

Technical data



Engine

Rating	
per SAE J1349	201 HP (150 kW) at 1,800 rpm
per ISO 9249	204 HP (150 kW) at 1,800 rpm
Torque	1,245 Nm at 1,100 rpm / 918 lbf ft at 1,100 rpm
Model	Liebherr D934 A7-25
Type	4 cylinder in-line
Bore	122 mm / 4.8 in
Stroke	150 mm / 5.9 in
Displacement	7.0 l / 427 in³
Engine operation	4-stroke diesel Common-Rail Turbo-charged and after-cooler
Exhaust gas treatment	Tier 4 Final DOC + SCR Passive regeneration by thermo management
Cooling system	Water-cooled and oil cooler, after-cooled and fuel cooled
Air cleaner	Dry-type air cleaner with pre-cleaner
Fuel tank	620 l / 164 gal
Urea tank	90 l / 24 gal
Electrical system	
Voltage	24 V
Batteries	2 x 135 Ah / 12 V
Alternator	Three-phase current 24 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 265 l/min. / 2 x 70 gpm
Max. pressure	380 bar / 5,511 psi
For swing drive	Swashplate pump, closed-loop circuit
Max. flow	200 l/min. / 53 gpm
Max. pressure	365 bar / 5,294 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	0–10.1 rpm stepless
Swing torque	90 kNm / 66,381 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	70 dB(A) = L _{pA} (inside cab)
2000/14/EC	104 dB(A) = L _{WA} (surround noise)



Undercarriage

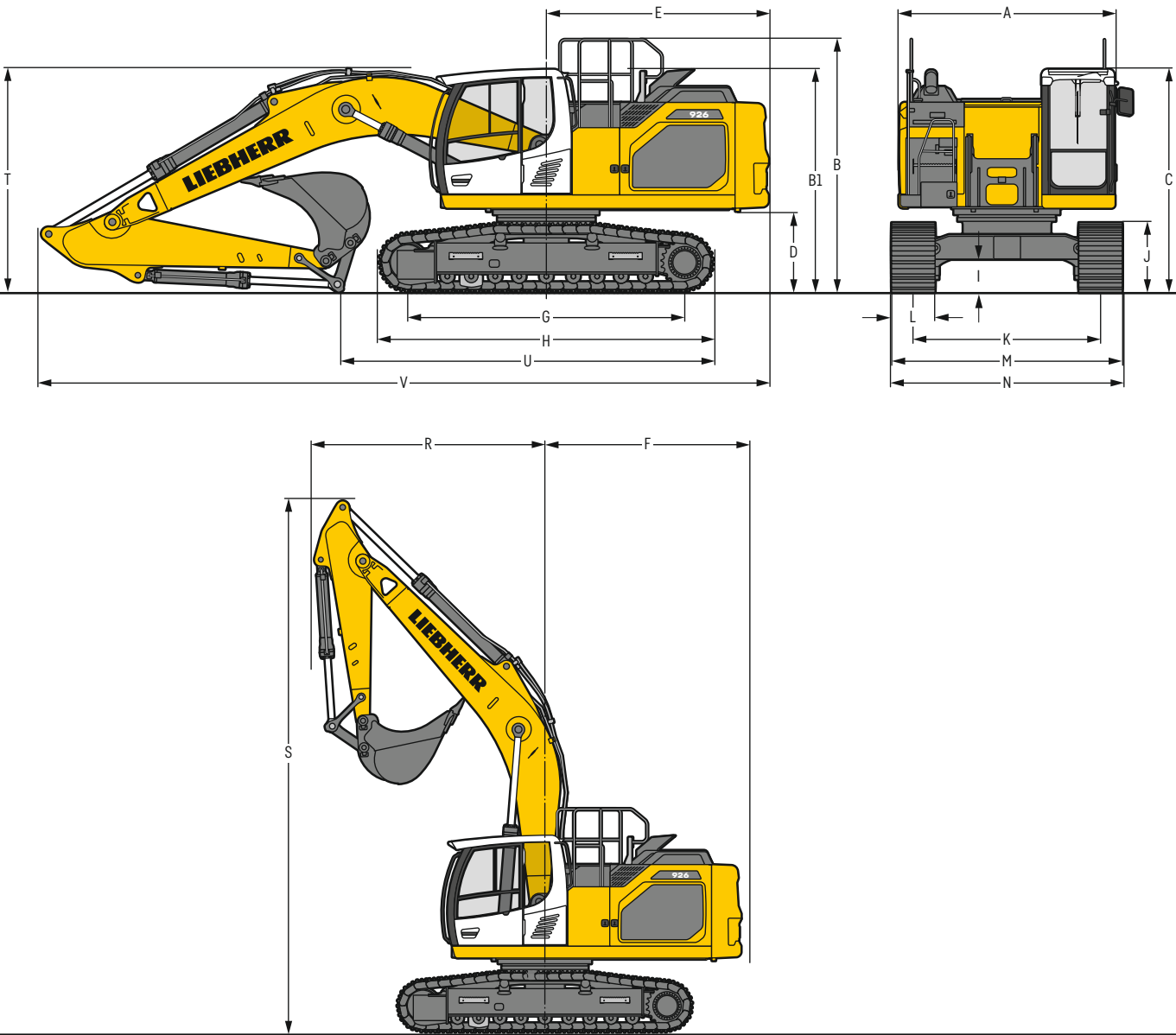
LC	Gauge 2,590 mm / 8'6"
Drive	Liebherr swashplate motor with brake valves on both sides
Transmission	Liebherr planetary reduction gear
Maximum travel speed	3.9 km/h / 2.4 mph low range 6.1 km/h / 3.8 mph high range
Drawbar pull on crawler	236 kN / 53,060 lbf
Track components	B60, D6C, maintenance-free
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
A	Uppercarriage width					2,990 ²⁾ / 9'10" ²⁾
B	Uppercarriage height					3,510 / 11' 6"
B1	Uppercarriage height (handrails folded)					3,075 / 10' 1"
C	Cab height					3,090 / 10' 2"
D	Counterweight ground clearance					1,115 / 3' 8"
E	Rear-end length					3,075 / 10' 1"
F	Tail swing radius					3,200 / 10' 6"
G	Wheelbase					3,830 / 12' 7"
H	Undercarriage length					4,625 / 15' 2"
I	Undercarriage ground clearance					495 / 1' 7"
J	Track height					965 / 3' 2"
K	Track gauge					2,590 / 8' 6"
L	Track pad width	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"	
N	Width over steps	3,125 / 10' 3"	3,325 ¹⁾ / 10' 11" ¹⁾	3,325 ¹⁾ / 10' 11" ¹⁾	3,425 ¹⁾ / 11' 3" ¹⁾	

¹⁾ width with removable steps

²⁾ without door stop device and spacer

		Stick length	Mono boom 6.00 m / 19'8"	
		m / ft in	direct mounting	mm / ft in
R	Front swing radius		3,650 / 12'	
S	Height with boom up		8,350 / 27' 5"	
T	Boom height	2.50 / 8' 2"	3,200 / 10' 6"	
		3.00 / 9'10"	3,150 / 10' 4"	
		3.50 / 11' 6"	3,150 / 10' 4"	
U	Length on ground	2.50 / 8' 2"	6,050 / 19'10"	
		3.00 / 9'10"	5,200 / 17' 1"	
		3.50 / 11' 6"	4,700 / 15' 5"	
V	Overall length		10,100 / 33' 2"	
	Bucket		1.55 m ³ / 2.03 yd ³	

Transport dimensions

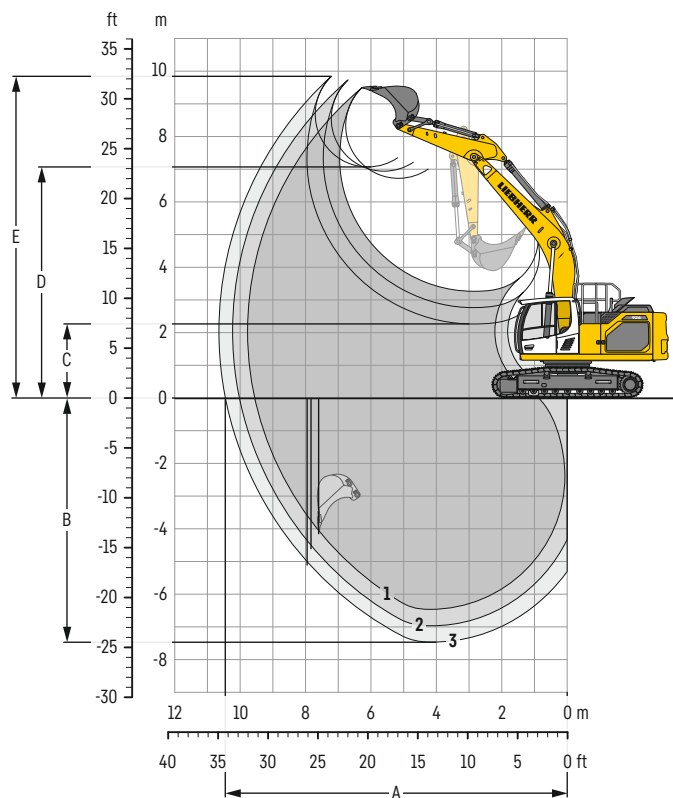
removable elements disassembled

	Mono boom 6.00 m / 19'8"			
	mm / ft in			
Pad width	600 / 24"	700 / 28"	800 / 31"	900 / 35"
Transport width	3,190 / 10' 6"	3,290 / 10' 10"	3,390 / 11' 1"	3,490 / 11' 5"

	Stick	
	m / ft in	mm / ft in
Transport length		10,100 / 33'2"
	2.50 / 8' 2"	3,200 / 10'6"
Transport height	3.00 / 9'10"	3,150 / 10'4"
	3.50 / 11' 6"	3,150 / 10'4"
Bucket		1.55 m ³ / 2.03 yd ³

Backhoe bucket

with mono boom 6.00 m / 19'8"



Digging envelope

without quick coupler		1	2	3
Stick length	m / ft in	2.50 / 8'2"	3.00 / 9'10"	3.50 / 11'6"
A Max. reach at ground level	m / ft in	9.55 / 31'4"	10.02 / 32'10"	10.45 / 34'3"
B Max. digging depth	m / ft in	6.47 / 21'3"	6.97 / 22'10"	7.47 / 24'6"
C Min. dumping height	m / ft in	3.26 / 10'8"	2.76 / 9' 1"	2.26 / 7'5"
D Max. dumping height	m / ft in	6.72 / 22'1"	6.94 / 22' 9"	7.07 / 23'2"
E Max. cutting height	m / ft in	9.49 / 31'2"	9.72 / 31'11"	9.84 / 32'3"

Forces

without quick coupler		1	2	3
Stick digging force (ISO 6015)	kN / lbf	152 / 34,170	134 / 30,120	120 / 26,980
Bucket digging force (ISO 6015)	kN / lbf	187 / 42,040	187 / 42,040	187 / 42,040
Stick digging force (SAE J1179)	kN / lbf	145 / 32,600	129 / 29,000	116 / 26,080
Bucket digging force (SAE J1179)	kN / lbf	166 / 37,320	166 / 37,320	166 / 37,320

Operating weight and ground pressure

The operating weight includes the basic machine with counterweight 4.6 t / 10,140 lb, mono boom 6.00 m / 19'8", stick 3.00 m / 9'10" and bucket 1.55 m³ / 2.03 yd³ (950 kg / 2,090 lb).

Undercarriage		LC			
Pad width	mm / in	600 / 24"	700 / 28"	800 / 31"	900 / 35"
Weight	kg / lb	26,450 / 58,310	26,700 / 58,960	27,000 / 59,530	27,300 / 60,190
Ground pressure	kg/cm ² / psi	0.54 / 7.7	0.46 / 6.5	0.41 / 5.8	0.37 / 5.3

The operating weight includes the basic machine with counterweight 5.1 t / 11,240 lb, mono boom 6.00 m / 19'8", stick 3.00 m / 9'10" and bucket 1.55 m³ / 2.03 yd³ (950 kg / 2,090 lb).

Undercarriage		LC			
Pad width	mm / in	600 / 24"	700 / 28"	800 / 31"	900 / 35"
Weight	kg / lb	26,950 / 59,420	27,200 / 59,970	27,500 / 60,630	27,800 / 61,290
Ground pressure	kg/cm ² / psi	0.55 / 7.8	0.47 / 6.7	0.42 / 6.0	0.38 / 5.4

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

					LC undercarriage (with track pads 800 mm / 31")					
	Cutting width	Capacity ISO 7451	Weight ³⁾	Weight ⁴⁾	Stick length (m / ft in)					
					without quick coupler			with quick coupler		
	mm ft in	m ³ yd ³	kg lb	kg lb	2.50 8'2"	3.00 9'10"	3.50 11'6"	2.50 8'2"	3.00 9'10"	3.50 11'6"
with counterweight 4.6t / 10,140 lb										
STD ¹⁾	1,250	1.15	810	830	▲	▲	▲	▲	▲	▲
	4'1"	1.50	1,790	1,830						
	1,250	1.25	890	910	▲	▲	▲	▲	▲	▲
	4'1"	1.63	1,960	2,010						
	1,400	1.35	850	880	▲	▲	▲	▲	▲	▲
	4'7"	1.77	1,870	1,940						
	1,500	1.45	910	910	▲	▲	▲	▲	▲	▲
	4'11"	1.90	2,010	2,010						
	1,600	1.55	950	970	▲	▲	■	▲	▲	■
	5'3"	2.03	2,090	2,140						
HD ²⁾	1,500	1.65	1,020	1,020	▲	■	▲	▲	■	▲
	4'11"	2.16	2,250	2,250						
	1,600	1.75	1,060	1,080	▲	■	▲	▲	▲	■
	5'3"	2.29	2,340	2,380						
	1,250	1.15	910	940	▲	▲	▲	▲	▲	▲
	4'1"	1.50	2,010	2,070						
	1,250	1.25	1,010	1,030	▲	▲	▲	▲	▲	▲
	4'1"	1.63	2,230	2,270						
	1,400	1.35	970	990	▲	▲	▲	▲	▲	▲
	4'7"	1.77	2,140	2,180						
STD ¹⁾	1,500	1.45	1,030	1,030	▲	▲	▲	▲	▲	■
	4'11"	1.90	2,270	2,270						
	1,600	1.55	1,070	1,090	▲	▲	■	▲	▲	▲
	5'3"	2.03	2,360	2,400						
	1,500	1.65	1,160	1,160	▲	■	▲	▲	■	■
	4'11"	2.16	2,560	2,560						
	1,600	1.75	1,220	1,230	▲	▲	■	▲	▲	■
	5'3"	2.29	2,690	2,710						
	1,250	1.15	810	830	▲	▲	▲	▲	▲	▲
	4'1"	1.50	1,790	1,830						
STD ¹⁾	1,250	1.25	890	910	▲	▲	▲	▲	▲	▲
	4'1"	1.63	1,960	2,010						
	1,400	1.35	850	880	▲	▲	▲	▲	▲	▲
	4'7"	1.77	1,870	1,940						
	1,500	1.45	910	910	▲	▲	▲	▲	▲	▲
	4'11"	1.90	2,010	2,010						
	1,600	1.55	950	970	▲	▲	▲	▲	▲	■
	5'3"	2.03	2,090	2,140						
	1,500	1.65	1,020	1,020	▲	▲	■	▲	▲	■
	4'11"	2.16	2,250	2,250						
HD ²⁾	1,600	1.75	1,060	1,080	▲	■	▲	▲	■	▲
	5'3"	2.29	2,340	2,380						
	1,250	1.15	910	940	▲	▲	▲	▲	▲	▲
	4'1"	1.50	2,010	2,070						
	1,250	1.25	1,010	1,030	▲	▲	▲	▲	▲	▲
	4'1"	1.63	2,230	2,270						
	1,400	1.35	970	990	▲	▲	▲	▲	▲	▲
	4'7"	1.77	2,140	2,180						
	1,500	1.45	1,030	1,030	▲	▲	▲	▲	▲	▲
	4'11"	1.90	2,270	2,270						
STD ¹⁾	1,600	1.55	1,070	1,090	▲	▲	▲	▲	▲	■
	5'3"	2.03	2,360	2,400						
	1,500	1.65	1,160	1,160	▲	▲	■	▲	■	▲
	4'11"	2.16	2,560	2,560						
	1,600	1.75	1,220	1,230	▲	■	▲	▲	■	■
	5'3"	2.29	2,690	2,710						

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

¹⁾ Standard bucket with teeth Z 40

²⁾ HD bucket with teeth Z 40

³⁾ Bucket for direct mounting

⁴⁾ Bucket for mounting to quick coupler SWA 48 (250 kg / 550 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

Lift capacities

with mono boom 6.00 m / 19'8", counterweight 4.6 t / 10,140 lb and track pads 800 mm / 31"

Stick 2.50 m / 8'2"

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					7.2	7.9*					7.1	7.7*	6.0
	25 ft lb											16.2	17.2*	19'5"
	6.0m t					7.1	8.6*					5.4	7.5*	7.1
	20 ft lb					15.3	18.9*					12.0	16.5*	23'2"
	4.5m t	17.5*	17.5*	10.6	11.7*	6.8	9.4*	4.9	7.0			4.6	6.6	7.8
	15 ft lb	37.1*	37.1*	22.9	25.1*	14.8	20.5*	10.5	15.1			10.2	14.7	25'6"
	3.0m t			9.8	14.0*	6.5	9.7	4.7	6.9			4.2	6.1	8.1
	10 ft lb			21.1	30.1*	14.0	20.8	10.2	14.8			9.3	13.5	26'7"
	1.5m t			9.2	14.8	6.2	9.3	4.6	6.7			4.1	5.9	8.1
	5 ft lb			19.9	31.7	13.4	20.1	9.9	14.4			9.0	13.1	26'8"
	0m t			9.0	14.5	6.0	9.1	4.5	6.6			4.2	6.1	7.9
	0 ft lb			19.4	31.1	13.0	19.6	9.7	14.2			9.2	13.5	25'11"
LC	-1.5m t	12.9*	12.9*	9.0	14.4*	6.0	9.1					4.6	6.8	7.3
	-5 ft lb	29.4*	29.4*	19.4	31.1	12.9	19.5					10.2	15.0	24'1"
	-3.0m t	15.7*	15.7*	9.2	12.3*	6.1	9.2					5.6	8.4	6.4
	-10 ft lb	34.1*	34.1*	19.8	26.7*	13.2	19.8					12.5	18.7	20'11"
	-4.5m t	10.5*	10.5*	8.2*	8.2*							7.6*	7.6*	4.8
	-15 ft lb	22.2*	22.2*	17.2*	17.2*							16.5*	16.5*	15'6"

Stick 3.00 m / 9'10"

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					7.3	7.7*					6.1	6.3*	6.6
	25 ft lb					15.7	16.5*					13.9	14.0*	21'6"
	6.0m t					7.2	8.0*	5.0	6.7*			4.8	6.1*	7.6
	20 ft lb					15.5	17.5*					10.8	13.5*	24'11"
	4.5m t			10.7*	10.7*	6.9	8.9*	4.9	7.1			4.2	6.0	8.3
	15 ft lb			23.1*	23.1*	14.9	19.2*	10.5	15.2			9.3	13.4	27*
	3.0m t			10.0	13.1*	6.5	9.7	4.7	6.9			3.9	5.6	8.6
	10 ft lb			21.5	28.3*	14.1	20.9	10.2	14.8			8.5	12.3	28'1"
	1.5m t			9.3	14.9	6.2	9.3	4.5	6.7			3.7	5.5	8.6
	5 ft lb			20.0	31.9	13.4	20.1	9.8	14.4			8.2	12.0	28'2"
	0m t			6.5*	6.5*	9.0	14.5	6.0	9.1	4.4	6.5	3.8	5.6	8.4
	0 ft lb			15.0*	15.0*	19.3	31.1	12.9	19.6	9.5	14.1	8.4	12.3	27'6"
LC	-1.5m t	12.0*	12.0*	8.9	14.4	5.9	9.0	4.4	6.5			4.1	6.1	7.9
	-5 ft lb	27.2*	27.2*	19.2	30.9	12.7	19.3	9.5	14.0			9.1	13.5	25'8"
	-3.0m t	17.5*	17.5*	9.0	13.1*	6.0	9.0					4.9	7.3	7.0
	-10 ft lb	38.0*	38.0*	19.4	28.4*	12.9	19.5					10.9	16.2	22'10"
	-4.5m t	12.9*	12.9*	9.3	9.9*							6.9	7.8*	5.6
	-15 ft lb	27.5*	27.5*	20.0	21.0*							15.5	17.0*	18'

Stick 3.50 m / 11'6"

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											5.2*	5.2*	7.2
	25 ft lb											11.6*	11.6*	23'4"
	6.0m t							5.1	6.6*			4.4	5.1*	8.1
	20 ft lb							10.9	13.9*			9.8	11.3*	26'6"
	4.5m t					7.0	8.2*	4.9	7.1			3.9	5.2*	8.7
	15 ft lb					15.1	17.9*	10.6	15.3			8.5	11.4*	28'6"
	3.0m t	12.9*	12.9*	10.1	12.2*	6.6	9.4*	4.7	6.9			3.6	5.2	9.0
	10 ft lb	33.7*	33.7*	21.9	26.3*	14.2	20.4*	10.2	14.8			7.9	11.4	29'6"
	1.5m t	5.5*	5.5*	9.4	14.3*	6.2	9.4	4.5	6.7	3.5	5.1	3.4	5.0	9.0
	5 ft lb	12.9*	12.9*	20.2	30.9*	13.4	20.1	9.8	14.3			7.6	11.1	29'7"
	0m t	7.6*	7.6*	8.9	14.5	5.9	9.1	4.4	6.5			3.5	5.2	8.8
	0 ft lb	17.3*	17.3*	19.2	31.0	12.8	19.5	9.4	14.0			7.7	11.4	28'11"
LC	-1.5m t	11.5*	11.5*	8.8	14.3	5.8	8.9	4.3	6.4			3.8	5.6	8.3
	-5 ft lb	26.0*	26.0*	18.9	30.6	12.5	19.2	9.3	13.8			8.3	12.3	27'2"
	-3.0m t	17.0*	17.0*	8.8	13.8*	5.8	8.9					4.3	6.5	7.5
	-10 ft lb	37.7	38.5*	19.0	29.8*	12.6	19.2					9.6	14.4	24'6"
	-4.5m t	14.9*	14.9*	9.1	11.1*	6.0	8.2*					5.7	7.8*	6.2
	-15 ft lb	32.0*	32.0*	19.5	23.8*	13.0	17.2*					12.9	17.1*	20'1"

 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 345 kg / 760 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 6.00 m / 19'8", counterweight 5.1 t / 11,240 lb and track pads 800 mm / 31"

Stick 2.50 m / 8'2"

Under-carriage		3.0m 10ft		4.5m 15ft		6.0m 20ft		7.5m 25ft		9.0m 30ft					
														m ft in	
LC	7.5m t							7.5	7.9*				7.4	7.7*	6.0
	25ft lb												16.9	17.2*	19'5"
	6.0m t							7.5	8.6*				5.7	7.5*	7.1
	20ft lb							16.1	18.9*				12.6	16.5*	23'2"
	4.5m t	17.5*	17.5*	11.1	11.7*	7.2	9.4*	5.1	7.3				4.8	6.9	7.8
	15ft lb	37.1*	37.1*	24.0	25.1*	15.5	20.5*	11.0	15.8				10.7	15.3	25'6"
	3.0m t			10.3	14.0*	6.8	10.1	5.0	7.2				4.4	6.4	8.1
	10ft lb			22.2	30.1*	14.8	21.7	10.7	15.5				9.8	14.1	26'7"
	1.5m t				9.7	15.4*	6.5	9.8	4.8	7.0			4.3	6.2	8.1
	5ft lb				21.0	33.2	14.1	21.0	10.4	15.1			9.5	13.7	26'8"
	0m t				9.5	15.2	6.4	9.6	4.7	6.9			4.4	6.4	7.9
	0ft lb				20.5	32.6	13.8	20.6	10.2	14.9			9.8	14.2	25'11"
-1.5m t	12.9*	12.9*	9.5	14.4*	6.3	9.5						4.9	7.1	7.3	
-5ft lb	29.4*	29.4*	20.5	31.3*	13.7	20.5						10.8	15.7	24'1"	
-3.0m t	15.7*	15.7*	9.7	12.3*	6.4	9.3*						5.9	8.5*	6.4	
-10ft lb	34.1*	34.1*	20.8	26.7*	13.9	20.0*						13.2	18.8*	20'11"	
-4.5m t	10.5*	10.5*	8.2*	8.2*								7.6*	7.6*	4.8	
-15ft lb	22.2*	22.2*	17.2*	17.2*								16.5*	16.5*	15'6"	

Stick 3.00 m / 9'10"

Under-carriage		3.0m 10ft		4.5m 15ft		6.0m 20ft		7.5m 25ft		9.0m 30ft						
														m ft in		
LC	7.5m t												6.3*	6.3*	6.6	
	25ft lb												14.0*	14.0*	21'6"	
	6.0m t								5.3	6.7*			5.1	6.1*	7.6	
	20ft lb												11.3	13.5*	24'11"	
	4.5m t			10.7*	10.7*		7.3	8.9*	5.2	7.4			4.4	6.2*	8.3	
	15ft lb			23.1*	23.1*		15.6	19.2*	11.1	15.9			9.8	13.6*	27'	
	3.0m t			10.5	13.1*		6.9	10.0*	5.0	7.2			4.1	5.9	8.6	
	10ft lb			22.6	28.3*		14.9	21.6*	10.7	15.5			9.0	12.9	28'1"	
	1.5m t				9.8		6.5	9.8	4.8	7.0			4.0	5.7	8.6	
	5ft lb				21.1		32.3*	14.1	21.0	10.4	15.1			8.7	12.6	28'2"
	0m t		6.5*	6.5*	9.5	15.2	6.3	9.5	4.7	6.9			4.0	5.9	8.4	
	0ft lb		15.0*	15.0*	20.4	32.5	13.7	20.5	10.1	14.8			8.9	12.9	27'6"	
LC	-1.5m t		12.0*	12.0*	9.4	14.8*	6.2	9.4	4.6	6.8			4.4	6.4	7.9	
	-5ft lb		27.2*	27.2*	20.2	32.1*	13.5	20.3	10.0	14.7			9.7	14.1	25'8"	
	-3.0m t		17.5*	17.5*	9.5	13.1*	6.3	9.5					5.2	7.6	7.0	
	-10ft lb		38.0*	38.0*	20.5	28.4*	13.6	20.4					11.5	17.0	22'10"	
	-4.5m t		12.9*	12.9*	9.8	9.9*							7.2	7.8*	5.6	
	-15ft lb		27.5*	27.5*	21.0*	21.0*							16.3	17.0*	18'	

Stick 3.50 m / 11'6"

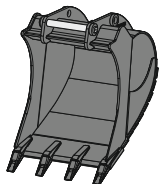
Under-carriage				3.0m 10ft		4.5m 15ft		6.0m 20ft		7.5m 25ft		9.0m 30ft				
													m ft in			
LC	7.5m t													5.2*	5.2*	7.2
	25ft lb													11.6*	11.6*	23'4"
	6.0m t									5.3	6.6*			4.6	5.1*	8.1
	20ft lb									11.4	13.9*			10.3	11.3*	26'6"
	4.5m t						7.3	8.2*		5.2	7.4			4.1	5.2*	8.7
	15ft lb						15.8	17.9*		11.1	15.9			9.0	11.4*	28'6"
	3.0m t	12.9*	12.9*	10.6	12.2*		6.9	9.4*		5.0	7.2			3.8	5.4*	9.0
	10ft lb	33.7*	33.7*	23.0	26.3*		15.0	20.4*		10.7	15.5			8.3	11.9*	29'6"
	1.5m t	5.5*	5.5*	9.9	14.3*		6.6	9.8		4.8	7.0	3.7	5.3	3.7	5.3	9.0
	5ft lb	12.9*	12.9*	21.3	30.9*		14.1	21.1		10.3	15.0			8.1	11.7	29'7"
	0m t	7.6*	7.6*	9.4	15.1		6.3	9.5		4.6	6.8			3.7	5.4	8.8
	0ft lb	17.3*	17.3*	20.3	32.5		13.6	20.4		10.0	14.7			8.2	11.9	28'11"
-1.5m t	11.5*	11.5*	9.3	15.0		6.2	9.3		4.6	6.7			4.0	5.8	8.3	
-5ft lb	26.0*	26.0*	20.0	32.1		13.3	20.1		9.8	14.5			8.8	12.9	27'2"	
-3.0m t	17.0*	17.0*	9.3	13.8*		6.2	9.3						4.6	6.8	7.5	
-10ft lb	38.5*	38.5*	20.1	29.8*		13.3	20.1						10.2	15.1	24'6"	
-4.5m t	14.9*	14.9*	9.6	11.1*		6.3	8.2*						6.1	7.8*	6.2	
-15ft lb	32.0*	32.0*	20.6	23.8*		13.7	17.2*						13.6	17.1*	20'1"	

 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 345 kg / 760 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

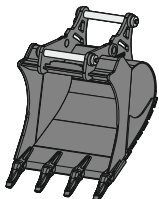
Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.

Attachments



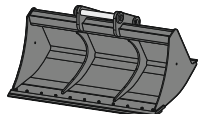
Backhoe bucket TL 04-02

Mounting	direct mounting, SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink, Oilquick OQ 70, Oilquick OQ 70/55, S 70 mechanical, S 70/55 mechanical									
Cutting width	mm / ft in	650 / 2'2"	850 / 2'9"	1,050 / 3'5"	1,250 / 4'1"	1,400 / 4'7"	1,500 / 4'11"	1,600 / 5'3"	1,700 / 5'7"	1,800 / 5'11"
Capacity	m³ / yd³	0.55 / 0.72	0.75 / 0.98	0.95 / 1.24	1.15 / 1.50	1.35 / 1.77	1.45 / 1.90	1.55 / 2.03	1.85 / 2.42	2.00 / 2.62
Weight ¹⁾	kg / lb	545 / 1,202	630 / 1,389	720 / 1,587	815 / 1,797	875 / 1,929	890 / 1,962	945 / 2,083	1,090 / 2,403	1,133 / 2,498



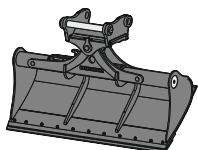
2in1 bucket HTL 04-02

Mounting	SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink									
Cutting width	mm / ft in	650 / 2'2"	850 / 2'9"	1,050 / 3'5"	1,250 / 4'1"	1,400 / 4'7"	1,500 / 4'11"	1,600 / 5'3"	1,700 / 5'7"	1,800 / 5'11"
Capacity	m³ / yd³	0.55 / 0.72	0.75 / 0.98	0.95 / 1.24	1.15 / 1.50	1.35 / 1.77	1.45 / 1.90	1.55 / 2.03	1.85 / 2.42	2.00 / 2.62
Weight ¹⁾	kg / lb	612 / 1,349	697 / 1,537	787 / 1,735	882 / 1,944	942 / 2,077	978 / 2,156	1,016 / 2,240	1,179 / 2,599	1,223 / 2,696



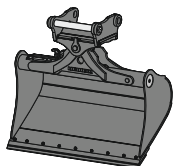
Ditch cleaning bucket GRL rigid 04

Mounting	direct mounting, SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink									
Cutting width	mm / ft in	1,500 / 4'11"		2,000 / 6'7"		2,000 / 6'7"		2,400 / 7'10"		
Capacity	m³ / yd³	0.50 / 0.65		0.70 / 0.92		1.20 / 1.57		0.85 / 1.11		
Weight ¹⁾	kg / lb	425 / 937		522 / 1,151		637 / 1,404		605 / 1,334		



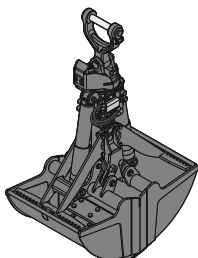
Ditch cleaning bucket GRL 90

Mounting	direct mounting, SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink											
Cutting width	mm / ft in	1,600 / 5'3"	1,600 / 5'3"	2,000 / 6'7"	2,000 / 6'7"	2,000 / 6'7"	2,200 / 7'3"	2,200 / 7'3"	2,200 / 7'3"	2,400 / 7'10"	2,400 / 7'10"	2,800 / 9'2"
Capacity	m³ / yd³	0.55 / 0.72	0.80 / 1.05	0.50 / 0.65	0.70 / 0.92	1.00 / 1.31	0.80 / 1.05	1.15 / 1.50	1.40 / 1.83	0.85 / 1.11	1.25 / 1.63	1.85 / 2.42
Weight ¹⁾	kg / lb	690 / 1,521	850 / 1,874	695 / 1,532	875 / 1,929	935 / 2,061	910 / 2,006	985 / 2,172	995 / 2,194	890 / 1,962	1,000 / 2,205	1,090 / 2,403
Tilt angle		2 x 50°	2 x 50°	2 x 50°	2 x 50°	2 x 50°	2 x 50°	2 x 50°	2 x 50°	2 x 50°	2 x 50°	2 x 50°



Tilt bucket SL 90

Mounting	direct mounting, SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink							
Cutting width	mm / ft in	1,400 / 4'7"	1,500 / 4'11"	1,500 / 4'11"	1,600 / 5'3"	1,600 / 5'3"	1,600 / 5'3"	1,600 / 5'3"
Capacity	m³ / yd³	0.55 / 0.72	0.60 / 0.78	1.20 / 1.57	0.80 / 1.05	1.00 / 1.31	1.35 / 1.77	1.55 / 2.03
Weight ¹⁾	kg / lb	715 / 1,576	738 / 1,627	970 / 2,138	820 / 1,808	890 / 1,962	970 / 2,138	1,030 / 2,271
Tilt angle		2 x 50°	2 x 50°	2 x 50°	2 x 50°	2 x 50°	2 x 50°	2 x 50°



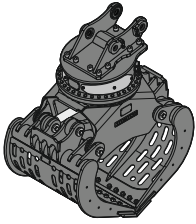
Clamshell grab

Mounting	direct mounting, SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink, SWA 66 mechanical, SWA 66 hydraulic, SWA 66 Solidlink, Oilquick OQ 70, Oilquick OQ 70/55, Oilquick OQ 80									
GMZ 30 Clamshell buckets										
Shell width	mm / ft in	600 / 2'	800 / 2'7"		1,000 / 3'3"		1,200 / 3'11"			
Capacity ²⁾	m ³ / yd ³	0.38 / 0.50	0.52 / 0.68		0.65 / 0.85		0.80 / 1.05			
Opening width	mm / ft in	1,644 / 5'5"	1,644 / 5'5"		1,644 / 5'5"		1,644 / 5'5"			
Weight ³⁾	kg / lb	1,050 / 2,315	1,130 / 2,491		1,210 / 2,668		1,290 / 2,844			
GMZ 40 Clamshell buckets										
Shell width	mm / ft in	800 / 2'7"	1,000 / 3'3"		1,200 / 3'11"		1,400 / 4'7"		1,600 / 5'3"	
Capacity ²⁾	m ³ / yd ³	0.65 / 0.85	0.85 / 1.11		1.05 / 1.37		1.20 / 1.57		1.40 / 1.83	
Opening width	mm / ft in	1,962 / 6'5"	1,962 / 6'5"		1,962 / 6'5"		1,962 / 6'5"		1,962 / 6'5"	
Weight ³⁾	kg / lb	1,345 / 2,965	1,430 / 3,153		1,520 / 3,351		1,605 / 3,538		1,695 / 3,737	

¹⁾ based on an attachment in a standard design with SWA 48 Solidlink quick coupler mounting

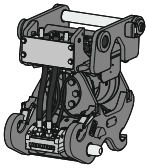
²⁾ capacity specifications are theoretically determined values; fill level varies depending on the material being loaded

³⁾ with XHD suspension



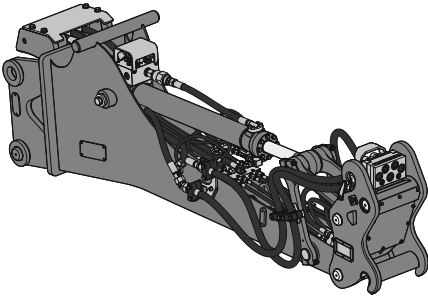
Sorting grab SG 30B

Mounting	direct mounting, SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink, SWA 66 mechanical, SWA 66 hydraulic, SWA 66 Solidlink, Oilquick OQ 70, Oilquick OQ 70/55, Oilquick OQ 80								
Shell type	perforated ²⁾			ribbed ²⁾			closed ²⁾		Stone shell ³⁾
Shell width	mm / ft in	1,000 / 3'3"	1,200 / 3'11"	1,400 / 4'7"	1,000 / 3'3"	1,200 / 3'11"	1,400 / 4'7"	1,000 / 3'3"	1,020 / 3'4"
Capacity	m ³ / yd ³	0.85 / 1.11	1.00 / 1.31	1.15 / 1.50	0.75 / 0.98	0.90 / 1.18	1.05 / 1.37	0.85 / 1.11	0.85 / 1.11
Max. closing force	kN / lbf	80 / 17,985	80 / 17,985	80 / 17,985	80 / 17,985	80 / 17,985	80 / 17,985	80 / 17,985	80 / 17,985
Weight ¹⁾	kg / lb	1,485 / 3,274	1,560 / 3,439	1,635 / 3,605	1,565 / 3,450	1,675 / 3,693	1,780 / 3,924	1,515 / 3,340	1,815 / 4,001



Tilt unit LiTiU 48⁵⁾ 6)

Mounting machine side	SWA 48 Solidlink	
Mounting attachment side	SWA 48 hydraulic, SWA 48 Solidlink	
Weight ⁴⁾	kg / lb	740 / 1,631
Tilt	2 x 45°	



Stick extension

Mounting machine side	SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink, SWA 48 Solidlink-10	
LS 12		
Mounting attachment side	direct mounting, SWA 33 mechanical, SWA 33 mechanical Solidlink ⁸⁾ , SWA 33 hydraulic ¹⁰⁾ , SWA 33 Solidlink ⁹⁾ 10) 11)	
Length	m / ft in	2.25 / 7'5"
Weight ⁷⁾	kg / lb	650 / 1,433
LS 18		
Mounting attachment side	direct mounting, SWA 33 mechanical, SWA 33 mechanical Solidlink ⁸⁾ , SWA 33 hydraulic ¹⁰⁾ , SWA 33 Solidlink ⁹⁾ 10) 11), SWA 48 mechanical, SWA 48 mechanical Solidlink ⁸⁾ , SWA 48 hydraulic ¹⁰⁾ , SWA 48 Solidlink ⁹⁾ 10) 11)	
Length	m / ft in	2.65 / 8'8"
Weight ⁷⁾	kg / lb	1,130 / 2,491

¹⁾ without quick coupler mounting

²⁾ with standard bolt-on cutting edge

³⁾ with Liebherr teeth Z 40 C

⁴⁾ based on standard tilt unit LiTiU 48 with SWA 48 Solidlink quick coupler mountings on both sides (underside of tilt unit and machine side quick coupler mounting)

⁵⁾ on the machine side, a 14-pin signal contact strip is always required; switching takes place between tilting the LiTiU and the grab rotation circle for the attachment

⁶⁾ on the machine side, the control unit for the second quick coupler is always required

⁷⁾ based on standard stick extension LS 12/18 with SWA 33/48 Solidlink quick coupler mountings on both sides (underside of stick extension and machine side mounting) and electric switchover

⁸⁾ attachment with high pressure circuit only possible with the manual switchover tipping cylinder or an extended hydraulic circuit on the carrier machine

⁹⁾ attachment with high pressure circuit only possible with the electric / manual switchover tipping cylinder or an extended hydraulic circuit on the carrier machine

¹⁰⁾ 14-pin signal contact strip is required, for example to control and monitor the hydraulic quick coupling system on the stick extension on the attachment side or to transfer electrical signals for the switchover

¹¹⁾ to use different hydraulic circuits, either Solidlink 33-9 / Solidlink 48-10 is required on the machine side, or a switchover system using the equipment power socket, controlled via the carrier machine's signal contact strip