

Technical data



Engine

Rating	
per SAE J1349	173 HP (129 kW) at 1,800 rpm
per ISO 9249	175 HP (129 kW) at 1,800 rpm
Torque	682 Nm at 1,400 rpm / 503 lbf ft at 1,400 rpm
Model	D924 A7-04 – FPT motor designed for Liebherr
Type	4 cylinder in-line
Bore	104 mm / 4.1 in
Stroke	132 mm / 5.2 in
Displacement	4.5 l / 275 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	400 l / 106 gal
Urea tank	46 l / 12 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
Hydraulic pump	
For equipment and travel drive	Liebherr, variable displacement, swashplate double pump
Max. flow	2 x 210 l/min. / 2 x 55 gpm
Max. pressure	380 bar / 5,511 psi
Pump management	Electronic management synchronous to the control block. Open circuit for the rotation
Hydraulic tank	155 l / 41 gal
Hydraulic system	max. 320 l / max. 85 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, sandwiched with hydraulic oil cooler and fuel and after-cooler cores and hydro-statically driven fan
MODE selection	Adjustment of engine and hydraulic performance via a mode pre-selector to match application, e.g. for especially economical and environmentally friendly operation or for maximum digging performance and heavy-duty jobs
Engine speed and performance setting	Stepless adjustment of engine output and hydraulic power via engine speed



Swing drive

Drive	Liebherr swashplate motor with integrated brake valve and torque control
Transmission	Liebherr compact planetary reduction gears
Swing ring	Liebherr, sealed race ball bearing swing ring, internal teeth
Swing speed	0–12.9 rpm stepless
Swing torque	74.3 kNm / 54,801 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	102 dB(A) = L _{WA} (surround noise)



Undercarriage

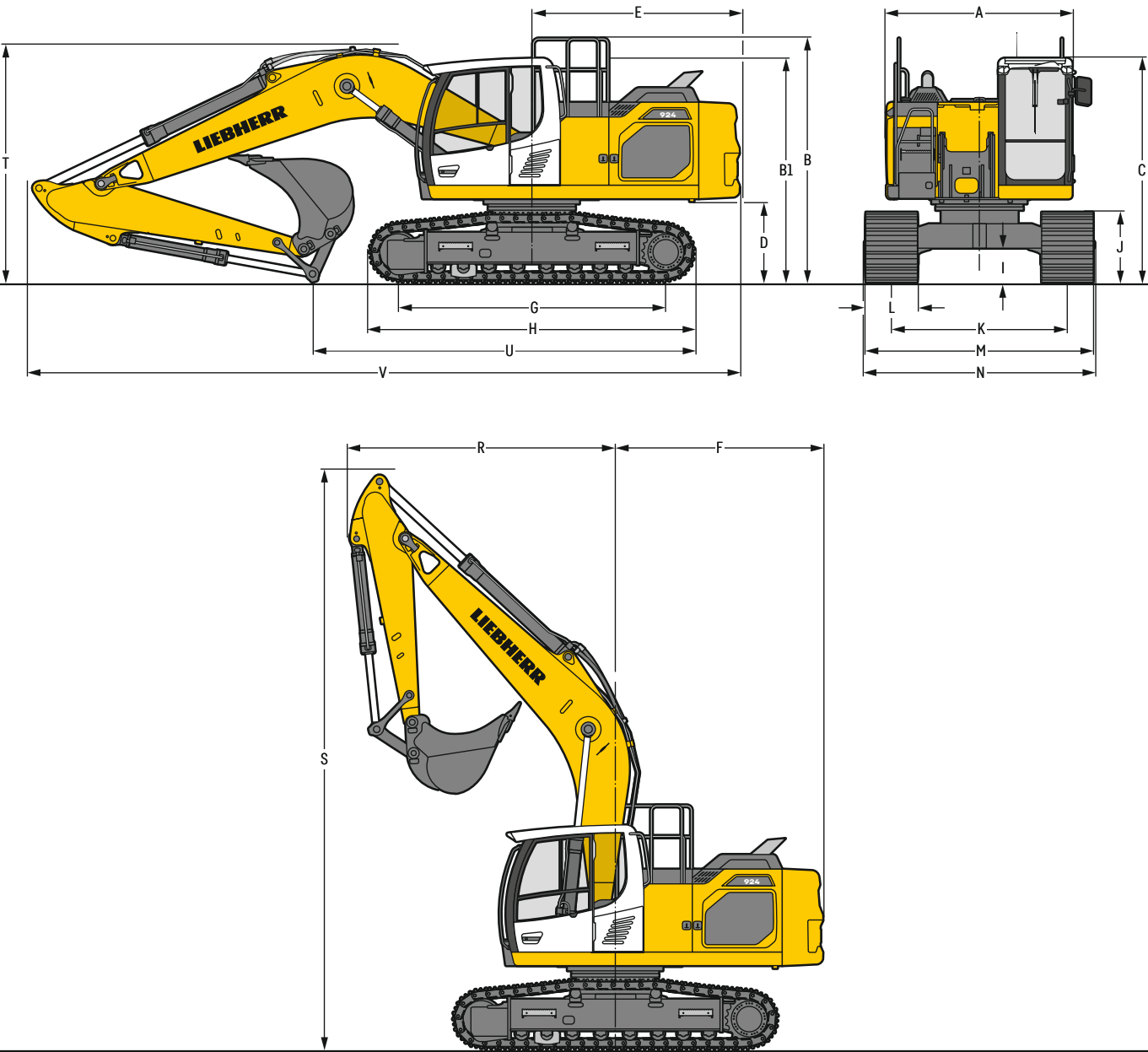
LC	Gauge 2,390 mm / 7'10"
Drive	Liebherr swashplate motor with brake valves on both sides
Transmission	Liebherr planetary reduction gear
Maximum travel speed	3.1 km/h / 1.9 mph low range 5.9 km/h / 3.7 mph high range
Drawbar pull on crawler	236 kN / 53,060 lbf
Track components	B60, D6C, maintenance-free
Track rollers / Carrier rollers	8/2
Tracks	Sealed and greased
Track pads	Triple grouser
Holding brake	Wet multi-disc (spring applied, pressure released)
Brake valves	Integrated into travel motor
Lashing eyes	Integrated



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					2,545 ²⁾ / 8' 4" ²⁾
B	Uppercarriage height					3,335 / 10' 11"
B1	Uppercarriage height (handrails folded)					3,060 / 10'
C	Cab height					3,060 / 10'
D	Counterweight ground clearance					1,100 / 3' 7"
E	Rear-end length					2,830 / 9' 3"
F	Tail swing radius					2,880 / 9' 5"
G	Wheelbase					3,640 / 11' 11"
H	Undercarriage length					4,435 / 14' 7"
I	Undercarriage ground clearance					485 / 1' 7"
J	Track height					960 / 3' 2"
K	Track gauge					2,390 / 7' 10"
L	Track pad width	600 / 24"	700 / 28"	800 / 31"	900 / 35"	
M	Width over tracks	2,990 / 9' 10"	3,090 / 10' 2"	3,190 / 10' 6"	3,290 / 10' 10"	
N	Width over steps	2,925 / 9' 7"	3,125 ¹⁾ / 10' 3" ¹⁾	3,125 ¹⁾ / 10' 3" ¹⁾	3,225 ¹⁾ / 10' 7" ¹⁾	

¹⁾ width with removable steps

²⁾ without door stop device and spacer

		Stick length	Mono boom 5.70 m / 18' 8"			
		m / ft in	direct mounting			
			mm / ft in			
R	Front swing radius	2.50 / 8' 2"	3,650 / 12'			
		2.90 / 9' 6"	3,650 / 12'			
		3.50 / 11' 6"	3,600 / 11' 10"			
S	Height with boom up		7,900 / 25' 11"			
T	Boom height	2.50 / 8' 2"	3,250 / 10' 8"			
		2.90 / 9' 6"	3,250 / 10' 8"			
		3.50 / 11' 6"	3,150 / 10' 4"			
U	Length on ground	2.50 / 8' 2"	6,200 / 20' 4"			
		2.90 / 9' 6"	5,900 / 19' 4"			
		3.50 / 11' 6"	4,450 / 14' 7"			
V	Overall length		9,700 / 31' 10"			
	Bucket		1.25 m ³ / 1.63 yd ³			

Transport dimensions

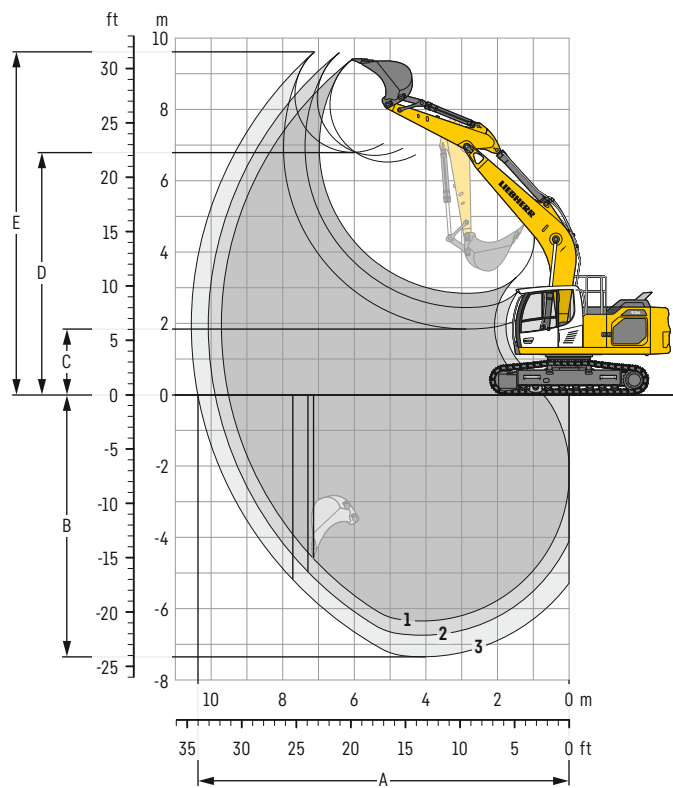
removable elements disassembled

	Mono boom 5.70 m / 18' 8"			
	mm / ft in			
Pad width	600 / 24"	700 / 28"	800 / 31"	900 / 35"
Transport width	2,990 / 9' 10"	3,090 / 10' 2"	3,190 / 10' 6"	3,290 / 10' 10"

	Stick	
	m / ft in	mm / ft in
Transport length		9,700 / 31' 10"
	2.50 / 8' 2"	3,250 / 10' 8"
Transport height		3,250 / 10' 8"
	2.90 / 9' 6"	3,150 / 10' 4"
	3.50 / 11' 6"	
Bucket		1.25 m ³ / 1.63 yd ³

Backhoe bucket

with mono boom 5.70 m / 18'8"



Digging envelope

without quick coupler		1	2	3
Stick length	m / ft in	2.50 / 8' 2"	2.90 / 9' 6"	3.50 / 11' 6"
A Max. reach at ground level	m / ft in	9.51 / 31' 2"	9.89 / 32' 5"	10.37 / 34'
B Max. digging depth	m / ft in	6.35 / 20' 10"	6.75 / 22' 2"	7.35 / 24' 1"
C Min. dumping height	m / ft in	2.85 / 9' 4"	2.45 / 8'	1.85 / 6' 1"
D Max. dumping height	m / ft in	6.53 / 21' 5"	6.71 / 22'	6.80 / 22' 4"
E Max. cutting height	m / ft in	9.40 / 30' 10"	9.59 / 31' 6"	9.61 / 31' 6"

Forces

without quick coupler		1	2	3
Stick digging force (ISO 6015)	kN / lbf	135 / 30,350	122 / 27,430	106 / 23,830
Bucket digging force (ISO 6015)	kN / lbf	173 / 38,890	173 / 38,890	173 / 38,890
Stick digging force (SAE J1179)	kN / lbf	129 / 29,000	117 / 26,300	103 / 23,160
Bucket digging force (SAE J1179)	kN / lbf	151 / 33,950	151 / 33,950	151 / 33,950

Operating weight and ground pressure

The operating weight includes the basic machine with counterweight 5.0 t / 11,020 lb, mono boom 5.70 m / 18'8", stick 2.90 m / 9'6" and bucket 1.25 m³ / 1.63 yd³ (890 kg / 1,960 lb).

Undercarriage		LC			
Pad width	mm / in	600 / 24"	700 / 28"	800 / 31"	900 / 35"
Weight	kg / lb	23,600 / 52,030	23,850 / 52,580	24,250 / 53,460	24,550 / 54,120
Ground pressure	kg/cm ² / psi	0.50 / 7.1	0.43 / 6.1	0.39 / 5.5	0.35 / 5.0

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

	Cutting width mm ft in	Capacity ISO 7451 m³ yd³	Weight ³⁾ kg lb	Weight ⁴⁾ kg lb	LC undercarriage (with track pads 800 mm / 31")					
					Stick length (m / ft in)					
					without quick coupler			with quick coupler		
					2.50 8'2"	2.90 9'6"	3.50 11'6"	2.50 8'2"	2.90 9'6"	3.50 11'6"
STD ¹⁾	650	0.55	580	590	▲	▲	▲	▲	▲	▲
	2'2"	0.72	1,280	1,300						
	850	0.75	620	630	▲	▲	▲	▲	▲	▲
	2'9"	0.98	1,370	1,390						
	1,050	0.95	700	710	▲	▲	▲	▲	▲	▲
	3'5"	1.24	1,540	1,570						
	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						
	1,400	1.50	950	980	■	▲	■	■	▲	△
	4'7"	1.96	2,090	2,160						
HD ²⁾	1,500	1.65	1,020	1,030	▲	■	△	▲	△	△
	4'11"	2.16	2,250	2,270						
	650	0.55	640	650	▲	▲	▲	▲	▲	▲
	2'2"	0.72	1,410	1,430						
	850	0.75	695	705	▲	▲	▲	▲	▲	▲
	2'9"	0.98	1,530	1,550						
	1,050	0.95	790	800	▲	▲	▲	▲	▲	▲
	3'5"	1.24	1,740	1,760						
	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						
	1,400	1.50	1,090	1,120	■	▲	△	■	■	△
	4'7"	1.96	2,400	2,470						
	1,500	1.65	1,160	1,160	▲	■	△	■	△	△
	4'11"	2.16	2,560	2,560						

* 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, △ = ≤ 1.2 t/m³ / 2,000 lb/yd³

Lift capacities

with mono boom 5.70 m / 18'8", counterweight 5.0 t / 11,020 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				m ft in
												
LC	7.5m t									6.0*	6.0*	5.8
	25ft lb									13,3*	13,3*	18'7"
	6.0m t					5.8	6.1*			4.5	5.6*	7.0
	20ft lb					12,4	13,3*			10,1	12,3*	22'7"
	4.5m t			7.8*	7.8*	5.6	6.7*	3.9	5.8	3.8	5.5*	7.7
	15ft lb			16,9*	16,9*	12,0	14,5*	8,5	12,5*	8,5	12,1*	25'1"
	3.0m t			8.0	10.0*	5.3	7.6*	3.8	5.7	3.5	5.1	8.0
	10ft lb			17,2	21,5*	11,5	16,5*	8,3	12,3	7,7	11,3	26'4"
	1.5m t			7.5	11.7*	5.1	7.7	3.7	5.6	3.4	5.0	8.1
	5ft lb			16,1	25,3*	10,9	16,6	8,0	12,0	7,4	11,0	26'6"
LC	0m t			7.3	11.9	4.9	7.5	3.6	5.5	3.4	5.1	7.9
	0ft lb			15,7	25,5	10,6	16,3	7,9	11,8	7,6	11,3	25'10"
	-1.5m t	12.0*	12.0*	7.2	11.8	4.9	7.5			3.8	5.7	7.3
	-5ft lb	27,3*	27,3*	15,6	25,4	10,5	16,2			8,3	12,5	24'
	-3.0m t	14.3	15.4*	7.4	11.1*	4.9	7.6			4.6	7.0	6.4
	-10ft lb	30,6	33,4*	15,9	24,0*	10,7	16,4			10,2	15,5	20'10"
	-4.5m t			7.7	8.2*					7.0	7.5*	4.8
	-15ft lb			16,6	17,2*					16,0	16,5*	15'5"

Stick 2.90 m / 9'6"

Under-carriage		3.0m 10ft		4.5m 15ft		6.0m 20ft		7.5m 25ft				m ft in
												
LC	7.5m t									5.6*	5.6*	6.3
	25ft lb									11,8*	11,8*	20'4"
	6.0m t									5.6*	5.6*	7.4
	20ft lb									12,2*	12,2*	24'
	4.5m t			7.1*	7.1*	5.6	6.2*	4.0	5.8*	3.5	4.6*	8.1
	15ft lb			15,4*	15,4*	12,1	13,5*	8,5	12,5	7,8	10,2*	26'4"
	3.0m t			8.1	9.3*	5.3	7.2*	3.8	5.7	3.2	4.8	8.4
	10ft lb			17,4	20,0*	11,5	15,6*	8,2	12,2	7,1	10,5	27'6"
	1.5m t			7.5	11.2*	5.0	7.7	3.7	5.5	3.1	4.6	8.5
	5ft lb			16,2	24,2*	10,9	16,6	8,0	11,9	6,8	10,2	27'8"
LC	0m t			7.2	11.8	4.8	7.5	3.6	5.4	3.2	4.8	8.2
	0ft lb			14,1*	14,1*	10,5	16,2	7,7	11,7	7,0	10,5	27'
	-1.5m t	11.3*	11.3*	7.1	11.7	4.8	7.4	3.6	5.4	3.4	5.2	7.7
	-5ft lb	25,7*	25,7*	15,4	25,2	10,3	16,0	7,7	11,6	7,6	11,5	25'4"
	-3.0m t	14.0	16.3*	7.2	11.5*	4.8	7.5			4.1	6.2	6.8
	-10ft lb	30,1	35,3*	15,6	24,8*	10,4	16,1			9,1	13,8	22'4"
	-4.5m t			7.5	9.2*					5.8	7.3*	5.4
	-15ft lb			16,2	19,7*					13,1	16,2*	17'6"

Stick 3.50 m / 11'6"

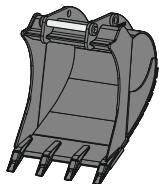
Under-carriage		3.0m 10ft		4.5m 15ft		6.0m 20ft		7.5m 25ft				m ft in
												
LC	7.5m t									3.9*	3.9*	6.9
	25ft lb									8,6*	8,6*	22'4"
	6.0m t							4.1	4.8*	3.7*	3.7*	7.9
	20ft lb							8,7	9,7*	8,1*	8,1*	25'10"
	4.5m t					5.5*	5.5*	4.0	5.3*	3.2	3.7*	8.5
	15ft lb					12,1*	12,1*	8,6	11,5*	7,1	8,1*	27'11"
	3.0m t	12.8*	12.8*	8.2*	8.2*	5.4	6.6*	3.8	5.7	2.9	3.8*	8.9
	10ft lb	27,2*	27,2*	17,8*	17,8*	11,6	14,3*	8,2	12,3	6,5	8,4*	29'1"
	1.5m t	6.7*	6.7*	7.6	10.4*	5.0	7.7*	3.7	5.5	2.8	4.1*	8.9
	5ft lb	15,9*	15,9*	16,4	22,5*	10,9	16,7*	7,9	11,9	6,2	9,0*	29'4"
LC	0m t	7.8*	7.8*	7.2	11.8*	4.8	7.5	3.5	5.4	2.9	4.3	8.7
	0ft lb	17,7*	17,7*	15,5	25,3	10,4	16,1	7,6	11,6	6,3	9,5	28'7"
	-1.5m t	11.2*	11.2*	7.0	11.6	4.7	7.3	3.5	5.3	3.1	4.7	8.2
	-5ft lb	25,3*	25,3*	15,1	24,9	10,1	15,8	7,5	11,4	6,8	10,3	27'
	-3.0m t	13.7	16.2*	7.0	11.6	4.7	7.3			3.6	5.4	7.4
	-10ft lb	29,3	36,7*	15,2	25,0	10,1	15,8			7,9	12,0	24'2"
	-4.5m t	14.1	14.7*	7.2	10.3*	4.8	7.4*			4.7	7.2*	6.1
	-15ft lb	30,2	31,5*	15,6	22,0*					10,6	15,8*	19'10"

 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 325 kg / 720 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

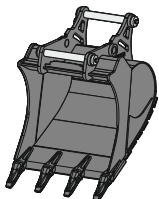
Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.

Attachments



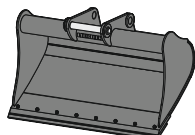
Backhoe bucket TL 04-02

Mounting	direct mounting, SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink									
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



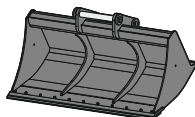
2in1 bucket HTL 04-02

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



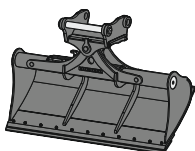
Universal bucket UL 04

Mounting	SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink									
Cutting width	mm / ft in	1,600 / 5'3"					1,600 / 5'3"			
Capacity	m³ / yd³	0.80 / 1.05					1.00 / 1.31			
Weight ¹⁾	kg / lb	473 / 1,043					496 / 1,093			



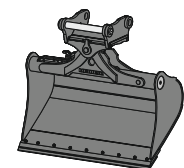
Ditch cleaning bucket GRL rigid 04

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"		2,400 / 7'10"
Capacity	m³ / yd³	0.50 / 0.65		0.70 / 0.92		1.20 / 1.57		0.85 / 1.11		1.25 / 1.63
Weight ¹⁾	kg / lb	425 / 937		522 / 1,151		637 / 1,404		605 / 1,334		1,85 / 2.42



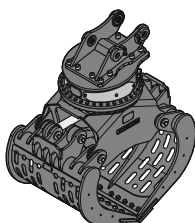
Ditch cleaning bucket GRL 90

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"
Capacity	m³ / yd³	0.55 / 0.72		0.60 / 0.78		1.20 / 1.57		0.80 / 1.05
Weight ¹⁾	kg / lb	715 / 1,576		738 / 1,627		970 / 2,138		820 / 1,808
Tilt angle		2 x 50°		2 x 50°		2 x 50°		2 x 50°



Sorting grab SG 30B

Mounting	direct mounting, SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink									
Shell type	perforated ³⁾					ribbed ³⁾			closed ³⁾	Stone shell ⁴⁾
Shell width	mm / ft in	1,000 / 3'3"		1,200 / 3'11"		1,400 / 4'7"		1,000 / 3'3"		1,020 / 3'4"
Capacity	m³ / yd³	0.85 / 1.11		1.00 / 1.31		1.15 / 1.50		0.90 / 1.18		0.85 / 1.11
Max. closing force	kN / lbf	80 / 17,985		80 / 17,985		80 / 17,985		80 / 17,985		80 / 17,985
Weight ²⁾	kg / lb	1,485 / 3,274		1,560 / 3,439		1,635 / 3,605		1,565 / 3,450		1,675 / 3,693

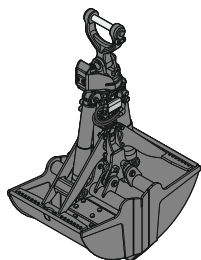
¹⁾ based on an attachment in a standard design with SWA 48 Solidlink quick coupler mounting

²⁾ without quick coupler mounting

³⁾ with standard bolt-on cutting edge

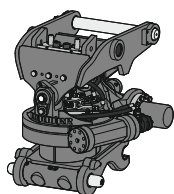
⁴⁾ with Liebherr teeth Z 40 C

Attachments



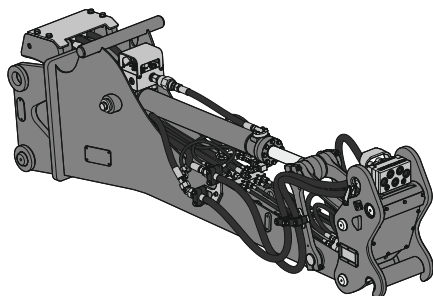
Clamshell grab

Mounting	direct mounting, SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink				
GMZ 30 Clamshell buckets					
Shell width	mm / ft in	600 / 2'	800 / 2'7"	1,000 / 3'3"	1,200 / 3'11"
Capacity ¹⁾	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 ²⁾	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"
Capacity ¹⁾	m ³ / yd ³	0.65 / 0.85	0.85 / 1.11	1.05 / 1.37	1.20 / 1.57
Opening width	mm / ft in	1,962 / 6'5"	1,962 / 6'5"	1,962 / 6'5"	1,962 / 6'5"
Weight ²⁾	kg / lb	1,345 / 2,965	1,430 / 3,153	1,520 / 3,351	1,605 / 3,538



Tiltrotator TR 25

Mounting machine side	SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink	
Mounting attachment side	SWA 48 mechanical, SWA 48 hydraulic	
Weight ³⁾	kg / lb	787 / 1,735
Rotation	360°	
Tilt	2 x 50°	



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 ⁵⁾ , SWA 33 hydraulic ⁷⁾ , SWA 33 Solidlink ⁴⁾ ⁷⁾ ⁸⁾	
Length	m / ft in	2.25 / 7'5" 2.70 / 8'10"
Weight ⁴⁾	kg / lb	650 / 1,433 700 / 1,543
LS 18		
Mounting attachment side	direct mounting, SWA 33 mechanical, SWA 33 mechanical Solidlink ⁵⁾ , SWA 33 hydraulic ⁷⁾ , SWA 33 Solidlink ⁴⁾ ⁷⁾ ⁸⁾ , SWA 48 mechanical, SWA 48 mechanical Solidlink ⁵⁾ , SWA 48 hydraulic ⁷⁾ , SWA 48 Solidlink ⁴⁾ ⁷⁾ ⁸⁾	
Length	m / ft in	2.65 / 8'8" 3.05 / 10'
Weight ⁴⁾	kg / lb	1.130 / 2,491 1.190 / 2,624

¹⁾ capacity specifications are theoretically determined values; fill level varies depending on the material being loaded

²⁾ with XHD suspension

³⁾ based on standard tiltrotator TR 25 with SWA 48 Solidlink quick coupler mounting machine side and SWA 48 hydraulic quick coupler mounting on the underside tiltrotator

⁴⁾ 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

⁵⁾ attachment with high pressure circuit only possible with the manual switchover tipping cylinder or an extended hydraulic circuit on the carrier machine

⁶⁾ attachment with high pressure circuit only possible with the electric / manual switchover tipping cylinder or an extended hydraulic circuit on the carrier machine

⁷⁾ 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

⁸⁾ 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