

R 920 Compact Litronic

LIEBHERR

Crawler excavator



Generation
8

Engine
148 HP / 110 kW
Tier 4 Final

Operating weight
20,630 kg / 45,480 lb

Bucket capacity
0.30–0.95 m³ /
0.39–1.24 yd³

Compact, versatile, connected

R 920 Compact

① Maintenance

- Servicing concept, with service points accessible from ground level
- Engine oil level and filling nozzle accessible from ground level

② Equipment

- Large choice of tools and teeth to suit all applications
- Longer lifespan of components and higher productivity thanks to automatic centralized lubrication system
- Safety check valves for hoist and stick cylinders
- Available height limitation, adjustable from the touchscreen

③ Safety

- Panoramic visibility with no obstructions and camera on the rear and the right side equipment for enhanced safety
- Liftable console for easy and safe access to cab
- ROPS-certified cab structure: rollover protection
- Emergency exit via the rear cab window
- Right window and windshield in laminated and tinted glass

④ Undercarriage

- Robust, reliable X-frame undercarriage, easy to secure thanks to its integrated eyelets
- Easy maintenance
- Several levelling blades available
- Optional rubber track pads for urban application
- Possibility to anchor the machine with the blade
- Maintenance-free travel gear and track rollers with lifetime lubrication
- Extra storage as an option

⑤ Compactness

- Short tail swing radius of 1,85 m / 6' 1" for increased safety and flexibility on work sites
- The perfect machine for narrow sites – ideal for urban applications and on motorways



⑥ Comfort

- Spacious, air-conditioned work space
- Airsprung seat with vertical and horizontal suspension
- Easy-to-use high resolution 10" color touchscreen
- 76 mm / 3" orange seat belt
- Groundbreaking, intuitive INTUSI human-machine interface

⑦ Engine

- US EPA Tier 4 Final engine with SCR system and diesel oxidation catalyst
- Automatic idle-stop

⑧ New technologies

- **Bucket Fill Assist (BFA)**
Automatic bucket-filling cycle for increased productivity, as standard with 500 machine hours included
- **Modetronic**
Customisable driving modes for optimized work cycles tailored to each type of application, as standard
- **Liebherr Connect**
Latest-generation telemetry system, as standard
- **MyLiebherr**
Series customer portal with numerous downloadable applications (subscription required)



Versatility and performance on site

A machine designed to do the job

Thanks to a perfectly balanced design and an extensive range of working attachments, Generation 8 Liebherr compact excavators can be used for a wide range of applications: earthmoving, road and utility services, municipal work, landscaping and light demolition. Their high degree of flexibility in terms of configuration ensures that each site can be optimized using a single machine.

Equipped with a wide range of booms, sticks and hydraulically operated attachments, they can be transformed into extremely versatile multi-purpose tool carriers. Result: optimized productivity and the ability for a single machine to replace several others on the site.



Performance that meets modern-day requirements

Designed to meet the growing productivity demands of modern job sites, Liebherr compact excavators combine powerful engines with optimized hydraulic performance to deliver fast, smooth and efficient working cycles.

Thanks to smooth combined movements and outstanding digging, travel and swing performance, they deliver consistently high productivity throughout the working day.



A response to the challenges of the compact market

When faced with increasingly complex job sites – greater urbanisation, restricted access and budgetary constraints – the compact excavators from Liebherr can handle any challenge with ease. Despite their compact size, they deliver high-level performance, perfectly suited to urban environments and confined spaces.

Designed to operate anywhere, even in the harshest conditions, they combine agility and power to maintain optimum efficiency. Result: rapid cycle times and optimized productivity on every site.



Operational efficiency and maximum productivity



Optimum dynamics for the job site

An excavator's effectiveness is measured by more than its specifications – it is defined by its ability to perform efficiently across a wide range of applications and job sites. Liebherr compact excavators are designed with an optimized working range that reduces the need for repositioning, helping operators work more efficiently.

Their reach and depth have been perfectly adapted to the challenges of the ground, facilitating loading operations while ensuring great precision. Result: fewer unnecessary movements, masterful execution and maximum productivity every day.

A machine that performs well in all conditions

Designed to deliver a high level of performance in all conditions, Liebherr compact excavators adapt to all types of ground. Their traction ensure safe movement, even on inclined surfaces or difficult terrain.

The optimized rotational torque makes all loading operations easier, while the load-bearing capacities meet the demands of even the most challenging applications. Result: constant and reliable productivity on all job sites.



Optimisation of the work cycles

The technologies incorporated in the Liebherr compact excavators make it possible to individually adapt the machine to user requirements and to optimize overall efficiency. The operating modes can be customized to tailor the performance for each application.

Energy optimisation plays a part in reducing fuel consumption for greater cost-effectiveness in day-to-day operations.

Reliability, availability and cost control

A design committed to sustainability

Designed for durability, Liebherr compact excavators tackle the challenges of even the most demanding sites. Their robust construction, together with components built to withstand heavy-duty use, guarantees outstanding reliability.

The blade has been engineered with an optimized profile and geometry to improve material clearance and grading performance. Manufactured from highly wear-resistant steel, it delivers exceptional durability while requiring virtually no maintenance. Proportional control via the mini-joystick or hand lever provides the precision needed for fine grading and accuracy-focused applications.



Simple maintenance for maximum availability

Productivity also goes hand in hand with maximum availability of the machine. Liebherr compact excavators are designed for ease of maintenance, with simple access to all maintenance points from the ground.

Fast and efficient maintenance operations help reduce downtime and optimize the period of operation. Result: more productive hours, less downtime and greater profitability every day.

Connectivity and intelligent machine management

Digital solutions from Liebherr can be used to manage and optimize the use of the machines in day-to-day operations. Thanks to the integrated telemetry, performance monitoring is simplified and all the data is accessible via a dedicated customer portal.

This transparency improves management of the fleet and helps optimize operating costs. Ready to integrate the support systems of the future, these machines perfectly embody a forward-looking approach.



The new emCAB operator's cab

The new operating system for a smarter job site

In today's construction industry, intuitive machine control is essential for maximising productivity and ease of use. INTUSI (Intuitive User Interface) integrates intelligent control logic with advanced machine learning capabilities, offering a highly customizable interface. This innovation significantly enhances operational efficiency and user comfort on the job site.



Ultra-ergonomic control with Liebherr joysticks

Central to the INTUSI experience are two joysticks designed and developed by Liebherr to the highest quality standards, ergonomically positioned on either side of the operator's seat. Designed for comfort at work, they offer a completely natural and very comfortable grip and reduce operator fatigue – even during extended shifts.

Intuitive operation thanks to uncluttered control units

A compact display to the right of the operator enables quick access to important functions. The optimized arrangement of the control elements on the right-hand console ensures intuitive operation and minimises fatigue. An operating system that adapts to your needs, not the other way around.



Technical data



Diesel engine

Rating	
per SAE J1349	148 HP (110 kW) at 1,800 rpm
per ISO 9249	150 HP (110 kW) at 1,800 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 / Stroke	104 / 132 mm / 4.1 / 5.2 in
Displacement	4.5 l / 275 in³
Engine operation	4-stroke diesel Common-Rail injection system Turbo-charged and after-cooler
Air cleaner	Dry-type air cleaner with pre-cleaner, primary and safety elements
Engine idling	Sensor controlled
Electrical system	
Voltage	24 V
Batteries	2 x 145 Ah / 12 V
Alternator	Three-phase current 28 V / 140 A
Tier 4 Final	
Harmful emissions values	In accordance with 40CFR1039 (EPA) / 13CCR (CARB)
Emission control	Liebherr DOC + SCR technology
Fuel tank	243 l / 64 gal
Urea tank	46 l / 12 gal



Cooling system

Diesel engine	Water-cooled Compact cooling system comprising cooling unit for water, hydraulic oil and charge air with stepless, thermostatically controlled fan, retractable thermostatic fan for radiator cleaning
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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	With electro-hydraulic pilot control and proportional joystick levers
Travel	Electro-proportional via foot pedal
Additional functions	Via switch or electro-proportional foot pedals
Proportional control	Proportionally acting transmitters on the joysticks for additional hydraulic functions



Hydraulic system

Hydraulic pump	Liebherr, variable displacement, swashplate pump
Max. flow	300 l/min. / 79 gpm
Max. pressure	350 bar / 5,076 psi
Hydraulic pump regulation and control	Liebherr-Synchron-Comfort-system (LSC) with electronic engine speed sensing regulation, pressure and flow compensation, torque controlled swing drive priority
Hydraulic tank	135 l / 36 gal
Hydraulic system	max. 300 l / max. 79 gal
Filtration	1 main return filter with integrated partial micro filtration (5 µm / 2,500 mesh)
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
S (Sensitive)	Mode for precision work and lifting through very sensitive movements
E (Eco)	Mode for especially economical and environmentally friendly operation
P (Power)	Mode for high performance with low fuel consumption
P+ (Power-Plus)	Mode for highest performance and for very heavy duty applications, suitable for continuous operation
Engine speed and performance setting	Stepless adjustment of engine output and hydraulic power via engine speed
Additional function	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	0-10.0 rpm stepless
Swing torque	54 kNm / 39,828 lbf ft
Holding brake	Wet multi-disc (spring applied, pressure released)
Additional function	Positioning swing brake automatic



Cab

Cab	ROPS safety cab structure (roll-over protection system) with individual windscreens or featuring a slide-in subpart under the ceiling, headlights integrated in the ceiling, a door with a sliding window, large stowing and depositing possibilities, shock-absorbing suspension, sound damping insulating, laminated safety glass, separate window shades for the sunroof window and windscreen
Operator's seat Comfort	Air cushioned operator's seat with 3D-adjustable armrests, headrest, lap belt, seat heater (2-stage), adjustable seat cushion inclination and length, lockable horizontal suspension, automatic weight adjustment, pneumatic low frequency suspension, adjustable suspension stiffness, pneumatic lumbar vertebrae support and passive seat climatization with active coal
Operator's seat Premium (Option)	In addition to operator's seat Comfort: active electronic weight adjustment (automatic readjustment) and active seat climatization with active coal and ventilator
Arm consoles	Joysticks with control consoles attached to the seat, folding left control console
Operation and displays	Large high-resolution operating unit, intuitive, color display with touchscreen, haptic feedback, video-compatible, numerous setting, control and monitoring options, e.g. air conditioning control, fuel consumption, machine and attachment parameters, separate display for rear view and side view monitoring
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 (country-dependent)



Undercarriage

LC	Gauge 2,250 mm / 7'5"
Drive	Liebherr swashplate motor with brake valves on both sides
Transmission	Liebherr compact planetary reduction gear
Maximum travel speed	2.7 km/h / 1.7 mph low range 5.9 km/h / 3.7 mph high range
Drawbar pull on crawler	188 kN / 42,264 lbf
Track components	B60, maintenance-free
Track rollers / Carrier rollers	7 / 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

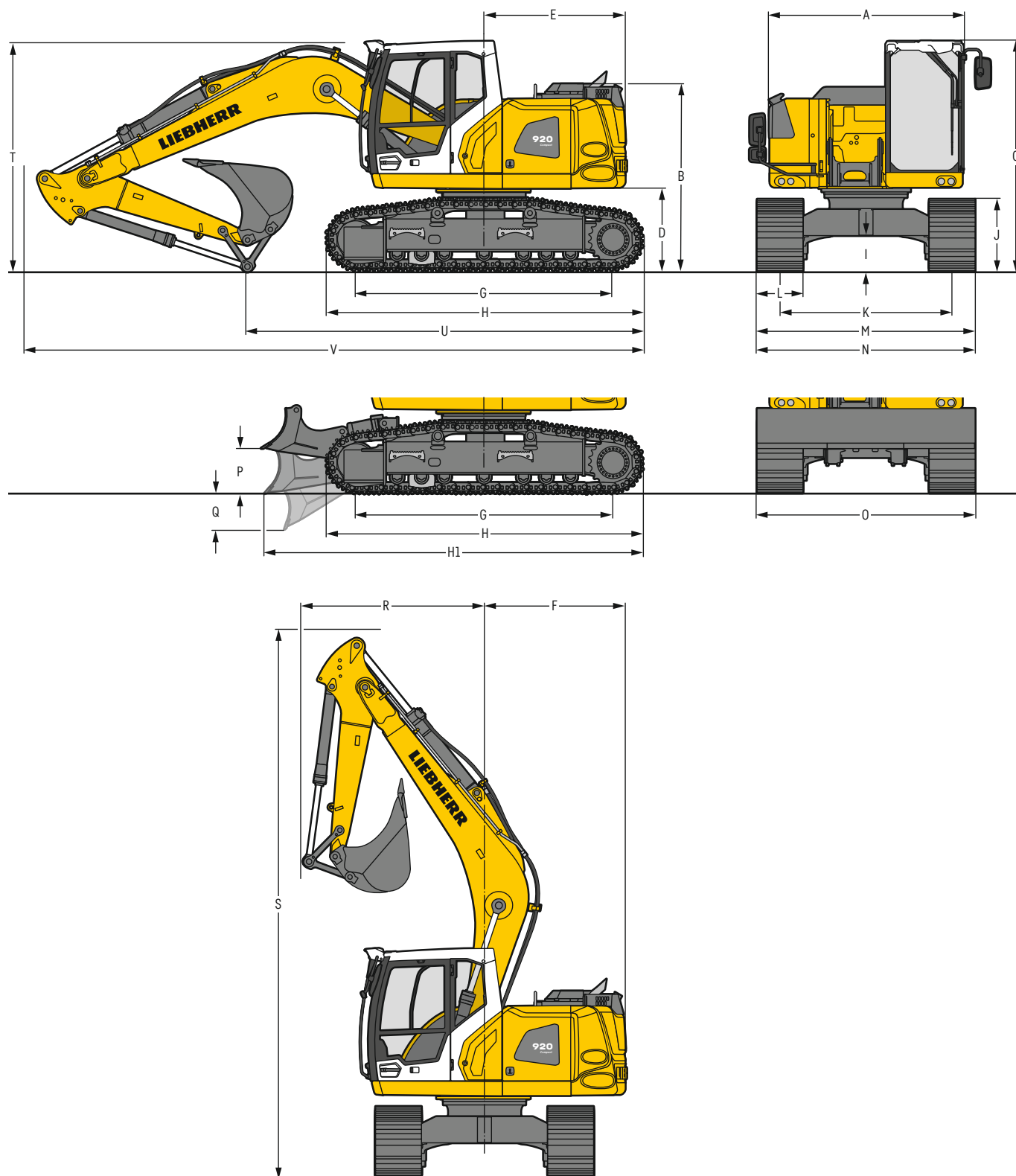
Type	High-strength steel plates at highly-stressed points for the toughest requirements. Complex and stable mountings of equipment and cylinders
Hydraulic cylinders	Liebherr cylinders with seal and guidance systems
Bearings	Sealed, low maintenance



Complete machine

Lubrication	Liebherr central lubrication system for uppercarriage and equipment
Noise emission	
ISO 6396	70 dB(A) = L _{pA} (inside cab)
2000/14/EC	101 dB(A) = L _{WA} (surround noise)

Dimensions



		LC	mm / ft in	LC with blade	mm / ft in
A	Uppercarriage width		2,525 / 8' 3"		2,525 / 8' 3"
B	Uppercarriage height		2,470 / 8' 1"		2,470 / 8' 1"
C	Cab height		3,025 / 9'11"		3,025 / 9'11"
D	Counterweight ground clearance		1,105 / 3' 8"		1,105 / 3' 8"
E	Rear-end length		1,850 / 6' 1"		1,850 / 6' 1"
F	Tail swing radius		1,850 / 6' 1"		1,850 / 6' 1"
G	Wheelbase		3,370 / 11' 1"		3,370 / 11' 1"
H	Undercarriage length		4,150 / 13' 7"		4,150 / 13' 7"
H1	Undercarriage length with blade		-		4,945 / 16' 3"
I	Undercarriage ground clearance		485 / 1' 7"		370 / 1' 3"
J	Track height		965 / 3' 2"		965 / 3' 2"
K	Track gauge		2,250 / 7' 5"		2,250 / 7' 5"
L	Track pad width		600 / 24" 750 / 30" 900 / 35"		600 / 24" 750 / 30" 900 / 35"
M	Width over tracks		2,850 / 9' 4" 3,000 / 9'10" 3,150 / 10' 4"		2,850 / 9' 4" 3,000 / 9'10" 3,150 / 10' 4"
N	Width over steps		2,780 / 9' 1" 2,980 ¹⁾ / 9' 9" ¹⁾ 3,080 ¹⁾ / 10' 1" ¹⁾		2,780 / 9' 1" 2,980 ¹⁾ / 9' 9" ¹⁾ 3,080 ¹⁾ / 10' 1" ¹⁾
O	Blade width		-		-
P	Max. blade height		-		590 / 1'11"
Q	Max. blade depth		-		470 / 1' 7"

¹⁾ width with removable steps

		Stick length	Mono boom 5.00 m / 16'5"
		m / ft in	direct mounting
R	Front swing radius	2.25 / 7'5"	2,400 / 7'10"
		2.45 / 8'	2,400 / 7'10"
		2.65 / 8'8"	2,450 / 8'
S	Height with boom up		7,200 / 23' 7"
T	Boom height	2.25 / 7'5"	3,000 / 9'10"
		2.45 / 8'	3,050 / 10'
		2.65 / 8'8"	3,150 / 10' 4"
U	Length on ground	2.25 / 7'5"	5,200 / 17' 1"
		2.45 / 8'	5,100 / 16' 9"
		2.65 / 8'8"	4,900 / 16' 1"
V	Overall length		8,100 / 26' 7"
	Bucket		0.80 m³ / 1.05 yd³

Transport dimensions

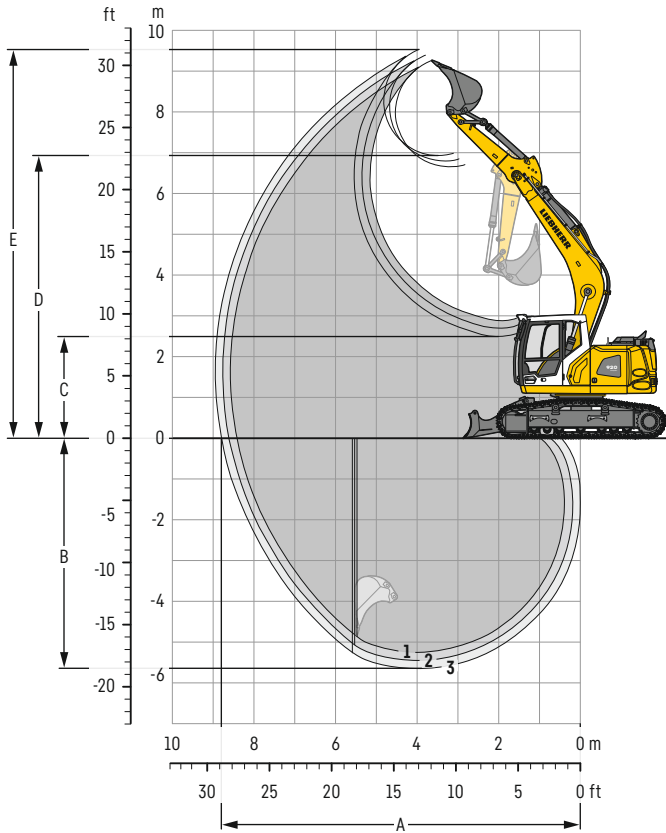
removable elements disassembled

	Mono boom 5.00 m / 16'5"	mm / ft in
Pad width	600 / 24" 750 / 30" 900 / 35"	
Transport width	2,850 / 9' 4" 3,000 / 9'10" 3,150 / 10' 4"	

	Stick	LC	LC with blade
	m / ft in	mm / ft in	mm / ft in
Transport length		8,100 / 26'7"	9,000 / 29'6"
	2.25 / 7'5"		3,025 / 9'11"
Transport height	2.45 / 8'		3,050 / 10'
	2.65 / 8'8"		3,150 / 10' 4"
Bucket			0.80 m³ / 1.05 yd³

Backhoe bucket

with mono boom 5.00 m / 16'5"



Digging envelope

without quick coupler		1	2	3
Stick length	m / ft in	2.25 / 7' 5"	2.45 / 8'	2.65 / 8' 8"
A Max. reach at ground level	m / ft in	8.42 / 27' 7"	8.61 / 28' 3"	8.79 / 28' 10"
B Max. digging depth	m / ft in	5.25 / 17' 3"	5.45 / 17' 11"	5.65 / 18' 6"
C Min. dumping height	m / ft in	2.89 / 9' 6"	2.70 / 8' 10"	2.50 / 8' 2"
D Max. dumping height	m / ft in	6.66 / 21' 10"	6.80 / 22' 4"	6.94 / 22' 9"
E Max. cutting height	m / ft in	9.26 / 30' 5"	9.39 / 30' 10"	9.53 / 31' 3"

Forces

without quick coupler		1	2	3
Stick digging force (ISO 6015)	kN / lbf	83 / 18,660	78 / 17,540	74 / 16,640
Bucket digging force (ISO 6015)	kN / lbf	98 / 22,030	98 / 22,030	98 / 22,030
Stick digging force (SAE J1179)	kN / lbf	79 / 17,760	75 / 16,860	71 / 15,960
Bucket digging force (SAE J1179)	kN / lbf	89 / 20,010	89 / 20,010	89 / 20,010

Operating weight and ground pressure

The operating weight includes the basic machine with counterweight 3.9 t / 8,600 lb, mono boom 5.00 m / 16'5", stick 2.65 m / 8'8" and backhoe bucket 0.80 m³ / 1.05 yd³ (480 kg / 1,060 lb).

Undercarriage		LC		
Pad width	mm / in	600 / 24"	750 / 30"	900 / 35"
Weight	kg / lb	18,730 / 41,290	19,330 / 42,620	19,730 / 43,500
Ground pressure	kg/cm ² / psi	0.43 / 6.1	0.36 / 5.1	0.31 / 4.4

Undercarriage		LC with blade	
Pad width	mm / in	600 / 24"	750 / 30"
Weight	kg / lb	20,030 / 44,160	20,630 / 45,480
Ground pressure	kg/cm ² / psi	0.46 / 6.5	0.38 / 5.4

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

	Cutting width	Capacity ISO 7451	Weight ³⁾	LC undercarriage (with track pads 750 mm / 30")						LC undercarriage with blade (with track pads 750 mm / 30")					
				Stick length (m / ft in)						Stick length (m / ft in)					
				without quick coupler			with quick coupler			without quick coupler			with quick coupler		
				2.25 7'5"	2.45 8'	2.65 8'8"	2.25 7'5"	2.45 8'	2.65 8'8"	2.25 7'5"	2.45 8'	2.65 8'8"	2.25 7'5"	2.45 8'	2.65 8'8"
STD ¹⁾	500	0.30	290	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1'8"	0.39	640												
	650	0.42	350	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	2'2"	0.55	770												
	850	0.60	400	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	2'9"	0.78	880												
	1,050	0.80	480	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
HD ²⁾	3'5"	1.05	1,060												
	1,250	0.95	525	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	4'1"	1.24	1,160												
	500	0.30	320	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1'8"	0.39	710												
	650	0.42	390	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	2'2"	0.55	860												
HD ²⁾	850	0.60	450	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	2'9"	0.78	990												
	1,050	0.80	540	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	3'5"	1.05	1,190												
	1,250	0.95	595	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	4'1"	1.24	1,310												

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

¹⁾ Standard backhoe bucket with Liebherr teeth Z 50

²⁾ HD backhoe bucket with Liebherr teeth Z 50

³⁾ backhoe bucket for direct mounting or mounting to quick coupler

Other backhoe buckets available upon request

Max. material weight ▲ = 2.0t/m³ / 3,400lb/yd³

Lift capacities

with mono boom 5.00 m / 16'5", counterweight 3.9 t / 8,600 lb and track pads 750 mm / 30"

Stick 2.25 m / 7'5"

	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	7.5 m t									3.7*	3.7*
	25 ft lb									8.3*	8.3*
	6.0 m t			4.8*	4.8*					3.1*	3.1*
	20 ft lb			10.7*	10.7*					6.9*	6.9*
	4.5 m t	6.6*	6.6*	5.4*	5.4*	3.5	4.9*			2.9	2.9*
	15 ft lb	14.2*	14.2*	11.8*	11.8*	7.5	10.7*			6.5*	6.5*
	3.0 m t			5.1	6.6*	3.3	5.1			2.6	3.0*
	10 ft lb	20.6	22.0*	11.1	14.3*	7.2	10.9			5.7	6.6*
	1.5 m t			4.8	7.7	3.2	4.9			2.4	3.2*
	5 ft lb			10.3	16.5	6.9	10.6			5.4	7.0*
	0 m t	5.7*	5.7*	4.6	7.4	3.1	4.8			2.5	3.6*
LC Blade up	0 ft lb	13.2*	13.2*	9.8	16.0	6.6	10.3			5.5	7.9*
	-1.5 m t	8.5	10.4*	4.5	7.4	3.0	4.7			2.7	4.2
	-5 ft lb	18.3	23.7*	9.7	15.8	6.6	10.2			6.1	9.4
	-3.0 m t	8.7	9.4*	4.6	6.7*					3.5	5.1*
	-10 ft lb	18.7	20.4*	9.9	14.4*					7.8	11.3*
	7.5 m t									3.7*	3.7*
	25 ft lb									8.3*	8.3*
	6.0 m t			4.8*	4.8*					3.1*	3.1*
	20 ft lb			10.7*	10.7*					6.9*	6.9*
	4.5 m t	6.6*	6.6*	5.4*	5.4*	3.7	4.9*			2.9*	2.9*
	15 ft lb	14.2*	14.2*	11.8*	11.8*	8.0	10.7*			6.5*	6.5*
	3.0 m t			5.5	6.6*	3.6	5.1			2.8	3.0*
LC Blade down	10 ft lb	22.0*	22.0*	11.8	14.3*	7.7	11.1			6.1	6.6*
	1.5 m t			5.1	7.8*	3.4	5.0			2.6	3.2*
	5 ft lb			11.1	16.7	7.4	10.7			5.8	7.0*
	0 m t	5.7*	5.7*	4.9	7.5	3.3	4.9			2.7	3.6*
	0 ft lb	13.2*	13.2*	10.6	16.2	7.2	10.5			5.9	7.9*
	-1.5 m t	9.2	10.4*	4.9	7.5	3.3	4.8			3.0	4.3
	-5 ft lb	19.7	23.7*	10.5	16.1	7.1	10.4			6.6	9.5
	-3.0 m t	9.4	9.4*	4.9	6.7*					3.8	5.1*
	-10 ft lb	20.1	20.4*	10.7	14.4*					8.4	11.3*
	7.5 m t									3.7*	3.7*
	25 ft lb									8.3*	8.3*
	6.0 m t			4.8*	4.8*					3.1*	3.1*
	20 ft lb			10.7*	10.7*					6.9*	6.9*

Stick 2.45 m / 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	7.5 m t									3.3*	3.3*
	25 ft lb									7.4*	7.4*
	6.0 m t			4.6*	4.6*					2.8*	2.8*
	20 ft lb			10.1*	10.1*					6.2*	6.2*
	4.5 m t			5.2*	5.2*	3.5	4.7*			2.7*	2.7*
	15 ft lb			11.2*	11.2*	7.5	10.3*			5.9*	5.9*
	3.0 m t	9.7*	9.7*	5.2	6.4*	3.3	5.1			2.5	2.7*
	10 ft lb	20.7*	20.7*	11.1	13.8*	7.2	10.9			5.4	5.9*
	1.5 m t			4.8	7.6*	3.2	4.9			2.3	2.9*
	5 ft lb			10.3	16.4*	6.9	10.6			5.1	6.3*
	0 m t	6.0*	6.0*	4.5	7.4	3.1	4.8			2.4	3.2*
	0 ft lb	13.9*	13.9*	9.8	15.9	6.6	10.3			5.2	7.1*
LC Blade up	-1.5 m t	8.5	10.0*	4.5	7.3	3.0	4.7			2.6	3.9*
	-5 ft lb	18.1	22.8*	9.7	15.7	6.5	10.2			5.8	8.6*
	-3.0 m t	8.6	9.8*	4.5	6.9*					3.3	5.0*
	-10 ft lb	18.5	21.2*	9.8	14.9*					7.3	11.0*
	7.5 m t									3.3*	3.3*
	25 ft lb									7.4*	7.4*
	6.0 m t			4.6*	4.6*					2.8*	2.8*
	20 ft lb			10.1*	10.1*					6.2*	6.2*
	4.5 m t			5.2*	5.2*	3.7	4.7*			2.7*	2.7*
	15 ft lb			11.2*	11.2*	8.0	10.3*			5.9*	5.9*
	3.0 m t	9.7*	9.7*	5.5	6.4*	3.6	5.2			2.7	2.7*
	10 ft lb	20.7*	20.7*	11.9	13.8*	7.7	11.1			5.9	5.9*
LC Blade down	1.5 m t			5.1	7.6*	3.4	5.0			2.5	2.9*
	5 ft lb			11.1	16.4*	7.4	10.7			5.6	6.3*
	0 m t	6.0*	6.0*	4.9	7.5	3.3	4.8			2.6	3.2*
	0 ft lb	13.9*	13.9*	10.6	16.2	7.1	10.4			5.6	7.1*
	-1.5 m t	9.1	10.0*	4.8	7.4	3.3	4.8			2.8	3.9*
	-5 ft lb	19.5	22.8*	10.4	16.0	7.0	10.3			6.2	8.6*
	-3.0 m t	9.3	9.8*	4.9	6.9*					3.5	5.0*
	-10 ft lb	19.9	21.2*	10.6	14.9*					7.9	11.0*
	7.5 m t									3.3*	3.3*
	25 ft lb									7.4*	7.4*
	6.0 m t			4.6*	4.6*					2.8*	2.8*
	20 ft lb			10.1*	10.1*					6.2*	6.2*



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 750 mm / 30" 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 228 kg / 500 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

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

Stick 2.65 m / 8'8"

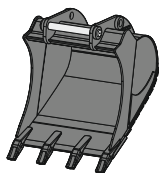
		3.0 m 10 ft		4.5 m 15 ft		6.0 m 20 ft		7.5 m 25 ft				m ft in
												
LC	Under-carriage											
	7.5 m t			3.7*	3.7*					2.9*	2.9*	4.7
	25 ft lb									6.6*	6.6*	15'
	6.0 m t			4.3*	4.3*	3.4*	3.4*			2.5*	2.5*	6.2
	20 ft lb			9.5*	9.5*	5.9*	5.9*			5.6*	5.6*	20'1"
	4.5 m t			4.9*	4.9*	3.5	4.6*			2.4*	2.4*	7.0
	15 ft lb			10.7*	10.7*	7.5	10.0*			5.4*	5.4*	23'
	3.0 m t	9.1*	9.1*	5.2	6.2*	3.4	5.0*			2.4	2.4*	7.5
	10 ft lb	19.5*	19.5*	11.2	13.3*	7.2	11.0			5.2	5.4*	24'6"
	1.5 m t			4.8	7.4*	3.2	4.9	2.3	3.4*	2.2	2.6*	7.6
	5 ft lb			10.3	16.1*	6.9	10.6			4.9	5.7*	25'
	0 m t	6.3*	6.3*	4.5	7.4	3.0	4.8			2.3	2.9*	7.4
	0 ft lb	14.4*	14.4*	9.8	15.9	6.6	10.2			5.0	6.4*	24'5"
	-1.5 m t	8.4	9.6*	4.4	7.3	3.0	4.7			2.5	3.5*	6.9
	-5 ft lb	18.0	21.9*	9.6	15.7	6.4	10.1			5.5	7.7*	22'8"
	-3.0 m t	8.5	10.2*	4.5	7.1*					3.1	4.8	6.0
	-10 ft lb	18.3	22.0*	9.7	15.3*					6.8	10.6	19'6"
LC	Blade up											
	7.5 m t			3.7*	3.7*					2.9*	2.9*	4.7
	25 ft lb									6.6*	6.6*	15'
	6.0 m t			4.3*	4.3*	3.4*	3.4*			2.5*	2.5*	6.2
	20 ft lb			9.5*	9.5*	5.9*	5.9*			5.6*	5.6*	20'1"
	4.5 m t			4.9*	4.9*	3.7	4.6*			2.4*	2.4*	7.0
	15 ft lb			10.7*	10.7*	8.1	10.0*			5.4*	5.4*	23'
	3.0 m t	9.1*	9.1*	5.5	6.2*	3.6	5.0*			2.4*	2.4*	7.5
	10 ft lb	19.5*	19.5*	12.0	13.3*	7.8	11.0*			5.4*	5.4*	24'6"
	1.5 m t			5.2	7.4*	3.4	5.0	2.5	3.4*	2.4	2.6*	7.6
	5 ft lb			11.1	16.1*	7.4	10.7			5.3	5.7*	25'
	0 m t	6.3*	6.3*	4.9	7.5	3.3	4.8			2.5	2.9*	7.4
	0 ft lb	14.4*	14.4*	10.6	16.1	7.1	10.4			5.4	6.4*	24'5"
	-1.5 m t	9.0	9.6*	4.8	7.4	3.2	4.8			2.7	3.5*	6.9
	-5 ft lb	19.4	21.9*	10.4	15.9	7.0	10.2			5.9	7.7*	22'8"
	-3.0 m t	9.2	10.2*	4.8	7.1*					3.3	4.8*	6.0
	-10 ft lb	19.7	22.0*	10.5	15.3*					7.3	10.8	19'6"
LC	Blade down											
	7.5 m t			3.7*	3.7*					2.9*	2.9*	4.7
	25 ft lb									6.6*	6.6*	15'
	6.0 m t			4.3*	4.3*	3.4*	3.4*			2.5*	2.5*	6.2
	20 ft lb			9.5*	9.5*	5.9*	5.9*			5.6*	5.6*	20'1"
	4.5 m t			4.9*	4.9*	3.9	4.6*			2.4*	2.4*	7.0
	15 ft lb			10.7*	10.7*	8.5	10.0*			5.4*	5.4*	23'
	3.0 m t	9.1*	9.1*	5.9	6.2*	3.8	5.0*			2.4*	2.4*	7.5
	10 ft lb	19.5*	19.5*	12.7	13.3*	8.2	11.0*			5.4*	5.4*	24'6"
	1.5 m t			5.5	7.4*	3.6	5.6*	2.6	3.4*	2.6	2.6*	7.6
	5 ft lb			11.8	16.1*	7.8	12.2*			5.6	5.7*	25'
	0 m t	6.3*	6.3*	5.2	8.1*	3.5	6.0*			2.6	2.9*	7.4
	0 ft lb	14.4*	14.4*	11.2	17.6*	7.5	12.9*			5.7	6.4*	24'5"
	-1.5 m t	9.6*	9.6*	5.1	8.0*	3.4	5.9*			2.8	3.5*	6.9
	-5 ft lb	20.9	21.9*	11.0	17.4*	7.4	12.7*			6.3	7.7*	22'8"
	-3.0 m t	9.9	10.2*	5.2	7.1*					3.5	4.8*	6.0
	-10 ft lb	21.3	22.0*	11.1	15.3*					7.8	10.8*	19'6"

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

The load values are quoted in tons (t) / lb x 1,000 at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 750 mm / 30" 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 228 kg / 500 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

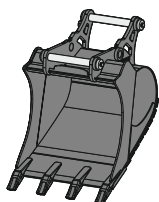
Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.

Attachments



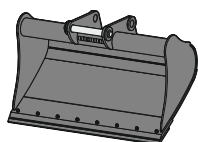
Backhoe bucket TL 03

Mounting	direct mounting, SWA 33 mechanical, SWA 33 hydraulic, SWA 33 Solidlink, SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink								
Cutting width	mm / ft in	300 ³⁾ / 1' ³⁾	400 ³⁾ / 1'4" ³⁾	500 ⁴⁾ / 1'8" ⁴⁾	650 / 2'2"	750 / 2'6"	850 / 2'9"	1,050 / 3'5"	1,250 / 4'1"
Capacity	m ³ / yd ³	0.17 ⁵⁾ / 0.22 ⁵⁾	0.24 ⁵⁾ / 0.31 ⁵⁾	0.32 / 0.42	0.42 / 0.55	0.50 / 0.65	0.60 / 0.78	0.80 / 1.05	0.95 / 1.24
Weight ²⁾	kg / lb	270 / 595	290 / 639	295 / 650	375 / 827	395 / 871	435 / 959	510 / 1,124	555 / 1,224



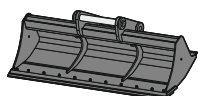
2in1 bucket HTL 03

Mounting	SWA 33 mechanical, SWA 33 hydraulic, SWA 33 Solidlink, SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink								
Cutting width	mm / ft in	300 ³⁾ / 1' ³⁾	400 ³⁾ / 1'4" ³⁾	500 ²⁾ / 1'8" ²⁾	650 ²⁾ / 2'2" ²⁾	850 ²⁾ / 2'9" ²⁾	1,050 ²⁾ / 3'5" ²⁾	1,250 ²⁾ / 4'1" ²⁾	
Capacity	m ³ / yd ³	0.17 / 0.22	0.24 / 0.31	0.32 / 0.42	0.42 / 0.55	0.60 / 0.78	0.80 / 1.05	0.95 / 1.24	
Weight	kg / lb	280 / 617	290 / 639	413 / 911	450 / 992	510 / 1,124	584 / 1,287	628 / 1,385	



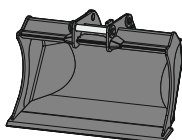
Universal bucket

Mounting	SWA 33 mechanical, SWA 33 hydraulic, SWA 33 Solidlink, SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink								
UL 03									
Cutting width	mm / ft in	1,500 / 4'11"							
Capacity	m ³ / yd ³	0.60 / 0.78							
Weight ¹⁾	kg / lb	368 / 811							
UL 04									
Cutting width	mm / ft in	1,600 / 5'3"				1,600 / 5'3"			
Capacity	m ³ / yd ³	0.80 / 1.05				1.00 / 1.31			
Weight ²⁾	kg / lb	473 / 1,043				496 / 1,093			



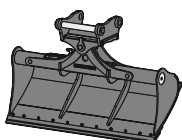
Ditch cleaning bucket GRL rigid 02

Mounting	direct mounting, SWA 33 mechanical, SWA 33 hydraulic, SWA 33 Solidlink, 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"	
Capacity	m ³ / yd ³	0.50 / 0.65			0.48 / 0.63			0.65 / 0.85	
Weight ¹⁾	kg / lb	362 / 798			351 / 774			385 / 849	



Grading bucket PL 03

Mounting	SWA 33 mechanical, SWA 33 hydraulic, SWA 33 Solidlink, SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink								
Cutting width	mm / ft in	1,400 / 4'7"				1,600 / 5'3"			
Capacity	m ³ / yd ³	0.65 / 0.85				0.75 / 0.98			
Weight ¹⁾	kg / lb	350 / 772				390 / 860			



Ditch cleaning bucket with hydraulic cylinder GRL 90

Mounting	direct mounting, SWA 33 mechanical, SWA 33 hydraulic, SWA 33 Solidlink, 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	m ³ / yd ³	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 ²⁾	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°

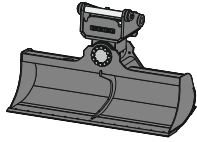
¹⁾ based on an attachment in a standard design with SWA 33 Solidlink quick coupler mounting

²⁾ based on an attachment in a standard design with SWA 48 Solidlink quick coupler mounting

³⁾ limited digging depth due to mounting for SWA 33 quick coupler

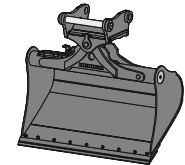
⁴⁾ limited digging depth due to mounting for SWA 48 quick coupler

⁵⁾ reduced capacity with direct mounting



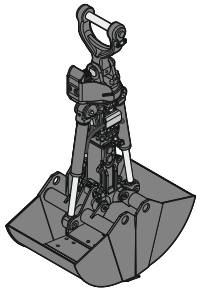
Ditch cleaning bucket with rotary motor GRLM 20

Mounting	SWA 33 mechanical, SWA 33 hydraulic, SWA 33 Solidlink, SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink				
Cutting width	mm / ft in	1,600 / 5'3"	1,800 / 5'11"	2,000 / 6'7"	2,200 / 7'3"
Capacity	m ³ / yd ³	0.55 / 0.72	0.65 / 0.85	0.70 / 0.92	0.80 / 1.05
Weight ¹⁾	kg / lb	688 / 1,517	720 / 1,587	753 / 1,660	785 / 1,731
Tilt angle		2 x 50°	2 x 50°	2 x 50°	2 x 50°



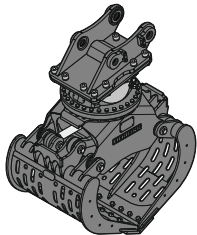
Tilt bucket with hydraulic cylinder SL 90

Mounting	direct mounting, SWA 33 mechanical, SWA 33 hydraulic, SWA 33 Solidlink, 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"
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
Weight ²⁾	kg / lb	715 / 1,576	738 / 1,627	970 / 2,138	820 / 1,808	890 / 1,962	970 / 2,138
Tilt angle		2 x 50°	2 x 50°	2 x 50°	2 x 50°	2 x 50°	2 x 50°



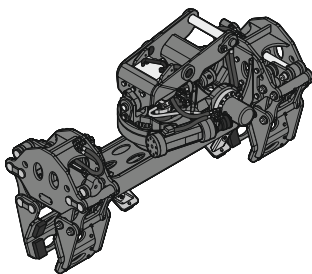
Clamshell grab

Mounting	direct mounting, SWA 33 mechanical, SWA 33 hydraulic, SWA 33 Solidlink, SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink					
GMZ 18 Clamshell buckets						
Shell width	mm / ft in	320 / 1'1"	400 / 1'4"	600 / 2'	800 / 2'7"	
Capacity ³⁾	m ³ / yd ³	0.17 / 0.22	0.22 / 0.29	0.30 / 0.39	0.40 / 0.52	
Opening width	mm / ft in	1,462 / 4'10"	1,462 / 4'10"	1,392 / 4'7"	1,392 / 4'7"	
Weight ⁴⁾	kg / lb	670 / 1,477	705 / 1,554	715 / 1,576	765 / 1,687	
GMZ 22 Clamshell buckets						
Shell width	mm / ft in	300 / 1'	400 / 1'4"	600 / 2'	800 / 2'7"	1,000 / 3'3"
Capacity ³⁾	m ³ / yd ³	0.14 / 0.18	0.20 / 0.26	0.30 / 0.39	0.42 / 0.55	0.54 / 0.71
Opening width	mm / ft in	1,502 / 4'11"	1,502 / 4'11"	1,502 / 4'11"	1,502 / 4'11"	1,502 / 4'11"
Weight ⁴⁾	kg / lb	680 / 1,499	710 / 1,565	780 / 1,720	855 / 1,885	935 / 2,061



Sorting grab

Mounting	direct mounting, SWA 33 mechanical, SWA 33 hydraulic, SWA 33 Solidlink, SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink								
SG 20B									
Shell type	perforated					closed			
Shell width	mm / ft in	800 / 2'7"	1,000 / 3'3"	1,200 / 3'11"	1,400 / 4'7"	800 / 2'7"	1,000 / 3'3"	1,200 / 3'11"	1,400 / 4'7"
Capacity	m³ / yd³	0.40 / 0.52	0.50 / 0.65	0.60 / 0.78	0.70 / 0.92	0.40 / 0.52	0.50 / 0.65	0.60 / 0.78	0.70 / 0.92
Max. closing force	kN / lbf	40 / 8,992	40 / 8,992	40 / 8,992	40 / 8,992	40 / 8,992	40 / 8,992	40 / 8,992	40 / 8,992
Weight ⁵⁾	kg / lb	750 / 1,653	795 / 1,753	840 / 1,852	885 / 1,951	765 / 1,687	810 / 1,786	850 / 1,874	895 / 1,973
SG 20B with universal shell									
Shell width	mm / ft in	650 / 2'2"							
Capacity	m³ / yd³	0.15 / 0.20							
Max. closing force	kN / lbf	57 / 12,814							
Weight ⁶⁾	kg / lb	831 / 1,832							



Parallel grab GMP 25 with pole clamp⁸⁾

Mounting	SWA Solidlink 33-9	
Clamp diameter min.	mm / in	250 / 10"
Clamp diameter max.	mm / ft	600 / 2'
Weight ⁷⁾	kg / lb	1,470 / 3,241

¹⁾ based on an attachment in a standard design with SWA 33 Solidlink quick coupler mounting

²⁾ based on an attachment in a standard design with SWA 48 Solidlink quick coupler mounting

³⁾ capacity specifications are theoretically determined values; fill level varies depending on the material being loaded

⁴⁾ without suspension

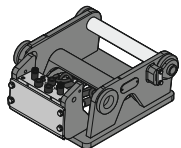
⁵⁾ with standard bolt-on cutting edge, without quick coupler mounting

⁶⁾ with Liebherr teeth Z 35 C, without quick coupler mounting

⁷⁾ based on an attachment in a standard design with SWA Solidlink 33-9 quick coupler mounting

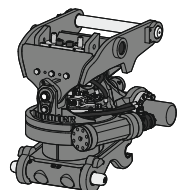
⁸⁾ on the machine side, a 14-pin signal contact strip and a power socket on the stick, switchable via signal contacts are always required

Attachments



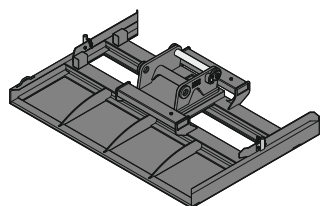
Adapter plate

SWA 33 / SWA 48					
Version		SWA 33	SWA 33 XL	SWA 48	SWA 48 XL
Weight ¹⁾	kg / lb	102 / 225	140 / 309	153 / 337	225 / 496
SWA 33 Solidlink / SWA 48 Solidlink					
Version		SWA 33 Solidlink	SWA 33 Solidlink XL	SWA 48 Solidlink	SWA 48 Solidlink XL
Weight ²⁾	kg / lb	145 / 320	182 / 401	210 / 463	281 / 619
					SWA 48 Solidlink XXL
					338 / 745



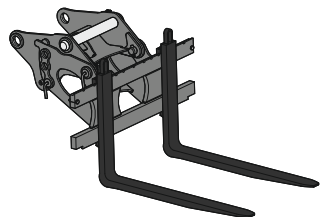
Tiltrotator TR 25

Mounting machine side		SWA 33 mechanical, SWA 33 hydraulic, SWA 33 Solidlink, SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink			
Mounting attachment side		SWA 33 mechanical, SWA 33 hydraulic, SWA 48 mechanical, SWA 48 hydraulic			
Weight ³⁾	kg / lb	787 / 1,735			
Rotation		360°			
Tilt		2 x 50°			



Grading beam PB 20

Mounting		SWA 33 mechanical, SWA 33 hydraulic, SWA 33 Solidlink, SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink			
Cutting width	mm / ft in	2,500 / 8'2"			
Weight ⁴⁾	kg / lb	627 / 1,382			



Pallet fork

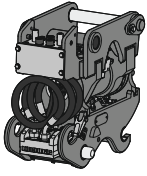
PG SWA 33 FEM III			
Mounting		SWA 33 mechanical, SWA 33 hydraulic, SWA 33 Solidlink	
Fork length	mm / ft in	1,200 / 3'11"	
Max. width pallet fork	mm / ft in	1,500 / 4'11"	
Lift capacity (ISO 2328)	t / lb	5.0 / 11,023	
Weight	kg / lb	579 / 1,276	
PG SWA 48 FEM II			
Mounting		SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink	
Fork length	mm / ft in	1,200 / 3'11"	
Max. width pallet fork	mm / ft in	1,245 / 4'1"	
Lift capacity (ISO 2328)	t / lb	2.5 / 5,512	
Weight	kg / lb	345 / 761	
PG SWA 48 FEM III			
Mounting		SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink	
Fork length	mm / ft in	1,200 / 3'11"	
Max. width pallet fork	mm / ft in	1,500 / 4'11"	
Lift capacity (ISO 2328)	t / lb	5.0 / 11,023	
Weight	kg / lb	585 / 1,290	

¹⁾ based on a standard adapter plate with opening and with SWA 33 / SWA 48 quick coupler mounting

²⁾ based on a standard adapter plate with opening, with full hydraulic assignment and with SWA 33 Solidlink / SWA 48 Solidlink quick coupler mounting

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 an attachment in a standard design with SWA 33 Solidlink quick coupler mounting



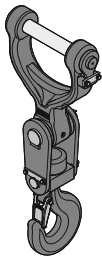
Tilt unit LiTiU 33²⁾

Mounting machine side	SWA 33 Solidlink
Mounting attachment side	SWA 33 hydraulic, SWA 33 Solidlink
Weight ³⁾	kg / lb 410 / 904
Tilt	2 x 50°



Load chain / Spreader bar

Load chain for SWA 33 quick coupler, with load hook		
Lift capacity (WLL)	t / lb	6.7 / 14,771
Overall height	mm / ft in	536 / 1'9"
Weight	kg / lb	6 / 13
Load chain for SWA 33 quick coupler, without load hook		
Lift capacity (WLL)	t / lb	6.7 / 14,771
Overall height	mm / ft in	246 / 10"
Weight	kg / lb	2 / 4
Spreader bar for SWA 33 quick coupler, with load hook		
Lift capacity (WLL)	t / lb	10.0 / 22,046
Overall height	mm / ft in	745 / 2'5"
Weight	kg / lb	21.7 / 48



Load hook / Lifting shackle

Mounting	SWA 33 mechanical, SWA 33 hydraulic, SWA 33 Solidlink, SWA 48 mechanical, SWA 48 hydraulic, SWA 48 Solidlink	
Version	Single load hook	Double load hook
Load hook		
Lift capacity (WLL)	t / lb	12.5 / 27,558
Height	mm / ft in	545 / 1'9"
Weight ³⁾	kg / lb	67 / 148
Load hook on rotary drive		
Lift capacity (WLL)	t / lb	12.5 / 27,558
Height	mm / ft in	1,032 / 3'5"
Weight ³⁾	kg / lb	344 / 758
Lifting shackle		
Lift capacity (WLL)	t / lb	35 / 77,162
Height	mm / in	226 / 9"
Weight ³⁾	kg / lb	26 / 57

¹⁾ based on standard tilt unit LiTiU 33 with SWA 33 Solidlink quick coupler mountings on both sides (underside of tilt unit and machine side quick coupler mounting)

²⁾ 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

³⁾ without suspension

Information & Sales



Downloads

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Configurator

Configure the perfect machine for your application.

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See how much fuel you can save with a Liebherr.

Calculate your consumption now and start saving!



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Serial equipment



Undercarriage

Track components & tracks & steps

- Lashing eyes
- Track and carrier rollers, sealed and lifetime-lubricated



Uppercarriage

Hydraulic & engine

- Filters accessible from ground level
- Fuel fine filter
- Fuel pre-filter and water separator
- Power Pack USA Tier 4 Final
- Pressure accumulator for controlled lowering of equipment with engine turned off

Counterweight & inspection

- Counterweight standard 3.9t / 8,600lb

Options

- Main switch accessible from ground level
- Main switch, electric, with timer



Equipment

Boom

- Pipe fracture safety valve for stick cylinder
- Pipe fracture safety valves for boom cylinders



Control

Safety & operation

- Automatic engine idling / speed increase
- Horn
- Modetronic
- Positioning swing brake automatic

Hydraulic & control

- 10" color touchscreen
- Control pattern digital
- DEF level on touchscreen
- Display controller button
- Display with haptic feedback
- Fuel level on touchscreen
- High pressure circuit with Tool Control
- Hydraulic oil level on touchscreen
- Joystick proximity sensor
- Power modes
- Start / Stop button
- Touchpad 3.5"

Assistance systems

- Smartphone interface



Cab

Interior

- Air-conditioned bottle holder
- Air-conditioned storage compartment
- Armrests adjustable in length, height and inclination
- Automatic air conditioning
- Coat hook
- Consoles linked to the seat and adjustable
- Emergency hammer with seat belt cutter
- Emergency stop hydraulic and engine in cab
- Front windscreen washer mobile spray
- Hand free kit
- Inner temperature sensor
- Interior lighting LED
- Key storage
- Liebherr Connect
- Mood lighting LED
- Outer temperature sensor
- Radio Comfort
- Roll-down sun blinds for windscreen and roof window
- Seat belt reminder
- Sockets in cab (USB)
- Solar radiation sensor
- Storage nets
- Storage space backpack
- Storage tablet
- Tilttable console left with safety lever

Exterior

- Bottom windscreen wiper
- Cab air filters, accessible from ground level
- Impact resistant roof window
- Laminated right hand side window
- Preparation for top and front guard FOPS-FGPS
- Rain hood over front window opening
- Rear window emergency exit
- Windscreen wiper
- Windshield washer fluid tank accessible from ground level

Use & operation

- DEF consumption on touchscreen
- Fuel consumption on touchscreen
- ROPS
- Swing braking torque adjustable
- Switch between high pressure circuit and bucket cylinder

Equipment standard / option

Undercarriage

Track components & tracks & steps	
Chain guide 1 piece	●
Chain guide 3 pieces	+
Dozer and stabilizer blade 2,500 mm / 8'2"	+
Dozer and stabilizer blade 2,600 mm / 8'6"	+
Dozer and stabilizer blade 2,850 mm / 9'4"	+
Dozer and stabilizer blade 3,000 mm / 9'10"	+
Reinforced cover and base plate for undercarriage center section	+
Rubber track pads 600 mm / 24"	+
Steps	●
Steps wide	+
Track pads triple grouser 500 mm / 20" / 750 mm / 30" / 900 mm / 35"	+
Track pads triple grouser 600 mm / 24"	●
Undercarriage LC, track gauge 2,250 mm / 7'5"	●
Undercarriage NLC, track gauge 2,000 mm / 6'7"	+
Undercarriage storage compartment	+

Uppercarriage

Hydraulic & engine	
Air pre-filter with cyclonical dust trap	+
Automatic engine shutdown after idling (with timer)	+
Automatic engine shutdown after idling (without timer)	+
Bypass filter for hydraulic oil	+
Hydraulic oil, Liebherr Hydraulic Basic 100 (0 to +55 °C / 32 to 131 °F)	+
Hydraulic oil, Liebherr Hydraulic HVI (-20 to +40 °C / -4 to +104 °F)	●
Hydraulic oil, Liebherr Hydraulic Plus Arctic, high performance oil (-40 to +30 °C / -40 to +86 °F)	+
Hydraulic oil, Liebherr Hydraulic Plus, high performance oil (-30 to +45 °C / -22 to +113 °F)	+
Preheating fuel	+
Radiator fine mesh protection grid	+
Reversible fan drive	+
Tank refilling pump fuel	+
Options	
Centralized lubrication automatic swing ring and equipment	●
Extended tool set including tool box	+
Headlight on uppercarriage, lateral right, LED+, 1 piece	+ ¹⁾
Headlights on uppercarriage, front, LED, 2 pieces, protections included	● ¹⁾
Headlights on uppercarriage, front, LED+, 2 pieces, protections included	+ ¹⁾
Headlights on uppercarriage, rear, LED+, 2 pieces	+ ¹⁾
Lighting for cab access	+ ¹⁾
Reflective warning stickers	+
Socket on uppercarriage (24 V)	+
Tool set	●
Warning beacon on uppercarriage, rear, LED, 1 piece	+

Equipment

Boom	
Floating boom	+
Headlight guards on boom	+
Headlights on boom, LED, 2 pieces	● ¹⁾
Headlights on boom, LED+, 2 pieces	+ ¹⁾
Mono boom 5.00 m / 16'5"	+
Two-piece boom 5.30 m / 17'5"	+
Stick & attachment mounting	
Bucket cylinder rod protection	+
Centralized lubrication automatic connecting link	+
Centralized lubrication automatic quick coupler	+
Coupling system Solidlink for quick coupler SWA 33	+
Coupling system Solidlink for quick coupler SWA 48	+
GPS for attachment (via 5-pin signal contacts)	+
GPS for attachment (via 14-pin signal contacts)	+
Headlights on stick, right and left, LED+, 2 pieces, protections included	+ ¹⁾
Lifting eye on stick 8.0 t / 17,640 lb (500 mm / 1'8" from stick end pin)	+
Load holding valve for bucket cylinder (both sides)	+
Quick coupler SWA 33 hydraulic	+
Quick coupler SWA 48 hydraulic	+
Signal contacts for Solidlink 5-pin	+
Signal contacts for Solidlink 5-pin and 14-pin	+
Signal contacts for Solidlink 14-pin	+
Socket on stick (24 V)	+
Stick 2.25 m / 7'5"	+
Stick 2.45 m / 8'	+
Stick 2.65 m / 8'8"	+
Stick bottom protection	+



Cab

Interior	
2-points seat belt, 2"	●
2-points seat belt, 3"	+
3-points seat belt, 2"	+
Auxiliary heater programmable	+
Fire extinguisher	+
Footrest	+
Mobile phone holder with inductive charging	+
Multifunction mounting bracket	+
Operator's seat Comfort	●
Operator's seat Premium	+
Remote cab lock	+ ¹⁾
Roll-down sun blinds for rear and side window, right	+
Travel alarm system standard switchable	+
Travel pedals with travel levers removable	+
Exterior	
Electrically adjustable and heated outside rear-view mirrors	+
FGPS front guard with side opening	+
FOPS top guard	+
FOPS top guard flat	+
Headlight on cab, rear, LED+, 1 piece	+ ¹⁾
Headlights on cab, front, LED, 2 pieces	● ¹⁾
Headlights on cab, front, LED+, 2 pieces	+ ¹⁾
Impact resistant one-piece windscreen	+
Lightbar on cab, LED	+
Rearview mirror on cab	●
Retractable laminated two-piece windscreen	●
Roof window wiper	+
Warning beacon foldable on cab, LED, 1 piece	+
Use & operation	
Filter for hydraulic hammer return flow	+
Leak oil line for attachment	+



Control

Safety & operation	
Overload warning system	+
Hydraulic & control	
Attachment continuous operation system	+
Double pedal, left	+
Double pedal, right	+
Joysticks Premium	●
Medium pressure circuit	+
Preparation for tiltrotator	+
Assistance systems	
MiC 4.0 BUS communication standard	+
Preparation for machine control system	+
Rear view and right hand side view monitoring cameras	●
Skyview 360°	+
Smart Key Comfort	+
Smart Key Standard	●



General

Coating & transport	
Special paint	+



Packages

Coming / Leaving Home	+ ¹⁾
Luminosity control (LED+ headlights)	+ ¹⁾

● = Standard, + = Option

¹⁾ equipment not individually available, but only as predefined packages

Non-exhaustive list, please contact us for further information.

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.

The Liebherr Group



Global and independent: more than 75 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-run company which today comprises more than 150 companies on all continents with over 55,000 employees. The holding company of the Group is Liebherr-International AG in Bulle (Switzerland), whose shareholders 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 program

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

Customized solutions and maximum customer value

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

WARNING

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.

WARNING

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.

Construction Equipment Division • 4800 Chestnut Avenue • Newport News, VA 23607, USA • Phone +1 (757) 240 4250
construction.usa@liebherr.com • www.liebherr.us • www.facebook.com/LiebherrConstruction