

Product Information

Material Handling Machine

LH 26 C Industry

Litronic®

Operating Weight:
25,700 – 25,800 kg

Engine:
110 kW

Electro



LIEBHERR

Performance

Power plus speed –
Redefined performance



Economy

Good investment –
Savings for long-term

Reliability

Durability and sustainability –
Quality down to the last detail

Comfort

Perfection at a glance –
When technology is comfortable

Maintainability

Efficiency bonus – Even with
maintenance and service



Well Thought Out to the last Detail





Electric Motor

- Powerful, robust and economic
- Designed for heavy duty applications
- Constant performance



Dust-Intensive Jobs

- Reversible fan slows down contamination of motor and cooler and ensures a high machine availability
- Large-mesh cooler for optimised reversing



Excellent Service Access

- Large, wide-opening service doors
- Air and cab air filters are easily and safely accessible from the ground
- Short service times for more productivity

Convincing in Operation



Performance

Rapid Work Cycles

The electric material handler LH 26 is fitted with a load-sensing-control. This divides the fluid delivered by the pump independently of the load pressures. As a result the simultaneous actuation of multiple consumers for example the movement of the attachment or the uppercarriage has no effect on the speed of the material handler. The benefit is that this makes overlaid movements possible to achieve a much higher handling capacity.

Precision Operation

Precision and fine control of the material handling machine are particularly important in applications such as waste separation or scrap recycling using a magnetic system. The excellent interplay between the engine, hydraulics and electronics guarantees precision, fine control whilst also ensuring fast, powerful movements. The high efficiency of the Liebherr handler LH 26 Industry is therefore guaranteed even for these demanding types of work.

Economy

Optimised Operating Costs

The investment in an electric-powered material handling machine is worth it in the long-term. The price advantage of electricity over diesel is constantly rising and reflected directly in the operating costs of the machine. Furthermore, the lower maintenance requirements reduce the service costs incurred and guarantee high machine availability.

Environmentally-friendly

Environmental criteria and CO₂ emissions, in particular, are growing in importance. With the electric drive, we offer an economically interesting alternative to conventional diesel machines.

Reliability

Quality and Competence

Our experience, understanding of customer needs and the technical implementation of these findings guarantee the success of the product. For decades, Liebherr has been inspirational with its depth of production and system solutions. Key components such as the diesel engine, electronic components, slewing ring, swivelling drive and hydraulic cylinders are developed and produced by Liebherr itself. The great depth of in-house manufacturing guarantees maximum quality and ensures that components are optimally configured to each other.

Liebherr Quality and Process Data Management

The process-orientated quality management with ongoing optimisation of the work routines guarantees longevity of the Liebherr machine and assures quality of the end product. Thanks to state-of-the-art test technologies, a 100% function and pressure test is made possible and, in this way, the highest level of reliability is assured.

Service

A quick response when service is needed keeps downtimes to a minimum and ensures compliance with time specifications. This is made possible by a spare parts availability of over 98% and fast – usually next day – delivery. Liebherr-trained service technicians perform service and maintenance tasks on-site quickly and in accordance with manufacturer specifications.

Comfort

Ergonomic Design

The modern cab design provides excellent conditions for healthy, concentrated and productive work in maximum comfort. The display unit with touchscreen, the controls and driver's seat are all coordinated to form a perfect ergonomic unit. In addition the ergonomic joysticks allow the machine operation to be both pleasant and precise.

Low Noise Levels

The use of viscoelastic mounts, good insulation and modern, low-noise diesel engines from Liebherr minimises noise emissions and vibrations. The noise levels are just 71 dB(A) in the driver's cab and 100 dB(A) outside. This means that the material handling machine LH 26 C Industry has low noise to preserve people and the environment.

Maintainability

Service-based Machine Design

The service-based machine design guarantees short servicing times, thus minimising maintenance costs due to the time it saves. All the maintenance points are easily accessible from the ground and easy to reach due to the large, wide-opening service doors. The enhanced service concept places the maintenance points close to each other and reduces their number to a minimum. This means that service work can be completed even more quickly and efficiently.

Integral Maintenance Benefits

Completing maintenance work helps keep the machine fully functional. Maintenance work does, however, mean machine down times which must be minimised. Automatic central lubrication systems for attachment and the upper-carriage as well as optional systems for the undercarriage, quick coupling system and working tools not only make it easier to observe the recommended lubrication intervals and ensure a long service life for the components, but also increase the productivity of the Liebherr material handler LH 26 Industry.

Technical Data



Electric Motor

Engine	induction motor dedicated definition Liebherr
Power rating	110 kW at 1,489 RPM
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



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
- Main contactor – manual contactor at the undercarriage
- Star / delta starter for motor
- Overheat protection devices
- Integrated heating and ventilation
- Transformers – 230 V AC voltage for the heating
- Motor protection
- Battery: 2 x 135 Ah / 12 V



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	with hydraulic pilot control and proportional joystick levers
Chassis	with proportionally functioning foot pedals or adjusted with plugable levers
Additional functions	via switch or electroproportional foot pedals
Option	proportional control, proportionally acting transmitters on the joysticks for additional hydraulic functions



Hydraulic System

Hydraulic pump	
for attachment and travel drive	Liebherr, variable displacement, swashplate pump
Max. flow	330 l/min.
Max. pressure	350 bar
Hydraulic pump regulation and control	Liebherr-Synchron-Comfort-system (LSC) with electronic engine speed sensing regulation, pressure and flow compensation, load sensing and torque controlled swing drive priority
Hydraulic tank	150 l
Hydraulic system	320 l
Hydraulic oil filter	1 main return filter with integrated partial micro filtration (5 µm)
Cooling system	compact cooling system with thermostatically controlled 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 material handling and heavy-duty jobs
S (Sensitive)	mode for precision work and lifting through very sensitive movements
E (Eco)	mode for especially economical and environmentally friendly operation
P (Power)	mode for high performance with low fuel consumption
P+ (Power-Plus)	mode for highest performance and for very heavy duty applications, suitable for continuous operation
Engine speed and performance setting	stepless alignment of engine output and hydraulic power via engine speed
Option	Tool Control: ten preadjustable pump flows and pressures for add on tools



Swing Drive

Drive	Liebherr swashplate motor with integrated brake valve and torque control, Liebherr planetary reduction gear
Swing ring	Liebherr, sealed race ball bearing swing ring, internal teeth
Swing speed	0 – 8 RPM stepless
Swing torque	50 kNm
Holding brake	wet multi-disc (spring applied, pressure released)
Option	pedal controlled positioning swing brake

* Other voltages and frequencies possible on request.



Operator's Cab

Kabine	TOPS safety cab structure (tip-over protection) with individual windscreens or featuring a slide-in subpart under the ceiling, work headlights 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 shades for the sunroof window and windscreen
Operator's seat	
Standard	air cushioned operator's seat with headrest, lap belt, seat heater, manual weight adjustment, adjustable seat cushion inclination and length and mechanical lumbar vertebrae support
Option	
Comfort	in addition to operator's seat standard: lockable horizontal suspension, automatic weight adjustment, adjustable suspension stiffness, pneumatic lumbar vertebrae support and passive seat climatisation with active coal
Premium	in addition to operator's seat comfort: active electronic weight adjustment (automatic readjustment), pneumatic low frequency suspension and active seat climatisation with active coal and ventilator
Control system	joysticks with arm consoles and swivel seat
Operation and displays	large high-resolution operating unit, selfexplanatory, colour display with touchscreen, video-compatible, numerous setting, 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 out-side temperatures, sensors for solar radiation, inside and outside temperatures



Undercarriage

Version	LC
Type	torsion-resistant box design made from high-strength steel plate, designed for the toughest requirements
Drive	per side of undercarriage one Liebherr swashplate motor with brake valves acting on both sides
Travel speed	0 – 2,5 km/h stepless (creeper speed)
Track components	B60, maintenance-free
Track pads	triple grouser
Holding brake	wet, maintenance-free multi disc brakes
Option	EW with turret auto stable pedestal (steel structure) elastic mounting for setup on concrete foundation pedestals



Attachment

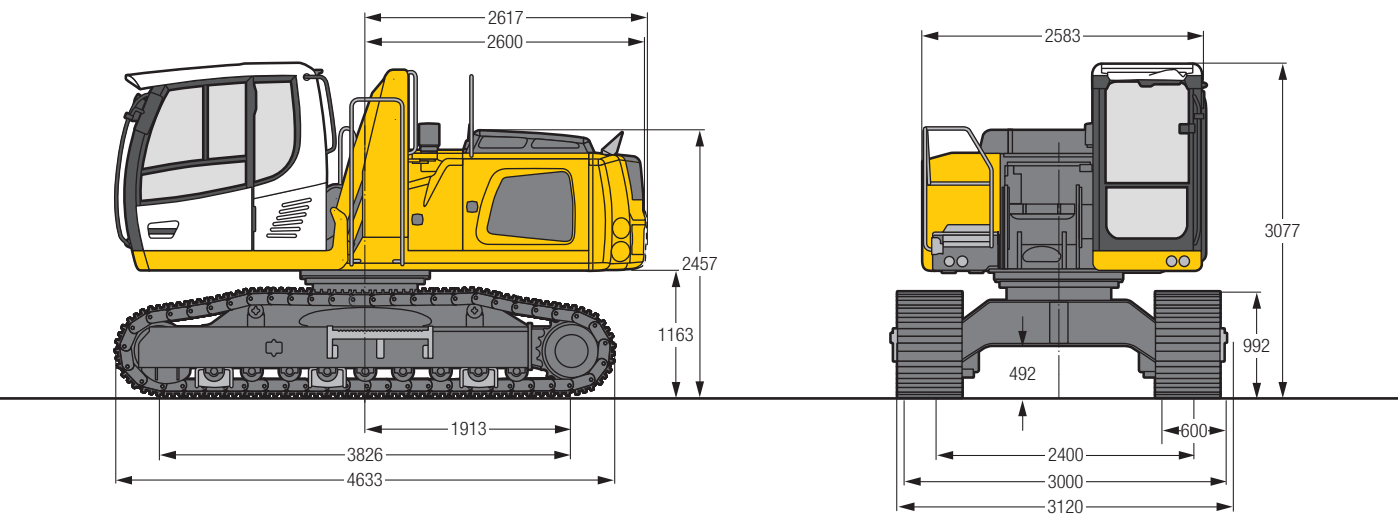
Type	high-strength steel plates at highlystressed points for the toughest requirements. Complex and stable mountings of attachment and cylinders
Hydraulic cylinders	Liebherr cylinders with special seal system as well as shock absorption
Bearings	sealed, low maintenance



Complete Machine

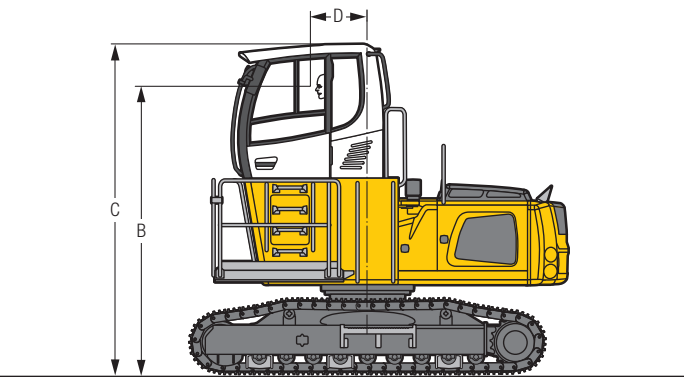
Lubrication	Liebherr central lubrication system for uppercarriage and attachment, automatically	
Noise emission		
ISO 6396	L _{pA} (inside cab)	= 71 dB(A)
2000/14/EC	L _{WA} (surround noise)	= 100 dB(A)

Dimensions



Choice of Cab Elevation

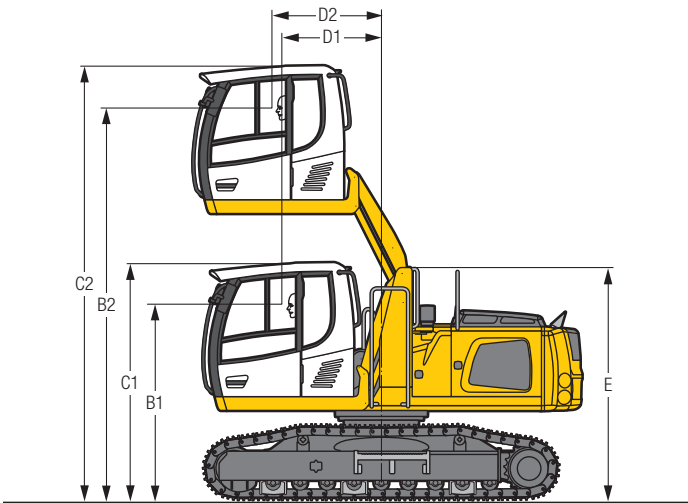
Cab Elevation LFC (Rigid Elevation)



Increase type		LFC 80	LFC 120	LFC 150
Height	mm	800	1,200	1,500
B	mm	3,335	3,735	4,035
C	mm	3,877	4,277	4,577
D	mm	731	731	731

A rigid cab elevation has a fixed eye level height. For a lower transport height, the shell of the cab can be removed and replaced by a transport device. The dimension C is in this machine design for all rigid cab elevations 3,381 mm.

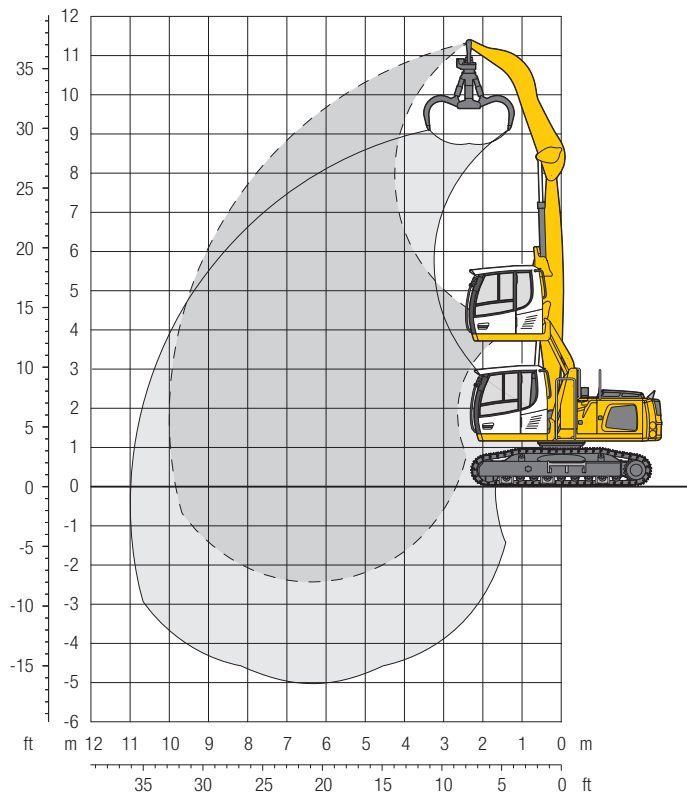
Cab Elevation LHC (Hydraulic Elevation)



Increase type	LHC 255
B1	2,534 mm
B2	5,081 mm
C1	3,077 mm
C2	5,624 mm
D1	1,286 mm
D2	1,412 mm
E	3,018 mm

The hydraulically adjustable cab allows the driver, that he can choose his field of view freely and at any time within the stroke.


















Attachment GA10



Operating Weight and Ground Pressure

The operating weight includes the basic machine with hydr. cab elevation, straight boom 6.10 m, angled stick 4.00 m and grab model GM 65/0.60 m³ semi-closed tines.

Weight	25,800 kg
Pad width	600 mm
Ground pressure	on request

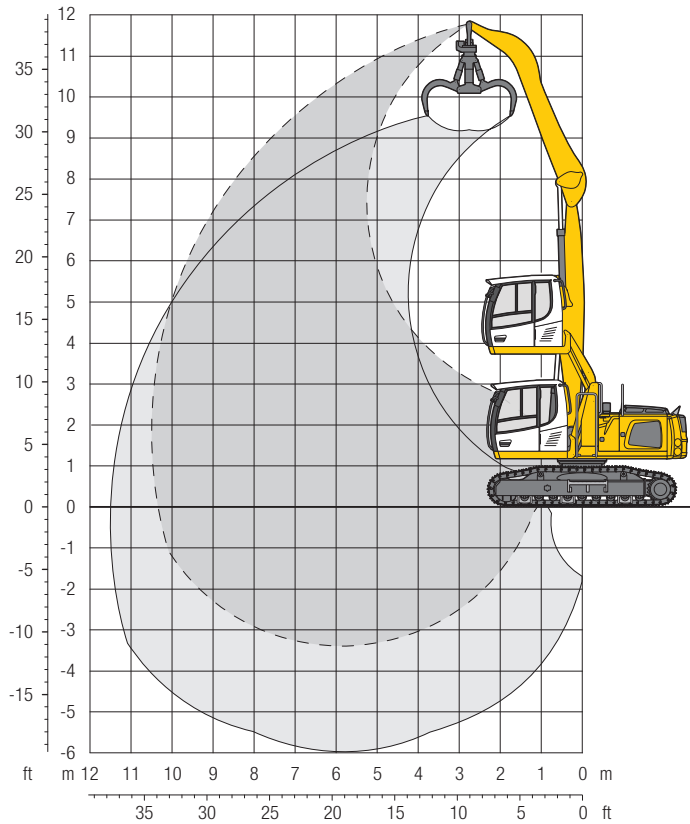
		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m				
	 m																	m
10.5	LC			6.6	6.9*											5.7	5.9*	5.0
9.0	LC			6.8	8.3*	4.7	7.0*									3.8	4.9*	7.0
7.5	LC			6.9	9.0*	4.7	7.6*	3.5	5.7							3.0	4.5*	8.3
6.0	LC			6.7	9.6*	4.7	7.6	3.5	5.7	2.7	4.4					2.6	4.3*	9.1
4.5	LC	12.4*	12.4*	6.4	10.3	4.6	7.4	3.4	5.6	2.7	4.4					2.4	3.9	9.7
3.0	LC	9.3*	9.3*	5.9	9.6	4.3	7.0	3.3	5.4	2.6	4.3					2.3	3.8	9.9
1.5	LC	2.4*	2.4*	5.5	8.9	4.1	6.7	3.2	5.2	2.6	4.2					2.3	3.7	10.0
0	LC	3.3*	3.3*	5.2	8.5	3.9	6.4	3.1	5.0	2.5	4.1					2.3	3.7*	9.8
-1.5	LC			5.2	8.4	3.9	6.3	3.1	5.0							2.6	3.9*	8.7
-3.0	LC																	

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

The lift capacities on the stick end without attachment are stated in metric tons (t) and can be slewed through 360° on a firm, level supporting surface. Capacities are valid for 600 mm wide triple grouser pads. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity of the unit is limited by its stability, the lifting capability of the hydraulic elements, or the maximum permissible lifting capacity of the load hook.

In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

Attachment GA11



Operating Weight and Ground Pressure

The operating weight includes the basic machine with hydr. cab elevation, straight boom 5.60 m, angled stick 5.00 m and grab model GM 65/0.60 m³ semi-closed tines.

Weight	25,800 kg
Pad width	600 mm
Ground pressure	on request

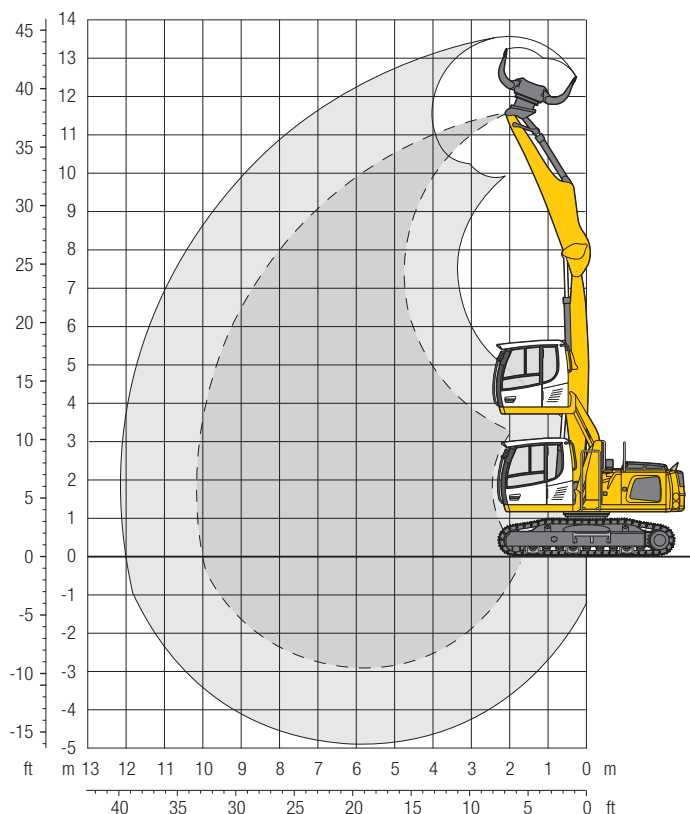
		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m				
	Undercarriage																	m
10.5	LC																	
9.0	LC					4.7	6.1*	3.1	4.0*							3.1	4.0*	7.5
7.5	LC					4.8	6.8*	3.2	5.8*							2.4	3.8*	8.7
6.0	LC					4.7	7.2*	3.2	6.0	2.2	4.4					1.9	3.4*	9.6
4.5	LC			7.3	7.7*	4.5	7.6*	3.0	5.9	2.2	4.3					1.7	3.5*	10.1
3.0	LC	8.1*	8.1*	6.7	10.4*	4.2	8.2*	2.9	5.7	2.1	4.5					1.6	3.3	10.4
1.5	LC	11.2	18.4*	5.9	11.7*	3.8	7.8	2.7	5.5	2.0	4.1	1.5	3.2			1.5	3.2	10.5
0	LC	5.8*	5.8*	5.3	11.9*	3.5	7.4	2.5	5.3	1.9	4.0					1.5	3.3	10.3
-1.5	LC	5.8*	5.8*	4.9	10.8*	3.3	7.2	2.4	5.1	1.8	3.9					1.7	3.5*	9.7
-3.0	LC			4.8	8.4*	3.2	6.4*	2.4	4.7							2.3	4.4*	7.7

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

The lift capacities on the stick end without attachment are stated in metric tons (t) and can be slewed through 360° on a firm, level supporting surface. Capacities are valid for 600 mm wide triple grouser pads. Indicated loads based on the ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity. The lift capacity of the unit is limited by its stability, the lifting capability of the hydraulic elements, or the maximum permissible lifting capacity of the load hook.

In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.










Attachment GK10



Operating Weight and Ground Pressure

The operating weight includes the basic machine with hydr. cab elevation, straight boom 5.60 m, stick with tipping kinematics 4.50 m and sorting grab SG 20B/0.60 m³ tines.

Weight	25,700 kg
Pad width	600 mm
Ground pressure	on request

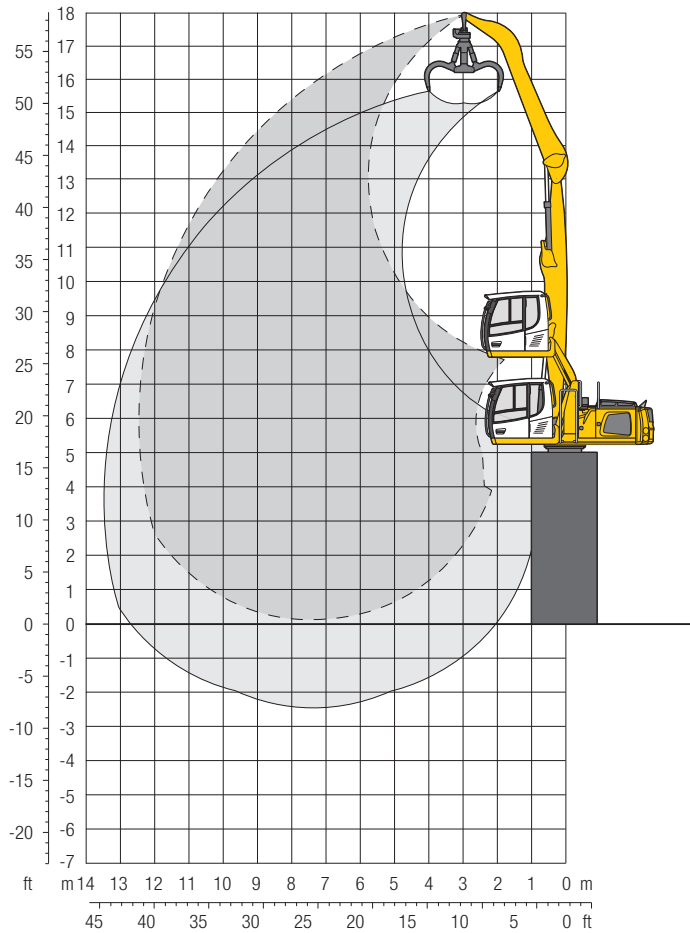
		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m				
	 m																	
	Undercarriage																	m
10.5	LC			6.8*	6.8*											5.6	5.8*	5.0
9.0	LC			7.3	7.7*	4.3	6.6*									3.2	4.6*	7.0
7.5	LC			7.4	7.7*	4.4	7.3*	2.9	5.7							2.3	4.2*	8.3
6.0	LC			7.2	7.7*	4.4	7.3*	2.9	5.7	2.0	4.1					1.8	3.8	9.2
4.5	LC			6.9	8.4*	4.2	7.7*	2.8	5.6	1.9	4.1					1.6	3.5	9.7
3.0	LC	9.9*	9.9*	6.2	10.8*	3.9	7.9	2.6	5.4	1.9	4.0					1.5	3.3	10.0
1.5	LC	6.1*	6.1*	5.5	11.8*	3.5	7.5	2.5	5.2	1.8	3.9					1.4	3.2	10.1
0	LC	3.6*	3.6*	5.0	11.6*	3.3	7.3	2.3	5.1	1.7	3.8					1.4	3.2*	10.0
-1.5	LC	4.8*	4.8*	4.8	10.0*	3.1	7.0	2.2	5.0	1.7	3.6*					1.7	3.5*	9.1
-3.0	LC																	

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

The lift capacities on the stick end without attachment are stated in metric tons (t) and can be slewed through 360° on a firm, level supporting surface. Capacities are valid for 600 mm wide triple grouser pads. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity of the unit is limited by its stability, the lifting capability of the hydraulic elements, or the maximum permissible lifting capacity of the load hook.

In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

Attachment GA13




















Operating Weight and Ground Pressure

The operating weight includes the basic machine (only uppercarriage and attachment) with hydr. cab elevation, straight boom 7.10 m, angled stick 5.50 m and grab model GM 65/ 0.60 m³ semi-closed tines.

Weight 17,800 kg

Access steps and pedestals provided by the customer.

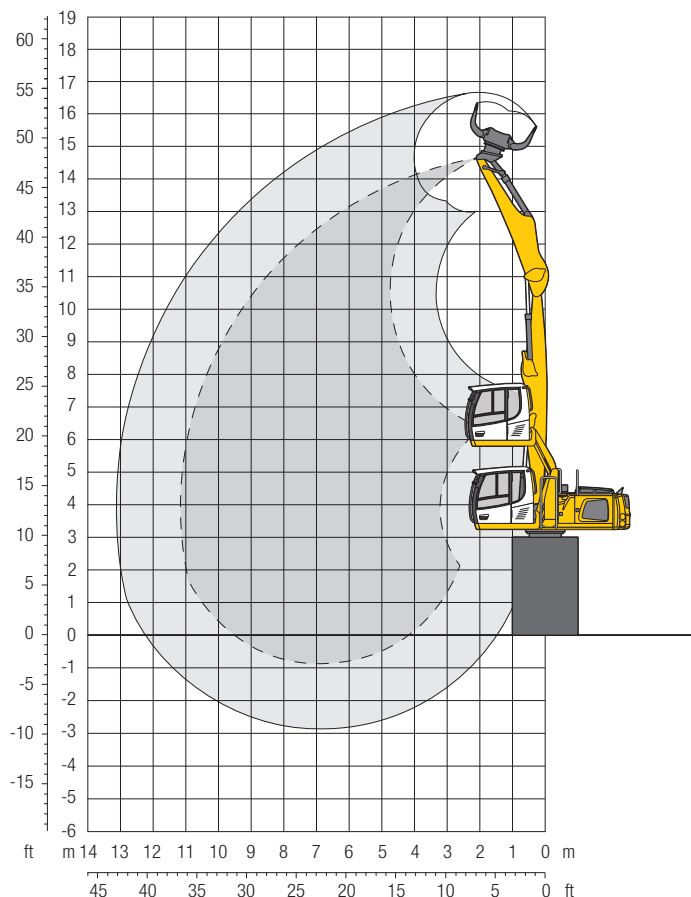
	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m					
m																m		
12.0					5.2*	5.2*										4.1*	4.1*	6.9
10.5					5.9*	5.9*	5.1*	5.1*								3.5*	3.5*	8.8
9.0					6.3*	6.3*	5.7*	5.7*	4.8*	4.8*						3.2*	3.2*	10.1
7.5					6.5*	6.5*	5.7*	5.7*	5.0*	5.0*	4.1*	4.1*				3.1*	3.1*	11.0
6.0					6.9*	6.9*	6.3*	6.3*	5.0*	5.0*	4.3*	4.3*				3.0*	3.0*	11.7
4.5			7.8*	7.8*	7.3*	7.3*	6.0*	6.0*	5.1*	5.1*	4.3*	4.3*	3.4*	3.4*		3.1*	3.1*	12.1
3.0	16.2*	16.2*	10.5*	10.5*	7.8*	7.8*	6.2*	6.2*	5.1*	5.1*	4.3*	4.3*	3.4*	3.4*		3.0*	3.0*	12.4
1.5	1.9*	1.9*	11.1*	11.1*	8.1*	8.1*	6.3*	6.3*	5.1*	5.1*	4.1*	4.1*	3.2*	3.2*		2.9*	2.9*	12.4
0	1.8*	1.8*	6.9*	6.9*	7.8*	7.8*	6.1*	6.1*	4.9*	4.9*	3.9*	3.9*	2.8*	2.8*		2.5*	2.5*	12.3
-1.5	2.7*	2.7*	6.0*	6.0*	7.1*	7.1*	5.5*	5.5*	4.4*	4.4*	3.3*	3.3*				2.2*	2.2*	11.9
-3.0			6.5*	6.5*	5.8*	5.8*	4.6*	4.6*	3.6*	3.6*	2.5*	2.5*				2.5*	2.5*	10.5

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

The lift capacities on the stick end without attachment are stated in metric tons (t) and can be slewed through 360° on a firm, level supporting surface. Indicated loads based on the ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity. The lift capacity of the unit is limited by its stability, the lifting capability of the hydraulic elements, or the maximum permissible lifting capacity of the load hook.

In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

Attachment GK11



Operating Weight and Ground Pressure

The operating weight includes the basic machine (only uppercarriage and attachment) with hydr. cab elevation, straight boom 6.60 m, stick with tipping kinematics 4.50 m and sorting grab SG 20B/0.60 m³ tines.

Weight 17,400 kg

Access steps and pedestals provided by the customer.

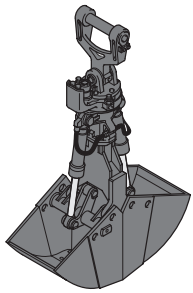
	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m				
m																	m
12.0			6.4*	6.4*											6.2*	6.2*	4.6
10.5			7.5*	7.5*	6.4*	6.4*									4.6*	4.6*	7.1
9.0					6.9*	6.9*	5.9*	5.9*							4.0*	4.0*	8.6
7.5					6.9*	6.9*	5.9*	5.9*	5.1*	5.1*					3.7*	3.7*	9.7
6.0			7.9*	7.9*	7.2*	7.2*	6.0*	6.0*	5.1*	5.1*					3.5*	3.5*	10.4
4.5	7.1*	7.1*	9.9*	9.9*	7.6*	7.6*	6.2*	6.2*	5.1*	5.1*	4.2*	4.2*			3.5*	3.5*	10.9
3.0			10.9*	10.9*	8.0*	8.0*	6.3*	6.3*	5.1*	5.1*	4.0*	4.0*			3.5*	3.5*	11.1
1.5			10.2*	10.2*	8.1*	8.1*	6.2*	6.2*	4.9*	4.9*	3.8*	3.8*			3.1*	3.1*	11.1
0	1.2*	1.2*	6.3*	6.3*	7.6*	7.6*	5.8*	5.8*	4.5*	4.5*	3.2*	3.2*			2.6*	2.6*	11.0
-1.5			6.7*	6.7*	6.5*	6.5*	5.0*	5.0*	3.7*	3.7*					2.8*	2.8*	10.0
-3.0																	

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

The lift capacities on the stick end without attachment are stated in metric tons (t) and can be slewed through 360° on a firm, level supporting surface. Indicated loads based on the ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity. The lift capacity of the unit is limited by its stability, the lifting capability of the hydraulic elements, or the maximum permissible lifting capacity of the load hook.

In accordance with the harmonised European Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe fracture safety valves, an overload warning device, a load hook and a lift capacity chart.

Working Tools

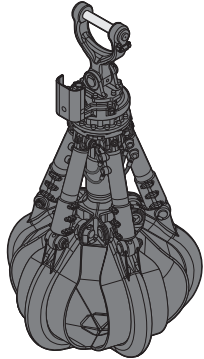


Shells for Loose Material

Shells for loose material with cutting edge (without teeth)

Grab model GM 10B

Width of shells	mm	1,000	1,300	1,500	1,500	1,800
Capacity	m ³	1.00	1.30	1.50	1.80	1.80
Weight	kg	1,050	1,135	1,195	1,255	1,440



Multi-Tine Grab

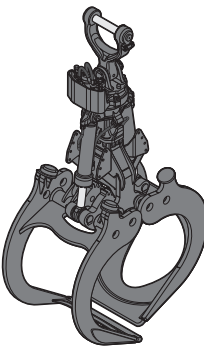
open semi-closed closed

Grab model GM 64 (4 tines)

Capacity	m ³	0.40	0.60	0.40	0.60	0.40	0.60
Weight	kg	800	910	940	1,060	1,100	1,265

Grab model GM 65 (5 tines)

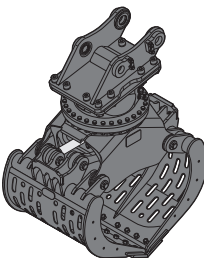
Capacity	m ³	0.40	0.60	0.40	0.60	0.40	0.60
Weight	kg	1,175	1,310	1,350	1,490	1,365	1,605



Wood Grab

Grab model GM 10B round-shaped (complete overlapping, vertical cylinders)

Size	m ²	0.80	1.00	1.30
Cutting width	mm	810	810	810
Height of grab, closed	mm	2,124	2,249	2,375
Weight	kg	1,260	1,305	1,360

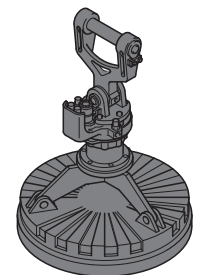


Sorting Grab

perforated closed perforated closed perforated closed

Grab model SG 20B

Width of shells	mm	800	800	1,000	1,000	1,200	1,200
Capacity	m ³	0.40	0.40	0.50	0.50	0.60	0.60
Max. closing force	kN	40	40	40	40	40	40
Weight incl. adapter plate SWA	kg	885	900	930	945	975	985



Magnet Devices/Lifting Magnets

Generator	kW	10	10
Electromagnets with suspension (direct attached)			
Power	kW	5.5	8.8
Diameter of magnet	mm	1,150	1,250
Weight	kg	1,125	1,415

Equipment

Undercarriage

Track pads, variants	+
Tool equipment, extended	+

Uppercarriage

Railing on uppercarriage	+
Generator	+
Main battery switch for electrical system	•
Protection for headlights	+
Protection for rear lights	+

Hydraulic System

Electronic pump regulation	•
Liebherr hydraulic oil from -20 °C to +40 °C	•
Liebherr hydraulic oil, biologically degradable	+
Magnetic rod in hydraulic tank	•
Bypass filter	+
Preheating hydraulic oil	+

Cooling System

Radiator, large-mesh, for dust-intensive operation	•
Reversible fan drive, fully automatic	+
Protective grid in front of cooler intake	•

Operator's Cab

Cab lights rear, halogen	+
Cab lights rear, LED	+
Cab lights front, halogen	•
Cab lights front, LED	+
Operator's seat Standard	•
Operator's seat Comfort	+
Operator's seat Premium	+
Driving alarm (acoustic signal is emitted during travel, can be switched ON/OFF)	+
Fire extinguisher	+
Joystick steering	+
Cab elevation, hydraulic (LHC)	+
Cab elevation, rigid (LFC)	+
Automatic air conditioning	•
Electric cooler	+

Operator's Cab

LiDAT Plus (extended Liebherr data transfer system) *	•
Bullet proof glass	+
Positioning swing brake	+
Proportional control	+
Radio Comfort (control via display)	+
Preparation for radio installation	•
Back-up alarm (acoustic signal is emitted traveling backward, can not be switched off)	+
Warning beacon on cab	+
Windscreen wiper, roof	+
Top guard	+
Front guard	+
Auxiliary heating, adjustable (week time switch)	+
Flashing light (xenon)	+
Electronic immobilizer	+

Attachment

Boom lights, 2 pieces, halogen	•
Boom lights, 2 pieces, LED	+
Stick lights, 2 pieces, halogen	•
Stick lights, 2 pieces, LED, with protection	+
Boom shutoff (extend)	+
AutoLift	+
Height limitation and stick shutoff, electronically	+
Boom cylinder cushioning	+
Industrial stick with quick coupling	+
Stick camera (with separate monitor), bottom side, with protection	+
Liebherr multi coupling system	+
Liebherr quick coupler, hydraulic or mechanical	+
Pipe fracture safety valves hoist cylinders	•
Pipe fracture safety valve stick cylinder	•
Quick coupling system LIKUFIX	+
Quick coupling system MH40	+
Protection for piston rod, hoist cylinder	+
Protection for bottom side of stick	+
Overload warning device	+

Complete Machine

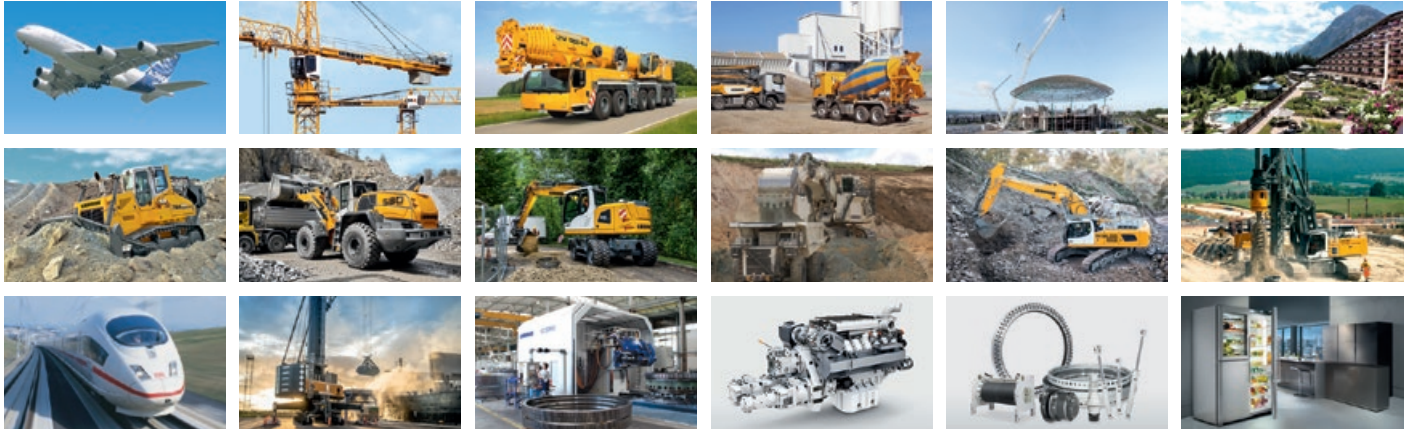
Lubrication Central lubrication system for uppercarriage and attachment, automatically	•
Special coating, variants	+
Monitoring Rear view monitoring with camera	•
Side view monitoring with camera	+

• = Standard, + = Option

* = optionally extendable after one year

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.

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 that time, the enterprise has steadily grown to a group of more than 130 companies with over 41,000 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.

www.liebherr.com

Liebherr-Hydraulikbagger GmbH

Liebherrstraße 12, D-88457 Kirchdorf/Ilser
☎ +49 7354 80-0, Fax +49 7354 80-72 94
www.liebherr.com, E-Mail: info.lhb@liebherr.com
www.facebook.com/LiebherrConstruction