

Technical Data



Engine

Rating	
per SAE J1349	173 HP (129 kW) at 1,900 rpm
per ISO 9249	175 HP (129 kW) at 1,900 rpm
Torque	682 Nm at 1,400 rpm / 503 lbf ft at 1,400 rpm
Model	Liebherr D924 A7-04
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 integrated motor oil cooler
Air cleaner	Dry-type air cleaner with pre-cleaner, primary and safety elements
Fuel tank	331 l / 87 gal
Urea tank	45 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 with integrated safety valves, simultaneous and independent actuation of undercarriage, swing drive and equipment
Servo circuit	
Equipment and swing	Proportional via joystick levers
Travel	– Proportional control via foot pedals or removable levers – Speed pre-selection
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 223 l/min. / 2 x 59 gpm
Max. pressure	350 bar / 5,076 psi
Pump management	Electronic pump management via the integrated system controlling (CAN-BUS) synchronous to the control block. Open circuit for the rotation
Hydraulic tank	153 l / 40 gal
Hydraulic system	max. 360 l / max. 95 gal
Hydraulic oil filter	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
Tool Control	20 pre-adjustable pump flows and pressures for add-on attachments



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 – 11.5 rpm stepless
Swing torque	84 kNm / 61,955 lbf ft
Holding brake	Wet multi-disc (spring applied, pressure released)
Lubrication	Liebherr central lubrication system



Operator's Cab

Cab	ROPS safety cab structure (roll-over protection system according to ISO 12117-2:2008) with windscreen, totally or partially retractable (only upper part), under cab roof, LED work headlights integrated in the ceiling, a door with a sliding window (can be opened on both sides), large storing box and several stowing possibilities, shock-absorbing suspension, laminated right hand side and roof windows, all windows tinted, separate extendible window shades for the sunroof window and windscreen, cigarette lighter and 24 V plug, 12 V plug, cup holder
Operator's seat	Liebherr-Comfort seat, airsprung with automatic weight adjustment, vertical and longitudinal seat damping including consoles and joysticks. Seat and armrests adjustable separately and in combination (adjustable in width, height and inclination), seat heating as standard
Arm consoles	Oscillating consoles with seat, tiltable console left
Operation and displays	Large high-resolution operating unit, intuitive, 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	L_{pA} (inside cab) = 69 dB(A)
2000/14/EC	L_{WA} (surround noise) = 103 dB(A)



Undercarriage

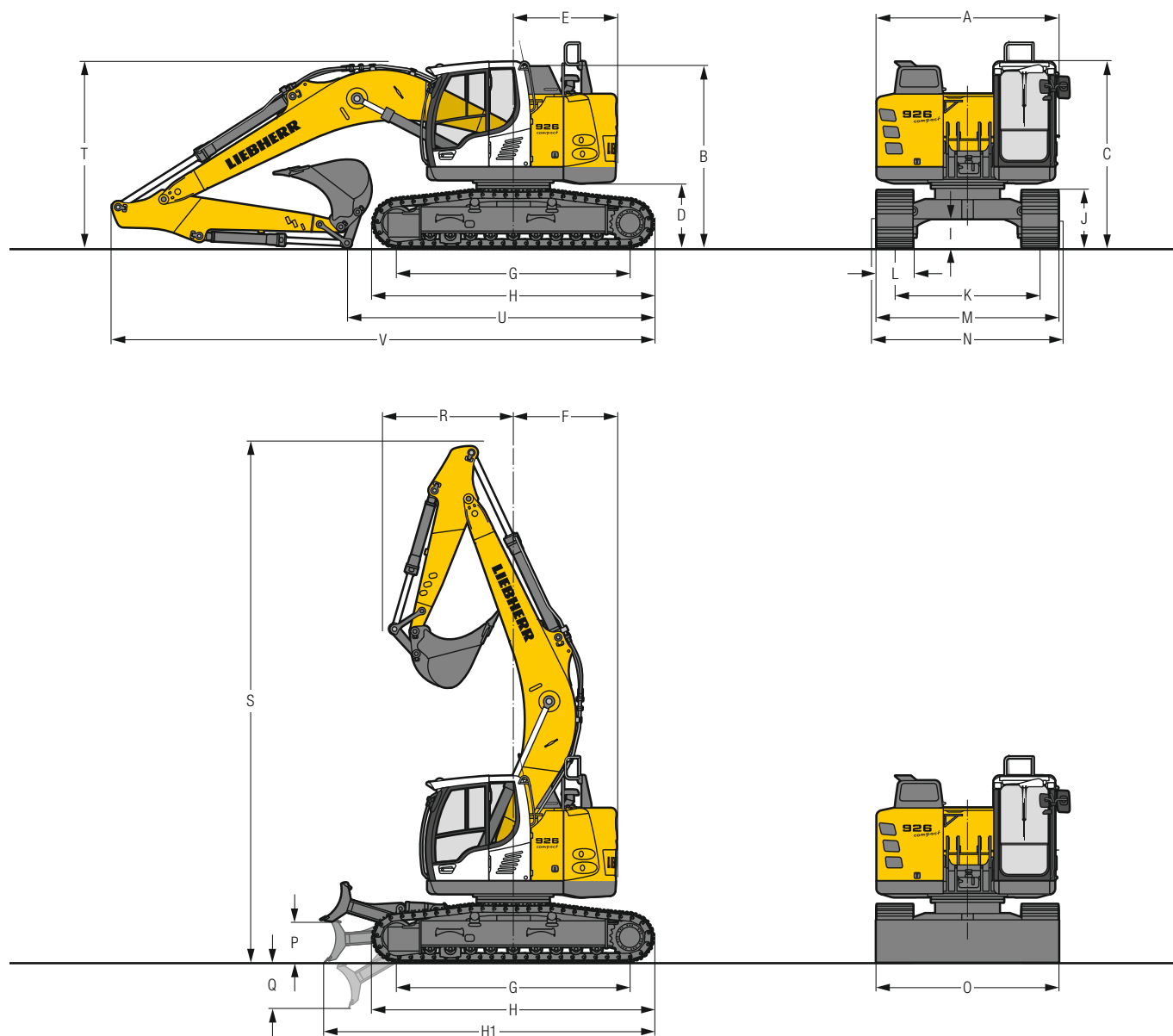
LC	Gauge 2,390 mm / 7'10"
Drive	Liebherr swashplate motor with brake valves on both sides
Transmission	Liebherr compact planetary reduction gear
Maximum travel speed	Low range 3.2 km/h / 2.0 mph High range 5.1 km/h / 3.2 mph
Drawbar pull on crawler	236 kN / 53,055 lbf
Track components	B60, maintenance-free
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

Hydraulic cylinders	Liebherr cylinders with seal and guidance systems
Bearings	Sealed, low maintenance
Lubrication	Liebherr central lubrication system

Dimensions



	LC	mm/ft in				LC with blade	mm/ft in			
A	Uppercarriage width				2,980 / 9' 9"					2,980 / 9' 9"
B	Uppercarriage height				2,990 / 9'10"					2,990 / 9'10"
C	Cab height				3,085 /10' 1"					3,085 /10' 1"
D	Counterweight ground clearance				1,075 / 3' 6"					1,075 / 3' 6"
E	Rear-end length				1,700 / 5' 7"					1,700 / 5' 7"
F	Tail swing radius				1,700 / 5' 7"					1,700 / 5' 7"
G	Wheelbase				3,830 /12' 7"					3,830 /12' 7"
H	Undercarriage length				4,630 /15' 2"					4,630 /15' 2"
H1	Undercarriage length with blade				–					5,425 /17'10"
I	Undercarriage ground clearance				450 / 1' 6"					450 / 1' 6"
J	Track height				965 / 3' 2"					965 / 3' 2"
K	Track gauge				2,390 / 7'10"					2,390 / 7'10"
L	Track pad width	600 / 24"	700 / 28"	800 / 31"	900 / 35"		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"		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 /10' 3"	3,125 /10' 3"	3,225 /10' 7"		2,925 /9' 7"	3,125 /10' 3"	3,125 /10' 3"	3,225 /10' 7"
O	Blade width				–		3,000 /9'10"	3,100 /10' 2"	–	–
P	Max. blade height				–					675 / 2' 3"
Q	Max. blade depth				–					750 / 2' 6"

* width with removable steps

		Stick length m/ft in	Mono boom 5.70 m/18'8" direct mounting mm/ft in
R¹⁾	Front swing radius	2.35/7'9"	2,150/ 7' 1"
		2.65/8'8"	2,050/ 6' 9"
		2.95/9'8"	1,950/ 6' 5"
R²⁾	Front swing radius	2.35/7'9"	2,200/ 7' 3"
		2.65/8'8"	2,100/ 6'11"
		2.95/9'8"	2,000/ 6' 7"
S	Height with boom up		8,550/28' 1"
T	Boom height	2.35/7'9"	3,100/10' 2"
		2.65/8'8"	3,050/10'
		2.95/9'8"	3,050/10'
U	Length on ground	2.35/7'9"	5,900/19' 4"
		2.65/8'8"	5,300/17' 5"
		2.95/9'8"	5,050/16' 7"
V	Overall length	2.35/7'9"	9,000/29' 6"
		2.65/8'8"	9,000/29' 6"
		2.95/9'8"	9,000/29' 6"
	Bucket		1.15 m ³ /1.50 yd ³

¹⁾ without quick coupler with bucket

²⁾ with quick coupler and bucket

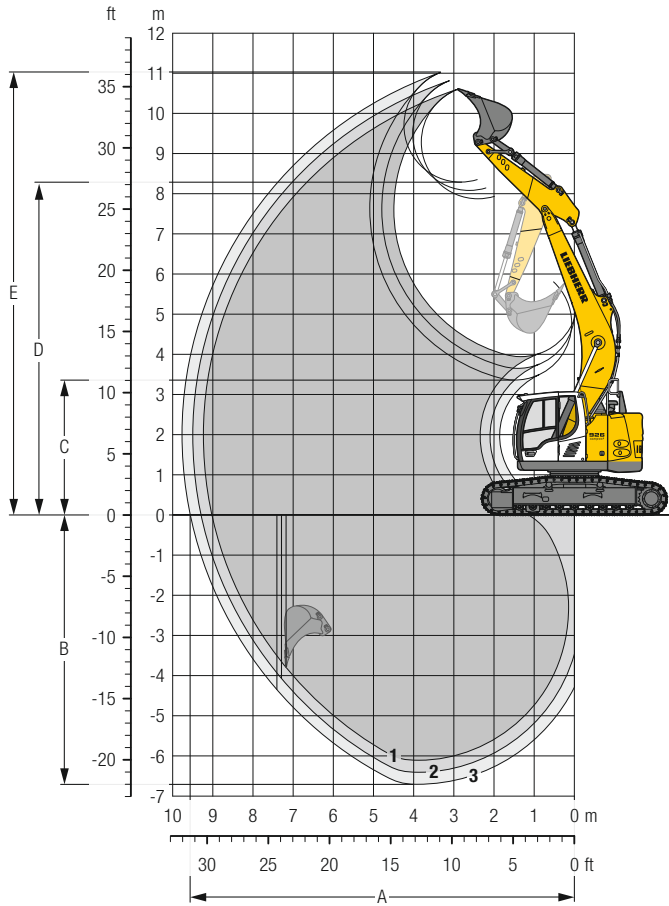
Transport Dimensions

removable elements disassembled

	Stick m/ft in	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"
Transport length	2.35/7'9"	9,050/29'8"			
	2.65/8'8"	9,050/29'8"			
	2.95/9'8"	9,050/29'8"			
Transport height	2.35/7'9"	3,085 /10'1"			
	2.65/8'8"	3,085 /10'1"			
	2.95/9'8"	3,085 /10'1"			
Bucket		1.15 m ³ /1.50 yd ³			

Backhoe Bucket

with Mono Boom 5.70 m/18'8" and Counterweight 5.7 t/12,570 lb



Digging Envelope

without quick coupler		1	2	3
Stick length	m/ft in	2.35/ 7' 9"	2.65/ 8' 8"	2.95/ 9' 8"
A Max. reach at ground level	m/ft in	9.02/ 29' 7"	9.29/ 30' 6"	9.57/ 31' 5"
B Max. digging depth	m/ft in	6.11/ 20' 1"	6.41/ 21'	6.71/ 22'
C Min. dumping height	m/ft in	3.94/ 12' 11"	3.65/ 12'	3.36/ 11'
D Max. dumping height	m/ft in	7.87/ 25' 10"	8.08/ 26' 6"	8.29/ 27' 2"
E Max. cutting height	m/ft in	10.59/ 34' 9"	10.81/ 35' 6"	11.02/ 36' 2"

Forces

without quick coupler		1	2	3
Stick digging force (ISO 6015)	kN/lbf	120/ 26,980	110/ 24,730	102/ 22,930
Bucket digging force (ISO 6015)	kN/lbf	140/ 31,470	140/ 31,470	140/ 31,470
Stick digging force (SAE J1179)	kN/lbf	113/ 25,400	105/ 23,610	97/ 21,810
Bucket digging force (SAE J1179)	kN/lbf	125/ 28,100	125/ 28,100	125/ 28,100

Operating Weight and Ground Pressure

The operating weight includes the basic machine with counterweight 5.7 t/12,570 lb, mono boom 5.70 m/18'8", stick 2.95 m/9'8" and bucket 1.15 m³/1.50 yd³ (755 kg/1,660 lb).

Undercarriage		LC			
Pad width	mm/in	600/ 24"	700/ 28"	800/ 31"	900/ 35"
Weight	kg/lb	25,300/ 55,780	25,550/ 56,330	25,850/ 56,990	26,150/ 57,650
Ground pressure	kg/cm²/psi	0.51/ 7.3	0.44/ 6.3	0.39/ 5.5	0.35/ 5.0

Undercarriage		LC with blade			
Pad width	mm/in	600/ 24"	700/ 28"	800/ 31"	900/ 35"
Weight	kg/lb	27,250/ 60,080	27,500/ 60,630	27,800/ 61,290	28,100/ 61,950
Ground pressure	kg/cm²/psi	0.55/ 7.8	0.48/ 6.8	0.42/ 6.0	0.38/ 5.4

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

	Cutting width mm in	Capacity ISO 7451 m³ yd³	Weight ⁽²⁾ kg lb	Weight ⁽⁴⁾ kg lb	LC-Undercarriage (with track pads 800 mm/31")						LC-Undercarriage with blade (with track pads 800 mm/31")					
					Stick length (m/ft in)						Stick length (m/ft in)					
					without quick coupler			with quick coupler			without quick coupler			with quick coupler		
					2.35 7'9"	2.65 8'8"	2.95 9'8"	2.35 7'9"	2.65 8'8"	2.95 9'8"	2.35 7'9"	2.65 8'8"	2.95 9'8"	2.35 7'9"	2.65 8'8"	2.95 9'8"
STD ⁽¹⁾	650	0.55	480	515	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	26"	0.72	1,060	1,140	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	850	0.60	520	550	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	34"	0.78	1,150	1,210	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,050	0.80	600	635	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	41"	1.05	1,320	1,400	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,250	1.00	685	715	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	49"	1.31	1,510	1,580	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,400	1.15	755	785	▲	▲	▲	▲	▲	■	▲	▲	▲	▲	▲	▲
	55"	1.50	1,660	1,730	▲	▲	▲	▲	▲	■	▲	▲	▲	▲	▲	▲
HD ⁽²⁾	1,250	1.25	890	925	▲	■	■	▲	■	▲	▲	▲	▲	▲	▲	■
	49"	1.63	1,960	2,040	▲	■	■	▲	■	▲	▲	▲	▲	▲	■	■
	1,400	1.35	850	885	▲	■	▲	■	▲	■	▲	▲	■	▲	■	■
	55"	1.77	1,870	1,950	▲	■	▲	■	▲	■	▲	▲	■	▲	■	■
	1,400	1.50	950	980	▲	■	■	▲	■	△	■	■	▲	■	▲	■
	55"	1.96	2,090	2,160	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	650	0.55	545	575	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	26"	0.72	1,200	1,270	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	850	0.60	585	615	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	34"	0.78	1,290	1,360	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
HD ⁽²⁾	1,050	0.80	675	705	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	41"	1.05	1,490	1,550	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,250	1.00	770	800	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	49"	1.31	1,700	1,760	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,400	1.15	850	880	▲	▲	▲	▲	▲	■	▲	▲	▲	▲	▲	▲
	55"	1.50	1,870	1,940	▲	▲	▲	▲	▲	■	▲	▲	▲	▲	▲	▲
	1,250	1.25	975	1,005	▲	■	■	■	■	▲	▲	▲	▲	▲	▲	■
	49"	1.63	2,150	2,220	▲	■	■	■	■	▲	▲	▲	▲	▲	▲	■
	1,400	1.35	935	965	■	■	▲	■	▲	■	▲	▲	■	▲	■	▲
	55"	1.77	2,060	2,130	■	■	▲	■	▲	■	▲	▲	■	▲	■	▲
HD ⁽²⁾	1,400	1.50	1,090	1,120	▲	■	△	■	△	△	■	▲	■	■	▲	■
	55"	1.96	2,400	2,470	▲	■	△	■	△	△	■	▲	■	■	▲	■

* 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 Uni 35-3

⁽²⁾ HD bucket with teeth Uni 35-3

⁽³⁾ Bucket for direct mounting

⁽⁴⁾ Bucket for mounting to quick coupler

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, Counterweight 5.7 t/12,570 lb and Track Pads 800 mm/31"

Stick 2.35 m / 7'9"

Under-carriage		3.0 m 10 ft		4.5 m 15 ft		6.0 m 20 ft		7.5 m 25 ft		m ft in	
		t	lb	t	lb	t	lb	t	lb	t	lb
LC	9.0 m	7.4*	7.4*							7.0*	7.0*
	30 ft									16.1*	16.1*
	7.5 m			6.8*	6.8*					5.7*	5.7*
	25 ft			15.0*	15.0*					12.6*	12.6*
	6.0 m	8.6*	8.6*	7.2*	7.2*	5.0	6.4*			4.2	5.3*
	20 ft	18.6*	18.6*	15.6*	15.6*	10.8	14.1*			9.5	11.8*
	4.5 m	12.2*	12.2*	7.5	8.4*	4.9	6.8*			3.5	5.4*
	15 ft	26.0*	26.0*	16.3	18.1*	10.5	14.9*			7.8	11.8*
	3.0 m			6.9	9.9*	4.6	7.5*	3.3	5.6	3.2	5.4
	10 ft			14.9	21.4*	9.9	16.2*	7.2	12.2	7.0	11.8
LC Blade up	1.5 m			6.4	10.9*	4.4	7.7	3.2	5.5	3.0	5.2
	5 ft			13.9	23.5*	9.4	16.6	6.9	11.9	6.7	11.5
	0 m			6.2	10.8*	4.2	7.5	3.1	5.4	3.1	5.4
	0 ft			13.5	23.4*	9.1	16.2			6.8	11.8
	-1.5 m	11.4*	11.4*	6.2	9.9*	4.2	7.5			3.4	6.0
	-5 ft	25.9*	25.9*	13.4	21.5*	9.0	16.1			7.6	13.2
	-3.0 m	10.2*	10.2*	6.3	8.1*	4.3	5.9*			4.3	5.9*
	-10 ft	22.2*	22.2*	13.7	17.5*					9.5	12.9*
	-4.5 m	5.8*	5.8*							4.6*	4.6*
	-15 ft									9.9*	9.9*
LC Blade down	9.0 m	7.4*	7.4*							7.0*	7.0*
	30 ft									16.1*	16.1*
	7.5 m			6.8*	6.8*					5.7*	5.7*
	25 ft			15.0*	15.0*					12.6*	12.6*
	6.0 m	8.6*	8.6*	7.2*	7.2*	5.4	6.4*			4.6	5.3*
	20 ft	18.6*	18.6*	15.6*	15.6*	11.7	14.1*			10.2	11.8*
	4.5 m	12.2*	12.2*	8.1	8.4*	5.3	6.8*			3.8	5.4*
	15 ft	26.0*	26.0*	17.5	18.1*	11.3	14.9*			8.4	11.8*
	3.0 m			7.5	9.9*	5.0	7.5*	3.6	5.7	3.4	5.4
	10 ft			16.2	21.4*	10.8	16.2*	7.8	12.2	7.6	11.9
LC Blade up	1.5 m			7.0	10.9*	4.8	7.8	3.5	5.6	3.3	5.2
	5 ft			15.2	23.5*	10.3	16.7	7.6	12.0	7.3	11.5
	0 m			6.8	10.8*	4.6	7.6	3.4	5.5	3.4	5.4
	0 ft			14.7	23.4*	10.0	16.3			7.5	11.9
	-1.5 m	11.4*	11.4*	6.8	9.9*	4.6	7.5*			3.8	6.0
	-5 ft	25.9*	25.9*	14.7	21.5*	9.9	16.2*			8.3	13.3
	-3.0 m	10.2*	10.2*	6.9	8.1*	4.7	5.9*			4.7	5.9*
	-10 ft	22.2*	22.2*	14.9	17.5*					10.4	12.9*
	-4.5 m	5.8*	5.8*							4.6*	4.6*
	-15 ft									9.9*	9.9*
LC Blade down	9.0 m	7.4*	7.4*							7.0*	7.0*
	30 ft									16.1*	16.1*
	7.5 m			6.8*	6.8*					5.7*	5.7*
	25 ft			15.0*	15.0*					12.6*	12.6*
	6.0 m	8.6*	8.6*	7.2*	7.2*	5.7	6.4*			4.8	5.3*
	20 ft	18.6*	18.6*	15.6*	15.6*	12.3	14.1*			10.8	11.8*
	4.5 m	12.2*	12.2*	8.4*	8.4*	5.5	6.8*			4.0	5.4*
	15 ft	26.0*	26.0*	18.1*	18.1*	11.9	14.9*			8.9	11.8*
	3.0 m			7.9	9.9*	5.3	7.5*	3.8	6.3*	3.6	5.7*
	10 ft			17.2	21.4*	11.4	16.2*	8.2	13.6*	8.0	12.4*
LC Blade up	1.5 m			7.5	10.9*	5.0	8.0*	3.7	6.4*	3.5	6.1*
	5 ft			16.1	23.5*	10.9	17.3*	8.0	13.9*	7.7	13.5*
	0 m			7.3	10.8*	4.9	8.0*	3.6	6.2*	3.6	6.2*
	0 ft			15.6	23.4*	10.5	17.4*			7.9	13.6*
	-1.5 m	11.4*	11.4*	7.2	9.9*	4.8	7.5*			4.0	6.1*
	-5 ft	25.9*	25.9*	15.6	21.5*	10.5	16.2*			8.8	13.5*
	-3.0 m	10.2*	10.2*	7.4	8.1*	4.9	5.9*			4.9	5.9*
	-10 ft	22.2*	22.2*	15.9	17.5*					11.0	12.9*
	-4.5 m	5.8*	5.8*							4.6*	4.6*
	-15 ft									9.9*	9.9*

Stick 2.65 m / 8'8"

Under-carriage		3.0 m 10 ft		4.5 m 15 ft		6.0 m 20 ft		7.5 m 25 ft		m ft in	
		t	lb	t	lb	t	lb	t	lb	t	lb
LC	9.0 m	7.2*	7.2*							5.9*	5.9*
	30 ft									13.3*	13.3*
	7.5 m			6.4*	6.4*					4.9*	4.9*
	25 ft			14.1*	14.1*					10.9*	10.9*
	6.0 m	7.3*	7.3*	6.8*	6.8*	5.1	6.1*			3.9	4.7*
	20 ft	16.0*	16.0*	14.7*	14.7*	11.0	13.4*			8.8	10.3*
	4.5 m	11.2*	11.2*	7.6	8.0*	4.9	6.6*	3.4	5.6*	3.3	4.7*
	15 ft	23.9*	23.9*	16.5	17.3*	10.6	14.4*	7.4	10.7*	7.3	10.3*
	3.0 m			7.0	9.6*	4.6	7.3*	3.3	5.7	3.0	4.9*
	10 ft			15.1	20.7*	10.0	15.8*	7.2	12.2	6.6	10.8*
LC Blade up	1.5 m			6.5	10.7*	4.4	7.7	3.2	5.5	2.9	4.9
	5 ft			14.0	23.2*	9.4	16.6	6.9	11.9	6.3	10.9
	0 m			6.2	10.9*	4.2	7.5	3.1	5.4	2.9	5.1
	0 ft			13.0*	13.0*	9.1	16.2	6.7	11.7	6.5	11.2
	-1.5 m	10.8*	10.8*	6.2	10.1*	4.1	7.5			3.2	5.6
	-5 ft	24.6*	24.6*	13.3	22.0*	8.9	16.1			7.1	12.4
	-3.0 m	11.1*	11.1*	6.3	8.5*	4.2	6.3*			3.9	5.8*
	-10 ft	24.1*	24.1*	13.5	18.4*	9.1	13.5*			8.7	12.7*
	-4.5 m	7.0*	7.0*	5.4*	5.4*					5.0*	5.0*
	-15 ft	14.9*	14.9*	11.1*	11.1*					10.8*	10.8*
LC Blade down	9.0 m	7.2*	7.2*							5.9*	5.9*
	30 ft									13.3*	13.3*
	7.5 m			6.4*	6.4*					4.9*	4.9*
	25 ft			14.1*	14.1*					10.9*	10.9*
	6.0 m	7.3*	7.3*	6.8*	6.8*	5.5	6.1*			4.3	4.7*
	20 ft	16.0*	16.0*	14.7*	14.7*	11.8	13.4*			9.6	10.3*
	4.5 m	11.2*	11.2*	8.0*	8.0*	5.3	6.6*	3.7	5.6*	3.6	4.7*
	15 ft	23.9*	23.9*	17.3*	17.3*	11.4	14.4*	8.0	10.7*	8.0	10.3*
	3.0 m			7.6	9.6*	5.0	7.3*	3.6	5.7	3.3	4.9*
	10 ft			16.4	20.7*	10.8	15.8*	7.8	12.3	7.2	10.8*
LC Blade up	1.5 m			7.1	10.7*	4.8	7.8	3.5	5.6	3.2	5.0
	5 ft			15.3	23.2*	10.3	16.7	7.6	12.0	6.9	11.0
	0 m			6.8	10.9*	4.6	7.6	3.4	5.5	3.2	5.1
	0 ft			13.0*	13.0*	9.9	16.3	7.4	11.8	7.1	11.3
	-1.5 m	10.8*	10.8*	6.8	10.1*	4.5	7.5			3.5	5.7
	-5 ft	24.6*	24.6*	14.6	22.0*	9.8	16.2			7.8	12.5
	-3.0 m	11.1*	11.1*	6.9	8.5*	4.6	6.3*			4.3	5.8*
	-10 ft	24.1*	24.1*	14.8	18.4*	10.0	13.5*			9.5	12.7*
	-4.5 m	7.0*	7.0*	5.4*	5.4*					5.0*	5.0*
	-15 ft	14.9*	14.9*	11.1*	11.1*					10.8*	10.8*
LC Blade down	9.0 m	7.2*	7.2*							5.9*	5.9*
	30 ft									13.3*	13.3*
	7.5 m			6.4*	6.4*					4.9*	4.9*
	25 ft			14.1*	14.1*					10.9*	10.9*
	6.0 m	7.3*	7.3*	6.8*	6.8*	5.8	6.1*			4.5	4.7*
	20 ft	16.0*	16.0*	14.7*	14.7*	12.4	13.4*			10.1	10.3*
	4.5 m	11.2*	11.2*	8.0*	8.0*	5.6	6.6*	3.9	5.6*	3.8	4.7*
	15 ft	23.9*	23.9*	17.3*	17.3*	12.0	14.4*	8.5	10.7*	8.4	10.3*
	3.0 m			8.0	9.6*	5.3	7.3*	3.8	6.1*	3.5	4.9*
	10 ft			17.4	20.7*	11.4	15.8*	8.2	13.3*	7.6	10.8*
LC Blade up	1.5 m			7.5	10.7*	5.0	7.9*	3.7	6.3*	3.3	5.4*
	5 ft			16.2	23.2*	10.9	17.1*	8.0	13.7*	7.3	11.9*
	0 m			7.3	10.9*	4.9	8.0*	3.6	6.3*	3.4	5.9*
	0 ft			13.0*	13.0*	10.5	17.4*	7.8	13.6*	7.5	13.1*
	-1.5 m	10.8*	10.8*	7.2	10.1*	4.8	7.6*			3.7	5.9*
	-5 ft	24.6*	24.6*	15.5	22.0*	10.4	16.5*			8.2	13.1*
	-3.0 m	11.1*	11.1*	7.3	8.5*	4.9	6.3*			4.5	5.8*
	-10 ft	24.1*	24.1*	15.7	18.4*	10.5	13.5*			10.1	12.7*
	-4.5 m	7.0*	7.0*	5.4*	5.4*					5.0*	5.0*
	-15 ft	14.9*	14.9*	11.1*	11.1*					10.8*	10.8*

 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,

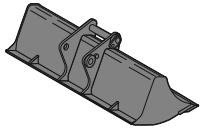
Stick 2.95 m / 9'8"

Under-carriage		3.0 m 10 ft		4.5 m 15 ft		6.0 m 20 ft		7.5 m 25 ft				m ft in	
LC	Blade up	9.0 m t								5.0*	5.0*	4.3	
		30 ft lb								11,4*	11,4*	13'5"	
		7.5 m t		5.9*	5.9*	4.9*	4.9*			4.3*	4.3*	6.2	
		25 ft lb		13,1*	13,1*					9,6*	9,6*	20'	
		6.0 m t		6.4*	6.4*	5.1	5.8*			3.7	4.1*	7.3	
		20 ft lb		13,9*	13,9*	11,0	12,8*			8,2	9,1*	23'8"	
		4.5 m t	10.3*	10.3*	7.6*	7.6*	4.9	6.4*	3.5	5.7*	3.1	4.1*	8.0
		15 ft lb	21,9*	21,9*	16,4*	16,4*	10,6	13,8*	7,4	11,8*	6,9	9,1*	26'
		3.0 m t			7.1	9.3*	4.7	7.1*	3.3	5.7	2.8	4.3*	8.3
		10 ft lb			15,3	20,0*	10,1	15,4*	7,2	12,2	6,3	9,5*	27'2"
		1.5 m t			6.5	10.5*	4.4	7.7*	3.2	5.5	2.7	4.7	8.3
		5 ft lb			14,1	22,8*	9,5	16,7	6,9	11,9	6,0	10,4	27'5"
LC	Blade down	0 m t	6.2*	6.2*	6.2	10.9*	4.2	7.5	3.1	5.4	2.8	4.8	8.1
		0 ft lb	14,2*	14,2*	13,4	23,6*	9,0	16,2	6,7	11,6	6,1	10,6	26'8"
		-1.5 m t	10.3*	10.3*	6.1	10.3*	4.1	7.4	3.1	5.4	3.0	5.3	7.6
		-5 ft lb	23,4*	23,4*	13,2	22,4*	8,9	16,0			6,7	11,6	24'11"
		-3.0 m t	12.0*	12.0*	6.2	8.9*	4.1	6.7*			3.6	5.7*	6.7
		-10 ft lb	25,9*	25,9*	13,4	19,3*	9,0	14,3*			8,0	12,5*	21'11"
		-4.5 m t	8.2*	8.2*	6.2*	6.2*					5.1*	5.1*	5.2
		-15 ft lb	17,3*	17,3*	13,0*	13,0*					11,2*	11,2*	16'10"
		9.0 m t								5.0*	5.0*	4.3	
		30 ft lb								11,4*	11,4*	13'5"	
		7.5 m t			5.9*	5.9*	4.9*	4.9*			4.3*	4.3*	6.2
		25 ft lb			13,1*	13,1*					9,6*	9,6*	20'
LC	Blade up	6.0 m t			6.4*	6.4*	5.5	5.8*			4.0	4.1*	7.3
		20 ft lb			13,9*	13,9*	11,9	12,8*			8,9	9,1*	23'8"
		4.5 m t	10.3*	10.3*	7.6*	7.6*	5.3	6.4*	3.8	5.7*	3.4	4.1*	8.0
		15 ft lb	21,9*	21,9*	16,4*	16,4*	11,5	13,8*	8,1	11,8*	7,6	9,1*	26'
		3.0 m t			7.7	9.3*	5.1	7.1*	3.6	5.7	3.1	4.3*	8.3
		10 ft lb			16,6	20,0*	10,9	15,4*	7,8	12,3	6,9	9,5*	27'2"
		1.5 m t			7.1	10.5*	4.8	7.7*	3.5	5.6	3.0	4.7*	8.3
		5 ft lb			15,4	22,8*	10,3	16,8*	7,5	12,0	6,6	10,4*	27'5"
		0 m t	6.2*	6.2*	6.8	10.9*	4.6	7.6	3.4	5.4	3.0	4.9	8.1
		0 ft lb	14,2*	14,2*	14,7	23,6*	9,9	16,3	7,3	11,7	6,7	10,7	26'8"
		-1.5 m t	10.3*	10.3*	6.7	10.3*	4.5	7.5	3.4	5.4	3.3	5.3	7.6
		-5 ft lb	23,4*	23,4*	14,5	22,4*	9,7	16,1			7,3	11,7	24'11"
LC	Blade down	-3.0 m t	12.0*	12.0*	6.8	8.9*	4.5	6.7*			3.9	5.7*	6.7
		-10 ft lb	25,9*	25,9*	14,6	19,3*	9,8	14,3*			8,8	12,5*	21'11"
		-4.5 m t	8.2*	8.2*	6.2*	6.2*					5.1*	5.1*	5.2
		-15 ft lb	17,3*	17,3*	13,0*	13,0*					11,2*	11,2*	16'10"
		9.0 m t								5.0*	5.0*	4.3	
		30 ft lb								11,4*	11,4*	13'5"	
		7.5 m t			5.9*	5.9*	4.9*	4.9*			4.3*	4.3*	6.2
		25 ft lb			13,1*	13,1*					9,6*	9,6*	20'
		6.0 m t			6.4*	6.4*	5.8	5.8*			4.1*	4.1*	7.3
		20 ft lb			13,9*	13,9*	12,5	12,8*			9,1*	9,1*	23'8"
		4.5 m t	10.3*	10.3*	7.6*	7.6*	5.6	6.4*	4.0	5.7*	3.6	4.1*	8.0
		15 ft lb	21,9*	21,9*	16,4*	16,4*	12,1	13,8*	8,5	11,8*	8,0	9,1*	26'
		3.0 m t			8.1	9.3*	5.3	7.1*	3.8	6.0*	3.3	4.3*	8.3
		10 ft lb			17,5	20,0*	11,5	15,4*	8,3	13,0*	7,2	9,5*	27'2"
		1.5 m t			7.6	10.5*	5.1	7.7*	3.7	6.2*	3.2	4.7*	8.3
		5 ft lb			16,3	22,8*	10,9	16,8*	8,0	13,6*	7,0	10,4*	27'5"
		0 m t	6.2*	6.2*	7.3	10.9*	4.9	8.0*	3.6	6.3*	3.2	5.4*	8.1
		0 ft lb	14,2*	14,2*	15,6	23,6*	10,5	17,3*	7,8	13,6*	7,1	11,9*	26'8"
		-1.5 m t	10.3*	10.3*	7.2	10.3*	4.8	7.7*	3.6	5.9*	3.5	5.7*	7.6
		-5 ft lb	23,4*	23,4*	15,4	22,4*	10,3	16,7*			7,7	12,7*	24'11"
		-3.0 m t	12.0*	12.0*	7.2	8.9*	4.8	6.7*			4.2	5.7*	6.7
		-10 ft lb	25,9*	25,9*	15,6	19,3*	10,4	14,3*			9,3	12,5*	21'11"
		-4.5 m t	8.2*	8.2*	6.2*	6.2*					5.1*	5.1*	5.2
		-15 ft lb	17,3*	17,3*	13,0*	13,0*					11,2*	11,2*	16'10"

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

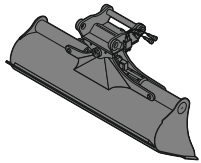
The load values are quoted in tons (t) / lb x 1,000 at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 800 mm / 31" wide track pads. Indicated loads are based on ISO 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 280 kg / 620 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.

Available Attachments



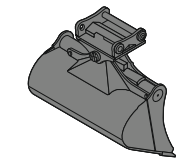
Rigid Ditch Cleaning Bucket

GRL 90, for direct mounting									
Cutting width	mm/in	1,500/59"	2,000/79"	2,010/79"	2,400/95"				
Capacity	m³/yd³	0.50/0.65	0.70/0.92	0.85/1.11	0.85/1.11				
Weight	kg/lb	400/880	500/1,100	530/1,170	580/1,280				
GRL 90, for mounting to quick coupler SWA 48									
Cutting width	mm/in	1,500/59"	1,500/59"	2,000/79"	2,000/79"	2,000/79"	2,400/95"	2,400/95"	
Capacity	m³/yd³	0.50/0.65	0.95/1.24	0.70/0.92	1.20/1.57	1.25/1.63	0.85/1.11	1.15/1.50	
Weight	kg/lb	430/950	560/1,240	400/880	640/1,410	600/1,320	600/1,320	650/1,430	



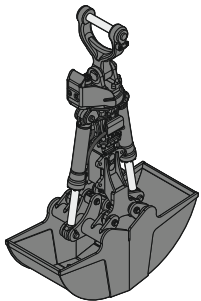
Tilttable Ditch Cleaning Bucket

GRL 90, 2 x 50° tilttable, for direct mounting									
Cutting width	mm/in	1,600/63"	2,000/79"	2,000/79"	2,000/79"	2,200/87"	2,400/95"	2,800/110"	
Capacity	m³/yd³	0.80/1.05	0.50/0.65	0.70/0.92	1.00/1.31	1.15/1.50	0.85/1.11	1.45/1.90	
Weight	kg/lb	798/1,760	686/1,510	819/1,810	883/1,950	920/2,030	885/1,950	1,009/2,220	
GRL 90, 2 x 50° tilttable, for mounting to quick coupler SWA 48									
Cutting width	mm/in	1,600/63"	2,000/79"	2,000/79"	2,000/79"	2,200/87"	2,200/87"	2,400/95"	2,400/95"
Capacity	m³/yd³	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
Weight	kg/lb	850/1,870	690/1,520	880/1,940	940/2,070	880/1,940	980/2,160	1,000/2,210	890/1,960



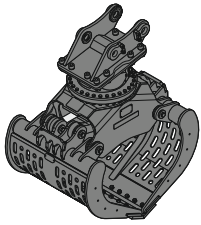
Tilt Bucket

SL 90, 2 x 50° tilttable, for direct mounting									
Cutting width	mm/in	1,600/63"	1,600/63"	1,600/63"					
Capacity	m³/yd³	0.80/1.05	1.00/1.31	1.35/1.77					
Weight	kg/lb	768/1,690	820/1,810	918/2,020					
SL 90, 2 x 50° tilttable, for mounting to quick coupler SWA 48									
Cutting width	mm/in	1,500/59"	1,600/63"	1,600/63"	1,600/63"	1,600/63"	1,600/63"	1,600/63"	1,600/63"
Capacity	m³/yd³	1.20/1.57	0.80/1.05	1.00/1.31	1.35/1.77	1.55/2.03	0.80/1.05	1.00/1.31	1.35/1.77
Weight	kg/lb	970/2,140	820/1,810	890/1,960	970/2,140	1,035/2,280	820/1,810	1,006/2,220	1,184/2,610
HD-version							X	X	X



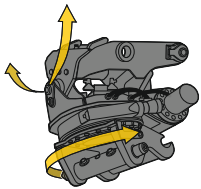
Clamshells

GMZ 24, earthmoving shell, for mounting to quick coupler SWA 48									
Cutting width	mm/in	600/24"			800/31"			1,000/39"	
Capacity	m³/yd³	0.34/0.44			0.46/0.60			0.60/0.78	
Weight	kg/lb	890/1,960			970/2,140			1,040/2,290	



Sorting Grab

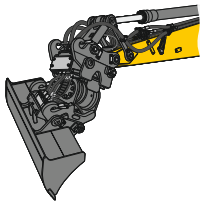
		ribbed		perforated		stone tong
SG 30, for direct mounting						
Cutting width	mm/in	800/31"	1,000/39"	800/31"	1,000/39"	800/31"
Capacity	m³/yd³	0.50/0.65	0.65/0.85	0.55/0.72	0.75/0.98	0.55/0.72
Weight	kg/lb	1,100/2,430	1,180/2,600	1,050/2,320	1,100/2,430	1,240/2,730



Tiltrotator

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

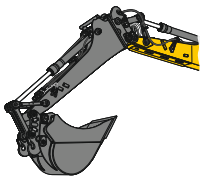
Weight	kg/lb	720/1,590
Rotation		360°
Tilt		2 x 50°



LiTiU

2 x 45° R, for mounting to quick coupler SWA 48

Weight	kg/lb	740/1,630
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Stick Extension

LS 12, for mounting to quick coupler SWA 48

Length	m/ft in	2.25/7'5"	2.70/8'10"
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LS 18, for mounting to quick coupler SWA 48

Length	m/ft in	2.65/8'8"	3.05/10'
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