

Crawler Excavator

R 926 Compact

Litronic®

Engine

129 kW/175 HP

Stage IV

Operating Weight

25,400 – 29,500 kg

Bucket Capacity

0.55 – 1.50 m³



LIEBHERR

Performance

Performance, precision
and responsiveness

Efficiency

High level of productivity for
a lower overall operating cost

Engine

129 kW/ 175 HP
Stage IV

Operating Weight

25,400 – 29,500 kg

Bucket Capacity

0.55 – 1.50 m³



Reliability

Result of ongoing improvements

Comfort

Spacious, ergonomic and with high-visibility

Maintainability

Simplified daily checks, longer maintenance intervals



Performance



**Performance, Precision
and Responsiveness**

High Productivity for Extraction and Loading

Boasting a rotation radius of 1.70 m at the rear and until 1.90 m at the front, the R 926 Compact is perfectly stable and suitable for the narrowest of worksites. The exceptional hydraulic performance of Liebherr excavators means shorter work cycles and higher productivity for extraction and loading.

A Wide Range of Attachments

The R 926 excavator is suitable for all types of works, thanks to a wide range of Liebherr tools. Different sticks can be combined with a variety of booms (monoblock, offset monoblock and luffing booms). Finally, an optional levelling blade completes the versatility of the machine. Then, to make tool-changing easier, Liebherr offers a SWA quick-change attachment and the LiKUFIX system as options.

The Liebherr System Tool-Management

The Tool-Management function makes it easy to change tools thanks to the tool recognition RFID system. The programmed pressure and flow values are available from the moment the hydraulic tool is changed. This increases productivity thanks to the shorter fitting times.

Cutting-Edge Technology for Top-Level Performance

The R 926 crawler excavator incorporates Liebherr's Positive Control hydraulic system. This system is controlled by Liebherr electronics, using strategically-positioned sensors. All of the machine's work is therefore faster, more accurate and fluid. What's more, as the two hydraulic pump circuits can operate either separately or in unison, this optimises the energy management of the R 926.

Intelligent Operating Modes

- Sensitive Mode: for accurate lifting work
- Economy mode: for an economic and ecological operation. Recommended for normal working conditions
- Power Mode: for powerful excavation capacities in difficult applications
- Full Power Mode: especially designed for higher power, ideal for extreme applications

A D924 Liebherr Engine that is Even Cleaner and with Enhanced Performance

- New motor complies with the European Stage IV exhaust gas emission regulations thanks to its oxidation catalyst technology and SCR urea injection
- The most cutting-edge technology with the Common-Rail system without EGR valve and particle filter
- Automatic idling optimises energy efficiency

An Accurate and Efficient Dozer Blade

- Radial fan blade
- Different blade lengths available
- Exemplary dozing accuracy and quality
- Only two lubrication points
- Integral protection of cylinder rods as standard
- Fitted tie-down rings



Efficiency



**High Level of Productivity for
a Lower Overall Operating Cost**

Multi-Purpose

The R 926 Compact is a multi-purpose machine that can be used for a great variety of purposes: its compact structure means it is perfect for worksites where space is restricted, such as town centres, roadworks or narrow forest tracks. What's more, it is capable of performing the traditional work of a standard crawler excavator, such as earth-moving, pipe-laying, demolition and material-handling works.

Compact Equipment

The kinematics of the attachments especially designed for the R 926 Compact allow for effective operations, even at heights, thanks to the boom joint being very close to the machine's centre of rotation. The total rotation radius can be equal to 1.90 m.

Easy Access

All the maintenance points have been designed for easy access and to shorten intervention times. The gull-wing hood openings allow all operations to be performed from the ground. The operations can be carried out in complete safety, whether they concern the air filter, the fuel filters, the engine oil filter and the radiators or the checking of engine oil levels.

Intelligent Energy Management

The integrated engineering of Liebherr's systems allows constant monitoring of the fuel consumption and the urea solution thanks to the effective management of the engine and hydraulics. The new diesel engine, the new DOC/SCR exhaust after-treatment system, automatic idling/engine speed increase, electronic engine speed sensing regulation and Regeneration Plus are just some of the elements that contribute towards better energy management. This consumption control greatly reduces the discharge of toxic gases into the atmosphere while minimizing operating costs.

Automatic Centralised Lubrication System as Standard

- Fully automated centralised lubrication system as standard for rapid maintenance, less manual lubrication and shorter machine downtime
- Covers all the lubrication points of the uppercarriage and equipment, other than the connecting link (optional)
- Adequate lubrication of each joint guaranteed, for a longer service life of the moving parts
- Safety aspect: the lubrication can be performed without the operator having to leave the cab

LiKUFIX and Tool-Management

- Ideal for worksites requiring tool changes
- Mechanical and hydraulic coupling of tools possible without leaving the cab
- Optimised excavator operation with automatic tool change system
- Intelligent Tool-Management option, for automatic tool detection, pressure and corresponding flow adjustment

Liebherr Lubricants

- Liebherr lubricants are specially developed for application in Liebherr earth moving and material handling machines and guarantee a long working life whilst simultaneously delivering the highest possible performance
- Being designed especially for your Liebherr machines, Liebherr lubricants contribute significantly to lowering your operating and maintenance costs



Reliability



**Result of Ongoing
Improvements**

Accurately-Sized Mechanical Structures

The R 926 Compact is a very robust, powerful and reliable machine, ideal for all types of works, including difficult applications. The attachments are fitted with moulded steel parts, strategically positioned on the joints. Furthermore, thanks to the continuous optimisation and systematic numerical simulation of the structures, they can achieve the long service life our customers require.

Quality in the Minutest Details

The hydraulic, electric and lubrication lines are laid out to ensure optimum operating safety and the permanent uptime of the machine. The top-coat applied prior to assembly, as well as the surface treatment of the parts ensures a maximum protection against corrosion.

The Cab Operator's Protection

The cab is fitted with a roll-over protection system (ROPS), pursuant to ISO standard 12117-2. Invisible, it allows the operator to work in complete tranquility.

Automatic Operation Monitoring

The operator can concentrate fully on the task: the integrated on-board electronics ensure a constant readjustment to preset values. The operator can also access the operating parameters via the monitoring display.

A Robust Undercarriage

- X-shaped design for improved stress distribution and a longer service life
- Easy to maintain thanks to the wide openings under the track rollers and the fastening of the steps to the vertical side of the track carriers
- Varied range of optional features such as dozing blade, rubber track pads or a fitted tool box to adapt to all types of worksites

Liebherr Key Components

- A perfect harmonisation of the machine's elements for worksite applications
- The main mechanically-welded structures, (undercarriage, attachment and uppercarriage) designed by Liebherr
- Manufactured by Liebherr:
 - hydraulic pumps
 - pump reducer
 - translation mechanism
 - swing mechanism
 - swing ring
 - electronic components

Liebherr Genuine Parts

- 98 % availability from central warehouse
- Overnight service*
- Online documentation system
- Reliable supply for years to come, even after series production has stopped

* Availability depends on product and country



Comfort



**Spacious, Ergonomic
and with High-Visibility**

A First Class Work Space

In this new cab, the operator has a pneumatic seat with longitudinal and vertical pneumatic damping as standard, an enlarged space and a very comfortable work environment. Depending on the operator's needs, the Liebherr Premium seat can be chosen as an option. This seat offers maximum seating comfort thanks to its pneumatic lumbar support, its electronic weight-actuated height adjuster as well as its air-conditioning with activated charcoal and built-in fan.

Low Noise Level and Vibrations

To increase the operator's comfort and productivity, the noise level inside the operator's cab is exceptionally low. The cab is mounted on viscoelastic rivets to fully absorb vibrations. The rubber flanges that support the pipes also actively participate in reducing external noise.

7" Colour Touch Screen

A true control panel, this Liebherr designed and manufactured robust and reliable touch screen (ingress protection IP 65) offers numerous adjustment and monitoring options, such as the fuel consumption and urea solution delay, air-conditioning, tool control, radio, etc. And thanks to its high-resolution video compatibility, it can also display the images from the rear and side backup camera.

Large Storage Spaces

- Storage spaces behind the seat, with optional chiller for keeping drinks cool at all times
- Fully retractable windscreen, stowable under the roof
- 12 V plug for operating the optional chiller and all other types of appliances
- Optional foot-rest available for enhanced comfort especially when working on inclines

Ergonomic and Precise Joysticks

- Sensitive joysticks with proximity sensors allow greater responsiveness while resuming rpm and engine idling
- Ergonomical joysticks positioned for greater comfort during work and more accurate movement
- The proportional control allows a very fine manoeuvrability for a sensitive, accurate and more fluid operation of hydraulic tools

High Visibility

- Rear view and right hand side view monitoring camera seamlessly integrated for visibility and heightened operating safety
- Optimised design of the whole uppercarriage gives the operator a wider field of vision



Maintainability



**Simplified Daily Checks,
Longer Maintenance Intervals**

Simplified Daily Checks

The daily checks were taken into account from the start of the design, to make them simpler, more accessible and shorter. The fuel or diesel exhaust fluid levels, for example, can be checked via the display in the operator's cab. The fully-automatic central lubrication system can save precious intervention time, while guaranteeing that the excavator is in optimum operating condition and has a long life.

Longer Service Intervals

The frequency of the service intervals is optimised to guarantee that each part is operating optimally and that the maintenance operations are only performed as necessary. Whether it is the interval for changing the hydraulic oil, which can be up to 8,000 hours, or for changing the engine oil, everything has been taken into account to reduce the frequency of interventions and thus limit the machine's downtime and reduce costs.

A Maintenance-Free Exhaust Gas Treatment

The exhaust gas treatment is carried out in compliance with the Stage IV standards, without the use of a particle filter or EGR valve. This results in a maximum reliability in an output with no loss of productivity linked to the regeneration of this filter and, of course, there is no maintenance time or cost for spare parts associated with this technology.

Expert Advice and Service Provisions

Liebherr offers an expert advice service. Qualified personnel will help you make the appropriate decisions to meet your needs: sales arguments based on the terrain, service agreements, advantageous repair alternatives, original parts management, and remote data transfer for fleet management.

LiDAT Data Transfer System

- Complete fleet management, all from one source
- Optimized economical performance of the machine park thanks to detailed view of the distribution of operating states and times
- Reports on capacity commitment and the use of the machine park can be called up daily via the Web portal
- Precise location of the machine
- Regional delimitation and fixed downtimes increase safety and reliability

Hydraulic Reservoir Stop Valve

- Easy and quick isolation of the oil circuit between hydraulic reservoir and hydraulic system
- No drainage of fluid necessary for service or repair work on the hydraulic system

Central Lubrication System

- The fully-automatic central lubrication system, fitted as standard, allows for rapid maintenance: it saves time-consuming individual lubricating and downtime
- All the lubrication points on the superstructure of the undercarriage and the attachment hydraulics are supplied, with the exception of the connecting plate
- Engine oil level visible on display
- Coolant and swing gearbox oil levels visible from the operator seat



Long Live Progress with the R 926 Compact

Variety of Robust Attachments

- Cast steel joints for greater stress resistance
- Parts have a long service life thanks to the automated lubrication, fitted as standard
- Wide choice of attachments to adapt the excavator to the customer's needs
- Kinematics and equipment specially designed for the R 926 Compact

A Multi-Purpose Tool Holder

- Wide range of specific Liebherr buckets and tools
- Patented Liebherr Z tooth system for increased productivity
- SWA LiKUFIX quick coupling for greater flexibility (optional)

A Reliable Undercarriage

- Reliable and robust X-undercarriage that is easy to tie down thanks to the integrated eyelets
- Maintenance-free travel gear system and lifetime-lubricated track rollers for easy maintenance
- Several dozer blades available (optional)
- Rubber track pads for urban use (optional)





A Very Comfortable Operator's Workstation

- Spacious and air-conditioned work space for increased productivity
- Pneumatic seat with longitudinal and vertical pneumatic damping as standard
- 7" high resolution, easy-to-use, colour touch screen
- Fully retractable window screen

The Latest Technologies for Higher Performance

- New Stage IV engine technology with oxidation catalyst and SCR urea system without EGR valve and particle filter
- Automatic idling / engine speed increase
- Liebherr Positive Control hydraulic system for more accurate and fluid movements

Shorter Maintenance Time

- Completely new maintenance concept with elements within arm's reach, accessible from the ground
- Filters grouped together for shorter maintenance interventions
- Adequate lubrication guaranteed thanks to automatic centralised lubrication system, fitted as standard
- Motor oil level accessible from ground-level for checking and filling
- Shut-off valve at the outlet of the hydraulic tank

Technical Data



Engine

Rating per ISO 9249	129 kW (175 HP) at 1,900 RPM
Torque	682 Nm at 1,400 RPM
Model	Liebherr D924 A7-04
Type	4 cylinder in-line
Bore	104 mm
Stroke	132 mm
Displacement	4.5 l
Engine operation	4-stroke diesel Common-Rail turbo-charged and after-cooler
Exhaust gas treatment	SCR with urea injection emission standard stage IV/Tier 4 Final
Option	particle filter
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
Urea tank	45 l
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 chassis, swing drive and attachment
Servo circuit	
Attachment and swing	proportional via joystick levers
Chassis	– with proportionally functioning foot pedals or adjusted with a plugable lever – speed pre-selection
Additional functions	proportional regulation via foot pedals or mini-joystick



Hydraulic System

Hydraulic system	Positive Control dual circuit hydraulic system for independent and need-based quantity allotment via the hydraulic pumps; sensor-guided features high system dynamics and sensitivity provided by integrated system controlling
Hydraulic pump	
for attachment and travel drive	Liebherr, variable displacement, swashplate double pump
Max. flow	2 x 223 l/min.
Max. pressure	350 bar
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
Hydraulic system	max. 360 l
Hydraulic oil filter	1 main return filter with integrated partial micro filtration (10 µm)
Cooling system	compact cooler, consisting of a water cooler, sandwiched 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 alignment of engine output and hydraulic power via engine speed
Tool Control	10 preadjustable pump flows and pressures for add-on tools



Swing Drive

Drive	Liebherr swashplate motor with integrated brake valve and torque control
Transmission	Liebherr compact planetary reduction gear
Swing ring	Liebherr, sealed race ball bearing swing ring, internal teeth
Swing speed	0 – 11.5 RPM stepless
Swing torque	84 kNm
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) with individual windscreens or featuring a slide-in subpart under the ceiling, work head-lights integrated in the ceiling, a door with a sliding window (can be opened on both sides), large stowing and depositing possibilities, shock-absorbing suspension, sounddamping insulating, tinted laminated safety glass, separate window shades for the sunroof window and windscreen, cigarette lighter and 12 V plug, cup holder
Operator's seat	Comfort seat, airsprung with automatic weight adjustment, vertical and longitudinal seat damping including consoles and joysticks. Seat and armrests adjustable separately and in combination, seat heating as standard, folding console
Control system	joysticks with arm consoles and swivel seat
Operation and displays	large high-resolution operating unit, self-explanatory, colour display with touchscreen, video-compatible, numerous settings, control and monitoring options, e.g. air conditioning control, fuel consumption, machine and tool 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 (country-dependent) the air conditioning system contains fluorinated greenhouse gases
Refrigerant	R134a
Global warming potential	1,430
Quantity at 25 °C*	1,220 g
CO ₂ equivalent	1.75 t
Vibration emission	
Hand/arm vibrations	< 2.5 m/s ² , according with ISO 5349-1:2001
Whole-body vibrations	conforms to technical report ISO/TR 25398:2006
Measuring inaccuracy	according with standard EN 12096:1997

* valid for standard machine without operator's cab elevation and without height adjustable cab



Undercarriage

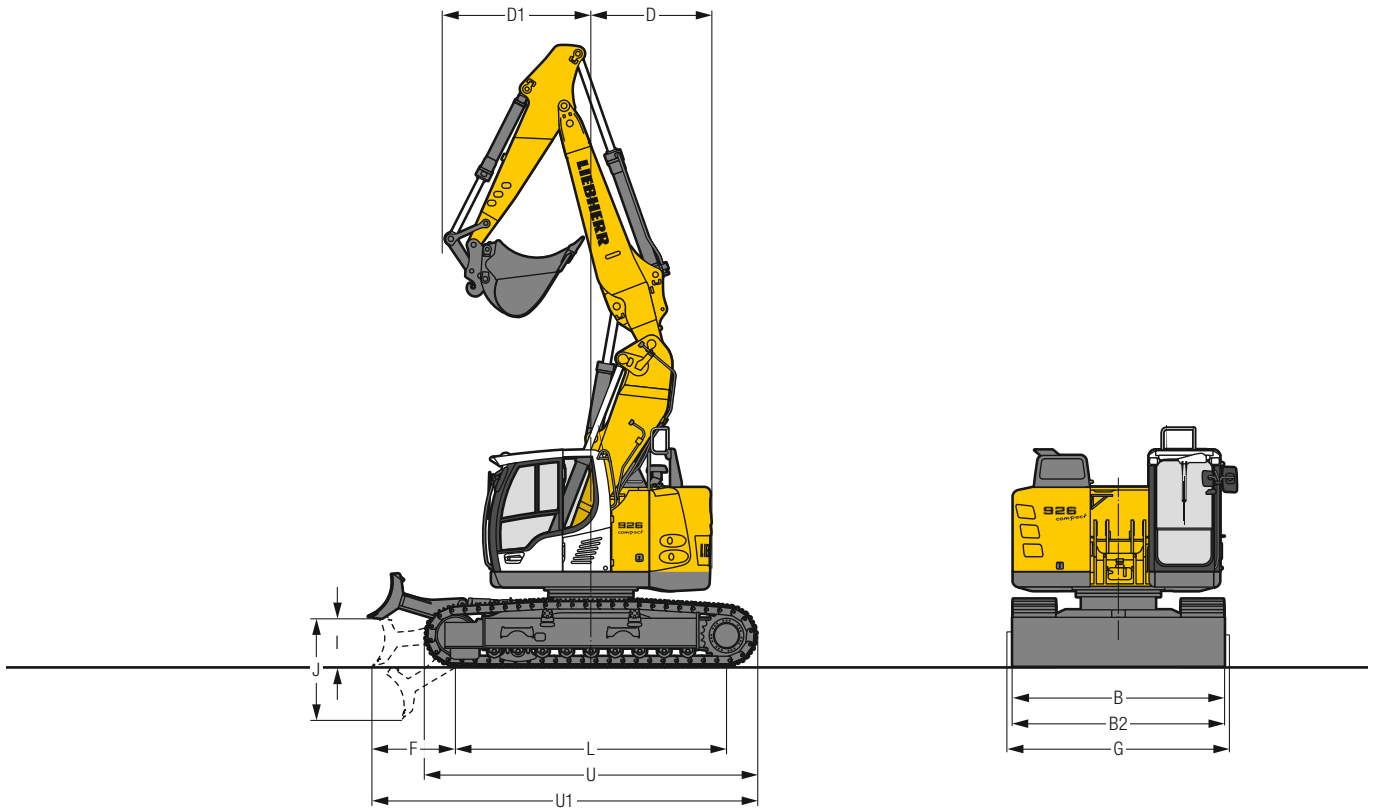
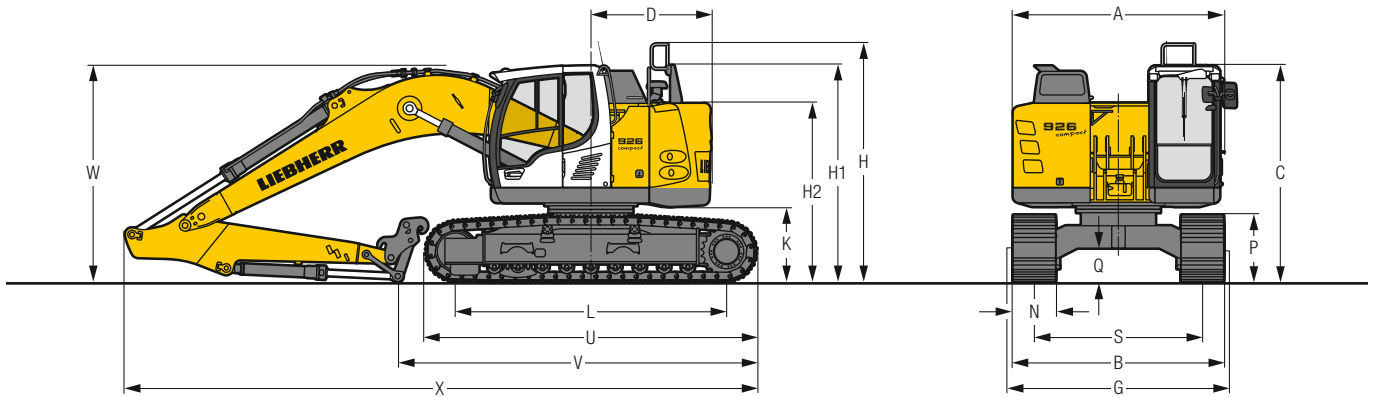
LC	gauge 2,380 mm
Drive	Liebherr swashplate motors with integrated brake valves on both sides
Transmission	Liebherr compact planetary reduction gear
Maximum travel speed	low range 3.3 km/h high range 5.5 km/h
Net drawbar pull on crawler	207 kN
Option	226 kN
Track components	B60, maintenance-free
Track 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



Attachment

Hydraulic cylinders	Liebherr cylinders with special seal-system, shock protection
Bearings	sealed, low maintenance
Lubrication	Liebherr central lubrication system

Dimensions



	LC					mm	LC with blade					mm
A						2,980						2,980
C						3,085						3,085
D						1,700						1,700
F						–						1,180
H¹⁾						3,415						3,415
H1²⁾						3,075						3,075
H2						2,535						2,535
I						–						675
J						–						1,435
K						1,075						1,075
L						3,838						3,838
P						955						955
Q						465						465
S						2,380						2,380
U						4,700						4,700
U1						–						5,440
N		600	700	750	800	900		600	700	750	800	900
B		2,980	3,080	3,130	3,180	3,280		2,980	3,080	3,130	3,180	3,280
B2		–	–	–	–	–		3,000	3,100	–	–	–
G		2,920	2,920	3,120 ³⁾	3,220 ³⁾	3,220 ³⁾		2,920	2,920	3,120 ³⁾	3,220 ³⁾	3,220 ³⁾

¹⁾ mounted handrail

²⁾ unmounted handrail

³⁾ width with removable steps

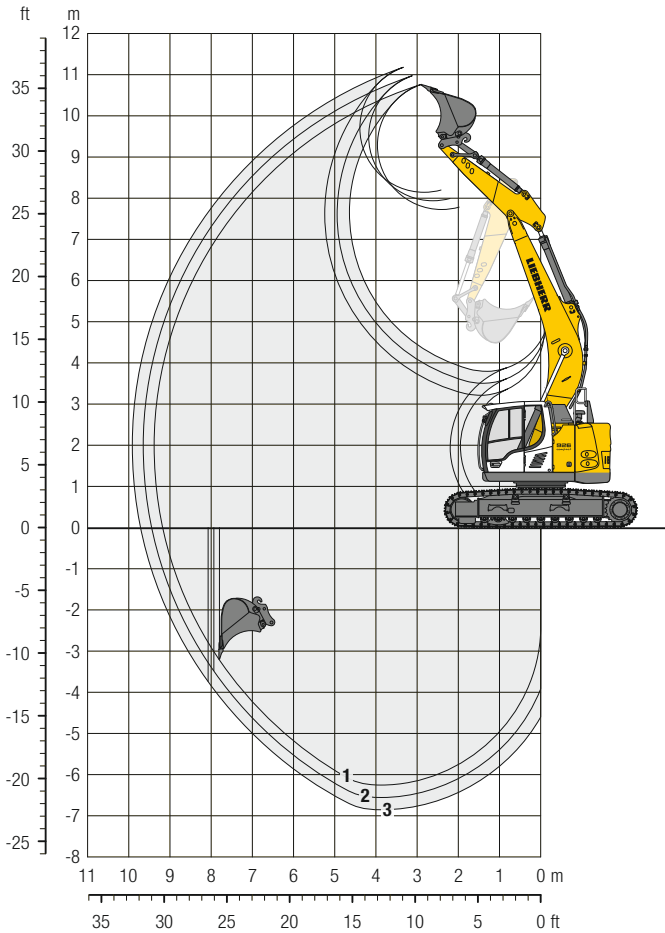
	Stick length m	Mono boom 5.70 m			Two-piece boom 6.00 m			Mono boom offset 5.70 m		
		mm			mm			mm		
V	2.35	5,650			6,050			5,700		
	2.65	5,350			5,800			5,400		
	2.95	5,100			5,550			5,100		
W	2.35	3,000			3,050			2,950		
	2.65	3,050			3,100			2,950		
	2.95	3,050			3,150			2,950		
X	2.35	9,050			9,350			9,050		
	2.65	9,050			9,400			9,050		
	2.95	9,050			9,400			9,050		
D1⁴⁾	2.35	2,150			2,050			2,250		
	2.65	2,050			1,950			2,150		
	2.95	1,950			1,900			2,050		
D1⁵⁾	2.35	2,200			2,100			2,300		
	2.64	2,100			2,000			2,200		
	2.95	2,000			1,950			2,100		

⁴⁾ without quick coupler with bucket

⁵⁾ with quick coupler and bucket

Backhoe Bucket

with Mono Boom 5.70 m and Counterweight 5.7 t



Digging Envelope

with quick coupler		1	2	3
Stick length	m	2.35	2.65	2.95
Max. digging depth	m	6.25	6.55	6.85
Max. reach at ground level	m	9.20	9.45	9.70
Max. dumping height	m	7.70	7.90	8.10
Max. teeth height	m	10.75	10.95	11.15

Forces

without quick coupler		1	2	3
Max. digging force (ISO 6015)	kN	120	110	102
Max. breakout force (ISO 6015)	kN	140	140	140
Max. digging force (SAE J1179)	kN	113	105	97
Max. breakout force (SAE J1179)	kN	125	125	125

Operating Weight and Ground Pressure

The operating weight includes the basic machine with counterweight 5.7 t, mono boom 5.70 m, stick 2.95 m, quick coupler SWA 48 and bucket 0.80 m³ (635 kg).

Undercarriage		LC				
Pad width	mm	600	700	750	800	900
Weight	kg	25,400	25,900	26,100	26,200	26,650
Ground pressure	kg/cm ²	0.51	0.45	0.42	0.39	0.35

Undercarriage		LC with blade				
Pad width	mm	600	700	750	800	900
Weight	kg	27,150	27,650	27,850	27,950	28,400
Ground pressure	kg/cm ²	0.55	0.48	0.45	0.42	0.38

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

Cutting width	Capacity ISO 7451	Weight ³⁾	Weight ⁴⁾	LC-Undercarriage (with track pads 600 mm)						LC-Undercarriage with blade (with track pads 600 mm)						
				Stick length (m)						Stick length (m)						
				without quick coupler			with quick coupler			without quick coupler			with quick coupler			
mm	m ³	kg	kg	2.35	2.65	2.95	2.35	2.65	2.95	2.35	2.65	2.95	2.35	2.65	2.95	
STD ¹⁾	650	0.55	480	515	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	850	0.60	520	550	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,050	0.80	600	635	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,250	1.00	685	715	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,400	1.15	755	785	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,250	1.25	890	925	▲	▲	■	▲	■	▲	▲	▲	▲	▲	▲	▲
	1,400	1.35	850	885	▲	■	■	■	■	▲	▲	■	▲	▲	■	■
	1,400	1.50	950	980	■	▲	■	▲	■	▲	▲	■	▲	▲	▲	▲
HD ²⁾	650	0.55	545	575	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	850	0.60	585	615	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,050	0.80	675	705	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,250	1.00	770	800	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,400	1.15	850	880	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,250	1.25	975	1,005	▲	▲	■	▲	■	▲	▲	▲	▲	▲	▲	■
	1,400	1.35	935	965	▲	▲	■	▲	■	▲	▲	■	▲	▲	■	■
	1,400	1.50	1,090	1,120	▲	■	■	▲	■	▲	■	■	▲	■	▲	■

* 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, ■ = ≤ 1.8 t/m³, ▲ = ≤ 1.65 t/m³, ■ = ≤ 1.5 t/m³, △ = ≤ 1.2 t/m³

Lift Capacities

with Mono Boom 5.70 m, Counterweight 5.7 t and Track Pads 600 mm

Stick 2.35 m

Under-carriage	m	3.0 m		4.5 m		6.0 m		7.5 m		m		
LC	9.0	7.4*	7.4*							7.0*	7.0*	3.2
	7.5			6.8*	6.8*					5.7*	5.7*	5.5
	6.0	8.7*	8.7*	7.2*	7.2*	5.2	6.4*			4.3	5.3*	6.7
	4.5	12.2*	12.2*	7.7	8.4*	5.0	6.8*			3.6	5.4*	7.4
	3.0			7.1	9.9*	4.7	7.5*	3.4	5.8	3.2	5.5	7.8
	1.5			6.6	10.9*	4.5	8.0	3.3	5.7	3.1	5.4	7.8
	0			6.4	10.8*	4.3	7.8	3.2	5.6	3.2	5.6	7.6
	-1.5	11.4*	11.4*	6.4	9.9*	4.3	7.5*			3.5	6.1*	7.0
	-3.0	10.2*	10.2*	6.5	8.1*	4.4	5.9*			4.4	5.9*	6.0
	-4.5	5.8*	5.8*							4.6*	4.6*	4.3
LC with blade	9.0	7.4*	7.4*							7.0*	7.0*	3.2
	7.5			6.8*	6.8*					5.7*	5.7*	5.5
	6.0	8.7*	8.7*	7.2*	7.2*	5.5	6.4*			4.6	5.3*	6.7
	4.5	12.2*	12.2*	8.2	8.4*	5.3	6.8*			3.9	5.4*	7.4
	3.0			7.6	9.9*	5.1	7.5*	3.7	6.0	3.5	5.6	7.8
	1.5			7.1	10.9*	4.8	8.0*	3.6	5.8	3.4	5.5	7.8
	0			6.9	10.8*	4.7	8.0	3.5	5.8	3.5	5.7	7.6
	-1.5	11.4*	11.4*	6.9	9.9*	4.7	7.5*			3.8	6.1*	7.0
	-3.0	10.2*	10.2*	7.0	8.1*	4.8	5.9*			4.7	5.9*	6.0
	-4.5	5.8*	5.8*							4.6*	4.6*	4.3

Stick 2.65 m

Under-carriage	m	3.0 m		4.5 m		6.0 m		7.5 m		m		
LC	9.0									5.8*	5.8*	3.8
	7.5			6.4*	6.4*					4.9*	4.9*	5.8
	6.0	7.3*	7.3*	6.8*	6.8*	5.2	6.1*			4.0	4.7*	7.0
	4.5	11.2*	11.2*	7.8	8.0*	5.0	6.6*	3.5	5.6*	3.4	4.7*	7.7
	3.0			7.2	9.6*	4.8	7.3*	3.4	5.8	3.1	4.9*	8.0
	1.5			6.7	10.7*	4.5	7.9*	3.3	5.7	3.0	5.1	8.1
	0	5.7*	5.7*	6.4	10.9*	4.3	7.8	3.2	5.6	3.0	5.3	7.8
	-1.5	10.8*	10.8*	6.4	10.1*	4.3	7.6*			3.3	5.8	7.3
	-3.0	11.1*	11.1*	6.5	8.5*	4.3	6.3*			4.0	5.8*	6.4
	-4.5	7.0*	7.0*	5.4*	5.4*					5.0*	5.0*	4.8
LC with blade	9.0									5.8*	5.8*	3.8
	7.5			6.4*	6.4*					4.9*	4.9*	5.8
	6.0	7.3*	7.3*	6.8*	6.8*	5.6	6.1*			4.3	4.7*	7.0
	4.5	11.2*	11.2*	8.0*	8.0*	5.4	6.6*	3.8	5.6*	3.7	4.7*	7.7
	3.0			7.7	9.6*	5.1	7.3*	3.7	6.0	3.3	4.9*	8.0
	1.5			7.2	10.7*	4.9	7.9*	3.6	5.8	3.2	5.2	8.1
	0	5.7*	5.7*	6.9	10.9*	4.7	7.9	3.5	5.7	3.3	5.4	7.8
	-1.5	10.8*	10.8*	6.9	10.1*	4.6	7.6*			3.6	5.9	7.3
	-3.0	11.1*	11.1*	7.0	8.5*	4.7	6.3*			4.4	5.8*	6.4
	-4.5	7.0*	7.0*	5.4*	5.4*					5.0*	5.0*	4.8

Stick 2.95 m

Under-carriage	m	3.0 m		4.5 m		6.0 m		7.5 m		m		
LC	9.0									5.0*	5.0*	4.4
	7.5			5.9*	5.9*	4.9*	4.9*			4.3*	4.3*	6.2
	6.0			6.4*	6.4*	5.3	5.8*			3.8	4.1*	7.3
	4.5	10.3*	10.3*	7.6*	7.6*	5.1	6.4*	3.5	5.7*	3.2	4.1*	8.0
	3.0			7.3	9.3*	4.8	7.1*	3.4	5.9	2.9	4.3*	8.3
	1.5			6.7	10.5*	4.5	7.7*	3.3	5.7	2.8	4.7*	8.3
	0	6.2*	6.2*	6.4	10.9*	4.3	7.8	3.2	5.6	2.9	5.0	8.1
	-1.5	10.3*	10.3*	6.3	10.3*	4.2	7.7	3.2	5.6	3.1	5.5	7.6
	-3.0	11.9*	11.9*	6.4	8.9*	4.3	6.7*			3.7	5.7*	6.7
	-4.5	8.2*	8.2*	6.2*	6.2*					5.1*	5.1*	5.2
LC with blade	9.0									5.0*	5.0*	4.4
	7.5			5.9*	5.9*	4.9*	4.9*			4.3*	4.3*	6.2
	6.0			6.4*	6.4*	5.6	5.8*			4.1	4.1*	7.3
	4.5	10.3*	10.3*	7.6*	7.6*	5.4	6.4*	3.8	5.7*	3.5	4.1*	8.0
	3.0			7.8	9.3*	5.1	7.1*	3.7	6.0	3.2	4.3*	8.3
	1.5			7.2	10.5*	4.9	7.7*	3.6	5.8	3.0	4.7*	8.3
	0	6.2*	6.2*	6.9	10.9*	4.7	7.9	3.5	5.7	3.1	5.1	8.1
	-1.5	10.3*	10.3*	6.8	10.3*	4.6	7.7*	3.4	5.7	3.4	5.6	7.6
	-3.0	11.9*	11.9*	6.9	8.9*	4.6	6.7*			4.0	5.7*	6.7
	-4.5	8.2*	8.2*	6.2*	6.2*					5.1*	5.1*	5.2

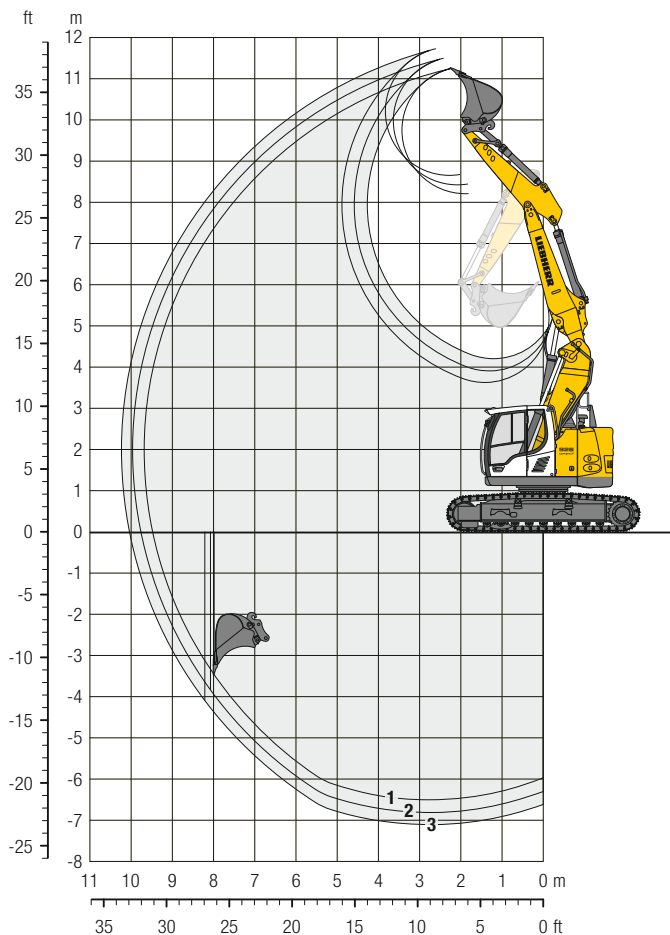
Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach * Limited by hydr. capacity

The load values are quoted in tons (t) 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 600 mm 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. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

According to European Standard, EN 474-5: In the European Union excavators have to be equipped with an overload warning device, a load diagram and automatic safety check valves on hoist cylinders and stick cylinder(s), when they are used for lifting operations which require the use of lifting accessories.

Backhoe Bucket

with Two-Piece Boom 6.00 m and Counterweight 5.7 t



Digging Envelope

with quick coupler		1	2	3
Stick length	m	2.35	2.65	2.95
Max. digging depth	m	6.50	6.80	7.10
Max. reach at ground level	m	9.50	9.75	10.05
Max. dumping height	m	8.20	8.40	8.65
Max. teeth height	m	11.20	11.45	11.70

Forces

without quick coupler		1	2	3
Max. digging force (ISO 6015)	kN	120	110	102
Max. breakout force (ISO 6015)	kN	140	140	140
Max. digging force (SAE J1179)	kN	113	105	97
Max. breakout force (SAE J1179)	kN	125	125	125

Operating Weight and Ground Pressure

The operating weight includes the basic machine with counterweight 5.7 t, two-piece boom 6.00 m, stick 2.95 m, quick coupler SWA 48 and bucket 0.80 m³ (635 kg).

Undercarriage		LC				
Pad width	mm	600	700	750	800	900
Weight	kg	26,500	27,000	27,200	27,300	27,750
Ground pressure	kg/cm ²	0.53	0.47	0.44	0.41	0.37

Undercarriage		LC with blade				
Pad width	mm	600	700	750	800	900
Weight	kg	28,250	28,750	28,950	29,050	29,500
Ground pressure	kg/cm ²	0.57	0.50	0.47	0.44	0.40

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

Cutting width mm	Capacity ISO 7451 m ³	Weight ³⁾ kg	Weight ⁴⁾ kg	LC-Undercarriage (with track pads 600 mm)						LC-Undercarriage with blade (with track pads 600 mm)					
				Stick length (m)						Stick length (m)					
				without quick coupler			with quick coupler			without quick coupler			with quick coupler		
				2.35	2.65	2.95	2.35	2.65	2.95	2.35	2.65	2.95	2.35	2.65	2.95
650	0.55	480	515	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
850	0.60	520	550	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
1,050	0.80	600	635	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
1,250	1.00	685	715	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
1,400	1.15	755	785	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	■
1,250	1.25	890	925	■	▲	▲	▲	▲	■	▲	■	■	▲	■	▲
1,400	1.35	850	885	▲	▲	■	▲	▲	■	■	■	▲	■	▲	■
1,400	1.50	950	980	■	▲	▲	▲	▲	▲	▲	■	■	■	■	▲
650	0.55	545	575	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
850	0.60	585	615	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
1,050	0.80	675	705	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
1,250	1.00	770	800	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
1,400	1.15	850	880	▲	■	■	■	■	▲	▲	▲	▲	▲	▲	■
1,250	1.25	975	1,005	■	▲	■	■	■	■	■	■	■	■	■	▲
1,400	1.35	935	965	▲	▲	■	■	■	■	■	■	■	■	■	■
1,400	1.50	1,090	1,120	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲

* 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, ■ = ≤ 1.8 t/m³, ▲ = ≤ 1.65 t/m³, ■ = ≤ 1.5 t/m³, ▲ = ≤ 1.2 t/m³, - = not authorised

Lift Capacities

with Two-Piece Boom 6.00 m, Counterweight 5.7 t and Track Pads 600 mm

Stick 2.35 m

Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		Max. reach			
	m	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	m	m		
LC	9.0	8.1*	8.1*						6.5*	6.5*	3.9	
	7.5	8.1*	8.1*	7.7*	7.7*				5.4	5.5*	5.9	
	6.0	9.4*	9.4*	8.1*	8.1*	5.4	6.8*		3.9	5.2*	7.0	
	4.5	13.6*	13.6*	8.0	9.2*	5.4	7.2*	3.5	6.0	3.2	5.3*	7.7
	3.0	13.8*	13.8*	7.9	10.3*	5.3	7.6*	3.4	5.9	2.9	5.1	8.1
	1.5	14.1	15.2*	7.8	10.5*	5.0	7.8*	3.2	5.7	2.8	5.0	8.1
	0	13.4	16.6*	7.2	10.6*	4.6	7.8*	3.1	5.6	2.8	5.1	7.9
	-1.5	12.9	16.9*	6.8	10.9*	4.3	7.7*			3.1	4.9*	7.4
	-3.0	12.9	15.8*	6.5	9.5*	4.1	5.4*			3.8	4.2*	6.4
	-4.5	7.6*	7.6*	3.4*	3.4*					2.3*	2.3*	4.9
LC with blade	9.0	8.1*	8.1*						6.5*	6.5*	3.9	
	7.5	8.1*	8.1*	7.7*	7.7*				5.5*	5.5*	5.9	
	6.0	9.4*	9.4*	8.1*	8.1*	5.7	6.8*		4.2	5.2*	7.0	
	4.5	13.6*	13.6*	8.4	9.2*	5.7	7.2*	3.7	6.0*	3.5	5.3*	7.7
	3.0	13.8*	13.8*	8.3	10.3*	5.6	7.6*	3.7	6.0	3.2	5.2	8.1
	1.5	14.7	15.2*	8.3	10.5*	5.3	7.8*	3.5	5.9	3.0	5.1	8.1
	0	14.4	16.6*	7.7	10.6*	5.0	7.8*	3.4	5.7	3.1	5.2	7.9
	-1.5	13.9	16.9*	7.4	10.9*	4.6	7.7*			3.3	4.9*	7.4
	-3.0	13.8	15.8*	7.0	9.5*	4.5	5.4*			4.1	4.2*	6.4
	-4.5	7.6*	7.6*	3.4*	3.4*					2.3*	2.3*	4.9

Stick 2.65 m

Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		Max. reach			
	m	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	m	m		
LC	9.0	7.4*	7.4*						5.5*	5.5*	4.4	
	7.5	7.0*	7.0*	7.1*	7.1*	5.3	5.6*			4.8*	4.8*	6.3
	6.0	7.7*	7.7*	7.8*	7.8*	5.5	6.6*			3.7	4.6*	7.4
	4.5	13.2*	13.2*	8.0	8.9*	5.4	7.0*	3.5	5.9*	3.1	4.6*	8.0
	3.0	13.8*	13.8*	7.9	10.1*	5.4	7.5*	3.5	5.9	2.8	4.8*	8.3
	1.5	14.0	14.9*	7.9	10.5*	5.1	7.7*	3.3	5.8	2.6	4.7	8.4
	0	13.5	16.4*	7.2	10.6*	4.7	7.8*	3.1	5.6	2.7	4.8	8.2
	-1.5	12.9	16.8*	6.8	10.8*	4.3	7.8*	3.0	5.2*	2.9	4.8*	7.7
	-3.0	12.8	16.2*	6.5	10.1*	4.1	6.2*			3.5	4.2*	6.8
	-4.5	9.8*	9.8*	5.1*	5.1*					2.8*	2.8*	5.3
LC with blade	9.0	7.4*	7.4*						5.5*	5.5*	4.4	
	7.5	7.0*	7.0*	7.1*	7.1*	5.6*	5.6*			4.8*	4.8*	6.3
	6.0	7.7*	7.7*	7.8*	7.8*	5.8	6.6*			3.9	4.6*	7.4
	4.5	13.2*	13.2*	8.4	8.9*	5.7	7.0*	3.8	5.9*	3.3	4.6*	8.0
	3.0	13.8*	13.8*	8.3	10.1*	5.7	7.5*	3.7	6.0	3.0	4.8*	8.3
	1.5	14.7*	14.9*	8.2	10.5*	5.4	7.7*	3.6	5.9	2.9	4.8	8.4
	0	14.5	16.4*	7.8	10.6*	5.1	7.8*	3.4	5.7	2.9	4.9	8.2
	-1.5	13.9	16.8*	7.4	10.8*	4.7	7.8*	3.3	5.2*	3.1	4.8*	7.7
	-3.0	13.8	16.2*	7.0	10.1*	4.5	6.2*			3.8	4.2*	6.8
	-4.5	9.8*	9.8*	5.1*	5.1*					2.8*	2.8*	5.3

Stick 2.95 m

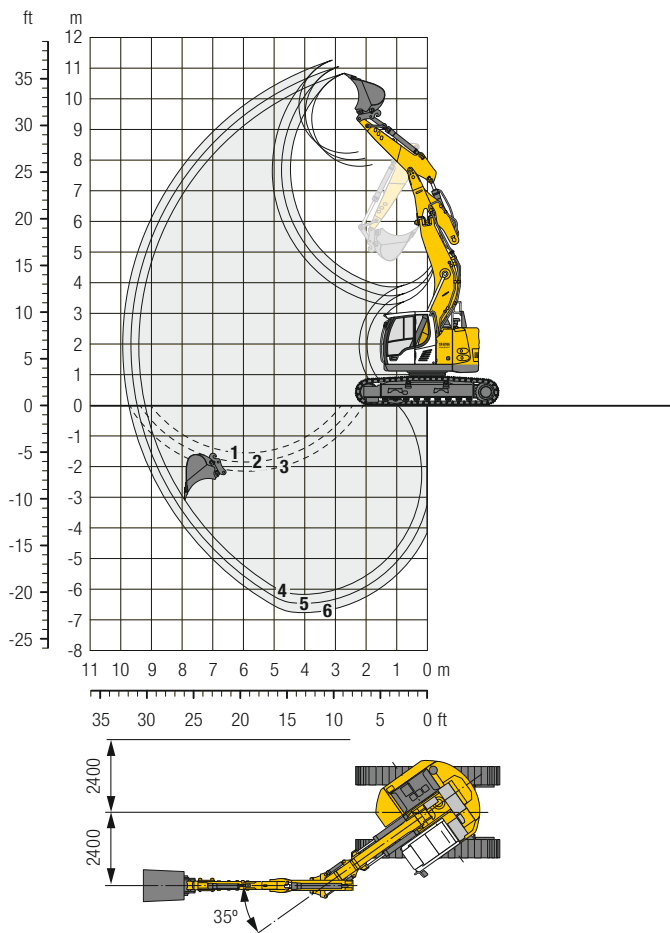
Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		Max. reach			
	m	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	m	m		
LC	9.0			5.6*	5.6*				4.8*	4.8*	4.9	
	7.5			6.4*	6.4*	5.4	5.6*		4.2*	4.2*	6.6	
	6.0	6.4*	6.4*	7.0*	7.0*	5.5	6.4*	3.6	4.6*	3.4	4.0*	7.7
	4.5	12.4*	12.4*	8.1	8.6*	5.4	6.8*	3.6	5.8*	2.9	4.1*	8.3
	3.0	13.9*	13.9*	7.9	9.8*	5.4	7.3*	3.5	5.9	2.6	4.2*	8.6
	1.5	13.9*	14.7*	7.8	10.4*	5.1	7.7*	3.4	5.9	2.5	4.5	8.7
	0	13.7	16.1*	7.3	10.5*	4.8	7.7*	3.2	5.7	2.5	4.6	8.5
	-1.5	13.0	16.7*	6.9	10.7*	4.4	7.9*	3.0	5.5	2.7	4.7*	7.9
	-3.0	12.8	16.5*	6.5	10.5*	4.1	6.8*			3.2	4.2*	7.1
	-4.5	11.6*	11.6*	6.4	6.5*					3.1*	3.1*	5.7
LC with blade	9.0			5.6*	5.6*				4.8*	4.8*	4.9	
	7.5			6.4*	6.4*	5.6*	5.6*		4.2*	4.2*	6.6	
	6.0	6.4*	6.4*	7.0*	7.0*	5.8	6.4*	3.9	4.6*	3.7	4.0*	7.7
	4.5	12.4*	12.4*	8.5	8.6*	5.7	6.8*	3.9	5.8*	3.1	4.1*	8.3
	3.0	13.9*	13.9*	8.2	9.8*	5.6	7.3*	3.8	5.9	2.9	4.2*	8.6
	1.5	14.6	14.7*	8.2	10.4*	5.5	7.7*	3.6	5.9	2.7	4.6*	8.7
	0	14.7	16.1*	7.8	10.5*	5.1	7.7*	3.4	5.8	2.8	4.7	8.5
	-1.5	14.0	16.7*	7.4	10.7*	4.7	7.9*	3.3	5.6*	3.0	4.7*	7.9
	-3.0	13.7	16.5*	7.1	10.5*	4.5	6.8*			3.5	4.2*	7.1
	-4.5	11.6*	11.6*	6.5*	6.5*					3.1*	3.1*	5.7

 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) 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 600 mm wide track pads with adjusting cylinder in optimal position. 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. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity. According to European Standard, EN 474-5: In the European Union excavators have to be equipped with an overload warning device, a load diagram and automatic safety check valves on hoist cylinders and stick cylinder(s), when they are used for lifting operations which require the use of lifting accessories.

Backhoe Bucket

with Mono Boom Offset 5.70 m and Counterweight 5.7 t



Digging Envelope

with quick coupler		4	5	6
Stick length	m	2,35	2,65	2,95
Max. digging depth	m	6,20	6,50	6,80
Max. reach at ground level	m	9,20	9,45	9,75
Max. dumping height	m	7,80	8,00	8,20
Max. teeth height	m	10,80	11,05	11,25

1 with stick 2.35 m
2 with stick 2.65 m
3 with stick 2.95 m
at max. attachment offset with vertical ditch walls

4 with stick 2.35 m
5 with stick 2.65 m
6 with stick 2.95 m
with set straight boom

Forces

without quick coupler		4	5	6
Max. digging force (ISO 6015)	kN	120	110	102
Max. breakout force (ISO 6015)	kN	140	140	140
Max. digging force (SAE J1179)	kN	113	105	97
Max. breakout force (SAE J1179)	kN	125	125	125

Operating Weight and Ground Pressure

The operating weight includes the basic machine with counterweight 5.7 t, mono boom offset 5.70 m, stick 2.95 m, quick coupler SWA 48 and bucket 0.80 m³ (635 kg).

Undercarriage		LC				
Pad width	mm	600	700	750	800	900
Weight	kg	26,250	26,750	26,950	27,050	27,500
Ground pressure	kg/cm ²	0.52	0.45	0.43	0.40	0.36

Undercarriage		LC with blade				
Pad width	mm	600	700	750	800	900
Weight	kg	28,000	28,500	28,700	28,800	29,250
Ground pressure	kg/cm ²	0.56	0.49	0.46	0.43	0.39

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

	Cutting width mm	Capacity ISO 7451 m ³	Weight ³⁾ kg	Weight ⁴⁾ kg	LC-Undercarriage (with track pads 600 mm)						LC-Undercarriage with blade (with track pads 600 mm)					
					Stick length (m)						Stick length (m)					
					without quick coupler			with quick coupler			without quick coupler			with quick coupler		
					2.35	2.65	2.95	2.35	2.65	2.95	2.35	2.65	2.95	2.35	2.65	2.95
STD ¹⁾	650	0.55	480	515	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	850	0.60	520	550	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,050	0.80	600	635	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,250	1.00	685	715	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,400	1.15	755	785	▲	▲	■	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,250	1.25	890	925	■	■	▲	■	▲	■	▲	▲	▲	■	■	■
	1,400	1.35	850	885	■	▲	■	▲	■	■	▲	■	■	■	■	▲
HD ²⁾	1,400	1.50	950	980	■	■	▲	■	▲	▲	■	■	■	▲	■	▲
	650	0.55	545	575	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	850	0.60	585	615	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,050	0.80	675	705	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,250	1.00	770	800	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	1,400	1.15	850	880	▲	▲	■	▲	■	▲	▲	▲	▲	▲	▲	■
	1,250	1.25	975	1,005	■	▲	▲	■	▲	■	▲	■	■	▲	■	▲
1,400	1.35	935	965	■	▲	▲	■	▲	■	▲	■	■	▲	■	▲	
1,400	1.50	1,090	1,120	■	▲	▲	▲	▲	▲	▲	▲	■	■	▲	▲	

* 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, ■ = ≤ 1.8 t/m³, ▲ = ≤ 1.65 t/m³, ■ = ≤ 1.5 t/m³, ▲ = ≤ 1.2 t/m³

Lift Capacities

with Mono Boom Offset 5.70 m, Counterweight 5.7 t and Track Pads 600 mm

Stick 2.35 m

Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		Max. reach			
	m	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	m	m		
LC	9.0	7.5*	7.5*						7.0*	7.0*	3.2	
	7.5	8.0*	8.0*	6.9*	6.9*				5.7*	5.7*	5.5	
	6.0	9.0*	9.0*	7.3*	7.3*	5.0	6.3*		4.1	5.5*	6.7	
	4.5	12.3*	12.3*	7.5	8.3*	4.8	6.7*		3.4	5.5*	7.4	
	3.0			6.7	9.6*	4.4	7.2*	3.2	3.0	5.3	7.8	
	1.5			6.1	10.3*	4.1	7.6*	3.0	5.5	2.8	5.1	7.8
	0			5.8	10.0*	3.9	7.4	2.9	5.4	2.9	5.3	7.6
	-1.5	11.0*	11.0*	5.8	9.0*	3.9	6.9*			3.2	5.6*	7.0
	-3.0	8.6*	8.6*	6.0	7.1*	4.0	5.2*			4.0	5.2*	6.0
	-4.5									3.6*	3.6*	4.3
LC with blade	9.0	7.5*	7.5*						7.0*	7.0*	3.2	
	7.5	8.0*	8.0*	6.9*	6.9*				5.7*	5.7*	5.5	
	6.0	9.0*	9.0*	7.3*	7.3*	5.4	6.3*		4.4	5.5*	6.7	
	4.5	12.3*	12.3*	8.0	8.3*	5.1	6.7*		3.6	5.5*	7.4	
	3.0			7.2	9.6*	4.8	7.2*	3.4	5.8	3.2	5.4	7.8
	1.5			6.6	10.3*	4.5	7.6*	3.3	5.6	3.1	5.2	7.8
	0			6.4	10.0*	4.3	7.5*	3.2	5.5	3.2	5.4	7.6
	-1.5	11.0*	11.0*	6.4	9.0*	4.3	6.9*			3.5	5.6*	7.0
	-3.0	8.6*	8.6*	6.5	7.1*	4.4	5.2*			4.4	5.2*	6.0
	-4.5									3.6*	3.6*	4.3

Stick 2.65 m

Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		Max. reach			
	m	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	m	m		
LC	9.0	7.1*	7.1*						5.9*	5.9*	3.8	
	7.5			6.5*	6.5*						5.9	
	6.0	7.4*	7.4*	6.9*	6.9*	5.1	6.1*		3.9	4.8*	7.0	
	4.5	11.5*	11.5*	7.7	8.0*	4.8	6.5*	3.3	5.7*	3.2	4.8*	7.7
	3.0			6.8	9.4*	4.5	7.1*	3.2	5.7	2.8	5.1	8.0
	1.5			6.2	10.2*	4.2	7.5*	3.0	5.5	2.7	4.9	8.1
	0	5.5*	5.5*	5.8	10.1*	3.9	7.4	2.9	5.4	2.7	5.0	7.9
	-1.5	10.7*	10.7*	5.8	9.2*	3.9	7.0*			3.0	5.4*	7.3
	-3.0	9.5*	9.5*	5.9	7.6*	4.0	5.7*			3.7	5.1*	6.4
	-4.5	5.5*	5.5*	4.4*	4.4*					4.1*	4.1*	4.8
LC with blade	9.0	7.1*	7.1*						5.9*	5.9*	3.8	
	7.5			6.5*	6.5*						5.9	
	6.0	7.4*	7.4*	6.9*	6.9*	5.5	6.1*		4.2	4.8*	7.0	
	4.5	11.5*	11.5*	8.0*	8.0*	5.2	6.5*	3.6	5.7*	3.4	4.8*	7.7
	3.0			7.3	9.4*	4.8	7.1*	3.5	5.8	3.1	5.1*	8.0
	1.5			6.7	10.2*	4.5	7.5*	3.3	5.6	2.9	5.0	8.1
	0	5.5*	5.5*	6.4	10.1*	4.3	7.5*	3.2	5.5	3.0	5.1	7.9
	-1.5	10.7*	10.7*	6.3	9.2*	4.2	7.0*			3.3	5.4*	7.3
	-3.0	9.5*	9.5*	6.4	7.6*	4.3	5.7*			4.0	5.1*	6.4
	-4.5	5.5*	5.5*	4.4*	4.4*					4.1*	4.1*	4.8

Stick 2.95 m

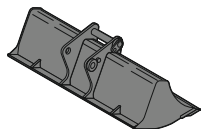
Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		Max. reach			
	m	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	Can be slewed through 360°	m	m		
LC	9.0								5.1*	5.1*	4.4	
	7.5			6.1*	6.1*	5.0*	5.0*		4.4*	4.4*	6.2	
	6.0	6.3*	6.3*	6.5*	6.5*	5.2	5.8*		3.6	4.2*	7.3	
	4.5	10.6*	10.6*	7.6*	7.6*	4.9	6.3*	3.4	5.5*	3.0	4.3*	8.0
	3.0			7.0	9.1*	4.5	6.9*	3.2	5.7	2.7	4.5*	8.3
	1.5			6.2	10.1*	4.2	7.4*	3.0	5.5	2.6	4.6	8.4
	0	6.1*	6.1*	5.8	10.2*	3.9	7.4	2.9	5.3	2.6	4.7	8.1
	-1.5	10.2*	10.2*	5.7	9.5*	3.8	7.1*	2.9	5.3	2.8	5.2	7.6
	-3.0	10.4*	10.4*	5.8	8.0*	3.9	6.0*			3.4	5.1*	6.7
	-4.5	6.6*	6.6*	5.2*	5.2*					4.3*	4.3*	5.2
LC with blade	9.0								5.1*	5.1*	4.4	
	7.5			6.1*	6.1*	5.0*	5.0*		4.4*	4.4*	6.2	
	6.0	6.3*	6.3*	6.5*	6.5*	5.5	5.8*		3.9	4.2*	7.3	
	4.5	10.6*	10.6*	7.6*	7.6*	5.3	6.3*	3.6	5.5*	3.3	4.3*	8.0
	3.0			7.5	9.1*	4.9	6.9*	3.5	5.7*	2.9	4.5*	8.3
	1.5			6.7	10.1*	4.5	7.4*	3.3	5.6	2.8	4.7	8.4
	0	6.1*	6.1*	6.4	10.2*	4.3	7.5*	3.2	5.5	2.8	4.8	8.1
	-1.5	10.2*	10.2*	6.3	9.5*	4.2	7.1*	3.1	5.4*	3.1	5.3*	7.6
	-3.0	10.4*	10.4*	6.4	8.0*	4.2	6.0*			3.7	5.1*	6.7
	-4.5	6.6*	6.6*	5.2*	5.2*					4.3*	4.3*	5.2

 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) 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 600 mm 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. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

According to European Standard, EN 474-5: In the European Union excavators have to be equipped with an overload warning device, a load diagram and automatic safety check valves on hoist cylinders and stick cylinder(s), when they are used for lifting operations which require the use of lifting accessories.

Available Tools



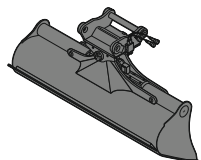
Rigid Ditch Cleaning Bucket

GRL 90, for direct mounting

Cutting width	mm	1,500	2,000	2,000	2,010	2,400
Capacity	m ³	0.50	0.45	0.70	0.85	0.85
Weight	kg	400	415	506	528	586

GRL 90, for mounting to quick coupler SWA 48

Cutting width	mm	1,500	2,000	2,000	2,400	
Capacity	m ³	0.50	0.70	1.20	0.85	
Weight	kg	430	520	640	610	



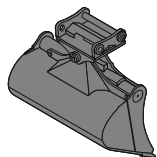
Ditch Cleaning Bucket

GRL 90, 2 x 50° tiltable, for direct mounting

Cutting width	mm	1,600	1,600	2,000	2,000	2,000	2,200	2,400
Capacity	m ³	0.55	0.80	0.50	0.70	1.00	0.80	0.85
Weight	kg	650	790	610	800	870	800	870

GRL 90, 2 x 50° tiltable, for mounting to quick coupler SWA 48

Cutting width	mm	1,600	2,000	2,000	2,200	2,200	2,200	2,400
Capacity	m ³	0.80	0.50	1.00	1.15	1.40	1.40	1.25
Weight	kg	850	690	940	980	1,000	1,000	1,000



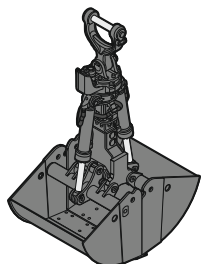
Tilt Bucket

SL 90, 2 x 50° tiltable, for direct mounting

Cutting width	mm	1,500	1,600	1,600		
Capacity	m ³	1.20	0.80	1.00		
Weight	kg	–	750	810		
Weight in HD-version	kg	870	–	–		

SL 90, 2 x 50° tiltable, for mounting to quick coupler SWA 48

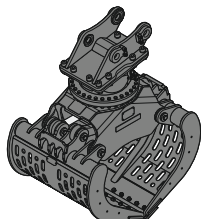
Cutting width	mm	1,500	1,600	1,600	1,600	1,600
Capacity	m ³	1.20	0.80	1.00	1.35	1.55
Weight	kg	–	820	890	–	–
Weight in HD-version	kg	970	–	–	970	1,120



Clamshells

GM 10B, earthmoving shell, for mounting to quick coupler SWA 48

Cutting width	mm	320	400	600	800	1,000
Capacity	m ³	0.17	0.22	0.35	0.45	0.60
Weight	kg	770	750	860	910	970



Sorting Grab

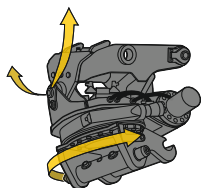
ribbed

perforated

stone tong

SG 25, for mounting to quick coupler SWA 48

Cutting width	mm	800	1,000	800	1,000	800
Capacity	m ³	0.50	0.65	0.55	0.75	0.55
Weight	kg	1,100	1,180	1,050	1,100	1,240



Tiltrotator

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

Weight	kg	720
Rotation		360°
Tilt		2 x 50°

Standard Equipment

Undercarriage

- Chain guide 1 piece
- Lashing eyelets
- Sprocket with dirt ejector
- Track rollers, lifetime-lubricated
- Tracks, sealed and greased
- Travel gear (B60)

Uppercarriage

- Engine hood with gas spring opening
- Handrail
- Manual main switch
- Non slip surfaces
- Service doors, lockable
- Sound insulation
- Swing brake lock, maintenance-free
- Swing drive oil tank
- Tool set 29 pieces

Hydraulic System

- Filter with integrated fine filter area
- Liebherr hydraulic oil
- Magnetic rod
- Positive Control system with 2 independent circuits
- Pressure storage for controlled lowering of equipment with engine turned off
- Pressure test ports for hydraulic
- Shut-off valve between hydraulic tank and pumps
- Work mode selector

Engine

- Common-Rail injection system
- Conform with stage IV / Tier 4 Final emission standard
- DOC/SCR exhaust gas after-treatment system
- Engine idling / engine speed increase, automatic, proximity sensor-controlled
- Fixed geometry turbo charger
- Fuel fine filter
- Fuel pre-filter and water separator
- Intercooler
- Stepless adjustable engine speed

Operator's Cab

- 7" colour multifunction display with touchscreen
- Air conditioning, automatic, positive pressure ventilation
- Air filter box cabin accessible from the ground
- Cigarette lighter
- Coat hook
- Cup holder
- Emergency hammer
- Engine oil level monitoring on touchscreen
- Fuel and AdBlue® consumption and level indicators on touchscreen
- Headlights on cab, front, halogen, 2 pieces
- Hydraulic suspension
- Impact-resistant roof window
- Interior light
- LIDAT
- Mechanical hour meters, readable from outside the cab and from the ground
- Operator seat Comfort with longitudinal and vertical damping
- Preparation for radio installation
- Rain hood over front window opening
- Rear view monitoring camera
- Rear window emergency exit
- Rearview mirror
- Retractable seat belt 51 mm
- Right hand side view monitoring camera
- Right window and windshield with laminated safety glass
- Roll-down sun blinds (front and roof windows)
- ROPS safety cab structure (ISO 12117-2)
- Rubber floor mat
- Sliding windows in cab door
- Storage bin
- Storage nets
- Storage spaces
- Tiltable console left
- Tinted windows
- Windscreen, totally or partially retractable
- Wiper / washer

Attachment

- Boom cylinders oil regeneration
- Headlight on boom, right, halogen, 1 piece
- Liebherr central lubrication system, fully-automatic (except connecting link for bucket kinematics)
- Load valve for hoist cylinders (on distributor)
- Load valve for stick cylinder (on distributor)
- Stick cylinder oil regeneration

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

Options

Undercarriage

Chain guide 3 pieces
Dozer blade
Drawbar pull increase
Lockable storage compartment
Reinforced cover and base plate for undercarriage centre section
Rubber track pads
Special painting
Steps, wide version
Track pads triple grouser 600 mm
Track pads triple grouser 700 mm
Track pads triple grouser 750 mm
Track pads triple grouser 800 mm
Track pads triple grouser 900 mm
Travel gear, reinforced (D6C)

Uppercarriage

Additional headlights on uppercarriage, front, halogen or LED, 2 pieces, protections included
Amber beacons on counterweight, LED, 2 pieces
Bottom protection for uppercarriage
Cab walkway, foldable
Electric socket on uppercarriage (24 V)
Extended tool set 40 pieces (incl. tool box)
Fine filter protection grid for radiator
Fuel anti-theft device
Pre-heating system for fuel (24 V)
Preparation for machine guidance system
Refuelling pump (electrical)
Reversible fan drive
Special painting

Hydraulic System

Bypass filter for hydraulic oil
Filter for hydraulic hammer return flow
Liebherr hydraulic oil, adapted for extreme climate conditions
Liebherr hydraulic oil, biodegradable

Engine

Air pre-filter with cyclonic dust trap
Automatic engine shut-down after idling
Engine shut-down self-timer
Particle filter

Operator's Cab

4-points seat belt
Acoustic travel alarm
Additional headlights cab, front and/or rear, halogen or LED, 2 pieces
Adjustable intensity headlights (LED)
Amber beacon on cabin
Auxiliary heater programmable
Bottom windscreen wiper
Cool box (12 V)
Dark tinted windows
Electronic immobilizer
Emergency stop button in cab
Falling objects protection structure FOPS

Operator's Cab

Fire extinguisher
First-aid box
Follow me home headlights
Footrest
Front guard protection structure FGPS
Front guard protection structure FGPS swivelable
Handrests
Headlights on cab, front, LED, 2 pieces
Impact-resistant 1 piece windscreen
Integral protection guard FGPS + FOPS
Liebherr proportional control (mini-joysticks 2 axis)
Light rail on cab
Operator seat Premium with integrated ventilation and low frequency vibrations filtration
Radio Comfort Bluetooth®
Retractable seat belt 76 mm, orange colour
Roof window wiper
Seat belt indicator
Skyview 360°
Special painting
Sun visor
Sunshield on cab roof
Switchable high-pressure control
Windscreen bottom protection guard

Attachment

Additional headlight on boom, left, halogen or LED, 1 piece
Automatic lubrication system for connecting link
Bottom protection for stick
Eyelet on stick
Floating boom
Headlight on boom, right, LED, 1 piece
Headlights protection
High pressure circuit
Hoist cylinder stroke limitation, adjustable
Hydraulic circuit for grapple
Leak return line for tools
Liebherr bucket range
Liebherr quick coupler SWA 48, hydraulic or mechanical
Liebherr tooth system
LIKUFIX for quick coupler SWA 48
Load holding valve for bucket cylinder
Lubricant hoses protection on stick
Medium pressure circuit
Mono boom 5.70 m
Mono boom offset 5.70 m
Overload warning device
Preparation for weighing system
Protection for piston rod, adjusting cylinder
Protection for piston rod, bucket cylinder
Safety check valves for hoist cylinder
Safety check valves for stick cylinder
Security for hoist cylinders
Special painting
Stick 2.35 m
Stick 2.65 m
Stick 2.95 m
Stick cylinder stroke limitation, adjustable
Tool Control, 10 tool adjustments selectable over the display
Tool Management, automatic tool recognition (in combination with LIKUFIX)
Two-piece boom 6.00 m

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

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

Liebherr-France SAS

2 avenue Joseph Rey, B.P. 90287, FR-68005 Colmar Cedex
 ☎ +33 389 21 30 30, Fax +33 389 21 37 93
 www.liebherr.com, E-Mail: info.lfr@liebherr.com
 www.facebook.com/LiebherrConstruction