

Experience the progress R 934

Safety

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

2 Equipment

- Large choice of sticks
- Safety check valves for hoist and stick cylinders
- Guaranteed maintenance thanks to automatic centralized lubrication system (option)

3 Maintenance

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

(4) Comfort

- Spacious, air-conditioned work space
- Pneumatic seat with vertical and horizontal suspension
- Easy-to-use high resolution 9" color touchscreen
- Seat belt 3", orange color
- LED lighting as standard

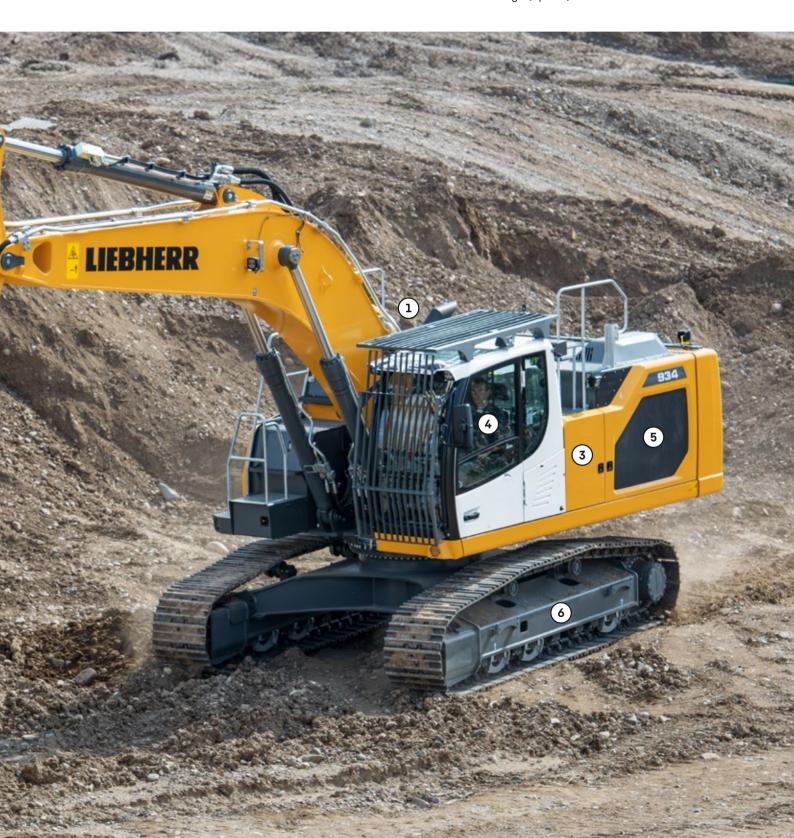


5 Engine

- Liebherr engine that conforms with the US EPA Tier 4 Final exhaust emissions standard
- Automatic engine idling and engine stop

6 Undercarriage

- Robust, reliable X-frame undercarriage, easy to secure thanks to its integrated eyelets
- Easy maintenance
- Maintenance-free track chains and track rollers with lifetime lubrication
- Extra storage (option)



Technical data



•	
Rating	
per SAE J1349	268 HP (200 kW) at 1,800 rpm
per ISO 9249	272 HP (200 kW) at 1,800 rpm
Torque	1,415 Nm at 1,350 rpm / 1,044 lbf ft at 1,350 rpm
Model	Liebherr D944 A7-24
Туре	4 cylinder in-line
Bore	130 mm / 5.1 in
Stroke	150 mm / 5.9 in
Displacement	8.01 / 488 in ³
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	7291 / 193 gal
Urea tank	901 / 24 gal
Electrical system	
Voltage	24V
Batteries	2 x 135 Ah / 12 V
Alternator	Three-phase current 28 V / 140 A
Engine idling	Sensor controlled



$\stackrel{\bigcap}{ riangle}$ 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	Positive Control hydraulic system. Demand-based, double inde- pendent pump flows Features high system dynamics and sensitivity provided by inte- grated 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	2051/min. / 54 gpm
Max. pressure	400 bar / 5,802 psi
Pump management	Electronic management synchronous to the control block
Hydraulic tank	2391 / 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



\bigcirc Swing drive

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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)



Oab	
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 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 adjust- ment, 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 _{DA} (inside cab)
2000/14/EC	105 dB(A) = L _{WA} (surround noise)

Undercarriage

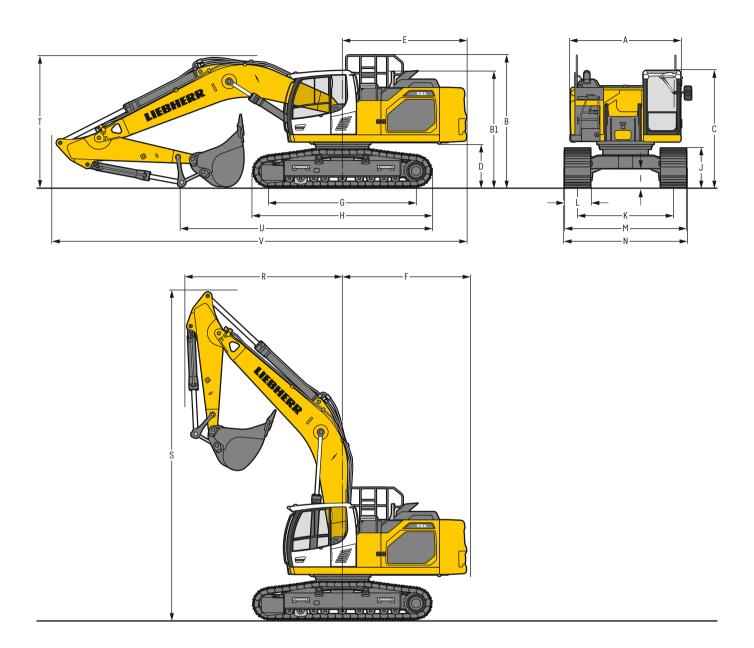
LC	Gauge 2,590 mm / 8'6"					
Drive	Liebherr swashplate motor with brake valves on both sides					
Transmission	Liebherr planetary reduction gear					
Maximum travel speed	3.3 km/h / 2.1 mph low range					
	5.4 km/h / 3.4 mph high range					
Drawbar pull on crawler	325kN / 73,060 lbf					
Track components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

Combination of resistant steel plates and cast steel components
Liebherr cylinders with seal and guidance systems
Sealed, low maintenance
Liebherr central lubrication system
Pipes and hoses equipped with SAE split-flange connections
Standard equipped with Liebherr tooth system

Dimensions



		LC			mm/ft in
Α	Uppercarriage width				2,990 ²)/ 9'10" ²)
В	Uppercarriage height				3,570 /11' 9"
B1	Uppercarriage height (handrails folded)				3,130 / 10' 3"
С	Cab height				3,150 / 10' 4"
D	Counterweight ground clearance				1,175 / 3'10"
E	Rear-end length				3,075 / 10' 1"
F	Tail swing radius				3,200 /10' 6"
G	Wheelbase				3,990 /13' 1"
Н	Undercarriage length				4,840 /15'11"
1	Undercarriage ground clearance				505 / 1' 8"
J	Track height				1,055 / 3' 6"
K	Track gauge				2,590 / 8' 6"
L	Track pad width	600/ 24"	700/ 28"	800 / 31"	900 / 35"
М	Width over tracks	3,190/ 10' 6"	3,290/ 10'10"	3,390 / 11' 1"	3,490 /11' 5"
N	Width over steps	3,190/ 10' 6"	3,190/10' 6"	3,3901)/11' 1"1)	3,3901)/11' 1"1)

¹⁾ width with removable steps 2) without door stop device and spacer

		Stick length	Mono boom 6.45 m/21'2" direct mounting mm/ft in
R	Front swing radius	III/ ICIII	4.250/ 13'11"
S	Height with boom up		8,900/ 29' 2"
T	Boom height	2.60/ 8'6"	3,550/11' 8"
		2.90/ 9'6"	3,700/ 12' 2"
		3.25/ 10'8"	3,700/ 12' 2"
		3.95/ 13'	3,400/11' 2"
U	Length on ground	2.60/ 8'6"	6,800/22' 4"
		2.90/ 9'6"	6,400/21'
		3.25/ 10'8"	5,850/19' 2"
		3.95/ 13'	7,850/ 25' 9"
٧	Overall length		11,200/36' 9"
	Bucket		1.75 m ³ / 2.29 yd ³

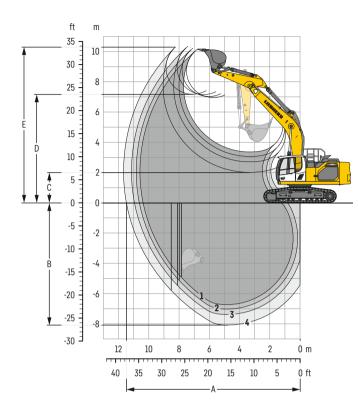
Transport dimensions

removable elements disassembled

		Mono boom	6.45 m/	21'2"			
		mm/ft in					
Pad width		600/	24"	700/ 28"	800/ 3	31" 900,	/ 35"
Transport width		3,190/ 1	0' 6"	3,290/10'10"	3,390/11'	1" 3,490	/11' 5"
	Stick						
	m/ft in			m	nm/ ft in		
Transport length		11,200/ 36'9"					
Transport height	2.60/ 8'6"	3,550/11'8"					
	2.90/ 9'6"			3,	700/ 12'2"		
	3.25/ 10'8"			3,	700/ 12'2"		
	3.95/ 13'			3,	400/ 11'2"		
Bucket				1.75	m ³ / 2.29 yd ³		

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	10.37/34'	10.63/34'11"	10.94/35'11"	11.48/37'8"
B Max. digging depth	m/ft in	6.73/ 22' 1"	7.03/ 23' 1"	7.38/24' 3"	8.08/26'6"
C Min. dumping height	m/ft in	3.36/11'	3.06/ 10'	2.71/ 8'11"	2.01/ 6'7"
D Max. dumping height	m/ft in	6.95/22'10"	7.02/ 23'	7.15/ 23' 5"	7.17/23'6"
E Max. cutting height	m/ft in	10.15/33' 3"	10.21/33' 6"	10.34/33'11"	10.28/33'9"

Forces

without quick coupler		1	2	3	4
Stick digging force (ISO 6015)	kN/ lbf	206/46,310	193/43,390	179/40,240	156/35,070
Bucket digging force (ISO 6015)	kN/lbf	223/50,130	223/50,130	223/50,130	223/50,130
Stick digging force (SAE J1179)	kN/ lbf	196/44,060	183/41,140	171/38,440	150/33,720
Bucket digging force (SAE J1179)	kN/lbf	197/44,290	197/ 44,290	197/ 44,290	197/44,290

Operating weight and ground pressure

The operating weight includes the basic machine with counterweight 5.9t/13,010 lb, mono boom $6.45 \, \text{m}/21'2''$, stick $3.25 \, \text{m}/10'8''$ and bucket $1.75 \, \text{m}^3/2.29 \, \text{yd}^3$ (1,630 kg/3,590 lb).

Undercarriage			L	C	
Pad width	mm/in	600/24"	700/28"	800/31"	900/35"
Weight	kg/ lb	34,600 / 76,280	34,950/ 77,050	35,300/77,820	35,650/78,600
Ground pressure	kg/cm ² /psi	0.67 / 9.5	0.58/8.2	0.52/7.4	0.46/6.5

The operating weight includes the basic machine with counterweight 7.11/15,650 lb, mono boom $6.45\,\text{m}/21'2''$, stick $3.25\,\text{m}/10'8''$ and bucket $1.75\,\text{m}^3/2.29\,\text{yd}^3$ (1,630 kg/3,590 lb).

Undercarriage			L	С	
Pad width	mm/in	600/24"	700/ 28"	800/31"	900/35"
Weight	kg/ lb	35,800 / 78,930	36,150/ 79,700	36,500/ 80,470	36,850/ 81,240
Ground pressure	ka/cm ² /psi	0.69 / 9.8	0.60/8.5	0.54 / 7.7	0.48 / 6.8

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

	Cutting width		_	_				LC under (with track pad				
	tting	Capacity ISO 7451	Weight ³⁾	Weight ⁴⁾				Stick lengt	h (m/ft in)			
	ප mm	m₃ ≅ ⊠	X kg	≱ kg	2.60	without qu 2.90	ick coupler 3.25	3.95	2.60	with quic 2.90	k coupler 3.25	3.95
	ft in	yd ³	lb	lb	8'6"	9'6"	10'8"	13'	8'6"	9'6"	10'8"	13'
with	n counter	rweiaht 5	5.9t/ 13,0)10lb								
	1,200	1.25	1,420	1,380	A	A	A	A	A	A	A	
	3'11" 1,350	1.63 1.50	3,130 1,530	3,040 1,490								
	4'5"	1.96	3,370	3,290	A	A	A	A	A	A	•	
	1,500 4'11"	1.75 2.29	1,630 3,590	1,590 3,510	•	•	A	Δ	•	A		Δ
_	1,600	1.90	1,700	1,660	A	A	-	Δ	A		Δ	-
STD1)	5'3" 1,650	2.48 2.00	3,750 1,730	3,660 1,690							Δ	
	5'5" 1,600	2.62 2.15	3,810 1,770	3,730 1,730		-	Δ	Δ	_	Δ	Δ	_
	5'3"	2.81	3,900	3,810	-	Δ	Δ	-	Δ	Δ	Δ	-
	1,650 5'5"	2.25 2.94	1,810 3,990	1,770 3,900	Δ	Δ	Δ	-	Δ	Δ	-	-
	1,800	2.50	1,900	1,860	Δ	Δ	-	-	Δ	-	-	-
	5'11" 1,200	3.27 1.25	4,190 1,510	4,100 1,470								
	3'11" 1,350	1.63 1.50	3,330 1,620	3,240 1,580	A	A	A	A	A	A	A	
	4'5"	1.96	3,570	3,480	A	A			A	A		
	1,500 4'11"	1.75 2.29	1,730 3,810	1,690 3,730	•	•		Δ		A		Δ
P ₂	1,600	1.90	1,800	1,760	A		Δ	Δ	A	-	Δ	-
Ξ.	5'3" 1,650	2.48 2.00	3,970 1,830	3,880 1,790								
	5'5"	2.62	4,030	3,950	A		Δ	-		Δ	Δ	-
	1,600 5'3"	2.15 2.81	1,870 4,120	1,830 4,030	-	Δ	Δ	-	Δ	Δ	-	-
	1,800 5'11"	2.25 2.94	1,910 4,210	1,870 4,120	Δ	Δ	Δ	-	Δ	Δ	-	-
WITI	1,500	rweight / 1.75	1,630	1,590			_				_	_
	4'11"	2.29	3,590	3,510	A	A	•		A	A		
	1,600 5'3"	1.90 2.48	1,700 3,750	1,660 3,660	A				A			Δ
	1,650 5'5"	2.00 2.62	1,730 3,810	1,690	•			Δ	•	A		Δ
STD1)	1,600	2.15	1,770	3,730 1,730				Δ	A		Δ	Δ
	5'3" 1,650	2.81 2.25	3,900 1,810	3,810 1,770								
	5'5"	2.94	3,990	3,900	A		Δ	Δ	A		Δ	-
	1,800 5'11"	2.50 3.27	1,900 4,190	1,860 4,100	-	Δ	Δ	-	Δ	Δ	Δ	-
	1,350 4'5"	1.50 1.96	1,620 3,570	1,580 3,480	A	A	A	A	A	A	A	
	1,500	1.75	1,730	1,690	A	•		A	A	A		
	4'11" 1,600	2.29 1.90	3,810 1,800	3,730 1,760		_	_		_		_	
	5'3"	2.48	3,970	3,880	A		A				A	Δ
HD ²⁾	1,650 5'5"	2.00 2.62	1,830 4,030	1,790 3,950				Δ				Δ
	1,600	2.15	1,870	1,830	A	A	-	Δ	A		Δ	Δ
	5'3" 1,650	2.81 2.25	4,120 1,910		A	-	Δ	Δ		-	Δ	-
	5'5" 1,800	2.94 2.50	4,210 2,000									_
	5'11"	3.27		4,320		Δ	Δ	-	Δ	Δ	Δ	-

^{*} 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 50

2) HD bucket with 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

Lift capacities

with mono boom 6.45 m / 21'2", counterweight 5.9 t / 13,010 lb and track pads 800 mm / 31"

Sti	ck 2	.60	0 m	/8'6	5"										St	ck 2	.90) m /	9'6	,										
	1 4			.0 m . 0 ft		5 m 5 ft		0 m 0 ft		5 m 5 ft	9.0 m 30 ft			Þ		; [<i>A</i>		3.0 10			5 m 5 ft) m) ft		5 m 5 ft) m) ft	؍ ا	<u></u>	Þ
Under- carriage	Î.			P	1:	P	4	· ·	2	P	- P	1	P	 m	Under-	<u>.</u> 18			P	1:	₽	20	π -	2	π -	30	- P		- F	 m
Car			-5) <u>P</u>	-50	빤	-5		-50	반	<u></u> \$0 🖰) 🖺	ft in	<u> </u>			-5)		-5)	반	-5	반	-5)		-5)		-4	반	ft in
	7.5 m						9.1	9.2*				7.1	9.1*	6.9		7.5 m												6.6	8.6*	7.2
	25 ft						19,8	20,3*				16,2	20,1*	22'5"		25 ft												15,1	19,0*	23'6"
	6.0 m						8.8	9.8*	6.1	8.9*		5.6	8.4	7.9		6.0 m						8.9	9.3*	6.2	8.6*			5.3	8.0	8.2
	20 ft						19,2	21,2*	13,3	19,6*		12,6	19,1	25'8"		20ft						19,4	20,3*		18,8*			12,0	18,1	26'7"
	4.5 m				12.8	14.0*	8.3	10.9*	5.9	9.0		4.8	7.3	8.5		4.5 m				13.0	13.4*	8.4	10.5*	5.9	9.0			4.6	7.0	8.7
	15ft 3.0 m				28,0 11.4	30,1* 16.9*	18,1 7.7	23,6* 12.2*	12,9 5.6	19,6 8.7		10,8	16,5 6.8	27'10" 8.8		15ft 3.0 m				28,4 11.6	28,7* 16.3*	18,3 7.8	22,7* 11.8*	12,9 5.6	19,7 8.7	4.2	6.5	10,3 4.2	15,7 6.5	28'7" 9.0
	10ft				25,0	36,3*	16,9	26,3*	12,3	18,9		9,9	15,2	28'10"		10ft				25,4	35,0*	17,0	25,6*	12,3	19,0	4.2	0.0	9,5	14,6	29'7"
	1.5 m				10.7	16.5*	7.2	11.7	5.3	8.4		4.3	6.6	8.8		1.5 m				10.7	18.0*	7.3	11.7	5.3	8.4	4.1	6.4	4.1	6.3	9.0
	5ft				23,4	39,5*	15,8	25,5	11,7	18,3		9,6	14,8	28'11"		5ft				23,5	38,9*	15,9	25,6	11,7	18,3	7.1	0.4	9,1	14,2	29'8"
2	0 m	t			10.5	18.0*	7.0	11.4	5.2	8.2		4.4	6.8	8.6	2	0 m	t			10.4	18.1*	7.0	11.4	5.1	8.2			4.1	6.5	8.8
	0ft	lb			22,9	39,1*	15,3	24,9	11,3	17,9		9,7	15,2	28'1"		Oft	lb			22,8	39,2*	15,2	24,8	11,3	17,8			9,3	14,5	28'11"
	-1.5m	n t	15.0*	15.0*	10.5	16.9*	6.9	11.3	5.2	8.2		4.7	7.4	8.0		-1.5 m	t	15.0*	15.0*	10.4	17.2*	6.9	11.3	5.1	8.1			4.5	7.0	8.3
	-5ft	lb	34,01	* 34,0*	23,0	36,6*	15,2	24,7	11,3	17,9		10,6	16,7	26'4"		-5ft	lb	34,0*	34,0*	22,7	37,3*	15,0	24,6	11,1	17,7			10,0	15,8	27'2"
	-3.0 m	n t	18.4*	18.4*	10.8	14.8*	7.1	11.5				5.6	8.9	7.1		-3.0 m	t	19.7*	19.7*	10.6	15.3*	6.9	11.4					5.2	8.3	7.5
			40,01	* 40,0*	23,5	32,0*	15,4	24,8*				12,7	20,1	23'4"					42,9*	23,1	33,2*	15,2	24,8					11,8	18,7	24'4"
	-4.5 m				11.1*	11.1*						7.9	8.6*	5.7					15.0*	11.0	12.0*	7.3	9.0*					7.1	8.7*	6.1
	-15ft				23,6*	23,6*						18,1	18,8*	18'7"				32,2*	32,2*	24,1	25,6*							16,2	19,0*	19'10"
	-6.0 m															-6.0 m														
	-20ft	lb	J						ļ			ı				-20 ft	lb					ļ						l		
Sti	ck 3	.25	5 m	/10'	8"										St	ck 3	.95	5 m /	'13'											

Sti	ck 3.	25	5 m /	10'	8"										
9	[D) m) ft	4.5 15	im ift) m) ft		im ift	9.0 30		0	<u></u>	늄
Under- carriage	•		-	Ŀ	- <u>4</u>	Ŀ	-£)		-5	Ė	⊶ 5)	Ġ	- 4	Ď	m ft in
	7.5 m 25 ft	t lb							6.3	8.0*			6.1 13,9	8.1* 17,8*	7.6 24'10"
	6.0 m 20 ft	t lb							6.2 13,5	8.1* 17,8 *			4.9 11,1	7.5 16,9	8.5 27'10"
	4.5 m 15 ft	t lb			12.5* 26,9 *	12.5* 26,9 *	8.4 18,4	10.0* 21,7 *	5.9 12,9	8.7* 18,9 *	4.4	6.7	4.3 9,7	6.6 14,8	9.1 29'8"
	3.0 m 10 ft	t lb			11.8 25,8	15.5* 33,3*	7.8 17,0	11.4* 24,7 *	5.6 12,2	8.7 19,0	4.2 9,2	6.5 14,2	4.0 8,9	6.1 13,7	9.3 30'7"
	1.5 m 5 ft	t lb			10.8 23,6	17.5* 37.9 *	7.2 15,8	11.7 25,6	5.3 11,6	8.3 18,2	4.1 8,8	6.3 13,8	3.8 8,5	6.0 13,4	9.4 30'8"
2	0 m 0 ft	t lb	16,7*	16,7*	10.3 22,6	18.0* 39.1 *	6.9 15,1	11.3 24,7	5.1 11,1	8.1 17,7	3.9	6.2	3.9 8,6	6.1 13,6	9.1 30'
	-1.5 m	t lb	14.5*	14.5*	10.3 22,4	17.4* 37.7 *	6.7 14,8	11.2 24,3	5.0 10,9	8.0 17,5			4.1 9,3	6.6 14,7	8.6 28'4"
		t	21.1*	21.1* 45,8*	10.4 22,7	15.8* 34,2 *	6.8 14,9	11.2 24,5	5.0 11,1	8.1 17,6			4.8 10,8	7.6 17,1	7.8 25'7"
	-4.5 m -15ft	t	16.6*	16.6* 35,8 *	10.8 23,5	12.9* 27,6 *	7.1 15,5	9.8* 20,8 *	,	,-			6.3 14,2	8.6* 18,8 *	6.6 21'4"
	-6.0 m		,0	,0	,	,0	,	,					,-	,	

9	[A		3.0 10) m I ft	4.5 15		6.0 20	ft	7.5 25	im ift	9.0 30		0	~ <u>c</u>	늘
Under- carriage			 □	Ŀ			 □		 □	Ŀ	- _		 ₽	B	m ft in
	7.5 m 25 ft	t lb							6.4 14,0	7.1* 15,6*			5.4 12,2	6.4* 14,1 *	8.3 26'11"
	6.0 m 20 ft	t lb							6.3 13,7	7.3* 16,0*	4.5	6.7*	4.4 10,0	6.3* 13,9 *	9.1 29'8"
	4.5 m 15 ft	t lb					8.6 18,8	9.0* 19,5 *	6.0 13,1	7.9* 17,3 *	4.4 9,5	6.7 14,6	3.9 8,7	6.0 13,4	9.6 31'5"
	3.0 m 10 ft	t lb	14.0* 35,7 *	14.0* 35,7 *	12.3 26,8	13.9* 29,9 *	7.9 17,3	10.5* 22,7 *	5.6 12,3	8.7 19,0 *	4.2 9,1	6.5 14,2	3.6 8,0	5.6 12,5	9.9 32'4"
	1.5 m	t	7.0*	7.0*	11.0	16.4*	7.3	11.8	5.3	8.3	4.0	6.3	3.4	5.4	9.9
2	5ft	lb	16,5*	16,5*	24,0	35,5*	15,9	25,7*	11,5	18,2	8,7	13,7	7,7	12,1	32'5"
	0 m	t	9.9*	9.9*	10.3	17.6*	6.8	11.3	5.0	8.0	3.8	6.1	3.4	5.5	9.7
	0ft	lb	22,4*	22,4*	22,4	38,2*	14,9	24,6	10,9	17,5	8,3	13,3	7,7	12,3	31'8"
	-1.5 m	t	14.5*	14.5*	10.0	17.6*	6.6	11.0	4.8	7.8	3.7	6.0	3.6	5.8	9.2
	-5ft	lb	32,7*	32,7*	21,9	38,2*	14,4	24,0	10,5	17,1	8,2	13,2	8,1	13,1	30'2"
	-3.0 m	t	20.4*	20.4*	10.1	16.5*	6.5	11.0	4.8	7.8			4.1	6.6	8.4
	-10ft	lb	44,3	46,0*	21,9	35,8*	14,3	23,9	10,5	17,1			9,2	14,9	27'7"
	-4.5 m	t	19.5*	19.5*	10.3	14.3*	6.7	10.9*					5.1	8.3	7.3
	-15ft	lb	42,0*	42,0*	22,5	30,8*	14,7	23,3*					11,6	18,6*	23'10"
	-6.0 m	t			10.2*	10.2*							8.0	8.1*	5.5
	-20ft	lb			21,3*	21,3*							17,7*	17,7*	17'8"

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

The load values are quoted in tons (t)/**lb x1,000** 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 485 kg/1,070 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 can be from load lift from load lift chart displayed in the operator's can be from load lift of the operator's manual supplied with the machine.

Lift capacities

with mono boom 6.45 m / 21'2", counterweight 7.1 t / 15,650 lb and track pads 800 mm / 31"

Sti	ck 2.	60	m/	8'6											Sti	ck 2.	90) m /	9'6											
. es] A		3.0 10			ōm ift		0 m 0 ft		5m 5ft	9.0 m 30 ft	0	<u></u>	b	. 8	Î		3.0 10		4.5 15			om Oft		im ift	9.0 30		0	<u> </u>	b
Under- carriage			- 5)	ď	-47	ď	-5		-4	ď			Ď	m ft in	Under- carriage				占	5)	占		ď		ď	-5	Ď		ď	m ft in
	7.5 m	t					9.2*					7.8	9.1*	6.9		7.5 m												7.3	8.6*	7.2
		lb					20,3*					17,8	20,1*	22'5"		25 ft												16,6	19,0*	23'6"
	6.0 m	t					9.7	9.8*	6.8	8.9*		6.2	8.8*	7.9		6.0 m						9.3*	9.3*	6.8	8.6*			5.9	8.4*	8.2
	20ft	lD			7/0*	7/0*	21,1	21,2*	14,7	19,6*		14,0	19,5*	25'8"		20ft				77 /#	77 /*	20,3*	20,3*	14,8	18,8*			13,2	18,6* 7.7	26'7"
	4.5 m 15 ft	I I			14.0* 30,1 *	14.0*	9.2 20,0	10.9*	6.5 14.3	9.3*		5.4 12,0	8.0 18.0	8.5 27'10"		4.5 m 15 ft					13.4* 28,7 *	9.2 20,1	10.5*	6.6 14,3	9.1*			5.1		8.7 28'7"
	3.0 m	+			12.7	30,1* 16.9*	8.6	23,6* 12.2*	6.3	20,3* 9.5		5.0	7.5	8.8		3.0 m				28,7* 12.9	16.3*	8.6	22,7* 11.8*	6.3	19,7* 9.5	4.8	7.2	11,5	17,2 7.1	9.0
		lb			27,8	36,3*	18,7	26,3*	13,6	20,7		11,1	16,7	28'10"		10ft				28,2	35,0*	18,8	25,6*	13,7	20,7	4.0	1.2	10,6	16,0	29'7"
	1.5 m	t			12.0	16.5*	8.1	12.8	6.0	9.2		4.8	7.3	8.8		1.5 m				12.0	18.0*	8.1	12.8	6.0	9.2	4.6	7.0	4.6	7.0	9.0
		lb			26,1	39,5*	17,7	27,9	13,1	20,1		10,7	16,3	28'11"		5ft	lb			26,2	38,9*	17,7	28,0*	13,1	20,1	4.0	7.0	10,3	15,6	29'8"
2	0 m	t			11.8	18.0*	7.8	12.5	5.8	9.0		4.9	7.5	8.6	2	0 m	t			11.7	18.1*	7.8	12.5	5.8	9.0			4.7	7.2	8.8
	Oft	lb			25,6	39,1*	17,1	27,3	12,7	19,7		11,0	16,8	28'1"		Oft	lb			25,5	39,2*	17,1	27,2	12,7	19,6			10,4	16,0	28'11"
	-1.5 m	t :	15.0*	15.0*	11.8	16.9*	7.8	12.5	5.8	9.0		5.3	8.2	8.0		-1.5 m	t	15.0*	15.0*	11.7	17.2*	7.7	12.4	5.7	8.9			5.0	7.8	8.3
	-5ft	lb 3	34,0*	34,0*	25,7	36,6*	17,0	27,1	12,7	19,6		11,9	18,3	26'4"		-5ft	lb	34,0*	34,0*	25,5	37,3*	16,9	27,0	12,5	19,5			11,3	17,4	27'2"
	-3.0 m	t :	18.4*	18.4*	12.0	14.8*	7.9	11.5*				6.3	9.2*	7.1		-3.0 m	t	19.7*	19.7*	11.9	15.3*	7.8	11.8*					5.9	9.1*	7.5
	-10ft	lb 4	40,0*	40,0*	26,2	32,0*	17,3	24,8*				14,2	20,3*	23'4"		-10ft	lb	42,9*	42,9*	25,9	33,2*	17,1	25,6*					13,2	20,0*	24'4"
	-4.5 m	t			11.1*	11.1*						8.6*	8.6*	5.7		-4.5 m	t	15.0*	15.0*	12.0*	12.0*	8.1	9.0*					7.9	8.7*	6.1
	-15ft				23,6*	23,6*						18,8*	18,8*	18'7"				32,2*	32,2*	25,6*	25,6*							18,1	19,0*	19'10"
	-6.0 m	- 1										ļ				-6.0 m														
	-20ft	lb										l				-20ft	lb													

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er-	120		10	π	15	ift P	20)ft □	25	π	30	π.	*	٦	 m
Under- carriage			-	밤	⊶ 5	峼	-5)	빰	⊶5	빤	⊶	빤		밥	ft in
	7.5 m	t							6.9	8.0*			6.7	8.1*	7.6
	25 ft	lb											15,3	17,8*	24'10"
	6.0 m	t							6.8	8.1*			5.5	7.9*	8.5
	20 ft	lb							14,9	17,8*			12,4	17,5*	27'10"
	4.5 m	t			12.5*	12.5*	9.3	10.0*	6.6	8.7*	4.9	7.3	4.8	7.2	9.1
	15ft	lb			26,9*	26,9*	20,3	21,7*	14,3	18,9*			10,8	16,2	29'8"
	3.0 m	t			13.1	15.5*	8.7	11.4*	6.2	9.4*	4.7	7.2	4.5	6.7	9.3
	10ft	lb			28,6	33,3*	18,9	24,7*	13,6	20,4*	10,3	15,6	10,0	15,1	30'7"
	1.5 m	t			12.0	17.5*	8.1	12.6*	5.9	9.2	4.6	7.0	4.3	6.6	9.4
2	5ft	lb			26,3	37,9*	17,7	27,2*	13,0	20,0	10,0	15,2	9,6	14,7	30'8"
_	0 m	t			11.6	18.0*	7.7	12.4	5.7	8.9	4.5	6.9	4.4	6.7	9.1
	0ft	lb	16,7*		25,3	39,1*	16,9	27,1	12,5	19,5			9,8	15,0	30'
		t	14.5*	14.5*	11.5	17.4*	7.6	12.3	5.6	8.8			4.7	7.2	8.6
		lb	32,9*	32,9*	25,1	37,7*	16,6	26,7	12,3	19,2			10,5	16,2	28'4"
	-3.0 m		21.1*	21.1*	11.7	15.8*	7.6	12.1*	5.7	8.9			5.4	8.4	7.8
	-10ft		45,8*	45,8*	25,4	34,2*	16,7	26,1*	12,4	19,4			12,1	18,8	25'7"
	-4.5 m		16.6*	16.6*	12.0	12.9*	7.9	9.8*					7.0	8.6*	6.6
	-15ft		35,8*	35,8*	26,2	27,6*	17,3	20,8*					15,9	18,8*	21'4"
	-6.0 m														
	-20ft	lb											l		

Stick 3.95 m / 13'

. ec	[A		3.0 10	ft	4.5 15	ft	6.0 20	ft		im ift	9.0 30	ft		<u>~</u> [눔
Under- carriage			⊶ ∰		- <u>4</u>	Ď	- <u>-</u>	Ė		Ė	-£)		- <u>-</u>	Ŀ	m ft in
	7.5 m	t							7.1*	7.1*			5.9	6.4*	8.3
	25ft	lb							15,4	15,6*		6.7*	13,4	14,1*	26'11"
	6.0 m 20 ft	t lb							6.9	7.3*	5.0	6.7	4.9	6.3*	9.1 29'8"
	20π 4.5 m	t t					9.0*	9.0*	15,1 6.6	16,0* 7.9*	/ 0	7.3*	11,1 4.3	13,9* 6.4*	9.6
	4.5 III	lb					19.5*	9.0* 19.5 *			4.9				9.0 31'5"
	3.0 m	t	14.0*	14.0*	13.5	13.9*	8.8	10.5*	14,5 6.3	17,3* 8.7*	10,6 4.7	16,0 7.1	9,8 4.0	14,2* 6.1	9.9
	3.0111 10ft	lb	35,7*	35,7*	29,5	29,9*	19,2	22,7*	13,7	19,0*	10,2	15,5	9,0	13,7	32'4"
	1.5 m	t	7.0*	7.0*	12.2	16.4*	8.1	11.9*	5.9	9.1	4.5	6.9	3.9	6.0	9.9
		lb	16.5*		!			25,7*							32'5"
2	5ft 0m	t	9.9*	16,5* 9.9*	26,7 11.5	35,5*	17,8	12.4	12,9 5.6	19,9 8.8	9,8 4.3	15,1 6.7	8,7 3.9	13,4 6.1	9.7
	0ft	lb			l	17.6*			I						
			22,4*	22,4*	25,2	38,2*	16,8	27,0	12,3	19,3	9,5	14,7	8,7	13,6	31'8"
	-1.5 m	t	14.5*	14.5*	11.3	17.6*	7.4	12.1	5.5	8.7	4.3	6.7	4.1	6.5	9.2
	-5ft	lb	32,7*	32,7*	24,6	38,2*	16,2	26,4	11,9	18,9	9,3	14,6	9,3	14,4	30'2"
	-3.0 m	t IL	20.4*	20.4*	11.3	16.5*	7.4	12.1	5.4	8.6			4.7	7.3	8.4
	-10ft	lb	46,0*	46,0*	24,7	35,8*	16,2	26,3	11,9	18,8			10,5	16,4	27'7"
	-4.5 m	t	19.5*	19.5*	11.6	14.3*	7.6	10.9*					5.8	8.4*	7.3
		lb	42,0*	42,0*	25,3	30,8*	16,5	23,3*					13,1	18,6*	23'10"
		t			10.2*	10.2*							8.1*	8.1*	5.5
	-20ft	lb			21,3*	21,3*			l				17,7*	17,7*	17'8"

Height Scan be slewed through 360° BIn 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 485 kg/1,070 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 can be from load lift from load lift chart displayed in the operator's can be from load lift of the operator's manual supplied with the machine.

Attachments



Rigid ditch cleaning bucket

GRL 05, for mounti	ng to quick coupler SWA 66	
Cutting width	mm/ft in 2,200/7'3"	2,400/ 7'10"
Capacity	m ³ / yd ³ 1.65/ 2.16	1.50/1.96
Weight	kg/ lb 546/ 1,200	930/ 2,050



Tiltable ditch cleaning bucket

GRL 100, 2 x 50° tilt	table, for mountin	ng to quick coupler S	WA 66				
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 / yd³	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	kg/ lb	1,375/3,030	1,520/3,350	1,595/3,520	1,660/3,660	1,475/3,250	1,610/3,550



Tilt bucket

SL 100, 2 x 50° tiltable, for mounting to quick coupler SWA 66						
Cutting width	mm/ft in	1,600/5'3"	1,600/5'3"	1,700/5'7"	1,800/5'11"	1,800/5'11"
Capacity	m ³ / yd³	1.45/ 1.90	1.75/ 2.29	1.85/2.42	1.60/2.09	1.60/2.09
Weight	kg/ lb	1,520/3,350	1,635/3,610	1,695/3,740	1,620/ 3,570	1,749/3,860
HD version						X



Clamshell grab

•	•			
GMZ 80, clamshell buckets, for mounting to quick coupler SWA 66				
Cutting width	mm/ft in	1,200/3'11"	1,400/ 4'7"	
Capacity	m³/ yd³	1.40/1.83	1.70/2.22	
Weight	kg/ lb	1,452/3,200	1,558/ 3,440	



Sorting grab ribbed perforated

SG 40, for mounting to quick coupler SWA 66					
Cutting 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 1.10/ 1.44	1.40/1.83	1.30/ 1.70	1.60/2.09	
Weight	kg/ lb 2,320/ 5,120	2,895/ 6,380	2,230/ 4,920	2,800/ 6,170	

Serial equipment



Undercarriage

Sprocket with dirt ejector

Track and carrier rollers, sealed and lifetime-lubricated



Uppercarriage

Access platforms without protruding parts

Anti-skid surfaces

Automatic swing brake lock

DEF tank filling indicator

DEF tank lockable access hatch

Engine hood with gas spring opening

Filters accessible from ground level

Hydraulic oil level, visible from ground level

Lockable service doors Lockable storage and accessories compartment

Lockable storage box

Main switch, accessible from ground level

Main switch, electric, with timer

Main switch, manual, lockable

Positioning swing brake manual

Protection grid on radiator fan

Safe uppercarriage side access platform

Sound insulation

Swing-out radiators

Windshield washer fluid tank, accessible from ground level



Hydraulic system

Dedicated swing circuit

Filter with integrated fine filters

Hydraulic pressure measuring ports

Liebherr Positive Control system with 2 independent circuits

Pressure accumulator for controlled lowering of equipment with engine turned off



Engine

Air filter with automatic dust ejector

Automatic engine idling/speed increase, controlled via joystick sensors

Common-Rail injection system

Engine oil dipstick

Exhaust gas after-treatment system - SCR

Fixed geometry turbocharger

Fuel fine filter

Fuel pre-filter and water separator

Fuel priming pump

Intercooler

Power Pack US EPA Tier 4 Final



9" multifunction color touchscreen

Air conditioning, automatic, tri-zone, controlled via display

Armrests adjustable in length, height and inclination

Bottle holder

Cab air filters housing, accessible from ground level

Cab door sliding windows

Cigarette lighter

Coat hook

DEF consumption on touchscreen

DFF level on touchscreen

Electric socket in cabin (12 V)

Electric socket in cabin (24V)

Emergency hammer

Engine coolant level, visible from the cab

Engine oil level on touchscreen

Fuel consumption on touchscreen

Fuel level on touchscreen

Hydraulic oil level on touchscreen

Interior lighting

Laminated right hand side window

LiDAT Plus (Liebherr data transfer system)

Mechanical hour meter, visible from ground level

Mobile phone storage net

Movement priority between swing and boom, adjustable via touchscreen

Movement priority for stick-in, adjustable via touchscreen

Operating modes

Power modes

Rain hood over front window opening

Rearview mirror

Rear view monitoring camera

Rear window emergency exit

Right hand side view monitoring camera

Roll-down sun blinds for windscreen and roof window

ROPS safety cab structure (ISO 12117-2)

Rubber floor mat, fixed on floor and removable Shortkey buttons on joystick configurable

Stepless adjustable engine speed

Storage box

Storage nets

Storage spaces

Swing braking torque adjustable via touchscreen

Swing drive gearbox oil level, visible from the cab

Tiltable console left

Tinted windows

Visco-elastic damping

Windscreen wiper and washer



Equipment

Anti-drift system boom cylinders Anti-drift system stick cylinder

Boom cylinders regeneration

Pipe fracture safety valve for stick cylinder

Pipe fracture safety valves for boom cylinders

Pivot points made of cast steel SAE split flanges on high pressure lines

Stick cylinder regeneration

Equipment standard / option

Undercarriage

	Chain guide 1 piece	•
	Chain guide 2 pieces	+
	Chain guide 3 pieces	+
	Chain guide 4 pieces	+
	Chain guide full length	+
	Cover and base plate for undercarriage center section	•
	Reinforced cover and base plate for undercarriage center section	+
	Special painting	+
	Steps	•
	Steps wide	+
	Track chains cleaner	+
	Track pads triple grouser 600 mm/24" / 700 mm/28" / 900 mm/35"	+
	Track pads triple grouser 800 mm/31"	•
	Tracks, sealed and greased	•
	Undercarriage LC	+
	Undercarriage storage compartment	+

Uppercarriage

- opportunge	
Batteries high capacity	+
Batteries standard capacity	•
Boxing ring	+
Catwalk tiltable front left	+
Centralized lubrication system (automatic)	•
Centralized lubrication system (manual)	+
Counterweight heavy 7.1t/ 15,650lb	+
Counterweight standard 5.9 t / 13,010 lb	•
Electric socket on uppercarriage (24V)	+
Extended tool set including tool box	+
External starting aid (24V)	+
Front right rearview mirror	+1)
Fuel anti-theft protection	+
Headlight on uppercarriage, front left, LED+, 1 piece, protection included	+1)
Headlight on uppercarriage, front right, LED, 1 piece, protection included	•1)
Headlight on uppercarriage, front right, LED+, 1 piece, protection included	+1)
Headlight on uppercarriage, lateral left, LED+, 1 piece	+1)
Headlight on uppercarriage, lateral right, LED+, 1 piece	+1)
Headlights on uppercarriage, rear, LED+, 2 pieces	+1)
Lighting for tank area	+1)
Lighting for uppercarriage access	+1)
Lockable fuel tank cap	•
Lockable fuel tank cap with padlock	+
Reflective warning stickers	+
Rotating beacons on uppercarriage, rear, LED, 2 pieces	+
Skyview 360°	+
Special painting	+
Tank refilling pump fuel	+
Tool set including storage case	•
Uppercarriage bottom and side protection	+
Uppercarriage bottom closure sheets	•

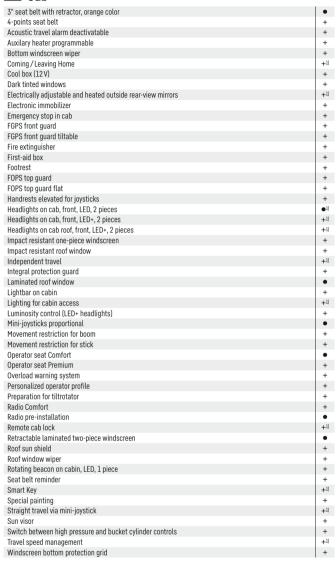
Hydraulic system

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

Engine

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

2 Cab





Equipment

- Edaibinour	
Boom bottom protection	+
Boom cylinders rod protection	+
Bucket cylinder rod protection	+
Centralized lubrication extended for connecting link	+
Floating boom	+
Grapple hydraulic lines (bucket cylinder inactive)	+
Headlight guard on boom, right	+
Headlight guards on boom, right and left	+
Headlight on boom, left, LED+, 1 piece	+1)
Headlight on boom, right, LED, 1 piece	●1J
Headlight on boom, right, LED+, 1 piece	+1)
Headlight on stick, bottom, LED+, 1 piece	+1)
Hose protection for Solidlink	+
Liebherr bucket range	+
Liebherr tooth system	+
Load holding valve for bucket cylinder	+
Lubrication hoses protection on stick	+
Mono boom 6.45 m / 21'2"	+
Quick coupler SWA 66 hydraulic	+
Quick coupler SWA 66 mechanical	+
Solidlink electric signal plug	+
Solidlink for quick coupler SWA 66 hydraulic	+
Special painting	+
Stick 2.60 m / 8'6"	+
Stick 2.90 m / 9'6"	+
Stick 3.25 m / 10'8"	+
Stick 3.95 m / 13'	+
Stick bottom protection	+
Tool Management	+



Assistance system

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

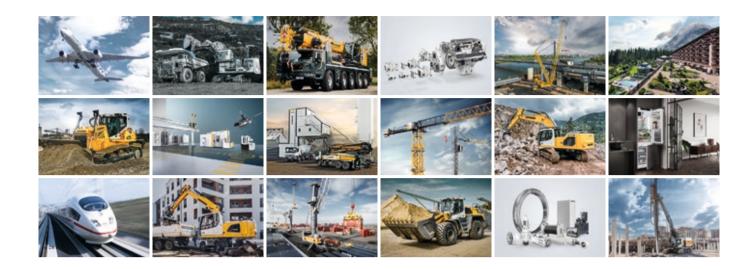
● = Standard, + = Option

Options and / or special equipment, supplied by vendors other than Liebherr, are only to be installed with the knowledge and approval of Liebherr in order to retain warranty.

¹⁾ Equipment not individually available, but only as predefined packages Non-exhaustive list, please contact us for further information.

All illustrations and data may differ from standard equipment. Subject to change without notice. All indicated loads are based in accordance with ISO 9248. Printed in the USA • RG-BK • LFR/SP-12243643-02.24_enUS

The Liebherr Group



Global and independent: more than 70 years of success

Liebherr was founded in 1949. With the development of the world's first mobile tower crane, Hans Liebherr laid the foundations of a successful family business which today comprises more than 140 companies on all continent and employs nearly 51,000 people. The parent company of the Group is Liebherr-International AG in Bulle (Switzerland), whose associates are exclusively members of the Liebherr family.

Technology leadership and pioneering spirit

Liebherr regards itself as a pioneer. This spirit has enabled the company to make a decisive contribution to the technological history of many industries. Today, employees around the world still share the courage of the company founder to take new paths. They are all united by a passion for technology and fascinating products and the determination to perform outstanding work for their customers.

Widely diversified product portfolio

Not only is Liebherr one of the biggest construction equipment manufacturers in the world, it also provides high-quality, user-oriented products and services in a wide range of other areas. The product portfolio includes the segments earthmoving, material handling technology, deep foundation machines, mining, mobile and crawler cranes, tower cranes, concrete technology, maritime cranes, aerospace and transportation systems, gear technology and automation systems, refrigeration and freezing, components and hotels.

Customized solutions and maximum customer benefit

Liebherr solutions are characterized by maximum precision, outstanding implementation and exceptional longevity. Its mastery of key technologies enables the company to offer its customers customized solutions. For Liebherr, customer focus does not end with the product; it also encompasses a wide range of services that make a real difference.

www.liebherr.us



Breathing diesel engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

- Always start and operate the engine in a well-ventilated area.
- If in an enclosed area, vent the exhaust to the outside.
- Do not modify or tamper with exhaust system.
- Do not idle the engine except as necessary.

For more information go to www.P65warnings.ca.gov/diesel.



This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm.

For more information go to www.P65warnings.ca.gov.

Liebherr USA, Co.

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