capacity ISO 7451	Weight ³⁾	Weight ⁴⁾	Stick length (m / ft in)				Stick length (m / ft in)				
				without quick coupler		with quick coupler		without quick coupler		with quick coupler		
				2.15	2.60	2.15	2.60	2.15	2.60	2.15	2.60	
				7'1"	8'6"	7'1"	8'6"	7'1"	8'6"	7'1"	8'6"	
with counterweight 8.4t / 18,520 lb												
HD ¹⁾	1,600	2.15	1,870	1,830	▲	▲	▲	▲	▲	▲	▲	
	5'3"	2.81	4,120	4,030								
	1,650	2.25	1,910	1,870	▲	▲	▲	▲	▲	▲	▲	
	5'5"	2.94	4,210	4,120								
	1,800	2.50	2,000	1,960	▲	■	▲	▲	▲	■	■	
	5'11"	3.27	4,410	4,320								
HD ²⁾	1,800	2.75	2,080	2,040	■	■	■	■	▲	▲	▲	
	5'11"	3.60	4,590	4,500								
	1,850	3.00	2,130	2,090	▲	△	■	△	■	■	■	
	6'1"	3.92	4,700	4,610								
	1,650	2.00	2,490	2,530	▲	▲	▲	▲	▲	▲	▲	
	5'5"	2.62	5,490	5,580								
HDR ²⁾	1,650	2.25	2,570	2,610	▲	■	▲	▲	▲	■	▲	
	5'5"	2.94	5,670	5,750								
	1,650	2.50	2,660	2,700	■	■	▲	■	▲	■	▲	
	5'5"	3.27	5,860	5,950								
	with counterweight 9.4t / 20,720 lb											
	HD ¹⁾	1,600	2.15	1,870	1,830	▲	▲	▲	▲	▲	▲	▲
5'3"		2.81	4,120	4,030								
1,650		2.25	1,910	1,870	▲	▲	▲	▲	▲	▲	▲	
5'5"		2.94	4,210	4,120								
1,800		2.50	2,000	1,960	▲	▲	▲	▲	▲	▲	▲	
5'11"		3.27	4,410	4,320								
HD ²⁾	1,800	2.75	2,080	2,040	▲	■	▲	▲	▲	■	■	
	5'11"	3.60	4,590	4,500								
	1,850	3.00	2,130	2,090	■	▲	■	■	▲	■	▲	
	6'1"	3.92	4,700	4,610								
	1,650	2.00	2,490	2,530	▲	▲	▲	▲	▲	▲	▲	
	5'5"	2.62	5,490	5,580								
HDR ²⁾	1,650	2.25	2,570	2,610	▲	▲	▲	■	▲	▲	■	
	5'5"	2.94	5,670	5,750								
	1,650	2.50	2,660	2,700	▲	■	▲	▲	▲	▲	■	
5'5"	3.27	5,860	5,950									

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

¹⁾ HD bucket with Liebherr teeth Z 50

²⁾ HDR bucket with teeth Z 70

³⁾ Bucket for direct mounting

⁴⁾ Bucket for mounting to quick coupler SWA 66 (430 kg / 950 lb)

Other buckets available upon request

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

Lift capacities

with mono boom 6.45 m / 21'2", counterweight 8.4 t / 18,520 lb and track pads 800 mm / 31"

Stick 2.60 m / 8'6"

	Under-carriage	3.0m 10 ft		4.5m 15 ft		6.0m 20 ft		7.5m 25 ft		9.0m 30 ft				m ft in
														
LC	7.5m t					10.0*	10.0*					8.6	9.9*	6.9
	25 ft lb					22.0*	22.0*					19.5	21.8*	22.5"
	6.0m t					10.6*	10.6*	7.5	9.7*			6.8	9.6*	7.9
	20 ft lb					23.1*	23.1*	16.2	21.3*			15.4	21.2*	25.8"
	4.5m t			15.2*	15.2*	10.1	11.8*	7.2	10.2*			6.0	8.8	8.5
	15 ft lb			32.7*	32.7*	22.0	25.6*	15.8	22.2*			13.4	19.7	27.10"
	3.0m t			14.1	18.4*	9.5	13.3*	6.9	10.4			5.5	8.2	8.8
	10 ft lb			30.7	39.6*	20.7	28.7*	15.2	22.6			12.3	18.3	28.10"
	1.5m t			13.3	16.5*	9.0	14.0	6.7	10.1			5.4	8.0	8.8
	5 ft lb			29.0	40.4*	19.7	30.5	14.6	22.0			12.0	17.9	28.11"
WLC	0m t			13.1	19.6*	8.8	13.7	6.5	9.9			5.5	8.2	8.6
	0 ft lb			28.6	42.6*	19.1	29.9	14.2	21.6			12.3	18.4	28.1"
	-1.5m t	15.0*	15.0*	13.2	18.4*	8.7	13.7	6.5	9.9			6.0	9.0	8.0
	-5 ft lb	34.0*	34.0*	28.7	40.0*	19.0	29.7	14.2	21.5			13.3	20.1	26.4"
	-3.0m t	20.1*	20.1*	13.4	16.2*	8.8	12.6*					7.0	10.1*	7.1
	-10 ft lb	43.8*	43.8*	29.1	35.0*	19.3	27.2*					15.8	22.3*	23.4"
	-4.5m t			12.2*	12.2*							9.4*	9.4*	5.7
	-15 ft lb			25.9*	25.9*							20.6*	20.6*	18.7"
	-6.0m t													
	-20 ft lb													
	7.5m t					10.0*	10.0*					9.1	9.9*	6.9
	25 ft lb					22.0*	22.0*					20.8	21.8*	22.5"
	6.0m t					10.6*	10.6*	7.9	9.7*			7.3	9.6*	7.9
	20 ft lb					23.1*	23.1*	17.2	21.3*			16.4	21.2*	25.8"
	4.5m t			15.2*	15.2*	10.8	11.8*	7.7	10.2*			6.4	9.6*	8.5
	15 ft lb			32.7*	32.7*	23.5	25.6*	16.8	22.2*			14.3	21.1*	27.10"
	3.0m t			15.2	18.4*	10.2	13.3*	7.4	10.8*			5.9	9.1	8.8
	10 ft lb			33.2	39.6*	22.2	28.7*	16.2	23.5*			13.2	20.2	28.10"
	1.5m t			14.4	16.5*	9.7	14.3*	7.2	11.2			5.8	8.9	8.8
	5 ft lb			31.4	40.4*	21.1	31.0*	15.6	24.5			12.8	19.8	28.11"
0m t			14.2	19.6*	9.4	14.7*	7.0	11.0			5.9	9.1	8.6	
0 ft lb			31.0	42.6*	20.6	31.8*	15.3	24.1			13.1	20.4	28.1"	
-1.5m t	15.0*	15.0*	14.3	18.4*	9.4	14.2*	7.0	11.0			6.4	10.0	8.0	
-5 ft lb	34.0*	34.0*	31.1	40.0*	20.4	30.7*	15.2	24.0*			14.3	22.3*	26.4"	
-3.0m t	20.1*	20.1*	14.5	16.2*	9.5	12.6*					7.6	10.1*	7.1	
-10 ft lb	43.8*	43.8*	31.6	35.0*	20.7	27.2*					17.0	22.3*	23.4"	
-4.5m t			12.2*	12.2*							9.4*	9.4*	5.7	
-15 ft lb			25.9*	25.9*							20.6*	20.6*	18.7"	
-6.0m t														
-20 ft lb														

Stick 2.90 m / 9'6"

Under-carriage		3.0m 10ft		4.5m 15ft		6.0m 20ft		7.5m 25ft		9.0m 30ft				m ft in
														
LC	7.5m t											8.0	9.3*	7.2
	25ft lb											18,3	20,5*	23'6"
	6.0m t					10.2*	10.2*	7.5	9.3*			6.5	9.1*	8.2
	20ft lb					22,1*	22,1*	16,3	20,4*			14,6	20,0*	26'7"
	4.5m t			14.5*	14.5*	10.2	11.4*	7.3	9.9*			5.7	8.4	8.7
	15ft lb			31,2*	31,2*	22,1	24,7*	15,8	21,5*			12,8	18,8	28'7"
	3.0m t			14.3	17.7*	9.5	12.9*	7.0	10.4	5.3	7.9	5.3	7.8	9.0
	10ft lb			31,1	38,1*	20,8	27,9*	15,2	22,6			11,8	17,5	29'7"
	1.5m t			13.4	19.6*	9.0	14.1	6.7	10.1	5.2	7.7	5.1	7.7	9.0
	5ft lb			29,2	42,4*	19,7	30,5*	14,6	22,0			11,5	17,1	29'8"
	0m t			13.1	19.7*	8.7	13.7	6.5	9.9			5.2	7.9	8.8
	0ft lb			28,5	42,8*	19,0	29,8	14,2	21,5			11,7	17,5	28'11"
WLC	-1.5m t		15.0*	15.0*	13.1	18.7*	8.6	13.6	6.4	9.8		5.7	8.5	8.3
	-5ft lb		34,0*	34,0*	28,4	40,7*	18,8	29,6	14,0	21,4		12,6	19,0	27'2"
	-3.0m t		21.6*	21.6*	13.3	16.7*	8.7	13.0*				6.6	9.9*	7.5
	-10ft lb		47,0*	47,0*	28,8	36,3*	19,0	28,0*				14,8	21,9*	24'4"
	-4.5m t			16.5*	16.5*	13.1*	13.1*	9.1	9.8*			8.8	9.5*	6.1
	-15ft lb			35,4*	35,4*	28,1*	28,1*					20,1	20,9*	19'10"
	-6.0m t													
	-20ft lb													
	7.5m t											8.5	9.3*	7.2
	25ft lb											19,4	20,5*	23'6"
	6.0m t						10.2*	10.2*	8.0	9.3*		6.9	9.1*	8.2
	20ft lb						22,1*	22,1*	17,4	20,4*		15,6	20,0*	26'7"
4.5m t			14.5*	14.5*		10.8	11.4*	7.7	9.9*		6.1	9.2*	8.7	
15ft lb			31,2*	31,2*		23,6	24,7*	16,9	21,5*		13,6	20,2*	28'7"	
3.0m t			15.4	17.7*		10.2	12.9*	7.4	10.6*	5.7	8.7	5.7	8.7	9.0
10ft lb			33,6	38,1*		22,3	27,9*	16,2	23,0*		12,6	19,4	29'7"	
1.5m t			14.5	19.6*		9.7	14.1*	7.1	11.2	5.5	8.6	5.5	8.5	9.0
5ft lb			31,6	42,4*		21,2	30,5*	15,6	24,3*		12,3	19,0	29'8"	
0m t			14.2	19.7*		9.4	14.6*	7.0	11.0		5.6	8.7	8.8	
0ft lb			30,9	42,8*		20,5	31,6*	15,2	24,0		12,5	19,5	28'11"	
-1.5m t		15.0*	15.0*	14.2	18.7*	9.3	14.3*	6.9	10.9		6.1	9.5	8.3	
-5ft lb		34,0*	34,0*	30,8	40,7*	20,3	30,9*	15,1	23,8		13,5	21,2	27'2"	
-3.0m t		21.6*	21.6*	14.4	16.7*	9.4	13.0*				7.1	9.9*	7.5	
-10ft lb		47,0*	47,0*	31,2	36,3*	20,5	28,0*				15,9	21,9*	24'4"	
-4.5m t			16.5*	16.5*	13.1*	13.1*	9.7	9.8*			9.5	9.5*	6.1	
-15ft lb			35,4*	35,4*	28,1*	28,1*					20,9*	20,9*	19'10"	
-6.0m t														
-20ft lb														

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

The load values are quoted in tons (t) / lb x 1,000 at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 800 mm / 31" 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 495 kg / 1,090 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

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 3.25 m / 10'8"

Under-carriage	Height	3.0m 10 ft		4.5m 15 ft		6.0m 20 ft		7.5m 25 ft		9.0m 30 ft		Max. reach		m ft in
		LC	WLC	LC	WLC	LC	WLC	LC	WLC	LC	WLC	LC	WLC	
7.5m t								7.6	8.8*			7.4	8.1*	7.6
25ft lb								16.8	18.0*	24'10"		16.8	18.0*	24'10"
6.0m t								7.5	8.9*			6.1	8.0*	8.5
20ft lb								16.4	19.4*	27'10"		13.7	17.6*	27'10"
4.5m t				13.6*	13.6*	10.2	10.9*	7.3	9.5*	5.4	8.0	5.4	7.9	9.1
15ft lb				29.2*	29.2*	22.3	23.6*	15.8	20.6*	12.0	17.7	12.0	17.7	29'8"
3.0m t				14.4	16.9*	9.6	12.4*	6.9	10.2*	5.3	7.8	5.0	7.4	9.3
10ft lb				31.5	36.3*	20.9	26.9*	15.1	22.3*	11.5	17.1	11.1	16.5	30'7"
1.5m t				13.4	19.1*	9.0	13.7*	6.6	10.0	5.1	7.7	4.8	7.2	9.4
5ft lb				29.2	41.3*	19.7	29.7*	14.5	21.9	11.2	16.7	10.8	16.2	30'8"
0m t				13.0	19.7*	8.7	13.6	6.4	9.8	5.0	7.6	4.9	7.4	9.1
0ft lb				16.7*	16.7*	28.2	42.6*	18.9	29.7	14.0	21.3	11.0	16.5	30'
-1.5m t				14.5*	14.5*	12.9	19.0*	8.5	13.5	6.3	9.7	5.3	8.0	8.6
-5ft lb				32.9*	32.9*	28.1	41.2*	18.6	29.3	13.8	21.1	11.8	17.8	28'4"
-3.0m t				22.8*	22.8*	13.0	17.3*	8.6	13.2*	6.4	9.7	6.0	9.2	7.8
-10ft lb				50.2*	50.2*	28.4	37.4*	18.7	28.6*	13.9	21.3	13.6	20.6	25'7"
-4.5m t				18.3*	18.3*	13.4	14.1*	8.8	10.7*			7.8	9.4*	6.6
-15ft lb				39.3*	39.3*	29.2	30.3*	19.3	22.8*			17.8	20.7*	21'4"
-6.0m t														
-20ft lb														
7.5m t								8.1	8.8*			7.9	8.1*	7.6
25ft lb								17.9	18.0*	24'10"		17.9	18.0*	24'10"
6.0m t								8.0	8.9*			6.5	8.0*	8.5
20ft lb								17.4	19.4*	27'10"		14.6	17.6*	27'10"
4.5m t				13.6*	13.6*	10.9*	10.9*	7.8	9.5*	5.8	8.6*	5.7	8.1*	9.1
15ft lb				29.2*	29.2*	23.6*	23.6*	16.9	20.6*	12.8	17.8	12.8	17.8	29'8"
3.0m t				15.6	16.9*	10.3	12.4*	7.4	10.2*	5.6	8.7	5.3	8.2	9.3
10ft lb				34.0	36.3*	22.4	26.9*	16.2	22.3*	12.3	18.9	11.9	18.3	30'7"
1.5m t				14.5	19.1*	9.7	13.7*	7.1	11.0*	5.5	8.5	5.2	8.0	9.4
5ft lb				31.7	41.3*	21.1	29.7*	15.5	23.8*	12.0	18.6	11.6	17.9	30'8"
0m t				14.1	19.7*	9.3	14.4*	6.9	10.9	5.4	8.4	5.3	8.2	9.1
0ft lb				16.7*	16.7*	30.6	42.6*	20.4	31.2*	15.0	23.8	11.8	18.4	30'
-1.5m t				14.5*	14.5*	14.0	19.0*	9.2	14.3*	6.8	10.8	5.7	8.9	8.6
-5ft lb				32.9*	32.9*	30.5	41.2*	20.0	30.9*	14.8	23.6	12.6	19.8	28'4"
-3.0m t				22.8*	22.8*	14.1	17.3*	9.2	13.2*	6.8	10.2*	6.5	9.6*	7.8
-10ft lb				50.2*	50.2*	30.8	37.4*	20.2	28.6*	15.0	21.9*	14.6	21.1*	25'7"
-4.5m t				18.3*	18.3*	14.1*	14.1*	9.5	10.7*			8.4	9.4*	6.6
-15ft lb				39.3*	39.3*	30.3*	30.3*	20.8	22.8*			19.1	20.7*	21'4"
-6.0m t														
-20ft lb														

Stick 3.95 m / 13'

Under-carriage	Height	3.0m 10 ft		4.5m 15 ft		6.0m 20 ft		7.5m 25 ft		9.0m 30 ft		Max. reach		m ft in
		LC	WLC	LC	WLC	LC	WLC	LC	WLC	LC	WLC	LC	WLC	
7.5m t								7.7*	7.7*			6.4*	6.4*	8.3
25ft lb								16.9	17.0*			14.1*	14.1*	26'11"
6.0m t								7.6	8.0*			5.5	6.3*	9.1
20ft lb								16.6	17.5*			12.3	13.9*	29'8"
4.5m t						9.8*	9.8*	7.3	8.7*	5.4	8.0*	4.9	6.4*	9.6
15ft lb						21.2*	21.2*	16.0	18.9*	11.8	17.5	10.9	14.2*	31'5"
3.0m t				14.0*	14.0*	14.9	15.1*	9.7	11.4*	7.0	9.5*	5.3	7.8	9.9
10ft lb				35.7*	35.7*	32.5	32.6*	21.2	24.7*	15.2	20.7*	11.4	17.0	32'4"
1.5m t				7.0*	7.0*	13.6	17.9*	9.1	13.0*	6.6	10.0	5.1	7.6	9.9
5ft lb				16.5*	16.5*	29.7	38.7*	19.8	28.0*	14.4	21.8	11.0	16.6	32'5"
0m t				9.9*	9.9*	12.9	19.3*	8.6	13.6	6.3	9.7	4.9	7.4	9.7
0ft lb				22.4*	22.4*	28.1	41.7*	18.8	29.6	13.8	21.2	10.7	16.2	31'8"
-1.5m t				14.5*	14.5*	12.7	19.2*	8.4	13.3	6.2	9.5	4.8	7.4	9.2
-5ft lb				32.7*	32.7*	27.5	41.7*	18.2	29.0	13.4	20.8	10.5	16.0	30'2"
-3.0m t				20.4*	20.4*	12.7	18.1*	8.3	13.3	6.1	9.5	5.3	8.1	8.4
-10ft lb				46.0*	46.0*	27.6	39.2*	18.1	28.9	13.4	20.7	11.8	18.1	27'7"
-4.5m t				21.4*	21.4*	13.0	15.7*	8.5	11.9*			6.5	9.3*	7.3
-15ft lb				46.1*	46.1*	28.2	33.8*	18.5	25.6*			14.7	20.4*	23'10"
-6.0m t						11.2*	11.2*					9.0*	9.0*	5.5
-20ft lb						23.5*	23.5*					19.6*	19.6*	17'8"
7.5m t								7.7*	7.7*			6.4*	6.4*	8.3
25ft lb								17.0*	17.0*			14.1*	14.1*	26'11"
6.0m t								8.0*	8.0*			5.8	6.3*	9.1
20ft lb								17.5*	17.5*			13.1	13.9*	29'8"
4.5m t						9.8*	9.8*	7.8	8.7*	5.8	8.0*	5.2	6.4*	9.6
15ft lb						21.2*	21.2*	17.0	18.9*	12.6	17.5*	11.7	14.2*	31'5"
3.0m t				14.0*	14.0*	15.1*	15.1*	10.4	11.4*	7.4	9.5*	5.6	8.4*	9.9
10ft lb				35.7*	35.7*	32.6*	32.6*	22.7	24.7*	16.2	20.7*	12.2	18.4*	32'4"
1.5m t				7.0*	7.0*	14.7	17.9*	9.7	13.0*	7.1	10.4*	5.4	8.5	9.9
5ft lb				16.5*	16.5*	32.1	38.7*	21.2	28.0*	15.4	22.6*	11.8	18.4	32'5"
0m t				9.9*	9.9*	14.0	19.3*	9.3	13.9*	6.8	10.9	5.3	8.3	9.7
0ft lb				22.4*	22.4*	30.5	41.7*	20.2	30.2*	14.8	23.7	11.5	18.1	31'8"
-1.5m t				14.5*	14.5*	13.8	19.2*	9.0	14.2*	6.6	10.7	5.2	8.2	9.2
-5ft lb				32.7*	32.7*	29.9	41.7*	19.7	30.8*	14.5	23.3	11.3	17.9	30'2"
-3.0m t				20.4*	20.4*	13.8	18.1*	9.0	13.6*	6.6	10.6	5.7	9.0	8.4
-10ft lb				46.0*	46.0*	30.0	39.2*	19.6	29.5*	14.4	22.9*	12.7	20.0*	27'7"
-4.5m t				21.4#	21.4#	14.1	15.7#	9.1	11.9#			7.0	9.3#	7.3
-15ft lb				46.1*	46.1*	30.6	33.8*	20.0	25.6*			15.8	20.4*	23'10"
-6.0m t						11.2*	11.2*					9.0*	9.0*	5.5
-20ft lb						23.5*	23.5*					19.6*	19.6*	17'8"

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

The load values are quoted in tons (t) / lb x 1,000 at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 800 mm / 31" 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 495 kg / 1,090 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

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 6.45 m / 21'2", counterweight 9.4 t / 20,720 lb and track pads 800 mm / 31"

Stick 2.60 m / 8'6"

Under-carriage	Height	3.0m 10 ft		4.5m 15 ft		6.0m 20 ft		7.5m 25 ft		9.0m 30 ft		m ft in
		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	
LC	7.5m t					10.0* 10.0*						9.2 9.9* 6.9
	25 ft lb					22.0* 22.0*						20.9 21.8* 22.5"
	6.0m t					10.6* 10.6*	8.0 9.7*					7.4 9.6* 7.9
	20 ft lb					23.1* 23.1*	17.4 21.3*					16.5 21.2* 25.8"
	4.5m t		15.2* 15.2*			10.8 11.8*	7.8 10.2*					6.4 9.4 8.5
	15 ft lb		32.7* 32.7*			23.5 25.6*	16.9 22.2*					14.4 20.9 27.10"
	3.0m t		15.1 18.4*			10.2 13.3*	7.5 10.8*					6.0 8.7 8.8
	10 ft lb		33.0 39.6*			22.3 28.7*	16.3 23.5*					13.3 19.5 28.10"
	1.5m t		14.4 16.5*			9.7 14.3*	7.2 10.8					5.8 8.6 8.8
	5 ft lb		31.3 40.4*			21.2 31.0*	15.8 23.4					13.0 19.1 28.11"
WLC	0m t		14.2 19.6*			9.5 14.7*	7.1 10.6					6.0 8.8 8.6
	0 ft lb		30.9 42.6*			20.7 31.8*	15.4 23.0					13.3 19.6 28.1"
	-1.5m t	15.0* 15.0*	14.2 18.4*			9.4 14.2*	7.0 10.5					6.5 9.6 8.0
	-5 ft lb	34.0* 34.0*	30.9 40.0*			20.5 30.7*	15.4 23.0					14.4 21.5 26.4"
	-3.0m t	20.1* 20.1*	14.5 16.2*			9.5 12.6*						7.6 10.1* 7.1
	-10 ft lb	43.8* 43.8*	31.4 35.0*			20.8 27.2*						17.1 22.3* 23.4"
	-4.5m t		12.2* 12.2*									9.4* 9.4* 5.7
	-15 ft lb		25.9* 25.9*									20.6* 20.6* 18.7"
	-6.0m t											
	-20 ft lb											
WLC	7.5m t					10.0* 10.0*						9.7 9.9* 6.9
	25 ft lb					22.0* 22.0*						21.8* 21.8* 22.5"
	6.0m t					10.6* 10.6*	8.5 9.7*					7.8 9.6* 7.9
	20 ft lb					23.1* 23.1*	18.4 21.3*					17.6 21.2* 25.8"
	4.5m t		15.2* 15.2*			11.5 11.8*	8.3 10.2*					6.8 9.6* 8.5
	15 ft lb		32.7* 32.7*			25.1 25.6*	18.0 22.2*					15.3 21.1* 27.10"
	3.0m t		16.3 18.4*			10.9 13.3*	8.0 10.8*					6.4 9.6 8.8
	10 ft lb		35.6 39.6*			23.8 28.7*	17.4 23.5*					14.2 21.3* 28.10"
	1.5m t		15.5 16.5*			10.4 14.3*	7.7 11.4*					6.2 9.5 8.8
	5 ft lb		33.8 40.4*			22.7 31.0*	16.8 24.7*					13.8 21.1 28.11"

Stick 2.90 m / 9'6"

Under-carriage	Height	3.0m 10 ft		4.5m 15 ft		6.0m 20 ft		7.5m 25 ft		9.0m 30 ft		m ft in
		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	
LC	7.5m t											8.6 9.3* 7.2
	25 ft lb											19.5 20.5* 23.6"
	6.0m t					10.2* 10.2*	8.0 9.3*					7.0 9.1* 8.2
	20 ft lb					22.1* 22.1*	17.5 20.4*					15.7 20.0* 26.7"
	4.5m t		14.5* 14.5*			10.9 11.4*	7.8 9.9*					6.2 8.9 8.7
	15 ft lb		31.2* 31.2*			23.7 24.7*	17.0 21.5*					13.8 20.0 28.7"
	3.0m t		15.3 17.7*			10.3 12.9*	7.5 10.6*	5.7 8.4				5.7 8.4 9.0
	10 ft lb		33.4 38.1*			22.4 27.9*	16.3 23.0*					12.8 18.7 29.7"
	1.5m t		14.4 19.6*			9.7 14.1*	7.2 10.8	5.6 8.3				5.6 8.2 9.0
	5 ft lb		31.4 42.4*			21.3 30.5*	15.7 23.4					12.4 18.3 29.8"
WLC	0m t		14.1 19.7*			9.4 14.6*	7.0 10.5					5.7 8.4 8.8
	0 ft lb		30.7 42.8*			20.6 31.6*	15.3 23.0					12.7 18.7 28.11"
	-1.5m t	15.0* 15.0*	14.1 18.7*			9.3 14.3*	7.0 10.5					6.1 9.1 8.3
	-5 ft lb	34.0* 34.0*	30.7 40.7*			20.4 30.9*	15.2 22.8					13.7 20.4 27.2"
	-3.0m t	21.6* 21.6*	14.3 16.7*			9.4 13.0*						7.1 9.9* 7.5
	-10 ft lb	47.0* 47.0*	31.1 36.3*			20.6 28.0*						16.0 21.9* 24.4"
	-4.5m t		16.5* 16.5*			13.1* 13.1*	9.8 9.8*					9.5 9.5* 6.1
	-15 ft lb		35.4* 35.4*			28.1* 28.1*						20.9* 20.9* 19.10"
	-6.0m t											
	-20 ft lb											
WLC	7.5m t											9.1 9.3* 7.2
	25 ft lb											20.5* 20.5* 23.6"
	6.0m t					10.2* 10.2*	8.5 9.3*					7.4 9.1* 8.2
	20 ft lb					22.1* 22.1*	18.6 20.4*					16.7 20.0* 26.7"
	4.5m t		14.5* 14.5*			11.4* 11.4*	8.3 9.9*					6.6 9.2* 8.7
	15 ft lb		31.2* 31.2*			24.7* 24.7*	18.1 21.5*					14.7 20.2 28.7"
	3.0m t		16.5 17.7*			11.0 12.9*	8.0 10.6*	6.1 9.3				6.1 9.2 9.0
	10 ft lb		36.0 38.1*			23.9 27.9*	17.4 23.0*					13.6 20.4 29.7"
	1.5m t		15.6 19.6*			10.4 14.1*	7.7 11.2*	6.0 9.1				5.9 9.1 9.0
	5 ft lb		34.0 42.4*			22.8 30.5*	16.8 24.3*					13.3 20.2 29.8"

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

The load values are quoted in tons (t) / lb x 1,000 at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 800 mm / 31" 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 495 kg / 1,090 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

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 3.25 m / 10'8"

Under-carriage	Height	3.0m 10 ft		4.5m 15 ft		6.0m 20 ft		7.5m 25 ft		9.0m 30 ft		Max. reach	
		t	lb	t	lb	t	lb	t	lb	t	lb	m	ft in
LC	7.5m t							8.2	8.8*			7.9	8.1*
	25 ft lb							18.0	18.0*			24'10"	7.6
	6.0m t							8.1	8.9*			6.5	8.0*
	20 ft lb							17.5	19.4*			14.7	17.6*
	4.5m t			13.6*	13.6*	10.9*	10.9*	7.8	9.5*	5.9	8.5	5.8	8.1*
	15 ft lb			29.2*	29.2*	23.6*	23.6*	17.0	20.6*			13.0	17.8*
	3.0m t			15.5	16.9*	10.3	12.4*	7.5	10.2*	5.7	8.4	5.4	7.9
	10 ft lb			33.8	36.3*	22.4	26.9*	16.3	22.3*	12.4	18.2	12.0	17.7
	1.5m t			14.5	19.1*	9.7	13.7*	7.2	10.7	5.6	8.2	5.3	7.8
	5 ft lb			31.5	41.3*	21.2	29.7*	15.6	23.3	12.1	17.9	11.7	17.3
WLC	0m t			14.0	19.7*	9.4	14.4*	7.0	10.5	5.5	8.1	5.3	7.9
	0 ft lb	16.7*	16.7*	30.5	42.6*	20.4	31.2*	15.2	22.8			11.9	17.7
	-1.5m t	14.5*	14.5*	14.0	19.0*	9.2	14.3*	6.9	10.4			5.7	8.5
	-5 ft lb	32.9*	32.9*	30.3	41.2*	20.1	30.9*	15.0	22.6			12.8	19.0
	-3.0m t	22.8*	22.8*	14.1	17.3*	9.3	13.2*	6.9	10.2*			6.6	9.6*
	-10 ft lb	50.2*	50.2*	30.7	37.4*	20.2	28.6*	15.1	21.9*			14.7	21.1*
	-4.5m t	18.3*	18.3*	14.1*	14.1*	9.5	10.7*					8.5	9.4*
	-15 ft lb	39.3*	39.3*	30.3*	30.3*	20.9	22.8*					19.2	20.7*
	-6.0m t												
	-20 ft lb												
WLC	7.5m t							8.7	8.8*			8.1*	8.1*
	25 ft lb							18.0*	18.0*			24'10"	7.6
	6.0m t							8.6	8.9*			7.0	8.0*
	20 ft lb							18.6	19.4*			15.6	17.6*
	4.5m t			13.6*	13.6*	10.9*	10.9*	8.3	9.5*	6.2	8.6*	6.2	8.1*
	15 ft lb			29.2*	29.2*	23.6*	23.6*	18.1	20.6*			13.8	17.8*
	3.0m t			16.7	16.9*	11.0	12.4*	8.0	10.2*	6.1	9.0*	5.8	8.5*
	10 ft lb			36.3*	36.3*	24.0	26.9*	17.4	22.3*	13.3	19.6*	12.9	18.7*
	1.5m t			15.6	19.1*	10.4	13.7*	7.7	11.0*	5.9	9.1	5.6	8.6
	5 ft lb			34.0	41.3*	22.7	29.7*	16.7	23.8*	12.9	19.8	12.5	19.1
WLC	0m t			15.2	19.7*	10.1	14.4*	7.4	11.4*	5.8	9.0	5.7	8.8
	0 ft lb	16.7*	16.7*	33.0	42.6*	22.0	31.2*	16.2	24.6*			12.7	19.6
	-1.5m t	14.5*	14.5*	15.1	19.0*	9.9	14.3*	7.3	11.2*			6.1	9.4*
	-5 ft lb	32.9*	32.9*	32.8	41.2*	21.6	30.9*	16.0	24.3*			13.7	20.8*
	-3.0m t	22.8*	22.8*	15.2	17.3*	10.0	13.2*	7.4	10.2*			7.0	9.6*
	-10 ft lb	50.2*	50.2*	33.1	37.4*	21.7	28.6*	16.2	21.9*			15.7	21.1*
	-4.5m t	18.3*	18.3*	14.1*	14.1*	10.2	10.7*					9.1	9.4*
	-15 ft lb	39.3*	39.3*	30.3*	30.3*	22.4	22.8*					20.6	20.7*
	-6.0m t												
	-20 ft lb												

Stick 3.95 m / 13'

Under-carriage	Height	3.0m 10 ft		4.5m 15 ft		6.0m 20 ft		7.5m 25 ft		9.0m 30 ft		Max. reach	
		t	lb	t	lb	t	lb	t	lb	t	lb	m	ft in
LC	7.5m t							7.7*	7.7*			6.4*	6.4*
	25 ft lb							17.0*	17.0*			14.1*	14.1*
	6.0m t							8.0*	8.0*	6.0	6.7*	5.9	6.3*
	20 ft lb							17.5*	17.5*			13.3	13.9*
	4.5m t					9.8*	9.8*	7.9	8.7*	5.9	8.0*	5.3	6.4*
	15 ft lb					21.2*	21.2*	17.1	18.9*	12.8	17.5*	11.8	14.2*
	3.0m t	14.0*	14.0*	15.1*	15.1*	10.4	11.4*	7.5	9.5*	5.7	8.4	4.9	6.8*
	10 ft lb	35.7*	35.7*	32.6*	32.6*	22.7	24.7*	16.3	20.7*	12.4	18.2	11.0	14.9*
	1.5m t	7.0*	7.0*	14.7	17.9*	9.8	13.0*	7.1	10.4*	5.5	8.1	4.8	7.1
	5 ft lb	16.5*	16.5*	32.0	38.7*	21.3	28.0*	15.6	22.6*	11.9	17.7	10.6	15.8
WLC	0m t	9.9*	9.9*	14.0	19.3*	9.3	13.9*	6.9	10.4	5.3	8.0	4.8	7.2
	0 ft lb	22.4*	22.4*	30.4	41.7*	20.3	30.2*	15.0	22.6	11.6	17.4	10.7	16.0
	-1.5m t	14.5*	14.5*	13.7	19.2*	9.1	14.2*	6.7	10.2	5.2	7.9	5.1	7.6
	-5 ft lb	32.7*	32.7*	29.8	41.7*	19.8	30.8*	14.6	22.2	11.5	17.2	11.4	17.1
	-3.0m t	20.4*	20.4*	13.7	18.1*	9.0	13.6*	6.7	10.2			5.7	8.6
	-10 ft lb	46.0*	46.0*	29.9	39.2*	19.7	29.5*	14.6	22.2			12.8	19.3
	-4.5m t	21.4*	21.4*	14.0	15.7*	9.2	11.9*					7.1	9.3*
	-15 ft lb	46.1*	46.1*	30.5	33.8*	20.1	25.6*					16.0	20.4*
	-6.0m t			11.2*	11.2*							9.0*	9.0*
	-20 ft lb			23.5*	23.5*							19.6*	19.6*
WLC	7.5m t							7.7*	7.7*			6.4*	6.4*
	25 ft lb							17.0*	17.0*			14.1*	14.1*
	6.0m t							8.0*	8.0*	6.4	6.7*	6.3	6.3*
	20 ft lb							17.5*	17.5*			13.9*	13.9*
	4.5m t					9.8*	9.8*	8.4	8.7*	6.3	8.0*	5.6	6.4*
	15 ft lb					21.2*	21.2*	18.2	18.9*	13.6	17.5*	12.6	14.2*
	3.0m t	14.0*	14.0*	15.1*	15.1*	11.1	11.4*	8.0	9.5*	6.1	8.4*	5.2	6.8*
	10 ft lb	35.7*	35.7*	32.6*	32.6*	24.3	24.7*	17.4	20.7*	13.2	18.4*	11.7	14.9*
	1.5m t	7.0*	7.0*	15.8	17.9*	10.5	13.0*	7.6	10.4*	5.9	8.9*	5.1	7.3*
	5 ft lb	16.5*	16.5*	34.5	38.7*	22.8	28.0*	16.6	22.6*	12.8	19.3*	11.4	16.1*
WLC	0m t	9.9*	9.9*	15.1	19.3*	10.0	13.9*	7.3	11.0*	5.7	8.8	5.2	8.0*
	0 ft lb	22.4*	22.4*	32.9	41.7*	21.8	30.2*	16.0	23.8*	12.4	19.3	11.5	17.8
	-1.5m t	14.5*	14.5*	14.9	19.2*	9.8	14.2*	7.2	11.2*	5.6	8.8	5.5	8.5
	-5 ft lb	32.7*	32.7*	32.3	41.7*	21.3	30.8*	15.7	24.2*	12.3	19.1	12.2	19.0
	-3.0m t	20.4*	20.4*	14.9	18.1*	9.7	13.6*	7.2	10.6*			6.1	9.1*
	-10 ft lb	46.0*	46.0*	32.4	39.2*	21.2	29.5*	15.6	22.9*			13.7	20.0*
	-4.5m t	21.4*	21.4*	15.2	15.7*	9.9	11.9*					7.6	9.3*
	-15 ft lb	46.1*	46.1*	33.0	33.8*	21.6	25.6*					17.1	20.4*
	-6.0m t			11.2*	11.2*							9.0*	9.0*
	-20 ft lb			23.5*	23.5*							19.6*	19.6*

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

The load values are quoted in tons (t) / lb x 1,000 at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 800 mm / 31" 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 495 kg / 1,090 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

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 SME 6.15 m / 20'2", counterweight 8.4 t / 18,520 lb and track pads 800 mm / 31"

Stick SME 2.15 m / 7'1"

Under-carriage	Height	3.0m 10 ft		4.5m 15 ft		6.0m 20 ft		7.5m 25 ft		9.0m 30 ft		m ft in
		LC	WLC	LC	WLC	LC	WLC	LC	WLC	LC	WLC	
7.5m t												10.7 11.3*
25 ft lb												24.5 25.0*
6.0m t						10.4 11.4*						8.0 10.8*
20 ft lb						22.7 24.9*						18.1 23.8*
4.5m t				15.3 16.0*		10.0 12.4*	7.1 10.6					6.8 10.1 7.7
15 ft lb				33.3 34.3*		21.7 26.9*	15.5 23.0					15.2 22.6 25.4"
3.0m t				13.9 18.9*	9.4 13.7*	6.9 10.3						6.2 9.3 8.0
10 ft lb				30.5 40.6*	20.5 29.6*	15.0 22.5						13.9 20.7 26.5"
1.5m t				13.3 19.1*	9.0 14.0	6.7 10.1						6.0 9.1 8.1
5 ft lb				29.0 43.2*	19.6 30.5	14.6 21.9						13.5 20.2 26.6"
0m t				13.2 19.3*	8.8 13.8	6.6 9.9						6.2 9.4 7.8
0 ft lb				28.7 42.0*	19.1 30.0	14.3 21.7						13.9 21.0 25.7"
-1.5m t	19.0* 19.0*	13.3 17.7*	8.8 13.7*									6.9 10.5 7.2
-5 ft lb	43.4* 43.4*	28.9 38.5*	19.2 29.7*									15.4 23.5 23.8"
-3.0m t	17.6* 17.6*	13.6 14.8*	9.0 11.3*									8.6 10.7* 6.2
-10 ft lb	38.4* 38.4*	29.6 31.9*	19.7 24.0*									19.4 23.4* 20.4"
-4.5m t												
-15 ft lb												
7.5m t												11.3* 11.3*
25 ft lb												25.0* 25.0*
6.0m t						11.1 11.4*						8.5 10.8*
20 ft lb						24.2 24.9*						19.3 23.8*
4.5m t			16.0* 16.0*	10.7 12.4*	7.6 10.8*							7.3 10.6* 7.7
15 ft lb			34.3* 34.3*	23.2 26.9*	16.6 23.5*							16.3 23.4* 25.4"
3.0m t			15.1 18.9*	10.1 13.7*	7.4 11.2*							6.6 10.3 8.0
10 ft lb			32.9 40.6*	22.0 29.6*	16.1 24.4*							14.8 23.0 26.5"
1.5m t			14.4 19.1*	9.7 14.5*	7.1 11.2							6.5 10.1 8.1
5 ft lb			31.4 43.2*	21.1 31.5*	15.6 24.5							14.4 22.5 26.6"
0m t			14.3 19.3*	9.4 14.6*	7.0 11.1							6.7 10.5 7.8
0 ft lb			31.1 42.0*	20.6 31.7*	15.4 24.2							14.9 23.4 25.7"
-1.5m t	19.0* 19.0*	14.4 17.7*	9.4 13.7*									7.4 11.0* 7.2
-5 ft lb	43.4* 43.4*	31.3 38.5*	20.6 29.7*									16.6 24.2* 23.8"
-3.0m t	17.6* 17.6*	14.7 14.8*	9.7 11.3*									9.2 10.7* 6.2
-10 ft lb	38.4* 38.4*	31.9* 31.9*	21.2 24.0*									20.8 23.4* 20.4"
-4.5m t												
-15 ft lb												

Stick SME 2.60 m / 8'6"

Under-carriage	Height	3.0m 10 ft		4.5m 15 ft		6.0m 20 ft		7.5m 25 ft		9.0m 30 ft		m ft in
		LC	WLC	LC	WLC	LC	WLC	LC	WLC	LC	WLC	
7.5m t						10.3* 10.3*						9.3 10.3*
25 ft lb						22.8* 22.8*						21.3 22.8*
6.0m t						10.6 10.7*	7.3 10.0*					7.3 10.0*
20 ft lb						22.9 23.3*						16.4 22.0*
4.5m t				14.9* 14.9*	10.1 11.8*	10.1 11.8*	7.2 10.3*					6.3 9.3 8.2
15 ft lb				32.1* 32.1*	21.9 25.6*	21.9 25.6*	15.6 22.4*					14.0 20.7 26.8"
3.0m t				14.2 18.0*	9.5 13.2*	9.5 13.2*	6.9 10.3					5.8 8.6 8.5
10 ft lb				31.1 38.7*	20.7 28.5*	20.7 28.5*	15.0 22.5					12.8 19.1 27.8"
1.5m t				13.4 19.7*	9.0 14.0	9.0 14.0	6.6 10.0					5.6 8.4 8.5
5 ft lb				29.2 42.6*	19.6 30.6	19.6 30.6	14.5 21.9					12.5 18.7 27.10"
0m t				13.1 19.7*	8.7 13.7	8.7 13.7	6.5 9.9					5.7 8.6 8.2
0 ft lb				28.5 42.7*	19.0 29.9	19.0 29.9	14.1 21.5					12.8 19.3 27"
-1.5m t	18.0* 18.0*	13.1 18.4*	8.7 13.7	6.5 9.8								6.3 9.5 7.7
-5 ft lb	40.8* 40.8*	28.6 39.9*	18.9 29.7	14.1 21.5								14.0 21.3 25.2"
-3.0m t	20.2* 20.2*	13.4 15.9*	8.8 12.2*									7.6 10.3* 6.8
-10 ft lb	43.8* 43.8*	29.1 34.4*	19.3 26.1*									17.0 22.8* 22"
-4.5m t		11.1* 11.1*										9.3* 9.3* 5.2
-15 ft lb		23.4* 23.4*										20.3* 20.3* 16.11"
7.5m t						10.3* 10.3*						9.9 10.3*
25 ft lb						22.8* 22.8*						22.7 22.8*
6.0m t						10.7* 10.7*	7.8 10.0*					7.7 10.0*
20 ft lb						23.3* 23.3*						17.5 22.0*
4.5m t				14.9* 14.9*	10.8 11.8*	10.8 11.8*	7.6 10.3*					6.7 9.9* 8.2
15 ft lb				32.1* 32.1*	23.4 25.6*	23.4 25.6*	16.6 22.4*					15.0 21.8* 26.8"
3.0m t				15.4 18.0*	10.2 13.2*	10.2 13.2*	7.4 10.9*					6.2 9.5 8.5
10 ft lb				33.6 38.7*	22.2 28.5*	22.2 28.5*	16.1 23.6*					13.7 21.2 27.8"
1.5m t				14.5 19.7*	9.7 14.2*	9.7 14.2*	7.1 11.2					6.0 9.3 8.5
5 ft lb				31.6 42.6*	21.1 30.8*	21.1 30.8*	15.5 24.4					13.3 20.8 27.10"
0m t				14.2 19.7*	9.4 14.6*	9.4 14.6*	6.9 11.0					6.1 9.6 8.2
0 ft lb				30.9 42.7*	20.5 31.6*	20.5 31.6*	15.2 24.0					13.7 21.5 27"
-1.5m t	18.0* 18.0*	14.2 18.4*	9.3 14.0*	6.9 10.8*								6.7 10.4* 7.7
-5 ft lb	40.8* 40.8*	31.0 39.9*	20.4 30.4*	15.2 23.3*								15.0 23.0* 25.2"
-3.0m t	20.2* 20.2*	14.5 15.9*	9.5 12.2*									8.1 10.3* 6.8
-10 ft lb	43.8* 43.8*	31.5 34.4*	20.7 26.1*									18.3 22.8* 22"
-4.5m t		11.1* 11.1*										9.3* 9.3* 5.2
-15 ft lb		23.4* 23.4*										20.3* 20.3* 16.11"

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

The load values are quoted in tons (t) / lb x 1,000 at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 800 mm / 31" 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 590 kg / 1,300 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

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 SME 6.15 m / 20'2", counterweight 9.4 t / 20,720 lb and track pads 800 mm / 31"

Stick SME 2.15 m / 7'1"

Under-carriage		3.0m 10 ft		4.5m 15 ft		6.0m 20 ft		7.5m 25 ft		9.0m 30 ft				m ft in
														
S-HD	7.5m t											11.3*	11.3*	6.0
	25 ft lb											25.0*	25.0*	19'4"
	6.0m t					11.2	11.4*					8.6	10.8*	7.1
	20 ft lb					24.3	24.9*					19.3	23.8*	23'
	4.5m t			16.0*	16.0*	10.7	12.4*	7.7	10.8*			7.3	10.6*	7.7
	15 ft lb			34.3*	34.3*	23.3	26.9*	16.7	23.5*			16.4	23.4*	25'4"
	3.0m t			15.0	18.9*	10.1	13.7*	7.4	11.0			6.7	9.9	8.0
	10 ft lb			32.7	40.6*	22.1	29.6*	16.2	23.9			15.0	22.0	26'5"
	1.5m t			14.4	19.1*	9.7	14.5*	7.2	10.7			6.5	9.7	8.1
	5 ft lb			31.3	43.2*	21.2	31.5*	15.7	23.4			14.5	21.5	26'6"
LCV	0m t			14.2	19.3*	9.5	14.6*	7.1	10.6			6.7	10.0	7.8
	0 ft lb			30.9	42.0*	20.7	31.7*	15.5	23.2			15.0	22.4	25'7"
	-1.5m t	19.0*	19.0*	14.3	17.7*	9.5	13.7*					7.5	11.0*	7.2
	-5 ft lb	43.4*	43.4*	31.2	38.5*	20.7	29.7*					16.7	24.2*	23'8"
	-3.0m t	17.6*	17.6*	14.6	14.8*	9.7	11.3*					9.3	10.7*	6.2
	-10 ft lb	38.4*	38.4*	31.9	31.9*	21.3	24.0*					20.9	23.4*	20'4"
	-4.5m t													
	-15 ft lb													
	7.5m t											11.3*	11.3*	6.0
	25 ft lb											25.0*	25.0*	19'4"

Stick SME 2.60 m / 8'6"

Under-carriage		3.0m 10 ft		4.5m 15 ft		6.0m 20 ft		7.5m 25 ft		9.0m 30 ft				m ft in
														
S-HD	7.5m t					10.3*	10.3*					10.0	10.3*	6.5
	25 ft lb					22.8*	22.8*					22.8	22.8*	21'1"
	6.0m t					10.7*	10.7*	7.9	10.0*			7.8	10.0*	7.5
	20 ft lb					23.3*	23.3*					17.6	22.0*	24'7"
	4.5m t			14.9*	14.9*	10.8	11.8*	7.7	10.3*			6.7	9.9	8.2
	15 ft lb			32.1*	32.1*	23.5	25.6*	16.7	22.4*			15.1	21.8*	26'8"
	3.0m t			15.3	18.0*	10.2	13.2*	7.4	10.9*			6.2	9.1	8.5
	10 ft lb			33.4	38.7*	22.2	28.5*	16.2	23.6*			13.9	20.4	27'8"
	1.5m t			14.5	19.7*	9.7	14.2*	7.2	10.7			6.0	9.0	8.5
	5 ft lb			31.5	42.6*	21.2	30.8*	15.6	23.3			13.5	20.0	27'10"
LCV	0m t			14.2	19.7*	9.4	14.6*	7.0	10.5			6.2	9.2	8.2
	0 ft lb			30.8	42.7*	20.6	31.6*	15.3	23.0			13.8	20.6	27'
	-1.5m t	18.0*	18.0*	14.2	18.4*	9.4	14.0*	7.0	10.5			6.8	10.2	7.7
	-5 ft lb	40.8*	40.8*	30.9	39.9*	20.5	30.4*	15.3	23.0			15.2	22.7	25'2"
	-3.0m t	20.2*	20.2*	14.4	15.9*	9.5	12.2*					8.2	10.3*	6.8
	-10 ft lb	43.8*	43.8*	31.4	34.4*	20.8	26.1*					18.4	22.8*	22'
	-4.5m t			11.1*	11.1*							9.3*	9.3*	5.2
	-15 ft lb			23.4*	23.4*							20.3*	20.3*	16'11"
	7.5m t					10.3*	10.3*					10.3*	10.3*	6.5
	25 ft lb					22.8*	22.8*					22.8*	22.8*	21'1"



Height



Can be slewed through 360°



In longitudinal position of undercarriage



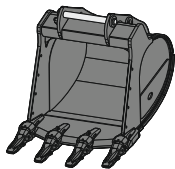
Max. reach

* Limited by hydr. capacity

The load values are quoted in tons (t) / lb x 1,000 at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 800 mm / 31" 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 590 kg / 1,300 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

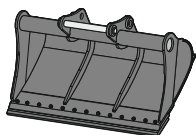
Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.

Attachments



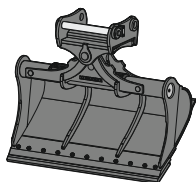
Backhoe bucket TL 06

Mounting	direct mounting, SWA 66 mechanical, SWA 66 hydraulic, SWA 66 Solidlink										
Cutting width	mm / ft in	1,050 ²⁾ / 3'5"	1,200 / 3'11"	1,350 / 4'5"	1,500 / 4'11"	1,600 / 5'3"	1,600 / 5'3"	1,650 / 5'5"	1,800 / 5'11"	1,800 / 5'11"	1,850 / 6'1"
Capacity	m ³ / yd ³	1.00 / 1.31	1.25 / 1.63	1.50 / 1.96	1.75 / 2.29	1.90 / 2.48	2.15 / 2.81	2.00 / 2.62	2.50 / 3.27	2.75 / 3.60	3.00 / 3.92
Weight ¹⁾	kg / lb	1,125 / 2,480	1,270 / 2,800	1,355 / 2,987	1,440 / 3,175	1,640 / 3,616	1,700 / 3,748	1,600 / 3,527	1,830 / 4,034	1,880 / 4,145	1,940 / 4,277



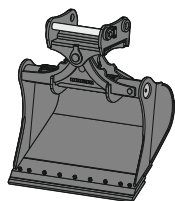
Ditch cleaning bucket GRL rigid 06

Mounting	direct mounting, SWA 66 mechanical, SWA 66 hydraulic, SWA 66 Solidlink									
Cutting width	mm / ft in	2,200 / 7'3"		2,400 / 7'10"		2,800 / 9'2"		2,800 / 9'2"		
Capacity	m ³ / yd ³	1.65 / 2.16		1.50 / 1.96		2.60 / 3.40		2.90 / 3.79		
Weight ¹⁾	kg / lb	1,050 / 2,315		964 / 2,125		1,522 / 3,355		1,561 / 3,441		



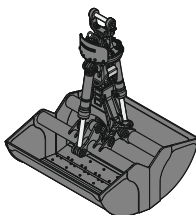
Ditch cleaning bucket GRL 100

Mounting	direct mounting, SWA 66 mechanical, SWA 66 hydraulic, SWA 66 Solidlink									
Cutting width	mm / ft in	2,000 / 6'7"	2,000 / 6'7"	2,000 / 6'7"	2,200 / 7'3"	2,400 / 7'10"		2,400 / 7'10"		
Capacity	m ³ / yd ³	0.70 / 0.92	1.20 / 1.57	1.45 / 1.90	1.65 / 2.16	0.85 / 1.11		1.45 / 1.90		
Weight ¹⁾	kg / lb	1,375 / 3,031	1,520 / 3,351	1,600 / 3,527	1,675 / 3,693	1,480 / 3,263		1,625 / 3,583		
Tilt angle		2 x 50°	2 x 50°	2 x 50°	2 x 50°	2 x 50°		2 x 50°		



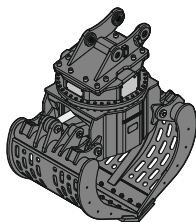
Tilt bucket SL 100

Mounting	direct mounting, SWA 66 mechanical, SWA 66 hydraulic, SWA 66 Solidlink									
Cutting width	mm / ft in	1,600 / 5'3"	1,600 / 5'3"	1,700 ³⁾ / 5'7"		1,800 / 5'11"		1,800 ³⁾ / 5'11"		
Capacity	m ³ / yd ³	1.45 / 1.90	1.75 / 2.29	1.85 / 2.42		1.60 / 2.09		2.00 / 2.62		
Weight ¹⁾	kg / lb	1,520 / 3,351	1,630 / 3,594	1,800 / 3,968		1,610 / 3,549		1,860 / 4,101		
Tilt angle		2 x 50°	2 x 50°	2 x 50°		2 x 50°		2 x 50°		



Clamshell grab GMZ 80 with clamshell buckets

Mounting	direct mounting, SWA 66 mechanical, SWA 66 hydraulic, SWA 66 Solidlink, Oilquick OQ 80									
Shell width	mm / ft in	1,200 / 3'11"	1,200 / 3'11"	1,400 / 4'7"	1,400 / 4'7"	1,650 / 5'5"	1,650 / 5'5"	2,000 / 6'7"	2,000 / 6'7"	
Capacity ⁴⁾	m ³ / yd ³	1.40 / 1.83	1.40 / 1.83	1.70 / 2.22	1.70 / 2.22	2.00 / 2.62	2.00 / 2.62	2.50 / 3.27	2.50 / 3.27	
Opening width	mm / ft	2,128 / 7'	2,128 / 7'	2,128 / 7'	2,128 / 7'	2,128 / 7'	2,128 / 7'	2,128 / 7'	2,128 / 7'	
Weight ⁵⁾	kg / lb	2,170 ⁶⁾ / 4,784 ⁶⁾	2,130 / 4,696	2,275 ⁶⁾ / 5,016 ⁶⁾	2,225 / 4,905	2,415 ⁶⁾ / 5,324 ⁶⁾	2,345 / 5,170	2,595 ⁶⁾ / 5,721 ⁶⁾	2,520 / 5,556	



Sorting grab SG 40

Mounting	direct mounting, SWA 66 mechanical, SWA 66 hydraulic, SWA 66 Solidlink, Oilquick OQ 80									
Shell type		perforated				ribbed				
Shell width	mm / ft in	1,100 / 3'7"		1,300 / 4'3"		1,100 / 3'7"		1,300 / 4'3"		
Capacity	m ³ / yd ³	1.30 / 1.70		1.60 / 2.09		1.10 / 1.44		1.40 / 1.83		
Max. closing force	kN / lbf	100 / 22,481		100 / 22,481		100 / 22,481		100 / 22,481		
Weight ⁷⁾	kg / lb	2,505 / 5,523		2,595 / 5,721		2,585 / 5,699		2,695 / 5,941		

¹⁾ based on an attachment in a standard design with SWA 66 Solidlink quick coupler mounting

²⁾ for SWA 66 quick coupler mounting only

³⁾ HD version

⁴⁾ capacity specifications are theoretically determined values; fill level varies depending on the material being loaded

⁵⁾ with XHD suspension

⁶⁾ incl. teeth

⁷⁾ with standard bolt-on cutting edge, without quick coupler mounting