

Excavators Electric Material Handlers

ER 934 C - ER 954 C

ER 934 C Operating Weight: 38,050 – 39,450 kg

ER 944 C Operating Weight: 52,050 – 53,750 kg

ER 954 C Operating Weight: 63,900 – 76,200 kg



LIEBHERR

ER 934 C Litronic

Operating Weight: 38,050 – 39,450 kg
Engine Capacity: 160 kW/218 PS

ER 944 C Litronic

Operating Weight: 52,050 – 53,750 kg
Engine Capacity: 200 kW/272 PS

ER 954 C Litronic

Operating Weight: 63,900 – 76,200 kg
Engine Capacity: 250 kW/340 PS



Performance

These new electric Material Handlers have been designed to meet the specific needs of industrial handling. A wide range of equipment and uppercarriages optimized for long working radius provide the ideal answer to all the demands which arise in the industry.

The performance of the kinematic chain formed from components from our in-house production, combined with the power of the electric motor, maximize the performance of the machine when it comes to lifting power, precision, and speed of operation. The equipment's performance is enhanced by the mobility provided by the crawler undercarriage.

Reliability

Backed by more than 30 years experience in the construction of electric excavators, Liebherr designed the new ER 934 C, ER 944 C and ER 954 C with the aim of providing top performance whatever the challenge might be. The structure of the machine, using components from our own manufacture for the electric drive, has been completely rethought, and so moves away from simply being an adaptation of a diesel-engine machine. Being intended for key functions in the organization of industrial sites, Liebherr electric Material Handlers provide a very high level of reliability. The service life of the hydraulic components has also been increased, thanks to the smoother movement of the electric drive. The concept of the single actuator (one single electric motor for all the hydraulic functions) allows all the low-voltage functions to be concentrated in a single box.

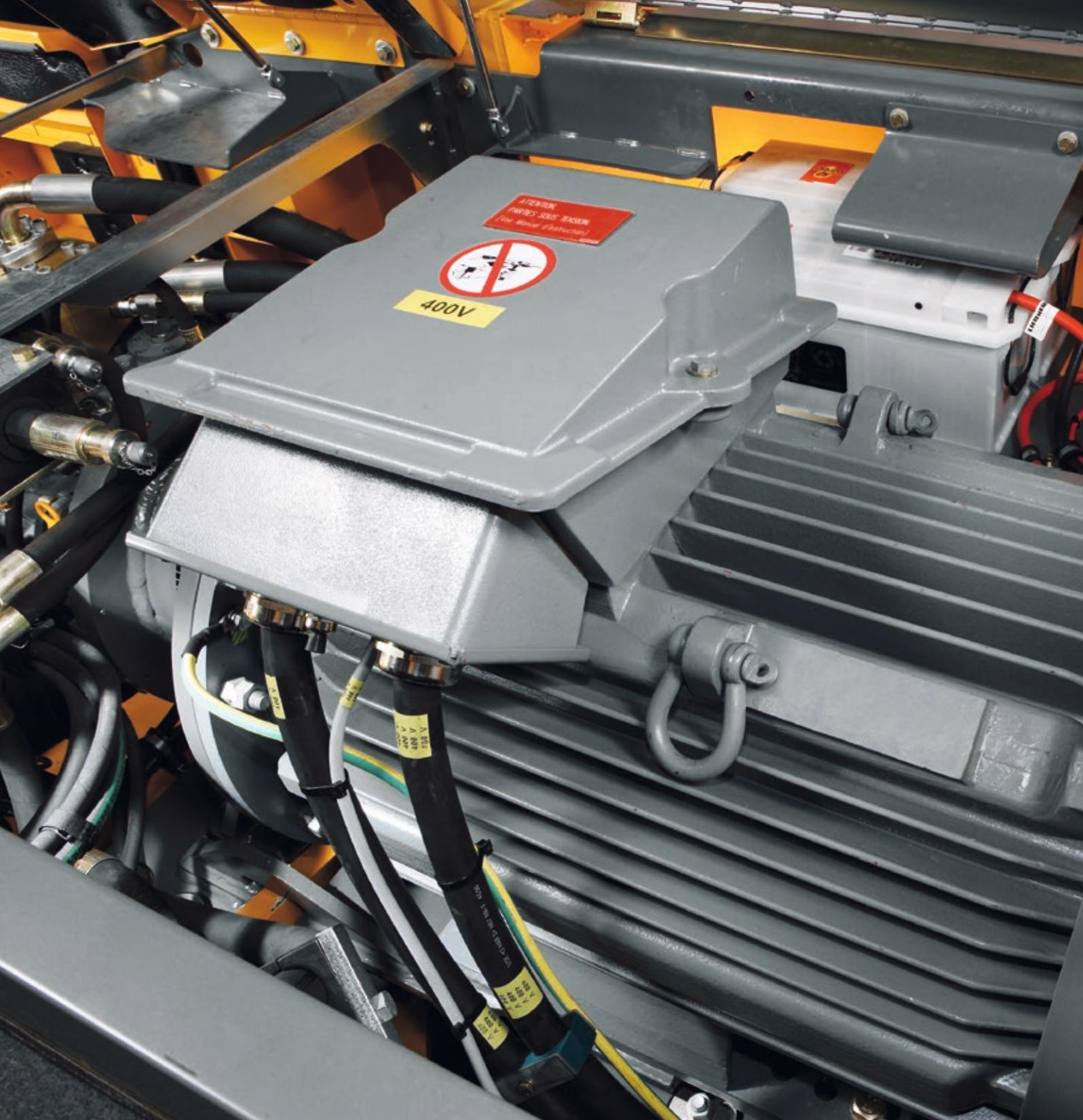
Comfort

Helping the operator to concentrate on his work and get the best out of his machine is achieved by providing a comfortable driving position, good visibility, and a highly ergonomic layout of the controls. The new electric Material Handlers offer the same level of comfort as on the mobile excavators (arrangement of the controls, driver's seat, climate control, large window areas, etc.). The electric motor system adds a further layer of comfort thanks to the low noise emissions and absence of vibration. For Liebherr, comfort also means ease of daily maintenance of the machine in terms of access to the service and inspection points, so as to minimize down time.

Economy

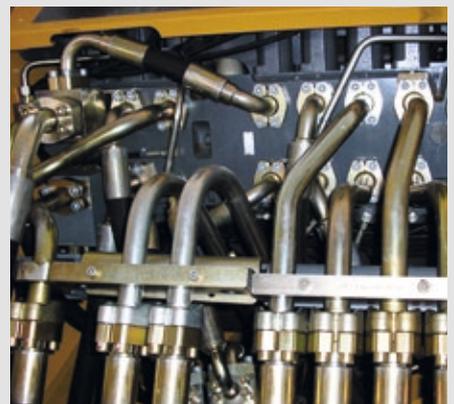
Investing in the acquisition of an electric Material Handler is a great long-term advantage. Constant increases in the costs of conventional energy sources are pushing up operating charges, and reducing profit margins considerably. Environmental criteria, in particular CO₂ emissions, are also playing a constantly greater part in the choice of power systems and working methods. With the electric drive, Liebherr offers an economical alternative to conventional diesel-engine machines, and a solution with real respect for the environment. Also, the excavator is permanently available, with no need to refill. There are no constraints (e.g. DPF or AdBlue).





Side or rear cable opening for freely positioning the cable on the ground

- Power supply through multicore wiring cable entrance (funnel-shaped) especially designed for travelling machines
- For longer distances a cable reel can be proposed as an option
- Heavy duty connecting box fitted on the middle piece of the undercarriage with switching system



Performance

These new electric Material Handlers have been designed to meet the specific needs of industrial handling. A wide range of equipment and uppercarriages optimized for long working radius provide the ideal answer to all the demands which arise in the industry. The performance of the kinematic chain formed from components from our in-house production, combined with the power of the electric motor, maximize the performance of the machine when it comes to lifting power, precision, and speed of operation. The equipment's performance is enhanced by the mobility provided by the crawler undercarriage.

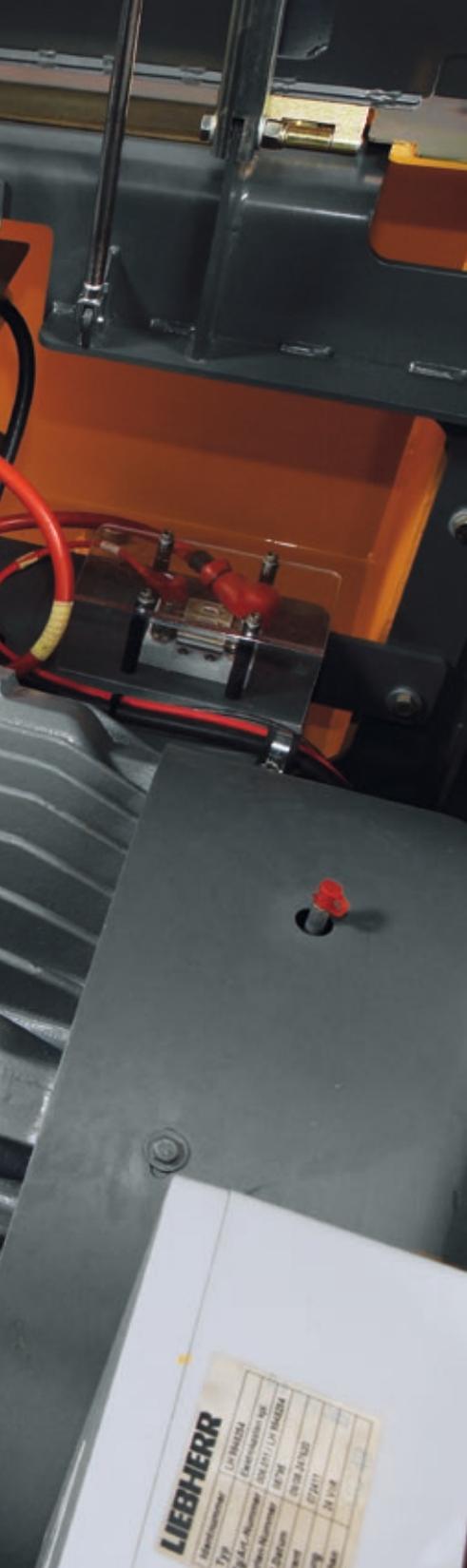
Exceptional lift capacity Thanks to optimized kinematics and uppercarriage, the machines offer extended reach and balance with a better absorption of mechanical forces.

Excellent Working Radius Designed for the most demanding applications, the machines offer extended reach and lift capacity in wide working radius.

Fast work cycles The ER 934 C, ER 944 C and ER 954 C electric excavators are fitted with the Liebherr Torque Control system. The hydraulic guidance system on the excavator operates as a closed circuit, and does not affect the speed of movement of the equipment during the working cycle. The high torque and high oil delivery from the guide pump maximize the excavator swing speed.

A two-pump hydraulic system allows for operating speeds to be reached which are unequalled anywhere. Regeneration on the circuits for the equipment allows for optimization of the hydraulic power available and minimizing response time to the operator's commands.

Precision The hydraulic control allows for exceptional precision - even at extended reach - contributing to the confidence of the operator and achieving high performance as a result.



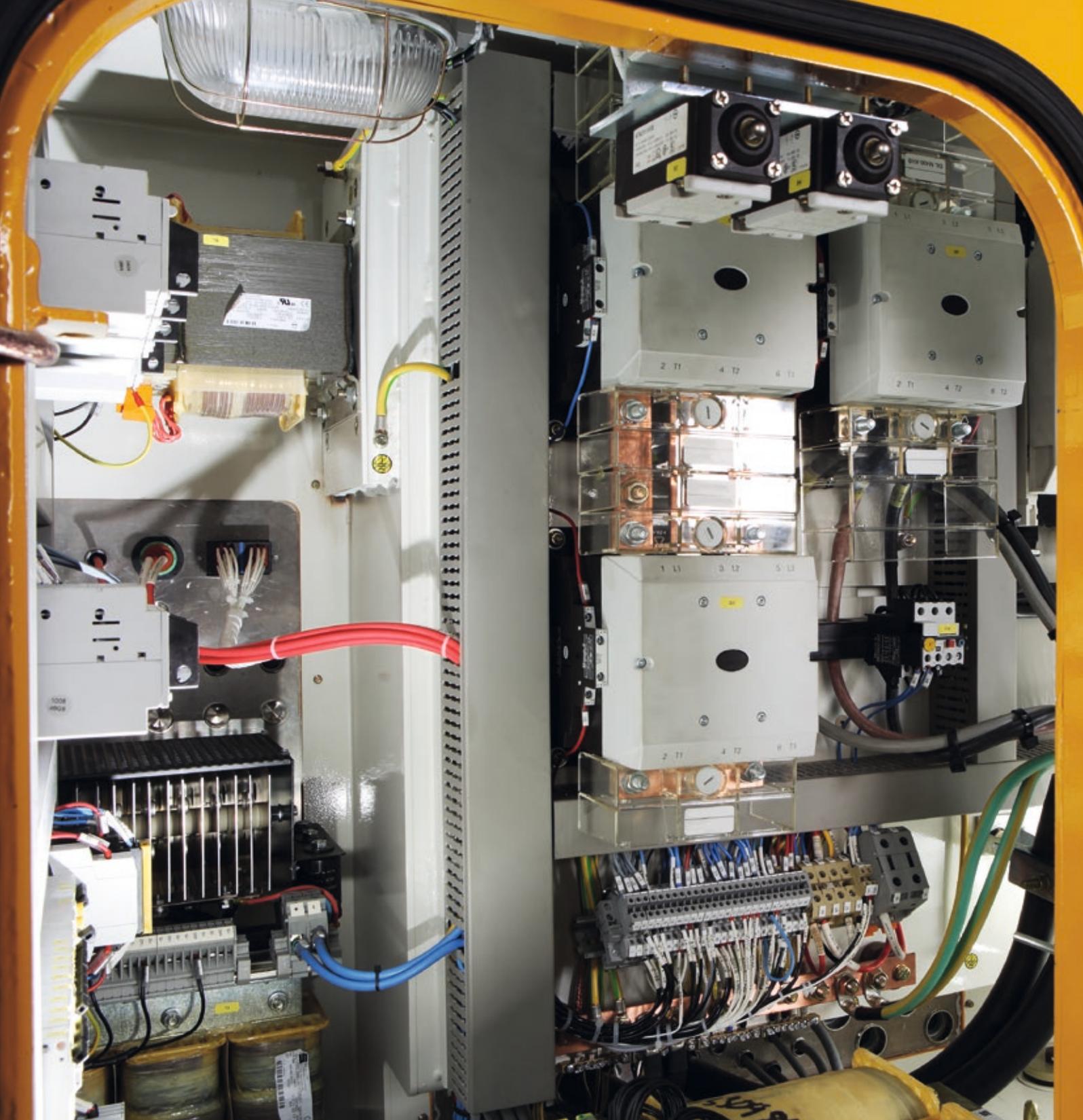
Distributor

- Fine response of hydraulic control for maximum working precision
- Immediate response to operator's commands
- Three-pump hydraulic system, one of which is a closed circuit dedicated to uppercarriage swing



High strength structure

- High strength steel sheet at points subject to severe stress.
- Stable mounting of equipment elements
- Exceptional strength, even under intense loading



Reliability - Safety

- Automatic Power cut off if the cabinet doors are opened
- Automatic power cut off in the event of any anomalies (electric motor or its bearings overheating)
- Active safety on the transformers in the electric cabinet
- Possible to lock with padlock



Reliability

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Electrical system

Totally integrated into the structure of the uppercarriages and accommodated in a metal container, the electric cabinet provides a three-fold level of protection to the components of the electrical system:

- Mechanical (insulation from vibrations and from the possible impact of falling objects)
- Heat (maintains a constant temperature thanks to the heating resistors which prevent corrosion from condensation)
- Electrical earthing of the structure and disconnection from current is controlled from the cab by way of a motorised circuit-breaker.

Protected electric cabinet

The electric cabinet, such as the collecting pipe, provides IP55 class protection. A filtered ventilation system which avoids any dust penetration and, with permanent ventilation, ensures the thermal balance of all the components.

Electric motor

Liebherr electric excavators are equipped with motors especially designed for really tough applications. The dimensions of the motor allow for the full power to be drawn from the kinematic chain, and so maximises the performance of the machine especially in the combined movements. The motor can resist a momentary overload of up to +25 % of its rated capacities. Protected against penetration by water and dust, its properties correspond to protection class IP55.

The temperature of the roller bearings and other bearing elements is constantly monitored, and, in the event of overheating, the operator is warned of malfunction on the console at the driving position.

Cooling system

- Generous dimensions for high cooling capacity
- Vertical arrangement for increased efficiency and minimal incursion of foreign bodies
- Powered by a thermostatically regulated hydraulic motor
- Hinged to allow for complete cleaning
- Reversible actuation of the fan (without time limit) as option



Undercarriage

- The undercarriages are those of the EW or S-EW diesel machines for industrial applications, flat or ribbed tiles
- The undercarriages are designed and built especially for electric excavators:
 - side cable opening
 - armoured junction box
 - electrical collecting pipe



Cab with control panel

- The command arrangement for putting the electrical system under voltage is progressive (3 functions) and the emergency stop button allows for the general cutting of the electric cabinet supply
- Available as an option is a cut off system deriving from one source point, which can be activated from the driving position via an additional rotating joint



Comfort

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Driving position

Mounted as standard on a fixed platform of 1,200 mm (2,000 mm or hydraulic platform on request), the new cab on the electric excavators meets all safety standards in force (24 V supply in the operator's compartment), comfort, panoramic visibility, and ergonomic arrangement of the controls for perfect control of the machine.

Low noise emissions

Liebherr electric excavators are really quiet in operation. Their measured acoustic level is from 4 to 5 dB lower than an equivalent diesel-engine version. The level of noise intensity from a Liebherr electric excavator represents less than a third of the noise generated by a diesel-engine unit.

Carbon gas emission

Zero grams of CO₂ emitted per tonne of product handled!



Climate control entirely automatic

- Automatic climate control ensures a level of comfort similar to a private car
- Two sensors for precise temperature regulation
- Ventilation flaps can be adjusted at the touch of a button
- Rapid demisting and defrosting of the windscreen thanks to the «reheat» function



Parallelogram hydraulic lift

- Improved visibility of the operator over his workspace



Wide range of solutions

- Modular arrangement for rapid changeover
- Liebherr quick-coupling system, mechanical and hydraulic, for efficient equipment changeover
- Quick-coupling arrangement for hydraulic lines (Multi-Coupler)
- Complete range of grapples
- Range of different wood grapples and grab buckets from Liebherr



Economy

Investing in the acquisition of an electric Material Handler is a great long-term advantage. Constant increases in the costs of conventional energy sources are pushing up operating charges, and reducing profit margins considerably. Environmental criteria, in particular CO₂ emissions, are also playing a constantly greater part in the choice of power systems and working methods. With the electric drive, Liebherr offers an economical alternative to conventional diesel-engine machines, and a solution with real respect for the environment. Also, the excavator is permanently available, with no need to refill. There are no constraints (e.g. DPF or AdBlue).

Flexibility and versatility Liebherr electric Material Handlers are multi-tasking machines. With a wide range of tools, which can be combined with Liebherr quick-coupling systems, they can create a degree of flexibility and versatility which has no comparison anywhere.

Energy costs cut The energy yield from an electric motor is greater than that of a diesel-engine. Delivering the same kW output in hydraulic power costs three to five times less with an electric excavator than with a diesel-engine unit. Liebherr excavators deliver the full power from their kinematic chain and at a lot less cost.

Increased service life The smooth actuation of the electric drive and the reliability of Liebherr hydraulic components mean that the maintenance costs of the excavator can be reduced considerably. The absence of vibrations and variations in output from a motor, which operates on a torque principle and at constant output, means that the stress on the kinematic chain can be reduced and the optional pre-heating of the hydraulic system allows for the hydraulic oil to be kept at an optimum temperature right from the start.

Maximum availability The costs associated with maintenance operations are reduced to a minimum, and that also cuts downtimes. The electric motor does not require any maintenance beyond lubrication of the bearings every 3,000 hours. No filters (air, oil) to be changed and no draining of engine oil throughout the entire service life of the machine.

Kinematic chain made by Liebherr

- Constant provision of power for the kinematic chain
- Reduced wear of hydraulic components
- Optimum exploitation of the hydraulic power potential of the system

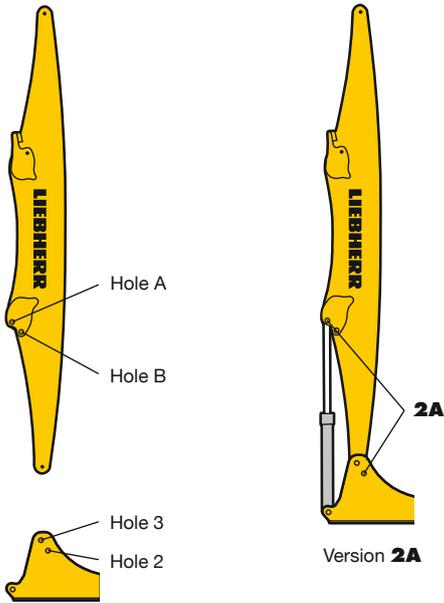


Backhoe stick with sorting grapple

- Numerous combinations are associated with Liebherr's wide range of tools (straight and angled mono boom, sticks and industrial sticks, etc.)

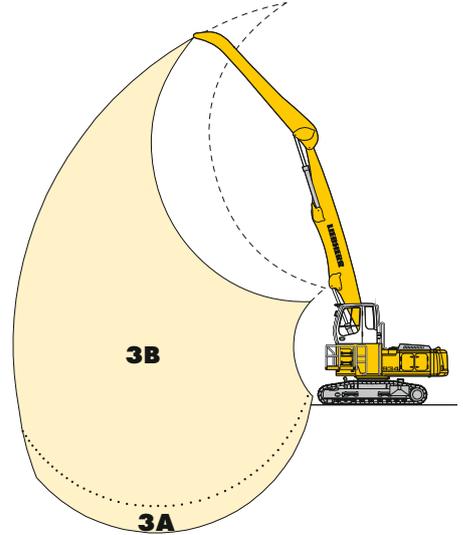
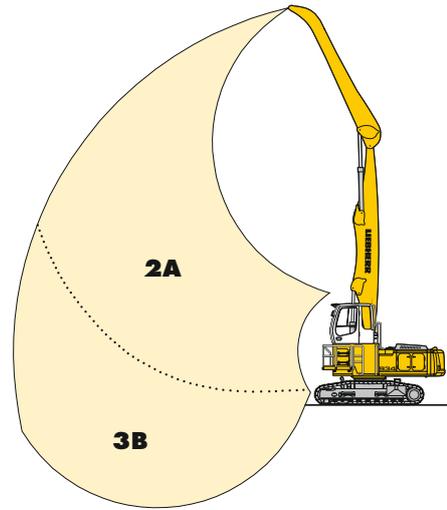
VarioLiftPlus

Variable Boom Mounting Positions for Optimized Lift Capacities



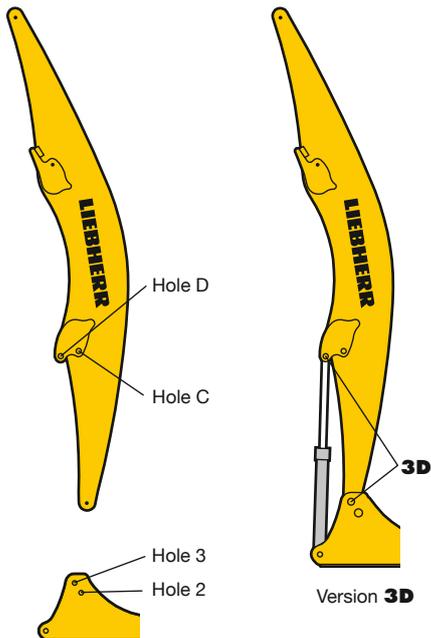
with **the same** working range

with a **different** working range

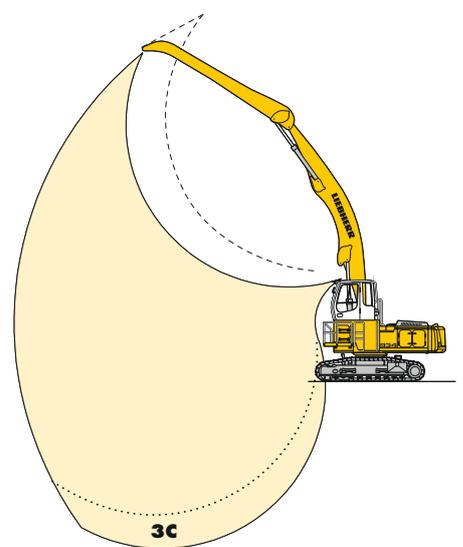
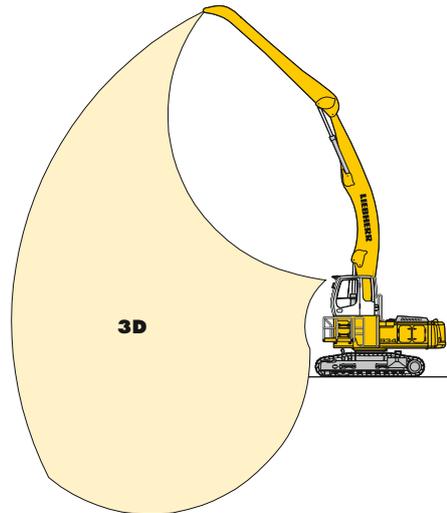


Kinematic variant 2A:
Increased lift capacities above ground level
Kinematic variant 3B:
Increased lift capacities below ground level and when working at large outreach

Kinematic variant 3A:
Altered range curve with additional reach depth, e.g. for unloading from ships



with a **different** working range



Kinematic variant 3D:
Increased lift capacities below ground level and when working at large outreach

Kinematic variant 3C:
Altered range curve with additional reach depth, e.g. for unloading from ships

Technical Data



Electric Motor

Engine	induction motor dedicated definition Liebherr		
	934	944	954
Power rating (as per CEI 34-1)	160 kW (217 HP)	200 kW (272 HP)	250 kW (340 HP)
Rated voltage	400 V – 50 Hz*		
Number of poles	4		
Design type	horizontal axle B35 axle height 315 mm		
Standard degree of protection	IP55		
Insulation	class F		
Cooling	IC06		
Heat protection for windings			
Heat protection for bearings			
Anti-condensation heating system resistors			



Electric System

The 400 V electrical cabinet provides a degree of protection to IP55. This houses the following components:

- Main contactor – remote control inside the cab
- Star/delta starter for motor
- Outlets for supplying auxiliary elements: heating, climate control
- Overheat protection devices
- Integrated heating and ventilation
- Filtered booster
- Transformers – rectifier for 24 V control circuit
- Motor protection
- Auxiliary batteries: 2 x 135 Ah/12 V: secured functions: lighting for excavator/attachment position (option)
- Connecting inside closed panel
- Equipment: slip ring collector
power connector
embedded cable reel



Hydraulic System

	934	944	954
Hydraulic pump for the attachment	two Liebherr swash plate pumps with variable output		
Max. flow	2 x 253 l/min.	2 x 305 l/min.	2 x 341 l/min.
Max. pressure	350 bar		
Pumpenansteuerung	electro-hydraulic, with electronic regulation by power limit, minimum pump flow at max. pressure, distribution of oil to different receptor components proportional to demand		
Hydraulic pump for the swing drive	reversible swash plate pump, in closed circuit		
Max. flow	170 l/min.	205 l/min.	205 l/min.
Max. pressure	370 bar		
Hydraulic tank	340 l	460 l	440 l
Hydraulic system	550 l	710 l	790 l
Filtration	934: filter in the return circuit, with integrated fine filter elements (5 µm) 944/954: 2 filters in the return circuit, with integrated fine filter elements (5 µm)		
Cooling	radiator equipped with hydrostatic drive fan for cooling the hydraulic oil and climate control condenser		
Tool Control	10 flow rates and pressures adjustable as option for optional accessories		



Hydraulic Controls

Power distribution	with the aid of hydraulic distributors with integrated safety valves
Flow summation	to boom stick and stick
Closed-loop circuit	for uppercarriage swing drive mechanism
Control	
Attachment and swing	proportional by handling element in cross operation
Travel	proportional by pedals or by lever
Additional functions	proportional by pedals or by toggle switch



Swing Drive

Drive by	hydraulic swash plate motor with integrated brake valves		
Transmission	Liebherr compact planetary reduction gear		
Swing ring	Liebherr, sealed single race ball bearing swing ring, internal teeth		
	934	944	954
Swing speed	0 – 9.4 RPM	0 – 7.9 RPM	0 – 5.6 RPM
	stepless	stepless	stepless
Swing torque	81.07 kNm	119 kNm	167.23 kNm
Holding brake	oil-bath disk brake (negative action)		
Option	pedal controlled positioning brake		



Operator's Cab

Cab	single shell concept with shaped profiles, resiliently mounted, sound insulated, tinted windows. Front window can be folded away under roof, door with sliding window		
Operator's seat	shock absorbing suspension, adjustable to operator's weight, 6-way adjustable seat integrated into adjustable seat consoles		
Controls	menu driven digital display of current operating conditions. Automatic monitoring, display, warning (audible and visual signal) and saving of machine malfunction data, such as overheating of windings, motor bearings, or low hydraulic oil level		
Monitoring	standard climate control system, combined cooler/heater, additional dust filter in the outside/fresh air circuit		
Climate control			
Noise emission ISO 6396	934	944	954
L_{pA} (inside cab)	66 dB(A)	65 dB(A)	67 dB(A)
2000/14/EC			
L_{WA} (surround noise)	102 dB(A)	103 dB(A)	105 dB(A)



Undercarriage

Versions	934: EW special material handling, extra wide gauge 944: S-EW special material handling, extra wide gauge, reinforced track components 954: S-EW removable side frames, extra wide gauge		
Drive	Liebherr swash plate motors with integrated brake valves on both sides		
Transmission	Liebherr planetary reduction gears		
	934	944	954
Travel speed	2.8 km/h	2.8 km/h	2.6 km/h
Drawbar pull max.	323 kN	429 kN	478 kN
Track components	maintenance-free	maintenance-free	maintenance-free
	B 60	D 7 G	D 7 G
Track rollers/Carrier rollers	9/2	10/2	13/3
Tracks	sealed and greased		
Track pads	triple grouser		
Digging locks	wet multi-discs (spring applied, pressure released)		
Brake valves	integrated into travel motor		



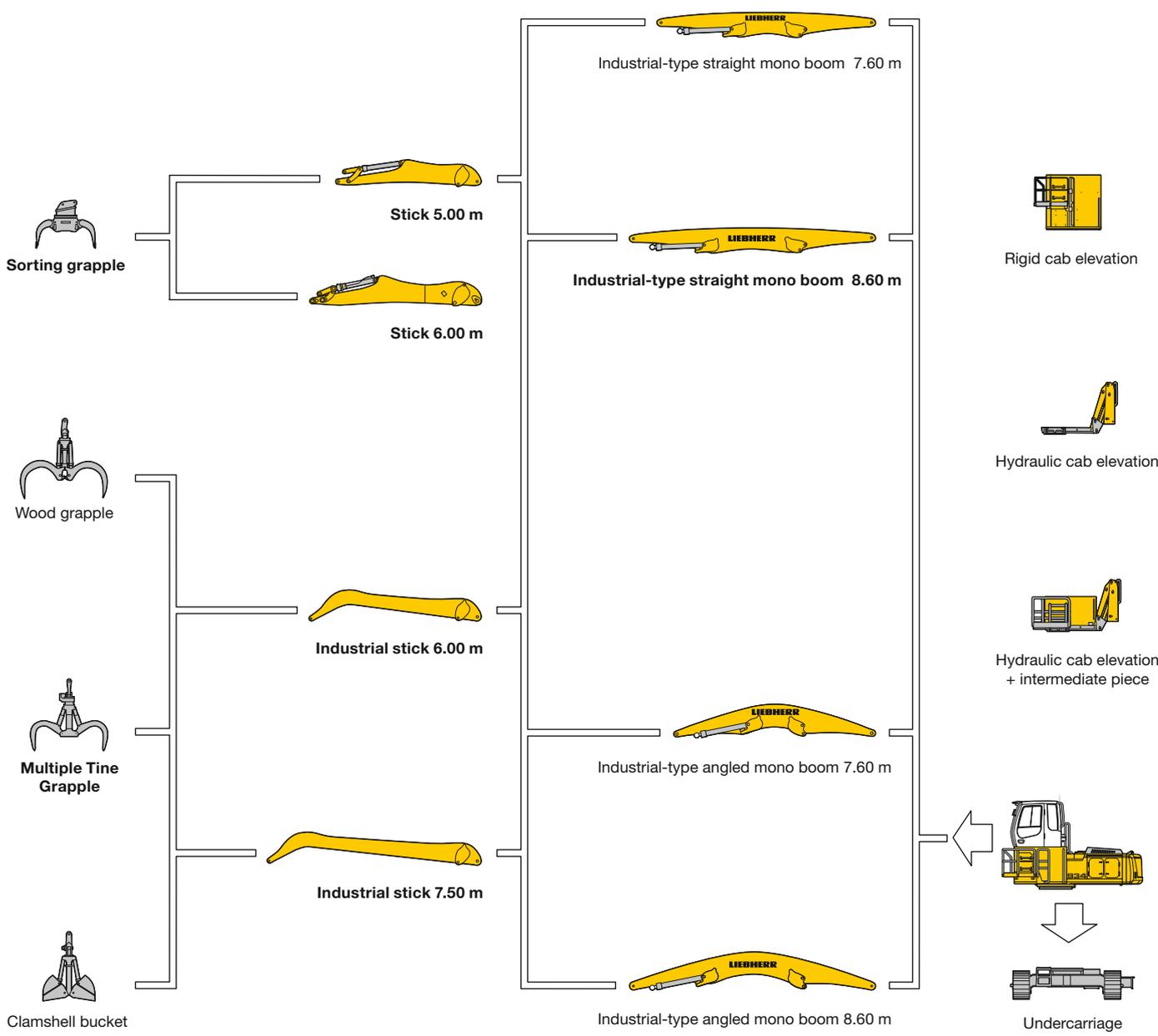
Attachment

Type	high-strength steel for extreme stresses. Bearings designed for optimum distribution of stresses
Hydraulic cylinders	Liebherr cylinders with end-of-travel shock absorbing, fitted with guide and sealing joints
Pivots	sealed, low maintenance
Lubrication	centralised semi-automatic Liebherr lubrication system
VarioLiftPlus	variable boom mounting positions for optimized lift capacities

* Other voltages and frequencies possible on request.

The Right Attachment for Every Application

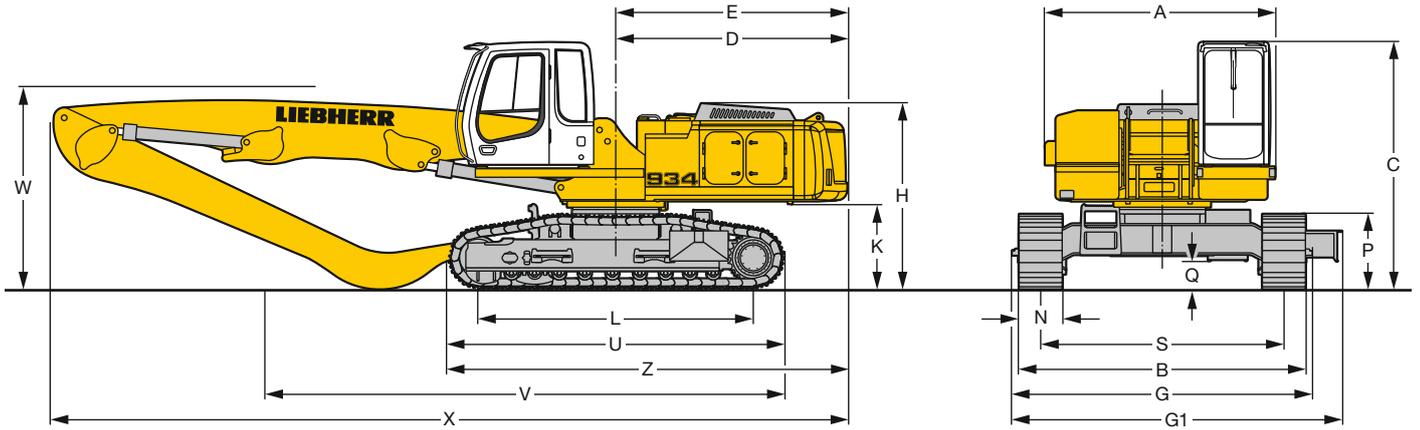
ER 934 C



For further information please contact your Liebherr dealer.

Dimensions

ER 934 C

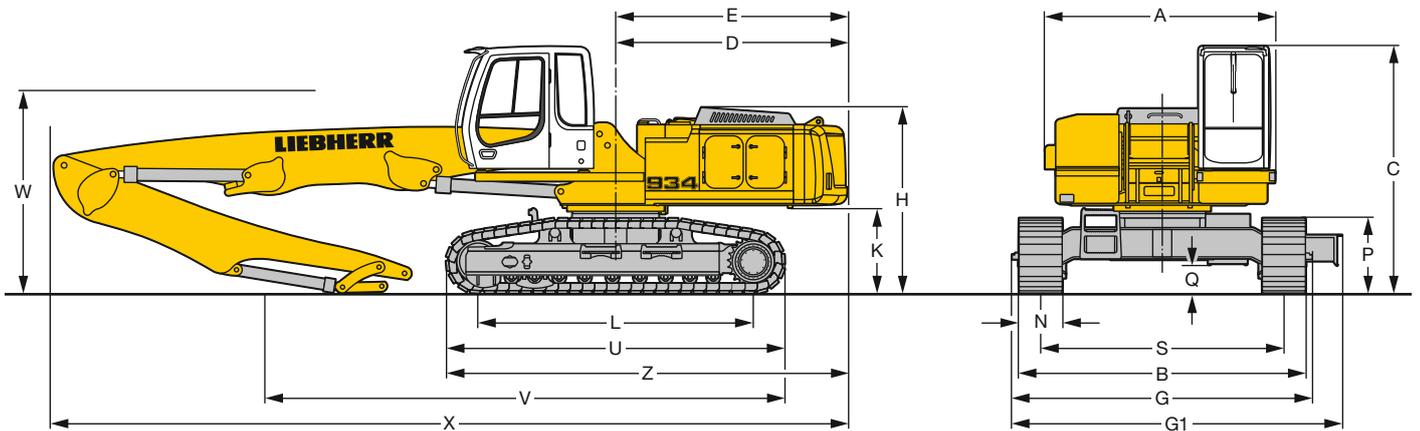


	mm		
A	3,225		
C	3,480		
D	3,240		
E	3,240		
H	2,615		
K	1,200		
L	3,848		
P	1,056		
Q	400		
S	3,400		
U	4,720		
N	500	600	750
B	3,998	4,000	4,150
G	4,195	4,195	4,195
G1	4,610	4,610	4,610
Z	5,600		

Industrial-Type Straight Mono Boom 8.60 m and Industrial Stick			
V	m	6.00	7.50
W	mm	6,700	5,600
X	mm	2,800	4,200
X	mm	12,200	12,050

Industrial-Type Straight Mono Boom 8.60 m and Stick			
V	m	5.00	6.00
W	mm	6,200	5,500
W	mm	2,550	3,050
X	mm	11,200	11,150

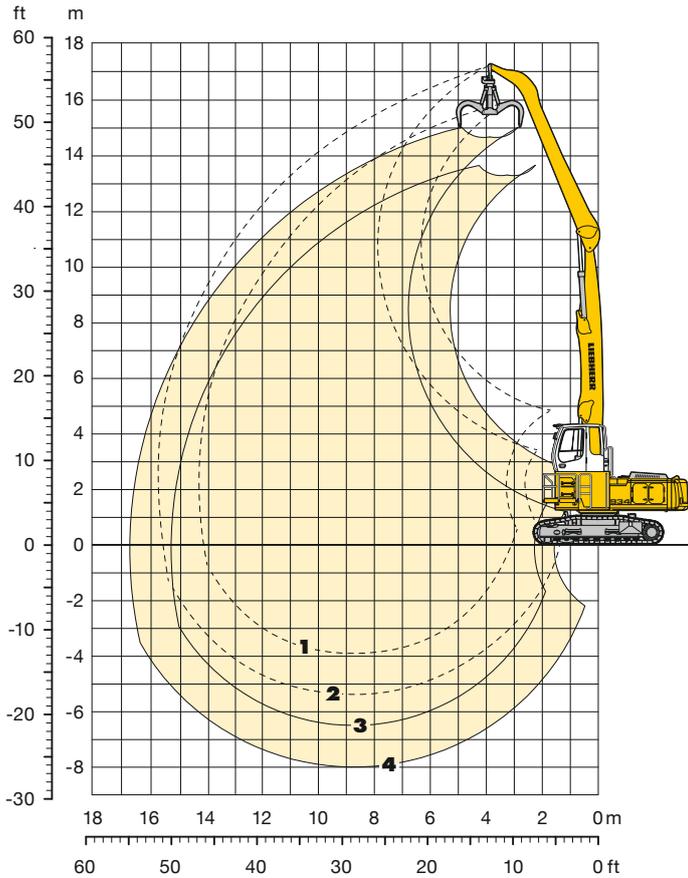
E = Tail radius



Industrial Attachment

with Industrial-Type Straight Mono Boom 8.60 m

ER 934 C



Attachment Envelope

Kinematic variant 2A

- 1 with industrial stick 6.00 m
- 2 with industrial stick 7.50 m
- 3 with industrial stick 6.00 m and grapple model GM 65
- 4 with industrial stick 7.50 m and grapple model GM 65

Operating Weight and Ground Pressure

Operating weight includes basic machine with rigid cab elevation 1.20 m, counterweight 7.5 t, industrial-type straight mono boom 8.60 m, industrial stick 6.00 m and grapple model GM 65 with 5 semi-closed tines 0.60 m³ (1,415 kg).

Undercarriage		EW	
Pad width	mm	600	750
Weight	kg	38,050	38,550
Ground pressure	kg/cm ²	0.83	0.67

Operating weight includes basic machine with rigid cab elevation 1.20 m, counterweight 7.5 t, industrial-type straight mono boom 8.60 m, industrial stick 7.50 m and grapple model GM 65 with 5 semi-closed tines 0.60 m³ (1,415 kg).

Undercarriage		EW	
Pad width	mm	600	750
Weight	kg	38,100	38,600
Ground pressure	kg/cm ²	0.83	0.67

Lift Capacities

with Industrial-Type Straight Mono Boom 8.60 m

ER 934 C

Industrial Stick 6.00 m (Variant 2A)

↑ m	Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		m			
16.5	EW																						
15.0	EW			9.9*	9.9*																7.7*	7.7*	6.0
13.5	EW					9.6*	9.6*	8.1*	8.1*												6.2*	6.2*	8.5
12.0	EW							9.3*	9.3*	8.0*	8.0*										5.5*	5.5*	10.2
10.5	EW							9.2*	9.2*	8.1*	8.1*	6.3	6.8								5.2*	5.2*	11.5
9.0	EW							9.3*	9.3*	8.1*	8.1*	6.3	6.8	5.0	5.4						4.6	4.9*	12.5
7.5	EW					11.3*	11.3*	9.5*	9.5*	8.0	8.2*	6.2	6.8	5.0	5.4						4.1	4.5	13.2
6.0	EW			12.3*	12.3*	11.9*	11.9*	9.8*	9.8*	7.8	8.4*	6.1	6.6	4.9	5.3	4.0	4.3				3.8	4.2	13.7
4.5	EW	24.9*	24.9*	16.7*	16.7*	12.6*	12.6*	9.9	10.2*	7.5	8.1	5.9	6.4	4.8	5.2	3.9	4.3				3.6	4.0	14.1
3.0	EW			17.9*	17.9*	12.9	13.2*	9.3	10.2	7.1	7.8	5.7	6.2	4.6	5.1	3.9	4.2				3.5	3.9	14.3
1.5	EW			5.8*	5.8*	12.0	13.2*	8.8	9.7	6.8	7.5	5.5	6.0	4.5	4.9	3.8	4.1				3.5	3.8	14.3
0	EW			4.9*	4.9*	11.4	12.5*	8.4	9.2	6.5	7.2	5.3	5.8	4.4	4.8	3.7	4.1				3.5	3.7*	14.1
-1.5	EW			5.6*	5.6*	11.1*	11.1*	8.1	9.0	6.4	7.0	5.2	5.7	4.3	4.8	3.6*	3.6*				3.5*	3.5*	13.5
-3.0	EW					9.0*	9.0*	7.7*	7.7*	6.3	6.4*	5.1	5.2*								4.1*	4.1*	11.9
-4.5	EW																						

Industrial Stick 7.50 m (Variant 2A)

↑ m	Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		m			
16.5	EW					6.8*	6.8*														6.5*	6.5*	6.2
15.0	EW							7.0*	7.0*												5.1*	5.1*	9.0
13.5	EW							7.8*	7.8*	6.8*	6.8*	5.1*	5.1*								4.5*	4.5*	10.8
12.0	EW									7.5*	7.5*	6.6*	6.6*	4.6*	4.6*						4.1*	4.1*	12.2
10.5	EW									7.5*	7.5*	6.6	6.7*	5.2	5.6						3.9*	3.9*	13.3
9.0	EW									7.5*	7.5*	6.6	6.7*	5.2	5.6	4.2	4.5				3.7	3.8*	14.2
7.5	EW							8.7*	8.7*	7.6*	7.6*	6.5	6.8*	5.1	5.6	4.1	4.5				3.4	3.7*	14.8
6.0	EW							9.1*	9.1*	7.9*	7.9*	6.3	6.8	5.0	5.5	4.1	4.5	3.3	3.7		3.2	3.5	15.3
4.5	EW					10.7*	10.7*	9.5*	9.5*	7.8	8.1*	6.1	6.6	4.9	5.3	4.0	4.4	3.3	3.6		3.1	3.4	15.6
3.0	EW	19.2*	19.2*	16.4*	16.4*	12.4*	12.4*	9.8	10.0*	7.4	8.1	5.8	6.4	4.7	5.1	3.9	4.3	3.2	3.6		3.0	3.3	15.7
1.5	EW	2.7*	2.7*	17.6*	17.6*	12.7	13.0*	9.1	10.0	7.0	7.7	5.6	6.1	4.5	5.0	3.8	4.1	3.2	3.5		2.9	3.2	15.8
0	EW	2.2*	2.2*	7.2*	7.2*	11.8	13.0*	8.6	9.5	6.6	7.3	5.3	5.8	4.4	4.8	3.7	4.0	3.1	3.4		2.9	3.2*	15.6
-1.5	EW	2.9*	2.9*	6.1*	6.1*	11.2	12.3*	8.1	9.0	6.3	7.0	5.1	5.6	4.2	4.7	3.6	4.0	3.1	3.3*		2.9*	2.9*	15.3
-3.0	EW			6.4*	6.4*	10.8	10.9*	7.9	8.7	6.1	6.8	5.0	5.5	4.2	4.6	3.5	3.8*				3.2*	3.2*	14.2
-4.5	EW					8.9*	8.9*	7.5*	7.5*	6.1	6.2*	4.9	5.1*	4.0*	4.0*						3.7*	3.7*	12.3

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

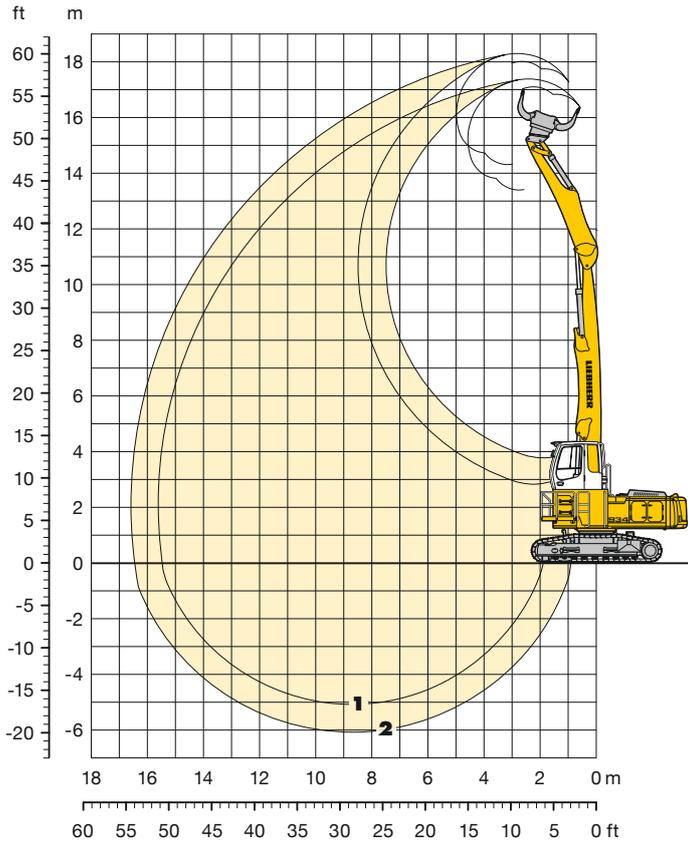
The lift capacities are stated in metric tonnes (t) on the lifting gear's stick tip, and can be lifted 360° on firm, level supporting surface. Capacities are valid for 600 mm wide triple grouser pads. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via *). Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook.

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.

Industrial Attachment

with Industrial-Type Straight Mono Boom 8.60 m

ER 934 C



Attachment Envelope

Kinematic variant 2A

- 1 with stick 5.00 m
- 2 with stick 6.00 m
- 3 with stick 5.00 m and sorting grapple SG 30
- 4 with stick 6.00 m and sorting grapple SG 30

Operating Weight and Ground Pressure

Operating weight includes basic machine with rigid cab elevation 1.20 m, counterweight 7.5 t, industrial-type straight mono boom 8.60 m, stick 5.00 m and sorting grapple SG 30 with tines 0.80 m³ (1,730 kg).

Undercarriage		EW	
Pad width	mm	600	750
Weight	kg	38,750	39,250
Ground pressure	kg/cm ²	0.84	0.68

Operating weight includes basic machine with rigid cab elevation 1.20 m, counterweight 7.5 t, industrial-type straight mono boom 8.60 m, stick 6.00 m and sorting grapple SG 30 with tines 0.80 m³ (1,730 kg).

Undercarriage		EW	
Pad width	mm	600	750
Weight	kg	38,950	39,450
Ground pressure	kg/cm ²	0.84	0.68

Lift Capacities

with Industrial-Type Straight Mono Boom 8.60 m

Stick 5.00 m (Variant 2A)

↑ m	Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		m			
16.5	EW																						
15.0	EW	13.4*	13.4*																		12.3*	12.3*	3.5
13.5	EW			12.3*	12.3*	10.5*	10.5*														8.1*	8.1*	7.0
12.0	EW					11.2*	11.2*	9.5*	9.5*	7.1*	7.1*										6.9*	6.9*	9.0
10.5	EW					11.1*	11.1*	9.3*	9.3*	7.6	8.1*										5.7	6.2	10.5
9.0	EW					11.2*	11.2*	9.4*	9.4*	7.6	8.1*	5.8	6.3								4.8	5.2	11.5
7.5	EW			13.1*	13.1*	11.6*	11.6*	9.6*	9.6*	7.4	8.1	5.7	6.2	4.5	4.9						4.2	4.6	12.3
6.0	EW	12.3*	12.3*	15.9*	15.9*	12.2*	12.2*	9.7	9.9*	7.2	7.9	5.6	6.1	4.4	4.9						3.9	4.3	12.9
4.5	EW			17.2*	17.2*	12.7*	12.7*	9.2	10.1	6.9	7.6	5.4	5.9	4.3	4.8						3.6	4.0	13.2
3.0	EW			3.3*	3.3*	12.0	12.9*	8.6	9.5	6.6	7.3	5.2	5.7	4.2	4.7						3.5	3.9	13.4
1.5	EW			1.6*	1.6*	11.3	12.5*	8.2	9.1	6.3	7.0	5.0	5.6	4.1	4.6						3.5	3.8*	13.4
0	EW			2.5*	2.5*	9.8*	9.8*	7.9	8.8	6.1	6.8	4.9	5.4	4.1	4.5						3.3*	3.3*	13.3
-1.5	EW					9.2*	9.2*	7.7	7.9*	6.0	6.5*	4.8	5.2*	3.9*	3.9*						3.6*	3.6*	12.2
-3.0	EW																						
-4.5	EW																						

Stick 6.00 m (Variant 2A)

↑ m	Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		m			
16.5	EW																						
15.0	EW			10.4*	10.4*	8.2*	8.2*														7.6*	7.6*	6.3
13.5	EW					9.8*	9.8*	8.4*	8.4*												6.0*	6.0*	8.7
12.0	EW							8.9*	8.9*	7.8	7.8*										5.3*	5.3*	10.4
10.5	EW							8.8*	8.8*	7.7*	7.7*	5.9	6.5								4.7	4.9*	11.7
9.0	EW							8.9*	8.9*	7.7*	7.7*	5.9	6.5	4.6	5.0						4.1	4.5	12.6
7.5	EW					10.8*	10.8*	9.1*	9.1*	7.6	7.8*	5.8	6.4	4.6	5.0						3.6	4.0	13.4
6.0	EW			10.5*	10.5*	11.5*	11.5*	9.4*	9.4*	7.4	7.9*	5.7	6.2	4.5	4.9	3.6	3.9				3.4	3.7	13.9
4.5	EW	15.7*	15.7*	16.2*	16.2*	12.2*	12.2*	9.5	9.7*	7.1	7.7	5.5	6.0	4.4	4.8	3.5	3.9				3.2	3.5	14.2
3.0	EW			17.1*	17.1*	12.5	12.7*	8.9	9.8	6.7	7.4	5.3	5.8	4.2	4.7	3.4	3.8				3.1	3.4	14.4
1.5	EW			4.1*	4.1*	11.5	12.7*	8.3	9.2	6.4	7.0	5.0	5.6	4.1	4.5	3.4	3.7				3.0	3.4	14.4
0	EW			3.6*	3.6*	10.9	11.9*	7.9	8.8	6.1	6.7	4.9	5.4	4.0	4.4	3.3	3.7				3.0*	3.0*	14.3
-1.5	EW			4.5*	4.5*	10.5*	10.5*	7.6	8.5	5.9	6.5	4.7	5.2	3.9	4.3	3.1*	3.1*				3.0*	3.0*	13.5
-3.0	EW					8.4*	8.4*	7.1*	7.1*	5.8	5.9*	4.7	4.7*								3.6*	3.6*	11.9
-4.5	EW																						

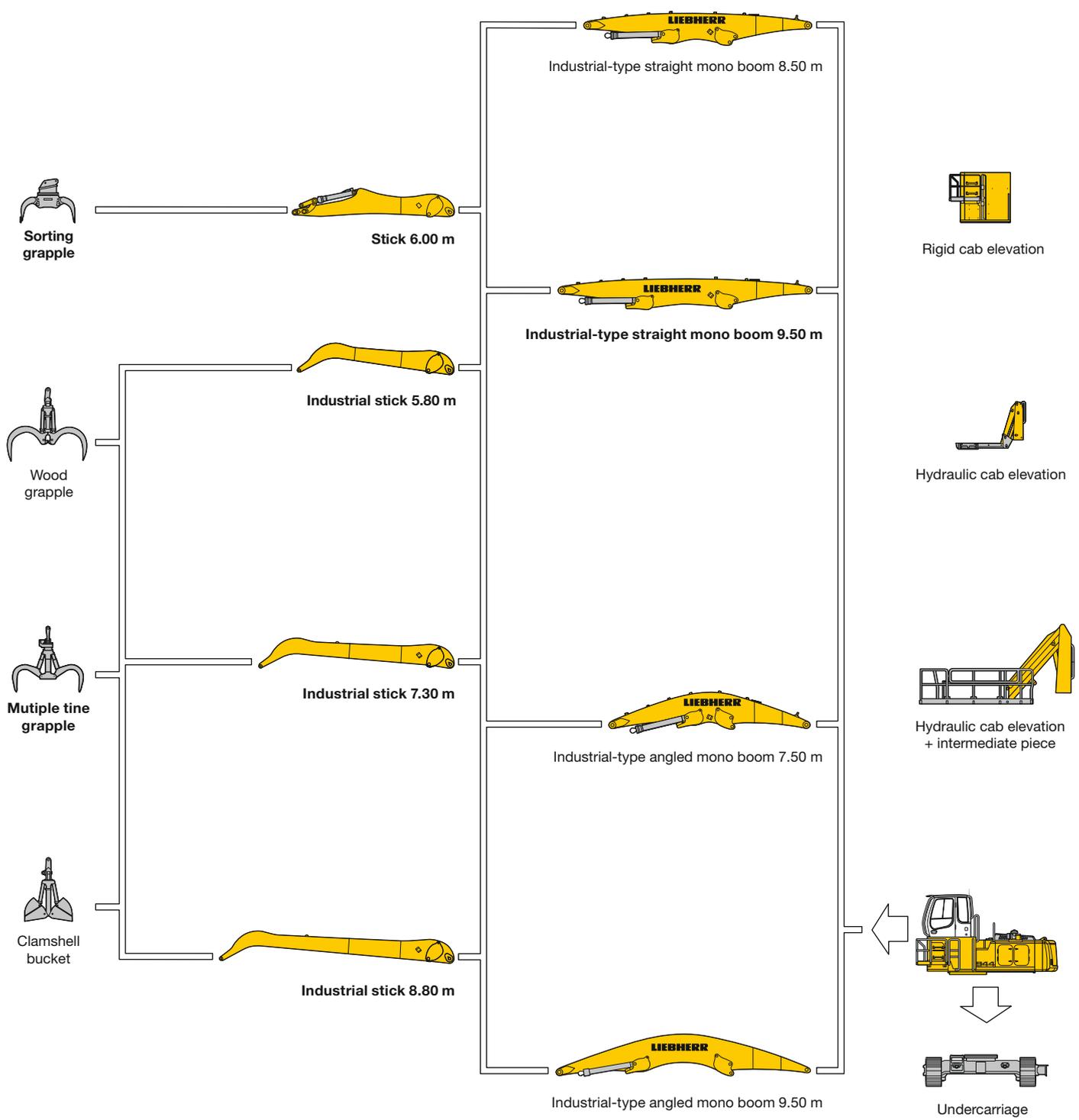
Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach * Limited by hydr. capacity

The lift capacities are stated in metric tonnes (t) on the lifting gear's stick tip, and can be lifted 360° on firm, level supporting surface. Capacities are valid for 600 mm wide triple grouser pads. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via *). Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook.

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.

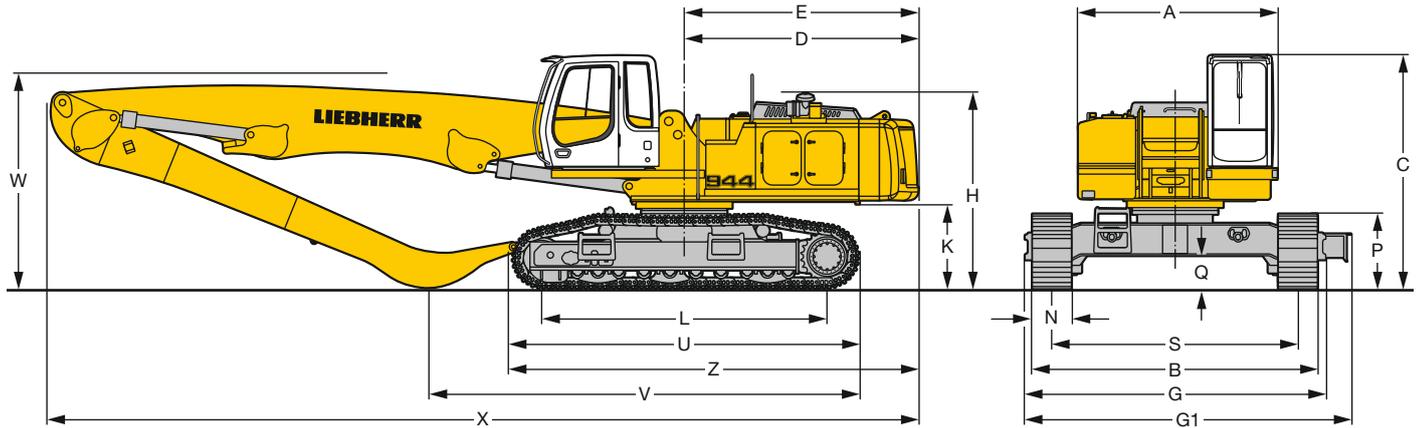
The Right Attachment for Every Application

ER 944 C



For further information please contact your Liebherr dealer.

Dimensions



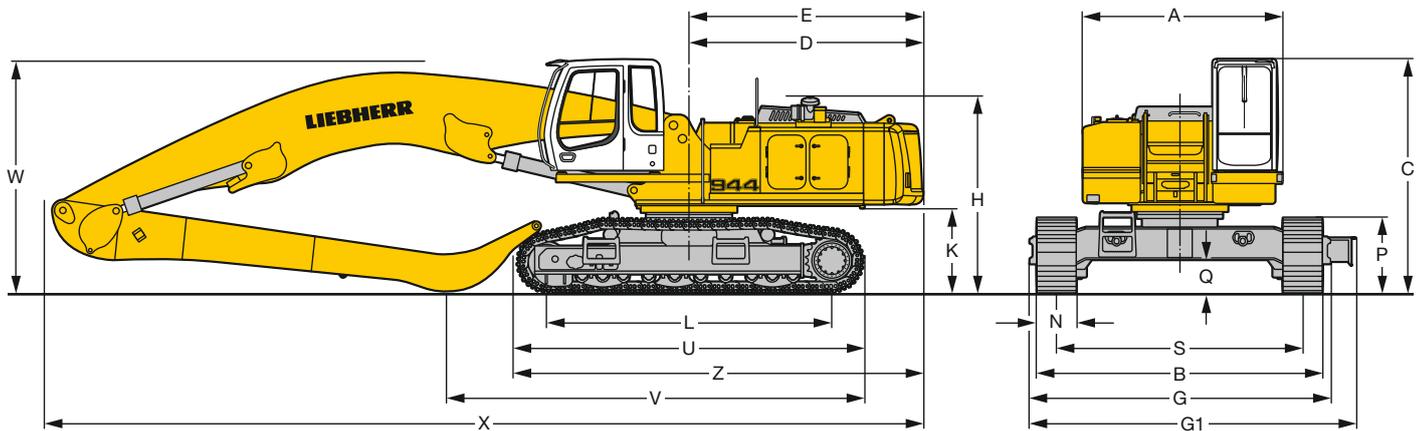
ER 944 C

	mm		
A	3,070		
C	3,630		
D	3,605		
E	3,605		
H	3,050		
K	1,320		
L	4,400		
P	1,170		
Q	475		
S	3,800		
U	5,360		
N	500	600	750
B	4,412	4,412	4,550
G	4,620	4,620	4,620
G1	5,025	5,025	5,025
Z	6,300		

Industrial-Type Straight Mono Boom 9.50 m and Industrial Stick			
V	m	7.30	8.80
W	mm	6,700	5,650
X	mm	3,350	4,650
X	mm	13,600	13,400

Industrial-Type Angled Mono Boom 9.50 m and Industrial Stick			
V	m	7.30	
W	mm	6,400	
W	mm	3,600	
X	mm	13,500	

E = Tail radius

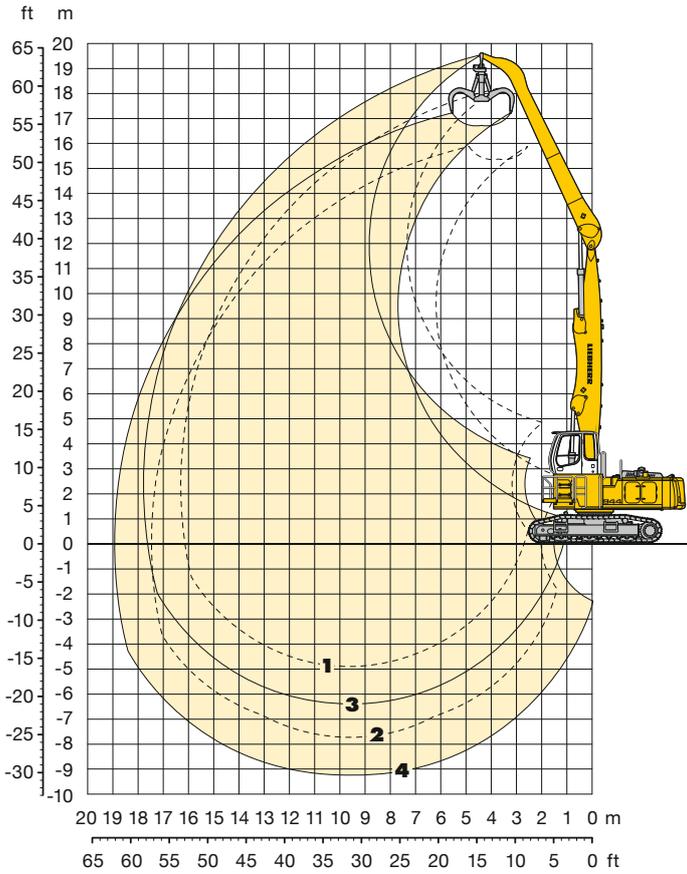


These dimensions are stated with cab carrier. This assembly is only valid for transportation.

Industrial Attachment

with Industrial-Type Straight Mono Boom 9.50 m

ER 944 C



Attachment Envelope

Kinematic variant 2A

- 1 with industrial stick 7.30 m
- 2 with industrial stick 7.30 m and grapple model GM 70C
- 3 with industrial stick 8.80 m
- 4 with industrial stick 8.80 m and grapple model GM 70C

Operating Weight and Ground Pressure

Operating weight includes basic machine with rigid cab elevation 1.20 m, counterweight 11.0 t, industrial-type straight mono boom 9.50 m, industrial stick 7.30 m and grapple model GM 70C with 5 semi-closed tines 0.80 m³ (1,705 kg).

Undercarriage		S-EW	
Pad width	mm	600	750
Weight	kg	52,050	53,400
Ground pressure	kg/cm ²	0.99	0.81

Operating weight includes basic machine with rigid cab elevation 1.20 m, counterweight 11.0 t, industrial-type straight mono boom 9.50 m, industrial stick 8.80 m and grapple model GM 70C with 5 semi-closed tines 0.80 m³ (1,705 kg).

Undercarriage		S-EW	
Pad width	mm	600	750
Weight	kg	52,400	53,750
Ground pressure	kg/cm ²	0.99	0.81

Lift Capacities

with Industrial-Type Straight Mono Boom 9.50 m

Industrial Stick 7.30 m (Variant 2A)

↑ m	Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		m		
19.5	S-EW																							
18.0	S-EW			12.5*	12.5*																	12.5*	12.5*	4.5
16.5	S-EW					12.3*	12.3*	10.3*	10.3*													9.1*	9.1*	8.1
15.0	S-EW							11.8*	11.8*	10.3*	10.3*											7.9*	7.9*	10.3
13.5	S-EW							11.5*	11.5*	10.1*	10.1*	9.0*	9.0*									7.2*	7.2*	11.9
12.0	S-EW							11.4*	11.4*	10.0*	10.0*	8.9*	8.9*	7.8	7.9*							6.5	6.8*	13.2
10.5	S-EW							11.5*	11.5*	10.0*	10.0*	8.9*	8.9*	7.9	7.9*	6.3	7.0					5.7	6.4	14.1
9.0	S-EW							11.7*	11.7*	10.1*	10.1*	8.9*	8.9*	7.8	7.9*	6.3	7.0					5.1	5.8	14.9
7.5	S-EW					14.2*	14.2*	12.0*	12.0*	10.3*	10.3*	9.0*	9.0*	7.6	8.0*	6.2	6.9	5.0	5.7			4.7	5.3	15.5
6.0	S-EW			13.9*	13.9*	15.3*	15.3*	12.5*	12.5*	10.6*	10.6*	9.1*	9.1*	7.4	8.0*	6.0	6.8	5.0	5.6			4.4	5.0	15.9
4.5	S-EW	24.1*	24.1*	21.5*	21.5*	16.2*	16.2*	13.0*	13.0*	10.8*	10.8*	8.9	9.2*	7.1	8.0*	5.9	6.6	4.9	5.5			4.2	4.8	16.2
3.0	S-EW			22.8*	22.8*	16.8*	16.8*	13.3*	13.3*	10.7	10.9*	8.5	9.2*	6.9	7.7	5.7	6.4	4.8	5.4			4.1	4.6*	16.3
1.5	S-EW			7.3*	7.3*	16.7*	16.7*	13.1	13.2*	10.1	10.8*	8.1	9.1*	6.6	7.5	5.5	6.2	4.7	5.3			4.1	4.2*	16.3
0	S-EW	2.0*	2.0*	6.2*	6.2*	15.9*	15.9*	12.4	12.7*	9.6	10.4*	7.7	8.7*	6.4	7.2	5.4	6.1	4.6	4.9*			3.7*	3.7*	16.1
-1.5	S-EW			6.9*	6.9*	13.7*	13.7*	11.6*	11.6*	9.2	9.7*	7.5	8.1*	6.2	6.7*	5.2	5.5*	4.2*	4.2*			3.3*	3.3*	15.8
-3.0	S-EW					11.8*	11.8*	10.1*	10.1*	8.5*	8.5*	7.1*	7.1*	5.8*	5.8*	4.6*	4.6*					3.6*	3.6*	14.5
-4.5	S-EW							8.0*	8.0*	6.8*	6.8*	5.7*	5.7*									4.6*	4.6*	12.0
-6.0	S-EW																							
-7.5	S-EW																							

ER 944 C

Industrial Stick 8.80 m (Variant 2A)

↑ m	Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		m		
19.5	S-EW			11.2*	11.2*																	11.1*	11.1*	4.6
18.0	S-EW							9.2*	9.2*													7.8*	7.8*	8.4
16.5	S-EW									9.1*	9.1*	7.1*	7.1*									6.6*	6.6*	10.8
15.0	S-EW									9.5*	9.5*	8.5*	8.5*	7.0*	7.0*							6.0*	6.0*	12.5
13.5	S-EW									9.3*	9.3*	8.4*	8.4*	7.6*	7.6*	6.4*	6.4*					5.6*	5.6*	13.9
12.0	S-EW									9.2*	9.2*	8.3*	8.3*	7.5*	7.5*	6.6	6.8*					5.3	5.3*	14.9
10.5	S-EW									9.3*	9.3*	8.3*	8.3*	7.5*	7.5*	6.6	6.8*	5.3	6.0			4.7	5.2*	15.8
9.0	S-EW									9.4*	9.4*	8.4*	8.4*	7.5*	7.5*	6.6	6.8*	5.3	6.0	4.3	4.9	4.3	4.9	16.5
7.5	S-EW									9.6*	9.6*	8.5*	8.5*	7.6*	7.6*	6.4	6.8*	5.2	5.9	4.3	4.9	4.0	4.5	17.0
6.0	S-EW							11.6*	11.6*	9.9*	9.9*	8.7*	8.7*	7.7*	7.7*	6.3	6.8*	5.1	5.8	4.2	4.8	3.8	4.3	17.4
4.5	S-EW					12.9*	12.9*	12.2*	12.2*	10.3*	10.3*	8.9*	8.9*	7.4	7.7*	6.0	6.8	5.0	5.6	4.2	4.7	3.6	4.1	17.7
3.0	S-EW	18.5*	18.5*	21.2*	21.2*	15.9*	15.9*	12.7*	12.7*	10.5*	10.5*	8.8	9.0*	7.1	7.8*	5.8	6.6	4.8	5.5	4.1	4.6	3.5	4.0*	17.8
1.5	S-EW	3.7*	3.7*	22.4*	22.4*	16.5*	16.5*	13.0*	13.0*	10.5	10.7*	8.3	9.0*	6.7	7.6	5.6	6.3	4.7	5.3	4.0	4.5	3.5	3.7*	17.8
0	S-EW	2.9*	2.9*	9.1*	9.1*	16.4*	16.4*	12.9	12.9*	9.9	10.5*	7.9	8.8*	6.4	7.3	5.4	6.1	4.5	5.2	3.9	4.4*	3.3*	3.3*	17.6
-1.5	S-EW	3.7*	3.7*	7.7*	7.7*	15.5*	15.5*	12.1	12.3*	9.3	10.1*	7.5	8.4*	6.2	7.0	5.2	5.9	4.4	4.9*	3.8*	3.8*	2.9*	2.9*	17.3
-3.0	S-EW	4.9*	4.9*	8.0*	8.0*	13.9*	13.9*	11.3*	11.3*	8.9	9.3*	7.2	7.8*	6.0	6.5*	5.0	5.4*	4.3*	4.3*	2.9*	2.9*	2.9*	2.9*	16.5
-4.5	S-EW			8.9*	8.9*	11.7*	11.7*	9.8*	9.8*	8.1*	8.1*	6.8*	6.8*	5.6*	5.6*	4.5*	4.5*	3.3*	3.3*			3.2*	3.2*	15.1
-6.0	S-EW							7.7*	7.7*	6.5*	6.5*	5.4*	5.4*	4.4*	4.4*							4.2*	4.2*	12.2
-7.5	S-EW																							

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

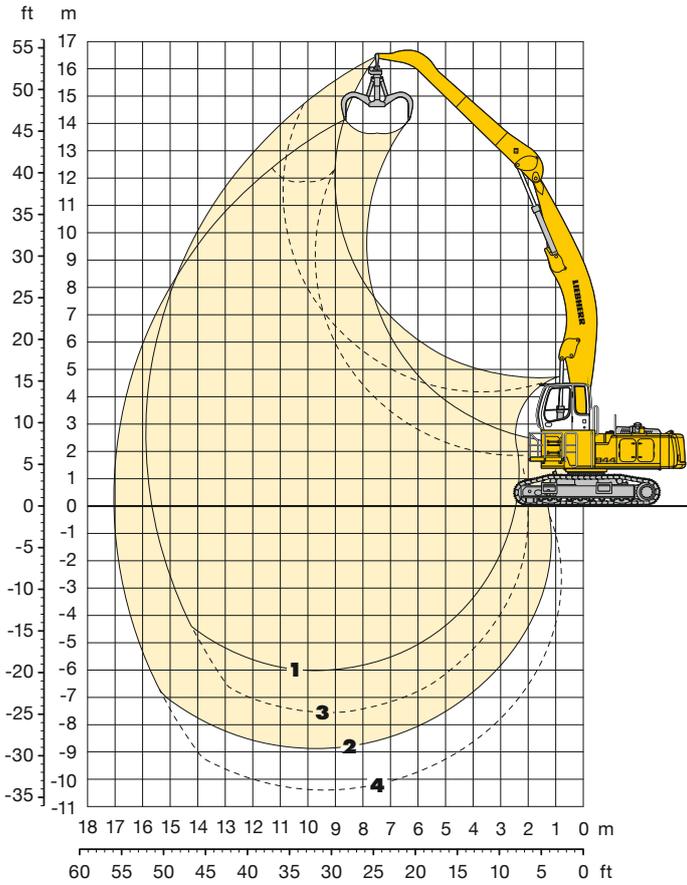
The lift capacities are stated in metric tonnes (t) on the lifting gear's stick tip, and can be lifted 360° on firm, level supporting surface. Capacities are valid for 600 mm wide triple grouser pads. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via *). Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook.

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.

Industrial Attachment

with Industrial-Type Angled Mono Boom 9.50 m

ER 944 C



Attachment Envelope

Kinematic variants 3C/3D

- 1** with industrial stick 7.30 m (3D)
- 2** with industrial stick 7.30 m and grapple model GM 70C (3D)
- 3** with industrial stick 7.30 m (3C)
- 4** with industrial stick 7.30 m and grapple model GM 70C (3C)

Operating Weight and Ground Pressure

Operating weight includes basic machine with rigid cab elevation 1.20 m, counterweight 11.0 t, industrial-type angled mono boom 9.50 m, industrial stick 7.30 m and grapple model GM 70C with 5 semi-closed tines 0.80 m³ (1,705 kg).

Undercarriage		S-EW	
Pad width	mm	600	750
Weight	kg	52,250	53,600
Ground pressure	kg/cm ²	0.99	0.81

Lift Capacities

with Industrial-Type Angled Mono Boom 9.50 m

Industrial Stick 7.30 m (Variant 3C)

↑ m	Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		m		
19.5	S-EW																							
18.0	S-EW																							
16.5	S-EW																							
15.0	S-EW																							
13.5	S-EW																					5.9*	5.9*	11.5
12.0	S-EW													5.6*	5.6*							5.7*	5.7*	12.8
10.5	S-EW													5.6*	5.6*	5.5*	5.5*					5.5*	5.5*	13.7
9.0	S-EW											5.9*	5.9*	5.7*	5.7*	5.5*	5.5*					5.5*	5.5*	14.5
7.5	S-EW											6.2*	6.2*	5.9*	5.9*	5.7*	5.7*	5.1	5.5*			5.1	5.5*	15.1
6.0	S-EW									7.3*	7.3*	6.6*	6.6*	6.2*	6.2*	5.8*	5.8*	5.0	5.6*			4.7	5.3	15.5
4.5	S-EW					11.1*	11.1*	9.2*	9.2*	8.0*	8.0*	7.2*	7.2*	6.5*	6.5*	5.9	6.1*	4.9	5.6			4.5	5.1	15.8
3.0	S-EW	4.3*	4.3*	18.5*	18.5*	13.2*	13.2*	10.5*	10.5*	8.8*	8.8*	7.7*	7.7*	6.9	6.9*	5.7	6.4*	4.8	5.4			4.3	4.9	15.9
1.5	S-EW	3.1*	3.1*	9.8*	9.8*	15.1*	15.1*	11.7*	11.7*	9.6*	9.6*	8.1	8.3*	6.6	7.3*	5.5	6.3	4.6	5.3			4.2	4.8	15.9
0	S-EW	4.2*	4.2*	8.3*	8.3*	16.4*	16.4*	12.3	12.6*	9.6	10.3*	7.7	8.7*	6.4	7.2	5.3	6.1	4.5	5.2			4.2	4.8	15.7
-1.5	S-EW	5.6*	5.6*	8.7*	8.7*	15.0*	15.0*	11.8	13.3*	9.2	10.5	7.4	8.5	6.1	7.0	5.2	5.9	4.4	5.1			4.3	4.9	15.3
-3.0	S-EW	7.0*	7.0*	9.6*	9.6*	14.6*	14.6*	11.5	13.3	8.9	10.2	7.2	8.3	6.0	6.9	5.1	5.8					4.5	5.1	14.9
-4.5	S-EW			10.6*	10.6*	15.1*	15.1*	11.4	13.2	8.8	10.1	7.1	8.2	5.9	6.8	5.1	5.8					4.8	5.5	14.2
-6.0	S-EW					16.0	16.1*	11.4	13.2*	8.8	10.1	7.1	8.2	6.0	6.8							5.2	6.0	13.3
-7.5	S-EW									8.9	10.2*											7.6	8.7	10.2

ER 944 C

Industrial Stick 7.30 m (Variant 3D)

↑ m	Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		m		
19.5	S-EW																							
18.0	S-EW																							
16.5	S-EW																							
15.0	S-EW									7.6*	7.6*											7.3*	7.3*	9.8
13.5	S-EW									7.2*	7.2*	6.9*	6.9*									6.7*	6.7*	11.5
12.0	S-EW											6.7*	6.7*	6.5*	6.5*							6.4*	6.4*	12.8
10.5	S-EW									7.1*	7.1*	6.7*	6.7*	6.4*	6.4*	6.2*	6.2*					6.2*	6.2*	13.7
9.0	S-EW									7.4*	7.4*	6.9*	6.9*	6.5*	6.5*	6.2*	6.2*					5.5	6.0*	14.5
7.5	S-EW							8.7*	8.7*	7.8*	7.8*	7.2*	7.2*	6.7*	6.7*	6.3*	6.3*	5.1	5.8			5.0	5.7	15.1
6.0	S-EW					11.1*	11.1*	9.5*	9.5*	8.4*	8.4*	7.6*	7.6*	6.9*	6.9*	6.1	6.4*	5.0	5.7			4.7	5.3	15.5
4.5	S-EW	25.8*	25.8*	17.0*	17.0*	12.9*	12.9*	10.6*	10.6*	9.1*	9.1*	8.0*	8.0*	7.2*	7.2*	5.9	6.6*	4.9	5.6			4.5	5.1	15.8
3.0	S-EW	4.3*	4.3*	20.5*	20.5*	14.8*	14.8*	11.7*	11.7*	9.8*	9.8*	8.5*	8.5*	6.9	7.5*	5.7	6.5	4.8	5.4			4.3	4.9	15.9
1.5	S-EW	3.1*	3.1*	9.8*	9.8*	16.3*	16.3*	12.6*	12.6*	10.1	10.4*	8.1	8.9*	6.6	7.5	5.5	6.3	4.6	5.3			4.2	4.8	15.9
0	S-EW	4.2*	4.2*	8.3*	8.3*	17.0	17.2*	12.3	13.3*	9.6	10.9*	7.7	8.8	6.3	7.2	5.3	6.1	4.5	5.2			4.2	4.8	15.7
-1.5	S-EW	5.6*	5.6*	8.7*	8.7*	15.0*	15.0*	11.8	13.6	9.2	10.5	7.4	8.5	6.1	7.0	5.2	5.9	4.4	5.1			4.3	4.9	15.3
-3.0	S-EW			9.6*	9.6*	14.6*	14.6*	11.5	13.3	8.9	10.2	7.2	8.3	6.0	6.9	5.1	5.8					4.5	5.1	14.9
-4.5	S-EW					15.1*	15.1*	11.4	13.2	8.8	10.1	7.1	8.2	5.9	6.8	5.1	5.8					4.8	5.5	14.1
-6.0	S-EW																					7.5	8.6	10.1
-7.5	S-EW																							

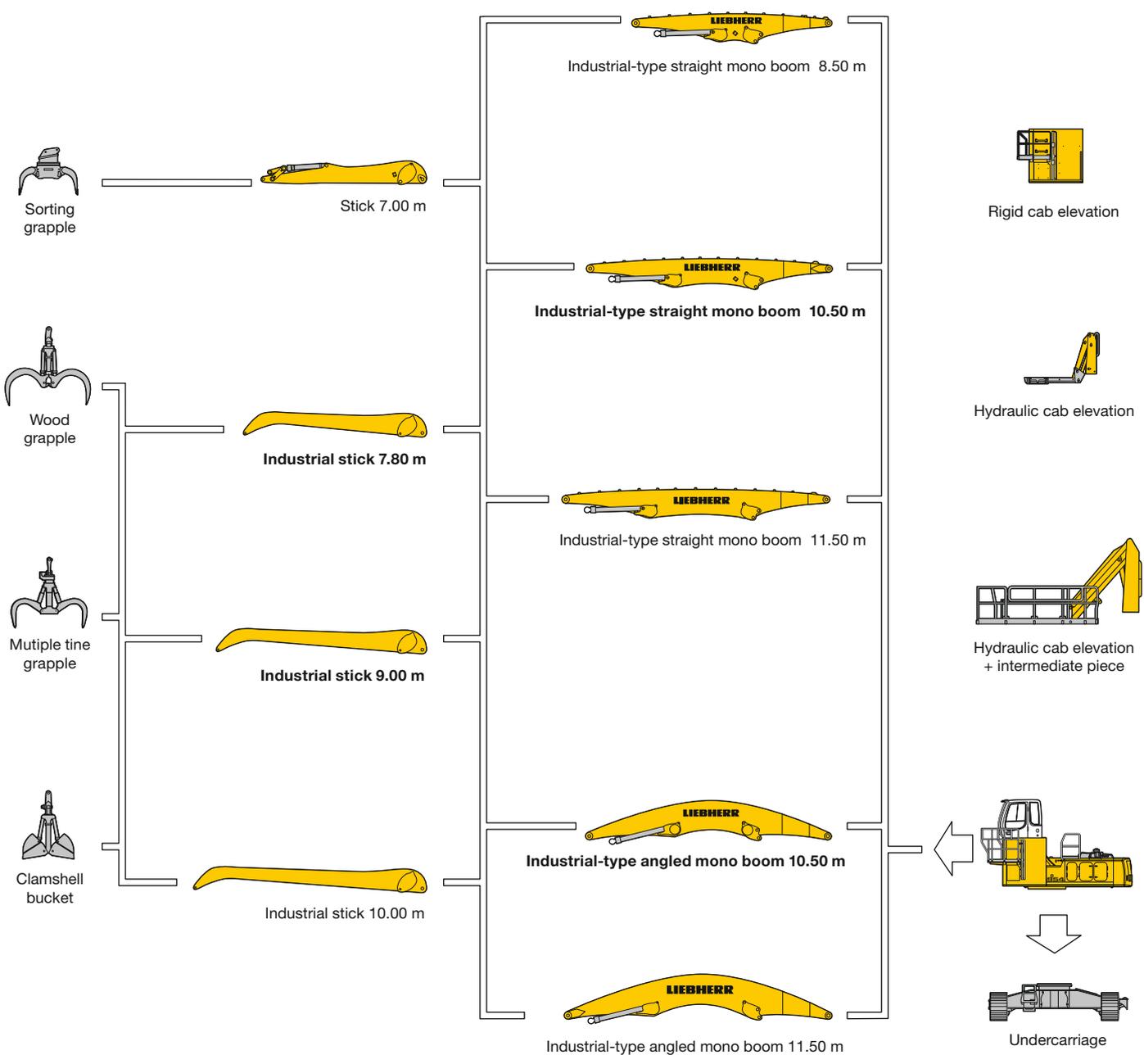
Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach * Limited by hydr. capacity

The lift capacities are stated in metric tonnes (t) on the lifting gear's stick tip, and can be lifted 360° on firm, level supporting surface. Capacities are valid for 600 mm wide triple grouser pads. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via *). Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook.

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.

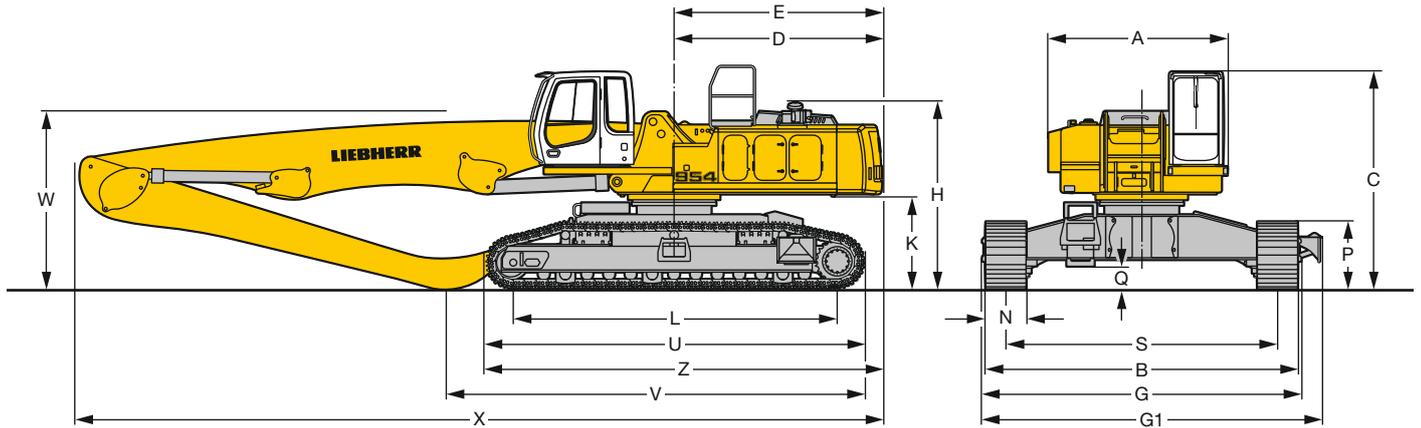
The Right Attachment for Every Application

ER 954 C



For further information please contact your Liebherr dealer.

Dimensions



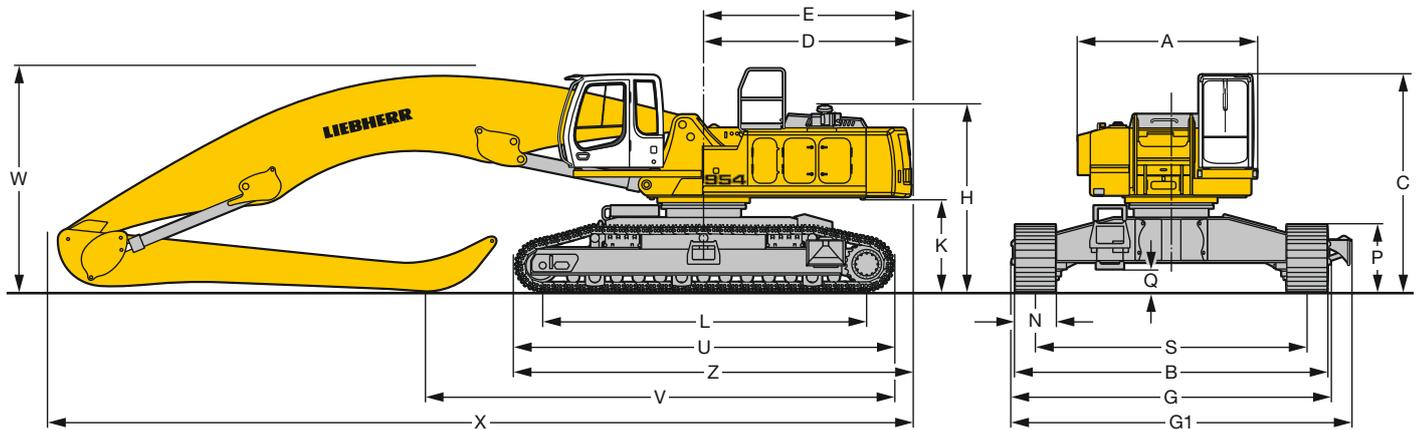
ER 954 C

	mm
A	3,300
C	4,055
D	3,825
E	3,825
H	3,470
K	1,730
L	6,000
P	1,280
Q	420
S	5,000
U	7,000
N	750
B	5,830
G	5,860
G1	6,235
Z	7,310

Industrial-Type Straight Mono Boom 10.50 m and Industrial Stick			
V	m	7.80	9.00
W	mm	3,550	3,850
X	mm	14,900	14,900

Industrial-Type Angled Mono Boom 10.50 m and Industrial Stick			
V	m	7.80	9.00
W	mm	4,200	4,200
X	mm	14,900	14,900

E = Tail radius

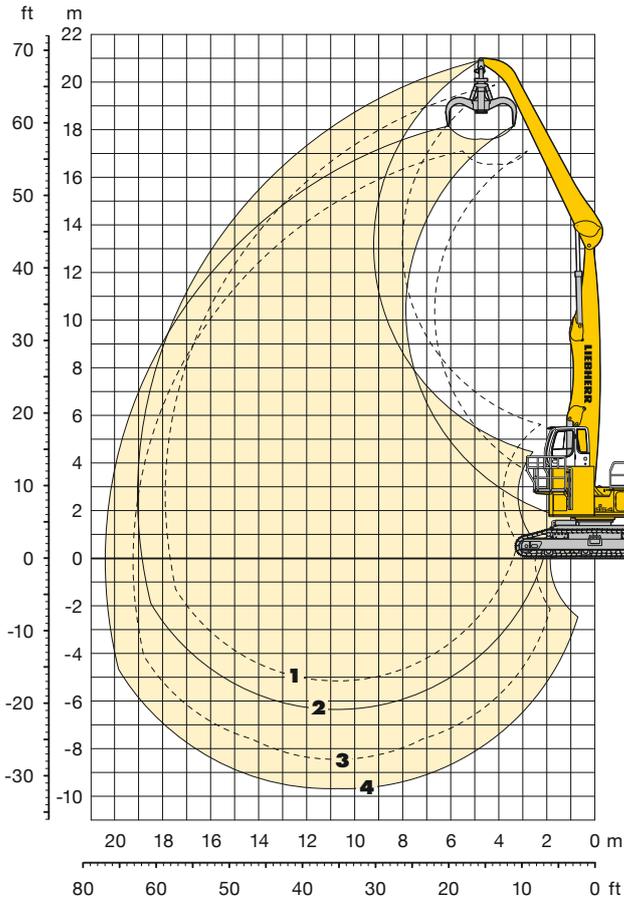


These dimensions are stated with cab carrier. This assembly is only valid for transportation.

Industrial Attachment

with Industrial-Type Straight Mono Boom 10.50 m

ER 954 C



Attachment Envelope

Kinematic variant 2A

- 1 with industrial stick 7.80 m
- 2 with industrial stick 9.00 m
- 3 with industrial stick 7.80 m and grapple model GM 72C
- 4 with industrial stick 9.00 m and grapple model GM 72C

Operating Weight and Ground Pressure

Operating weight includes basic machine with rigid cab elevation 2.00 m, counterweight 14.5 t, industrial-type straight mono boom 10.50 m, industrial stick 7.80 m and grapple model GM 72C with 5 semi-closed tines 1.20 m³ (2,920 kg).

Undercarriage	S-EW
Pad width	mm 750
Weight	kg 75,400
Ground pressure	kg/cm ² 0.84

Operating weight includes basic machine with rigid cab elevation 2.00 m, counterweight 14.5 t, industrial-type straight mono boom 10.50 m, industrial stick 9.00 m and grapple model GM 72C with 5 semi-closed tines 1.20 m³ (2,920 kg).

Undercarriage	S-EW
Pad width	mm 750
Weight	kg 75,800
Ground pressure	kg/cm ² 0.84

Lift Capacities

with Industrial-Type Straight Mono Boom 10.50 m

Industrial Stick 7.80 m (Variant 2A)

↑ m	Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		18.0 m		m			
21.0	S-EW																										
19.5	S-EW					14.3*	14.3*																	14.0*	14.0*	5.0	
18.0	S-EW							14.4*	14.4*	11.8*	11.8*													11.0*	11.0*	8.7	
16.5	S-EW							15.5*	15.5*	14.1*	14.1*	12.0*	12.0*											9.7*	9.7*	11.0	
15.0	S-EW									15.2*	15.2*	13.8*	13.8*	11.6*	11.6*										8.9*	8.9*	12.7
13.5	S-EW									15.5*	15.5*	13.8*	13.8*	12.4*	12.4*	10.9*	10.9*								8.5*	8.5*	14.1
12.0	S-EW									15.6*	15.6*	13.8*	13.8*	12.3*	12.3*	11.1*	11.1*	9.4*	9.4*						8.2*	8.2*	15.1
10.5	S-EW							17.1*	17.1*	15.8*	15.8*	13.9*	13.9*	12.4*	12.4*	11.1*	11.1*	9.9*	9.9*						8.0*	8.0*	16.0
9.0	S-EW							18.2*	18.2*	16.1*	16.1*	14.1*	14.1*	12.5*	12.5*	11.1*	11.1*	9.9*	9.9*	8.7*	8.7*				7.9*	7.9*	16.7
7.5	S-EW					18.5*	18.5*	19.5*	19.5*	16.5*	16.5*	14.3*	14.3*	12.6*	12.6*	11.1*	11.1*	9.9*	9.9*	8.6*	8.6*				7.9*	7.9*	17.2
6.0	S-EW	13.4*	13.4*	21.3*	21.3*	25.2*	25.2*	20.2*	20.2*	16.9*	16.9*	14.5*	14.5*	12.6*	12.6*	11.1*	11.1*	9.8*	9.8*	8.5*	8.5*				7.4*	7.4*	17.6
4.5	S-EW			36.1*	36.1*	26.5*	26.5*	20.9*	20.9*	17.3*	17.3*	14.6*	14.6*	12.6*	12.6*	11.0*	11.0*	9.6*	9.6*	8.3*	8.3*				6.9*	6.9*	17.8
3.0	S-EW			4.7*	4.7*	26.9*	26.9*	21.1*	21.1*	17.3*	17.3*	14.6*	14.6*	12.5*	12.5*	10.8*	10.8*	9.4*	9.4*	8.0*	8.0*				6.3*	6.3*	17.9
1.5	S-EW			3.1*	3.1*	11.4*	11.4*	20.7*	20.7*	17.0*	17.0*	14.3*	14.3*	12.2*	12.2*	10.5*	10.5*	9.0*	9.0*	7.5*	7.5*				5.8*	5.8*	17.9
0	S-EW			3.7*	3.7*	9.2*	9.2*	19.5*	19.5*	16.2*	16.2*	13.6*	13.6*	11.6*	11.6*	9.9*	9.9*	8.3*	8.3*	6.7*	6.7*				5.1*	5.1*	17.7
-1.5	S-EW			5.0*	5.0*	9.2*	9.2*	17.5*	17.5*	14.8*	14.8*	12.6*	12.6*	10.7*	10.7*	9.0*	9.0*	7.4*	7.4*	5.7*	5.7*				4.6*	4.6*	17.4
-3.0	S-EW					10.1*	10.1*	14.9*	14.9*	12.9*	12.9*	11.0*	11.0*	9.4*	9.4*	7.8*	7.8*	6.2*	6.2*						5.1*	5.1*	16.3
-4.5	S-EW									10.4*	10.4*	9.0*	9.0*	7.6*	7.6*										6.3*	6.3*	14.2
-6.0	S-EW																										

ER 954 C

Industrial Stick 9.00 m (Variant 2A)

↑ m	Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		18.0 m		m		
21.0	S-EW																							13.8*	13.8*	
19.5	S-EW							12.6*	12.6*	10.2*	10.2*													10.1*	10.1*	8.3
18.0	S-EW									12.4*	12.4*	10.5*	10.5*											8.7*	8.7*	10.9
16.5	S-EW									13.2*	13.2*	12.0*	12.0*	10.3*	10.3*									7.9*	7.9*	12.8
15.0	S-EW											12.9*	12.9*	11.7*	11.7*	9.8*	9.8*							7.4*	7.4*	14.3
13.5	S-EW											13.1*	13.1*	11.8*	11.8*	10.7*	10.7*	9.0*	9.0*					7.0*	7.0*	15.5
12.0	S-EW											13.1*	13.1*	11.8*	11.8*	10.7*	10.7*	9.7*	9.7*	7.4*	7.4*			6.8*	6.8*	16.5
10.5	S-EW									14.6*	14.6*	13.3*	13.3*	11.9*	11.9*	10.7*	10.7*	9.7*	9.7*	8.7*	8.7*			6.7*	6.7*	17.3
9.0	S-EW									15.3*	15.3*	13.5*	13.5*	12.0*	12.0*	10.8*	10.8*	9.7*	9.7*	8.7*	8.7*	6.7*	6.7*	6.6*	6.6*	17.9
7.5	S-EW							15.4*	15.4*	15.7*	15.7*	13.7*	13.7*	12.2*	12.2*	10.8*	10.8*	9.7*	9.7*	8.6*	8.6*	7.5*	7.5*	6.6*	6.6*	18.4
6.0	S-EW					15.5*	15.5*	18.3*	18.3*	16.2*	16.2*	14.0*	14.0*	12.3*	12.3*	10.9*	10.9*	9.7*	9.7*	8.5*	8.5*	7.4*	7.4*	6.6*	6.6*	18.7
4.5	S-EW	12.7*	12.7*	21.1*	21.1*	24.8*	24.8*	20.1*	20.1*	16.7*	16.7*	14.3*	14.3*	12.4*	12.4*	10.9*	10.9*	9.6*	9.6*	8.4*	8.4*	7.2*	7.2*	6.2*	6.2*	19.0
3.0	S-EW			22.6*	22.6*	26.3*	26.3*	20.7*	20.7*	17.0*	17.0*	14.4*	14.4*	12.4*	12.4*	10.8*	10.8*	9.4*	9.4*	8.2*	8.2*	6.9*	6.9*	5.7*	5.7*	19.1
1.5	S-EW	0.6*	0.6*	5.7*	5.7*	22.4*	22.4*	20.7*	20.7*	17.0*	17.0*	14.3*	14.3*	12.2*	12.2*	10.6*	10.6*	9.2*	9.2*	7.8*	7.8*	6.5*	6.5*	5.3*	5.3*	19.0
0	S-EW	1.5*	1.5*	4.7*	4.7*	11.9*	11.9*	20.1*	20.1*	16.5*	16.5*	13.9*	13.9*	11.8*	11.8*	10.2*	10.2*	8.7*	8.7*	7.3*	7.3*	5.8*	5.8*	4.7*	4.7*	18.9
-1.5	S-EW	2.8*	2.8*	5.2*	5.2*	10.1*	10.1*	18.8*	18.8*	15.6*	15.6*	13.1*	13.1*	11.2*	11.2*	9.5*	9.5*	8.0*	8.0*	6.6*	6.6*	4.9*	4.9*	4.1*	4.1*	18.6
-3.0	S-EW			6.2*	6.2*	10.2*	10.2*	16.7*	16.7*	14.1*	14.1*	12.0*	12.0*	10.1*	10.1*	8.6*	8.6*	7.1*	7.1*	5.6*	5.6*			4.2*	4.2*	17.9
-4.5	S-EW					10.8*	10.8*	14.0*	14.0*	12.1*	12.1*	10.3*	10.3*	8.7*	8.7*	7.3*	7.3*	5.8*	5.8*					4.8*	4.8*	16.4
-6.0	S-EW											8.2*	8.2*	6.9*	6.9*									6.5*	6.5*	13.7

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

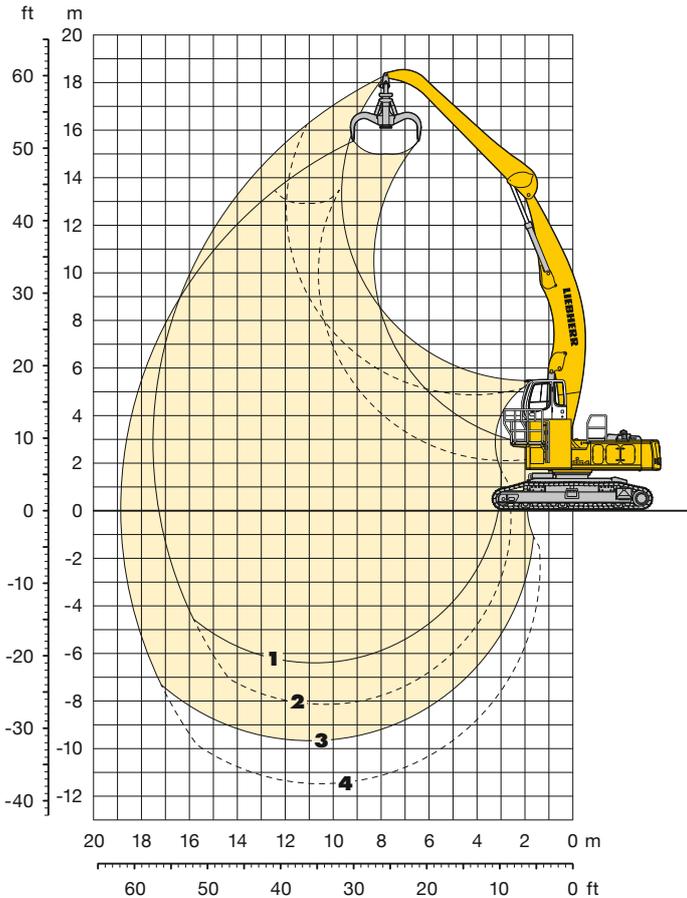
The lift capacities are stated in metric tonnes (t) on the lifting gear's stick tip, and can be lifted 360° on firm, level supporting surface. Capacities are valid for 600 mm wide triple grouser pads. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via *). Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook.

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.

Industrial Attachment

with Industrial-Type Angled Mono Boom 10.50 m

ER 954 C



Attachment Envelope

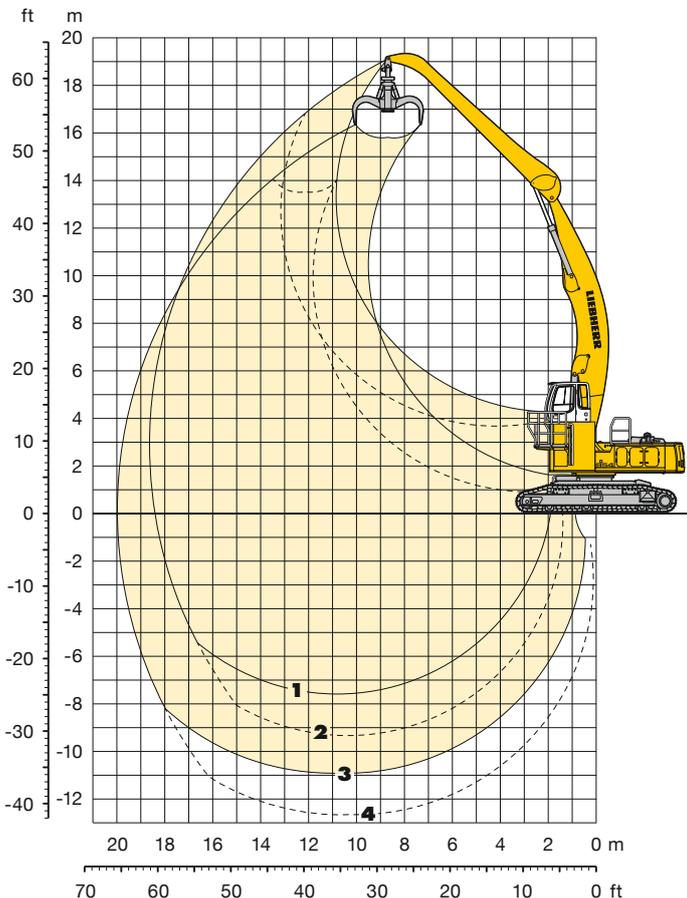
Kinematic variants 3C/3D

- 1 with industrial stick 7.80 m (3D)
- 2 with industrial stick 7.80 m and grapple model GM 72C (3D)
- 3 with industrial stick 7.80 m (3C)
- 4 with industrial stick 7.80 m and grapple model GM 72C (3C)

Operating Weight and Ground Pressure

Operating weight includes basic machine with rigid cab elevation 2.00 m, counterweight 14.5 t, industrial-type angled mono boom 10.50 m, industrial stick 7.80 m and grapple model GM 72C with 5 semi-closed tines 1.20 m³ (2,920 kg).

Undercarriage	S-EW
Pad width	mm 750
Weight	kg 75,800
Ground pressure	kg/cm ² 0.84



Attachment Envelope

Kinematic variants 3C/3D

- 1 with industrial stick 9.00 m (3D)
- 2 with industrial stick 9.00 m and grapple model GM 72C (3D)
- 3 with industrial stick 9.00 m (3C)
- 4 with industrial stick 9.00 m and grapple model GM 72C (3C)

Operating Weight and Ground Pressure

Operating weight includes basic machine with rigid cab elevation 2.00 m, counterweight 14.5 t, industrial-type angled mono boom 10.50 m, industrial stick 9.00 m and grapple model GM 72C with 5 semi-closed tines 1.20 m³ (2,920 kg).

Undercarriage	S-EW
Pad width	mm 750
Weight	kg 76,200
Ground pressure	kg/cm ² 0.85

Lift Capacities

with Industrial-Type Angled Mono Boom 10.50 m

Industrial Stick 7.80 m (Variant 3C)

↑ m	Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		18.0 m		m		
18.0	S-EW																									
16.5	S-EW																									
15.0	S-EW														8.3*	8.3*								8.3*	8.3*	12.2
13.5	S-EW														8.1*	8.1*	8.0*	8.0*						8.0*	8.0*	13.6
12.0	S-EW														8.1*	8.1*	7.9*	7.9*						7.9*	7.9*	14.7
10.5	S-EW														8.2*	8.2*	8.0*	8.0*	7.8*	7.8*				7.8*	7.8*	15.6
9.0	S-EW														8.6*	8.6*	8.2*	8.2*	7.9*	7.9*				7.8*	7.8*	16.2
7.5	S-EW											9.7*	9.7*	9.0*	9.0*	8.5*	8.5*	8.1*	8.1*	7.8*	7.8*			7.8*	7.8*	16.8
6.0	S-EW										11.7*	11.7*	10.5*	10.5*	9.6*	9.6*	8.9*	8.9*	8.4*	8.4*	8.0*	8.0*		7.9*	7.9*	17.1
4.5	S-EW	3.4*	3.4*	27.0*	27.0*	19.3*	19.3*	15.4*	15.4*	13.0*	13.0*	11.3*	11.3*	10.2*	10.2*	9.3*	9.3*	8.7*	8.7*	8.2*	8.2*		7.8*	8.0*	17.4	
3.0	S-EW			7.5*	7.5*	22.6*	22.6*	17.4*	17.4*	14.3*	14.3*	12.2*	12.2*	10.8*	10.8*	9.8*	9.8*	9.0*	9.0*	8.4*	8.4*		7.6*	8.1*	17.4	
1.5	S-EW	1.4*	1.4*	5.5*	5.5*	13.5*	13.5*	19.1*	19.1*	15.5*	15.5*	13.1*	13.1*	11.5*	11.5*	10.3*	10.3*	9.4*	9.4*	8.2*	8.7*		7.6*	8.3*	17.4	
0	S-EW	3.2*	3.2*	5.9*	5.9*	11.1*	11.1*	20.4*	20.4*	16.4*	16.4*	13.8*	13.8*	12.0*	12.0*	10.7*	10.7*	9.3*	9.6*	8.1*	8.8*		7.6*	8.5*	17.2	
-1.5	S-EW	4.8*	4.8*	6.8*	6.8*	10.8*	10.8*	18.8*	18.8*	17.1*	17.1*	14.4*	14.4*	12.4*	12.4*	10.6*	11.0*	9.1*	9.9*	8.0*	8.9*		7.7*	8.7*	16.9	
-3.0	S-EW			7.9*	7.9*	11.3*	11.3*	17.7*	17.7*	17.5*	17.5*	14.7*	14.7*	12.3*	12.7*	10.4*	11.2*	9.0*	9.9*				8.0*	9.0*	16.5	
-4.5	S-EW			9.0*	9.0*	12.0*	12.0*	17.9*	17.9*	17.6*	17.6*	14.6*	14.8*	12.1*	12.8*	10.3*	11.2*	9.0*	9.8*				8.5*	9.2*	15.8	
-6.0	S-EW					13.0*	13.0*	18.8*	18.8*	17.2*	17.2*	14.6*	14.6*	12.1*	12.5*	10.4*	10.8*						9.2*	9.5*	15.1	
-7.5	S-EW							16.4*	16.4*	13.9*	13.9*	11.8*	11.8*										10.7*	10.7*	13.8	
-9.0	S-EW																									

ER 954 C

Industrial Stick 9.00 m (Variant 3C)

↑ m	Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		18.0 m		m		
18.0	S-EW																									
16.5	S-EW																							7.4*	7.4*	
15.0	S-EW															7.2*	7.2*							7.0*	7.0*	13.8
13.5	S-EW															7.0*	7.0*	7.0*	7.0*					6.8*	6.8*	15.0
12.0	S-EW															7.0*	7.0*	7.0*	7.0*					6.6*	6.6*	16.0
10.5	S-EW															7.1*	7.1*	7.0*	7.0*	6.9*	6.9*			6.6*	6.6*	16.8
9.0	S-EW															7.4*	7.4*	7.1*	7.1*	7.0*	7.0*			6.6*	6.6*	17.4
7.5	S-EW															8.1*	8.1*	7.7*	7.7*	7.4*	7.4*	7.1*	7.1*	6.7*	6.7*	17.9
6.0	S-EW											9.4*	9.4*	8.6*	8.6*	8.1*	8.1*	7.7*	7.7*	7.3*	7.3*	7.1*	7.1*	6.8*	6.8*	18.3
4.5	S-EW							13.4*	13.4*	11.5*	11.5*	10.2*	10.2*	9.3*	9.3*	8.6*	8.6*	8.0*	8.0*	7.6*	7.6*	7.2*	7.2*	7.0*	7.0*	18.5
3.0	S-EW	4.4*	4.4*	21.8*	21.8*	19.7*	19.7*	15.4*	15.4*	12.9*	12.9*	11.2*	11.2*	10.0*	10.0*	9.1*	9.1*	8.4*	8.4*	7.8*	7.8*	7.3*	7.4*	6.9*	7.2*	18.6
1.5	S-EW	2.9*	2.9*	8.3*	8.3*	22.6*	22.6*	17.3*	17.3*	14.2*	14.2*	12.1*	12.1*	10.6*	10.6*	9.6*	9.6*	8.7*	8.7*	8.1*	8.1*	7.1*	7.6*	6.8*	7.4*	18.5
0	S-EW	3.6*	3.6*	6.9*	6.9*	13.8*	13.8*	18.9*	18.9*	15.3*	15.3*	12.9*	12.9*	11.3*	11.3*	10.0*	10.0*	9.1*	9.1*	8.0*	8.4*	7.0*	7.7*	6.8*	7.6*	18.4
-1.5	S-EW	4.6*	4.6*	7.0*	7.0*	11.7*	11.7*	20.1*	20.1*	16.2*	16.2*	13.6*	13.6*	11.8*	11.8*	10.4*	10.4*	9.1*	9.4*	7.9*	8.5*		6.9*	7.8*	18.1	
-3.0	S-EW	5.6*	5.6*	7.6*	7.6*	11.3*	11.3*	18.8*	18.8*	16.8*	16.8*	14.1*	14.1*	12.2*	12.2*	10.3*	10.7*	8.9*	9.6*	7.7*	8.6*		7.1*	8.1*	17.6	
-4.5	S-EW	6.6*	6.6*	8.4*	8.4*	11.6*	11.6*	17.8*	17.8*	17.2*	17.2*	14.4*	14.4*	11.9*	12.4*	10.1*	10.9*	8.8*	9.6*	7.7*	8.6*		7.5*	8.3*	17.1	
-6.0	S-EW			9.2*	9.2*	12.2*	12.2*	17.9*	17.9*	17.1*	17.1*	14.3*	14.4*	11.9*	12.4*	10.1*	10.8*	8.7*	9.5*				8.0*	8.6*	16.3	
-7.5	S-EW					13.0*	13.0*	18.7*	18.7*	16.7*	16.7*	14.1*	14.1*	11.9*	12.1*	10.1*	10.5*	8.9*	9.0*				8.7*	8.8*	15.4	
-9.0	S-EW							15.7*	15.7*	13.3*	13.3*												11.5*	11.5*	13.3	

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

The lift capacities are stated in metric tonnes (t) on the lifting gear's stick tip, and can be lifted 360° on firm, level supporting surface. Capacities are valid for 600 mm wide triple grouser pads. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via *). Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook.

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.

Lift Capacities

with Industrial-Type Angled Mono Boom 10.50 m

Industrial Stick 7.80 m (Variant 3D)

m	Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		18.0 m		m			
18.0	S-EW																							10.1*	10.1*	7.9	
16.5	S-EW											9.9*	9.9*												9.0*	9.0*	10.4
15.0	S-EW											9.9*	9.9*	9.5*	9.5*										8.5*	8.5*	12.2
13.5	S-EW											9.7*	9.7*	9.3*	9.3*	9.0*	9.0*								8.1*	8.1*	13.6
12.0	S-EW											9.8*	9.8*	9.3*	9.3*	8.9*	8.9*								7.9*	7.9*	14.7
10.5	S-EW											10.0*	10.0*	9.4*	9.4*	9.0*	9.0*	8.6*	8.6*						7.9*	7.9*	15.6
9.0	S-EW									11.4*	11.4*	10.5*	10.5*	9.7*	9.7*	9.1*	9.1*	8.7*	8.7*						7.9*	7.9*	16.2
7.5	S-EW							13.8*	13.8*	12.2*	12.2*	11.1*	11.1*	10.1*	10.1*	9.4*	9.4*	8.9*	8.9*	8.4*	8.4*				8.0*	8.0*	16.8
6.0	S-EW			24.2*	24.2*	18.7*	18.7*	15.4*	15.4*	13.3*	13.3*	11.8*	11.8*	10.6*	10.6*	9.8*	9.8*	9.1*	9.1*	8.5*	8.5*				8.1	8.1*	17.1
4.5	S-EW	3.4*	3.4*	30.2*	30.2*	21.7*	21.7*	17.2*	17.2*	14.4*	14.4*	12.5*	12.5*	11.2*	11.2*	10.1*	10.1*	9.3*	9.3*	8.6	8.7*				7.8	8.3*	17.4
3.0	S-EW			7.5*	7.5*	24.5*	24.5*	18.9*	18.9*	15.5*	15.5*	13.3*	13.3*	11.7*	11.7*	10.5*	10.5*	9.6*	9.6*	8.4	8.8*				7.6	8.4*	17.4
1.5	S-EW	1.4*	1.4*	5.5*	5.5*	13.5*	13.5*	20.3*	20.3*	16.5*	16.5*	14.0*	14.0*	12.2*	12.2*	10.8*	10.8*	9.5	9.8*	8.2	8.9*				7.6	8.5*	17.4
0	S-EW			5.9*	5.9*	11.1*	11.1*	21.3*	21.3*	17.2*	17.2*	14.5*	14.5*	12.6*	12.6*	10.8	11.1*	9.3	10.0*	8.1	9.0*				7.6	8.6*	17.2
-1.5	S-EW			6.8*	6.8*	10.8*	10.8*	18.8*	18.8*	17.7*	17.7*	14.9*	14.9*	12.5	12.8*	10.6	11.3*	9.1	10.0*	8.0	8.9*				7.7	8.7*	16.9
-3.0	S-EW					11.3*	11.3*	17.7*	17.7*	17.7*	17.7*	14.8	14.9*	12.3	12.9*	10.4	11.2*	9.0	9.9*						8.0	8.8*	16.5
-4.5	S-EW					12.0*	12.0*	17.9*	17.9*	17.4*	17.4*	14.6	14.7*	12.1	12.6*	10.3	11.0*	9.0	9.5*						8.5	8.9*	15.8
-6.0	S-EW											14.1*	14.1*	12.1*	12.1*										11.5*	11.5*	13.7
-7.5	S-EW																										
-9.0	S-EW																										

Industrial Stick 9.00 m (Variant 3D)

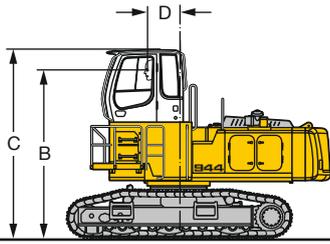
m	Under-carriage	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		18.0 m		m			
18.0	S-EW											8.5*	8.5*												8.1*	8.1*	10.2
16.5	S-EW											9.1*	9.1*	8.5*	8.5*										7.4*	7.4*	12.2
15.0	S-EW													8.5*	8.5*	8.2*	8.2*								7.0*	7.0*	13.8
13.5	S-EW													8.4*	8.4*	8.1*	8.1*	7.4*	7.4*						6.8*	6.8*	15.0
12.0	S-EW													8.4*	8.4*	8.1*	8.1*	7.8*	7.8*						6.6*	6.6*	16.0
10.5	S-EW											9.0*	9.0*	8.6*	8.6*	8.2*	8.2*	7.9*	7.9*	7.6*	7.6*				6.6*	6.6*	16.8
9.0	S-EW											9.4*	9.4*	8.9*	8.9*	8.4*	8.4*	8.0*	8.0*	7.7*	7.7*				6.6*	6.6*	17.4
7.5	S-EW									10.9*	10.9*	10.0*	10.0*	9.3*	9.3*	8.7*	8.7*	8.2*	8.2*	7.8*	7.8*	6.7*	6.7*		6.7*	6.7*	17.9
6.0	S-EW							13.6*	13.6*	12.0*	12.0*	10.7*	10.7*	9.8*	9.8*	9.0*	9.0*	8.4*	8.4*	7.9*	7.9*	7.5*	7.5*		6.8*	6.8*	18.3
4.5	S-EW	38.1*	38.1*	25.0*	25.0*	18.9*	18.9*	15.4*	15.4*	13.1*	13.1*	11.5*	11.5*	10.4*	10.4*	9.4*	9.4*	8.7*	8.7*	8.1*	8.1*	7.4	7.7*		7.0*	7.0*	18.5
3.0	S-EW	4.4*	4.4*	21.8*	21.8*	21.9*	21.9*	17.2*	17.2*	14.3*	14.3*	12.4*	12.4*	10.9*	10.9*	9.9*	9.9*	9.0*	9.0*	8.3*	8.3*	7.3	7.8*		6.9	7.2*	18.6
1.5	S-EW	2.9*	2.9*	8.3*	8.3*	23.0*	23.0*	18.9*	18.9*	15.4*	15.4*	13.1*	13.1*	11.5*	11.5*	10.2*	10.2*	9.3*	9.3*	8.2	8.5*	7.1	7.9*		6.8	7.5*	18.5
0	S-EW	3.6*	3.6*	6.9*	6.9*	13.8*	13.8*	20.1*	20.1*	16.3*	16.3*	13.8*	13.8*	12.0*	12.0*	10.6*	10.6*	9.3	9.5*	8.0	8.7*	7.0	7.9*		6.8	7.8*	18.4
-1.5	S-EW	4.6*	4.6*	7.0*	7.0*	11.7*	11.7*	20.9*	20.9*	17.0*	17.0*	14.3*	14.3*	12.3*	12.3*	10.6	10.8*	9.0	9.7*	7.9	8.7*				6.9	7.9*	18.1
-3.0	S-EW			7.6*	7.6*	11.3*	11.3*	18.8*	18.8*	17.3*	17.3*	14.5*	14.5*	12.2	12.5*	10.3	11.0*	8.9	9.7*	7.7	8.7*				7.1	8.0*	17.6
-4.5	S-EW			8.4*	8.4*	11.6*	11.6*	17.8*	17.8*	17.3*	17.3*	14.4	14.5*	12.0	12.5*	10.1	10.9*	8.8	9.6*	7.7	8.4*				7.5	8.1*	17.1
-6.0	S-EW					12.2*	12.2*	17.9*	17.9*	16.8*	16.8*	14.2*	14.2*	11.9	12.2*	10.1	10.6*	8.8	9.2*						8.3	8.7*	16.1
-7.5	S-EW																										
-9.0	S-EW																										

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

The lift capacities are stated in metric tonnes (t) on the lifting gear's stick tip, and can be lifted 360° on firm, level supporting surface. Capacities are valid for 600 mm wide triple grouser pads. Indicated loads are based on ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity (indicated via *). Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook.

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.

Choice of Cab Elevation and Cab Protection

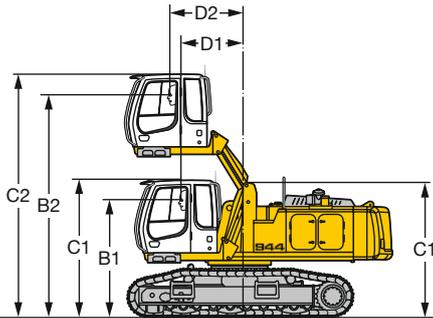


Rigid Cab Elevation

	934	944	954	934	944	954
	mm	mm	mm	mm	mm	mm
Height	1,200	1,200	1,200	2,000	2,000	2,000
B	3,865	3,995	4,405	4,665	4,795	5,205
C	4,365	4,490	4,900	5,165	5,290	5,700
D	780	765	1,105	780	765	1,105

Additional weight with fixed cab elevation 2,000 mm in relation to cab elevation 1,200 mm:

934: 400 kg 944: 200 kg 954: 400 kg

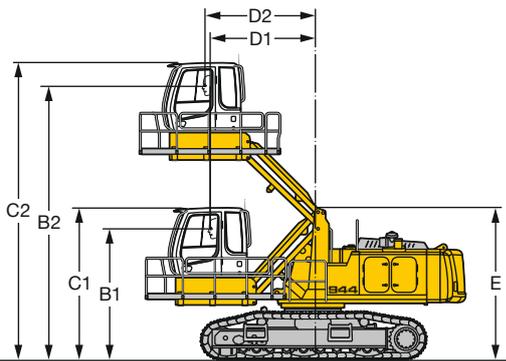


Hydraulic Cab Elevation

	934	944	954
	mm	mm	mm
B1	2,660	2,790	3,200
B2	5,160	5,290	5,700
C1	3,160	3,290	3,700
C2	5,660	5,790	6,200
D1	1,485	1,450	1,800
D2	1,730	1,700	2,050
E	3,080	3,200	3,640

Additional weight in relation to cab elevation 1,200 mm:

934: 500 kg 944: 600 kg 954: 500 kg



Hydraulic Cab Elevation (Parallelogram)

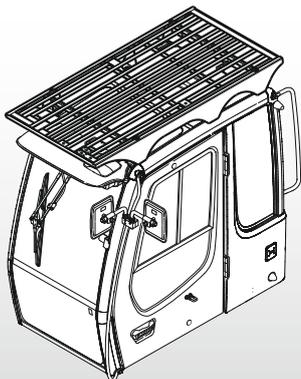
+ Intermediate Piece 0.5 m

	944	954
	mm	mm
B1	3,300	3,705
B2	6,885	7,275
C1	3,798	4,200
C2	7,383	7,770
D1	2,490	2,890
D2	2,630	3,040
E	3,785	4,160

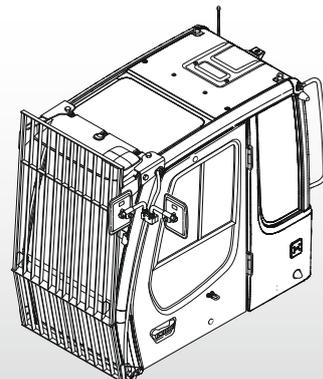
Additional weight in relation to cab elevation 1,200 mm:

944: 1,700 kg 954: 1,600 kg

FOPS Guard



Front Guard

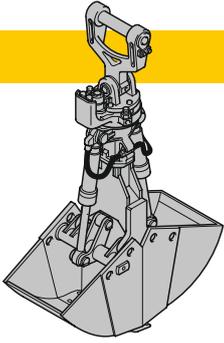


Variety of Tools

ER 934 C

ER 944 C

ER 954 C



Shells for Loose Material

Shells for loose material with cutting edge (without teeth)

Clamshell Model GM 20B

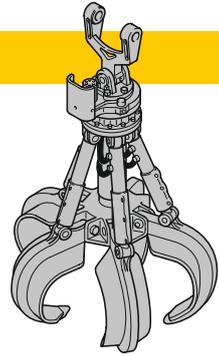
Cutting width of shells	mm	1,000	1,200	1,600
Capacity	m ³	1.30	1.50	2.00
Weight	kg	1,355	1,415	1,550

Clamshell Model GM 22C

Cutting width of shells	mm	1,500	1,500	2,000
Capacity	m ³	1.85	2.20	3.00
Weight	kg	2,500	2,600	3,050

Clamshell Model GMZ 50

Cutting width of shells	mm	1,400		
Capacity	m ³	3.50		
Weight	kg	2,670		



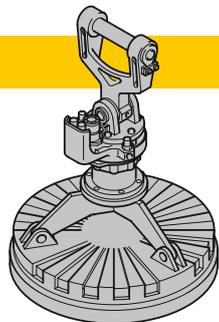
Multiple Tine Grapples

		open tines		semi-closed tines		closed tines					
Grapple Model GM 64 (4 tines)	Capacity	m ³	0.40	0.60	0.40	0.60	0.40	0.60			
	Weight	kg	845	1,130	1,055	1,330	1,060	1,520			
Grapple Model GM 65 (5 tines)	Capacity	m ³	0.40	0.60	0.40	0.60	0.40	0.60			
	Weight	kg	1,150	1,230	1,285	1,415	1,325	1,520			
Grapple Model GM 69 (4 tines)	Capacity	m ³	0.80	1.10	0.80	1.10	0.80	1.10			
	Weight	kg	1,345	1,395	1,535	1,640	1,900	2,060			
Grapple Model GM 70C (5 tines)	Capacity	m ³	0.80	1.10	0.80	1.10	0.80	1.10			
	Weight	kg	1,485	1,590	1,705	1,860	1,950	1,995			
Grapple Model GM 72C (4 tines)	Capacity	m ³	1.20	1.40	1.60	1.20	1.40	1.60			
	Weight	kg	2,090	2,140	2,160	2,410	2,470	2,510	2,700	2,760	2,810
Grapple Model GM 72C (5 tines)	Capacity	m ³	1.20	1.40	1.60	1.20	1.40	1.60			
	Weight	kg	2,520	2,570	2,590	2,920	2,990	3,040	3,020	3,100	3,160
Grapple Model GMM 80 (4 tines)	Capacity	m ³	1.10	1.40	1.70	1.10	1.40	1.70	-	-	-
	Weight	kg	1,950	1,990	2,050	2,130	2,195	2,250	-	-	-
Grapple Model GMM 80 (5 tines)	Capacity	m ³	1.10	1.40	1.70	1.10	1.40	1.70	1.10	1.40	1.70
	Weight	kg	2,190	2,240	2,310	2,400	2,480	2,550	2,550	2,600	2,720



Crane Hook with Suspension

Max. load	t	12.5	32
Weight	kg	96	180



Electro Magnets with Suspension

Magnet information on request

Equipment



Uppercarriage

Complete tool set	•
Engine hood with pneumatic damping and mechanical stop	•
Handrails, non-slip surfaces	•
Junction box with active protection	•
Lockable tool box	•
Maintenance-free swing brake lock, integrated in the transmission	•
Sound insulation	•
Extension of security system for access to the machine	+
Frequency of 60 Hz	+
Pedal controlled positioning swing brake	+
Special painting	+
Voltage other than 400 V	+
Wide walkways and handrails	+



Hydraulics

Electronic regulation by power limit	•
Filter with integrated fine filter area (5 µm)	•
Measuring points for hydraulic circuit pressure	•
Minimum flow at high pressure	•
Operating mode selector with continuous regulation	•
Pressure accumulator for controlled lowering of attachments with the engine turned off	•
Shut-off valve between hydraulic tank and pumps	•
Filling with bio-degradable oil	+
Filter for secondary circuit	+
Liebherr Tool Control	+
Supplementary hydraulic circuits	+



Operator's Cab

Automatic climate control with defrosting function	•
Cab front roof	•
Cigar lighter and ashtray	•
Closed storage space	•
Coat hook	•
Emergency exit through rear window	•
Floor mat	•
Interior lighting	•
Interior rear-view mirror	•
Multi-function display	•
Operating hours display, visible from the outside	•
Panoramic tinted windows	•
Pocket storage space	•
Radio pre-equipment	•
Right-hand window without central mounting	•
Roof window and windshield in laminated glass	•
Seat adjusted independently or in association with the console (6 adjustment positions)	•
Seat belt	•
Sliding window in door	•
Sun blind	•
Windshield wipers and windshield wash	•
Additional spotlights on cab roof (front/rear)	+
Armored windshield (not movable)	+
Electric cool box	+
Extinguishers	+
Extra supply heating	+
Radio unit	+
Seat with pneumatic suspension, headrest and heating	+
Stone impact protection (FOPS)	+
Warning beacon	+
Wipers for front lower window	+
Wipers for roof window	+



Attachment

Cylinders with end of run damper	•
Hydraulic connections for quick coupling system	•
Hydraulic lines for supply to clamshell/grapple in stick	•
Liebherr semi-automatic centralised lubrication	•
Operating spotlights	•
Safety device to prevent hose rupture (lifting cylinder) with regeneration	•
Safety device to prevent hose rupture (stick cylinder) with regeneration	•
Sealed pivots and bearings	•
Liebherr automatic centralised lubrication	+
Liebherr range of clamshells/grapples	+
Lifting hook	+
Overload warning	+
Special painting	+

• = Standard, + = Option

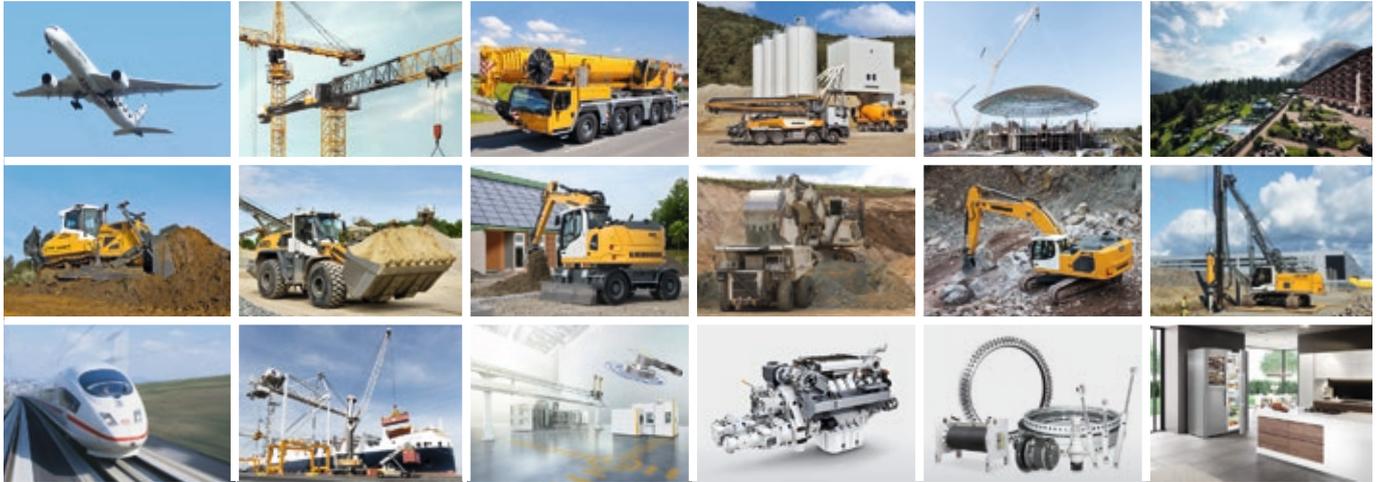
Options and/or special attachments, supplied by vendors other than Liebherr, are only to be installed with the knowledge and approval of Liebherr in order to retain warranty.

ER 934 C

ER 944 C

ER 954 C

The Liebherr Group of Companies



Wide Product Range

The Liebherr Group is one of the largest construction equipment manufacturers in the world. Liebherr's high-value products and services enjoy a high reputation in many other fields. The wide range includes domestic appliances, aerospace and transportation systems, machine tools and maritime cranes.

Exceptional Customer Benefit

Every product line provides a complete range of models in many different versions. With both their technical excellence and acknowledged quality, Liebherr products offer a maximum of customer benefits in practical applications.

State-of-the-art Technology

To provide consistent, top quality products, Liebherr attaches great importance to each product area, its components and core technologies. Important modules and components are developed and manufactured in-house, for instance the entire drive and control technology for construction equipment.

Worldwide and Independent

Hans Liebherr founded the Liebherr family company in 1949. Since then, the family business has steadily grown to a group of more than 130 companies with more than 46,000 employees located on all continents. The corporate headquarters of the Group is Liebherr-International AG in Bulle, Switzerland. The Liebherr family is the sole owner of the company.

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