

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

LH 150 M Port Litronic

Operating weight 130,000-150,000 kg*

Stage V

System performance

LH 150 C Port Litronic Operating weight

130,000-155,000 kg*

Stage IIIA (compliant)

System performance

400 kW / 543 HP

Engine

Stage V

Electric

614 kW

Tier 4 Final

Engine

400 kW / 543 HP Stage IIIA (compliant) Tier 4 Final

614 kW

* Without attachment

LH 150 M High Rise **Port Litronic**

Operating weight

140,000-160,000 kg*

Engine

400 kW / 543 HP

Stage V

Stage IIIA (compliant)

Tier 4 Final

System performance

614 kW



LH 150 C High Rise Port Litronic

Operating weight

135,000-165,000 kg*

Engine

400 kW / 543 HP

Stage V

Stage IIIA (compliant)

Tier 4 Final

Electric

System performance

614 kW

LH 150 M Gantry Port Litronic

Operating weight

150,000-185,000 kg*

Engine

400 kW / 543 HP

Stage V

Stage IIIA (compliant)

Tier 4 Final

Electric

System performance

614 kW

LH 150 C Gantry Port Litronic

Operating weight

155,000-185,000 kg*

Engine

400 kW / 543 HP

Stage V

Stage IIIA (compliant)

Tier 4 Final

Electric

System performance

614 kW

LH 150 T Gantry Port Litronic

Operating weight

180,000-220,000 kg*

Engine

400 kW

Electric

System performance

614 kW

Technical data

Diesel engine

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Rating per ISO 9249	400 kW (543 HP) at 1,700 RPM	
Model	Liebherr D9508	
Туре	8 cylinder V-engine	
Bore / Stroke	128/157 mm	
Displacement	16.161	
Engine operation	4-stroke diesel	
	Common-Rail	
	Turbo-charged and after-cooled	
	Reduced emissions	
Air cleaner	Dry-type air cleaner with pre-cleaner, primary and safety elements	
Engine idling	Sensor controlled	
Electrical system		
Voltage	24V	
Batteries	4 x 180 Ah / 12 V	
Alternator	Three-phase current 28 V / 180 A	
Stage V		
Harmful emissions values	According to regulation (EU) 2016/1628	
Emission control	Liebherr-SCRFilter technology	
Fuel tank	2,8401	
Urea tank	1801	
Stage IIIA (compliant)		
Harmful emissions values	In accordance with ECE-R.96 Power Band H	
Fuel tank	2,8401	
Tier 4 Final		
Harmful emissions values	In accordance with 40CFR1039 (EPA) / 13CCR (CARB)	
Emission control	Liebherr-SCRFilter technology	
Fuel tank	2,840 l	
Urea tank	1801	



Electric motor

Rating	400 kW at 1,700 RPM		
Model	Liebherr KGF1391		
Туре	Three-phase squirrel cage motor		
Secondary electric motor	Electric motor auxiliary equipment (air-conditioning compressor, alternator 24 V) 15 kW		
Electrical system energy supply	Liebherr drive components and control cabinets for uppercarriage and undercarriage Liebherr frequency converter fed drive system Heavy-duty version		
Manufacturer	Liebherr		
Supply voltage			
Low voltage	380-690 V		
High voltage	2.14-20 kV		
Frequency	50/60 Hz		
Engine idling	Sensor controlled		
Electrical system	Battery-assisted		
	Control system, lighting, diagnostics system		
Voltage	24V		
Batteries	2 x 180 Ah/12 V		
Alternator	Three-phase current 28 V / 140 A		

Deviating parameters of the power supply system must always be clarified with Liebherr-Hydraulikbagger GmbH.



\approx Cooling system

Diesel engine	Water-cooled Cooling system, consisting of a cooling unit for water and charge air and a 2nd cooler for hydraulic oil, each with an infinitely variable, thermostatically controlled fan drive system
Electric motor	Air-cooled Cooling system for hydraulic oil with an infinitely variable, thermostatically controlled fan drive system Frequency converter water-cooled



Hydraulic controls

— Hydradiio oontrois		
Power distribution	Via control valves with integrated safety valves, simulta- neous actuation of chassis and equipment. Swing drive in separate closed circuit	
Servo circuit		
Equipment and swing	With electro-hydraulic pilot control and proportional joystick levers	
Chassis	with electro-hydraulic pilot control and an additional proportional joystick lever	
Additional functions		
Proportional control	Proportionally acting transmitters on the joysticks for additional hydraulic functions	



Hydraulic system

inyuraulic system		
Hydraulic pump		
For equipment and travel drive	4 Liebherr axial piston variable displacement pumps	
Max. flow	4 x 278 l/min.	
Max. pressure	350 bar	
For swing drive	Reversible axial piston variable displacement pump, closed-loop circuit	
Max. flow	455 l/min.	
Max. pressure	260 bar	
Hydraulic pump regulation and control	Positive Control multi-circuit hydraulic system for inde- pendent and demand controlled dosing via the hydraulic pumps; sensor-controlled	
Hydraulic tank	8601	
Hydraulic system	1,650-1,7001 (depending on undercarriage version)	
Filtration	3 main return filters with integrated partial micro filtra- tion (5 µm), 1 high pressure filter for each main pump	
MODE selection	Adjustment of engine and hydraulic performance via a mode pre-selector to match application, e.g. for espe- cially 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	



Swilly unive	
Drive	Liebherr axial piston motor in a closed system, Liebherr planetary reduction gear
Swing ring	Liebherr, sealed race ball bearing swing ring, internal teeth
Swing speed	0-5.5 RPM stepless
Swing torque	260 kNm
Holding brake	Wet multi-disc (spring applied, pressure released)
Operation holding brake	Slewing gear brake Comfort



⊡ Cab	
Cab	Spacious operator cabin with profiled design, excellent view on working area, access from behind, fixed front, roof and base panel made of bullet proof glass, front screen with electrical heating, shock-absorbing suspension, sound damping insulating, sliding window on left side, sun shadings, folding seat for instructor
Operator's seat Comfort	Air cushioned operator's seat with 3D-adjustable arm- rests, headrest, lap belt, seat heater, adjustable seat cushion inclination and length, lockable horizontal sus- pension, automatic weight adjustment, adjustable sus- pension stiffness, pneumatic lumbar vertebrae support and passive seat climatisation with active coal
Operator's seat Premium (Option)	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
Arm consoles	Joysticks with control consoles and swivel seat
Operation and displays	Large high-resolution operating unit, self-explanatory, colour display with touchscreen, video-compatible, numerous setting, control and monitoring options, e.g. air conditioning control, fuel consumption respectively energy consumption, machine and attachment parameters
Air-conditioning	
Diesel engine	Automatic air-conditioning, recirculated air function, fast de-icing and demisting at the press of a button, air vents can be operated via a menu; recirculated air and fresh air filters can be easily replaced and are accessible from the outside; heating-cooling unit, designed for extreme outside temperatures, sensors for solar radiation, inside and outside temperatures
Electric motor	In addition to diesel engine: stationary air conditioning function with external climate condenser – controlled by a weekly timer
Refrigerant	R134a
Global warming potential	1,430
Quantity at 25 °C*	1,700-2,500 g
CO ₂ equivalent*	2.431-3.575t
Vibration emission**	
Hand/arm vibrations	<2.5 m/s ²
Whole-body vibrations	<0.5 m/s ²
Measuring inaccuracy	According with standard EN 12096:1997



Equipment

1	
Туре	Weight-optimised design for bulk and general cargo handling at optimal handling capacity. Complex and stable mountings of equipment and cylinders
Hydraulic cylinders	Liebherr cylinders with special sealing and guide system and, depending on cylinder type, shock absorption
Energy recovering cylinder	Liebherr gas cylinder with special sealing and control system
Bearings	Sealed, low maintenance

◯ ◯ Undercarriage

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Mobile				
Versions	Standard, High Rise, Gantry			
Drive	One axle drive per drive axle with Liebherr axial piston motor and functional brake valve on both sides			
Travel speed	0-7.8 km/h stepless			
Joystick steering	0-4.2 km/h stepless (creeper speed)			
Axles	Wheelsets with suspended 40 t axles, with slewing drive rotating around the vertical axis, hydraulic cylinder for leveling			
Position of wheelsets	8 steering axles, 2 powered and braked, for leveling and axle load distribution, interconnected by hydraulic			
Steering programs	Front wheel, rear wheel and all-wheel steering, move to the side in crab steering possible, turning on the spot			
Service brake	Two circuit travel brake system with accumulator			
Holding brake	Wet multi-disc (spring applied, pressure released)			
Stabilization	X-shaped 4 point support with 4 folding arms, one verti- cally positioned support cylinder per folding arm, support plates with ball-and-socket joint, removable			
Crawler	, ,			
Versions	SW, High Rise, Gantry			
Drive	Liebherr compact planetary reduction gear with Liebherr axial piston motor per side of undercarriage			
Travel speed	0-3.9 km/h stepless 0-1.7 km/h stepless (creeper speed)			
Brake	Functional brake valves on both sides			
Holding brake	Wet multi-disc (spring applied, pressure released)			
Track pads	Flat			
Tracks	Sealed and greased			
Rail-mounted Gantry				
Chassis	Rail travel drive designed for the respective load per undercarriage corner			
Drive	Compact planetary reduction gear with axial piston motor per rail travel drive			
Brake	Functional brake valves on both sides			
Holding brake	Per rail travel drive wet multi-disc (spring applied, pressure released)			
Storm brakes (Option)	Different designs			

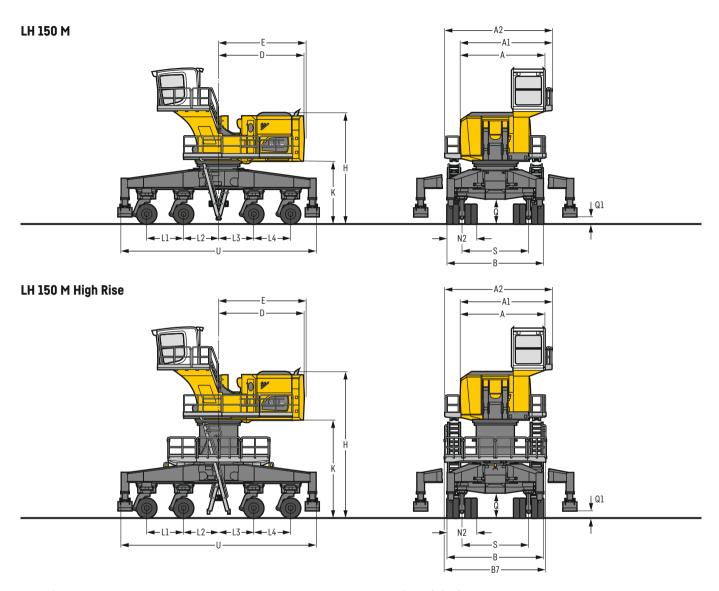


Complete machine			
Lubrication	Liebherr central lubrication system for uppercarriage and equipment, automatically		
Mobile (Option)	Liebherr central lubrication system for undercarriage, automatically		
Steps system	Safe and durable access system with anti-slip steps; main components hot-galvanised		
Noise emission			
ISO 6396 (Stage V)	71 dB(A) = L _{pA} (inside cab)		
2000/14/EC (Stage V)	108 dB(A) = L _{WA} (surround noise)		
ISO 6396 (Stage IIIA compliant)	71 dB(A) = L _{pA} (inside cab)		
2000/14/EC (Stage IIIA compliant)	109 dB(A) = L _{WA} (surround noise)		
ISO 6396 (Tier 4 Final)	71 dB(A) = L _{pA} (inside cab)		
2000/14/EC (Tier 4 Final)	108 dB(A) = L _{WA} (surround noise)		
ISO 6396 (Electric)	71 dB(A) = L _{pA} (inside cab)		
2000/14/EC (Electric)	108 dB(A) = L _{WA} (surround noise)		

^{*} depending on configuration
** for risk assessment according to 2002/44/EC see ISO/TR 25398:2006

LH 150 M / LH 150 M High Rise - Dimensions

Port



LH 150 M

	Cab elevation LFC 250	Cab elevation LFC 350	Cab elevation LHC-D 1090 T
Α	4,811 mm	4,811 mm	4,827 mm
A1	5,260 mm	5,260 mm	5,286 mm
A2	6,155 mm	6,155 mm	6,169 mm
В		5,500 mm	
D		4,860 mm	
Ε		4,980 mm	
Н		6,323 mm	
K		3,568 mm	
L1		2,100 mm	
L2		2,000 mm	
L3		2,000 mm	
L4		2,100 mm	
N2		1,700 mm	
Q		1,431 mm	
Q1		406 mm	
S		3,800 mm	
U		11,137 mm	

LH 150 M High Rise

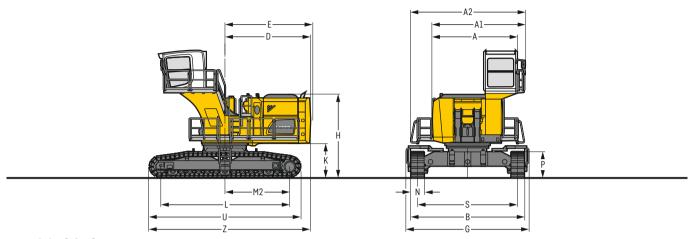
	Cab elevation LFC 250	Cab elevation LFC 350	Cab elevation LHC-D 1090 T
Α	4,811 mm	4,811 mm	4,827 mm
A1	5,260 mm	5,260 mm	5,286 mm
A2	6,155 mm	6,155 mm	6,169 mm
В		5,500 mm	
B7		5,796 mm	
D		4,860 mm	
E		4,980 mm	
Н		8,323 mm	
K		5,568 mm	
L1		2,100 mm	
L2		2,000 mm	
L3		2,000 mm	
L4		2,100 mm	
N2		1,700 mm	
Q		1,431 mm	
Q1		406 mm	
S		3,800 mm	
U		11,137 mm	

Tyres 11.00-20

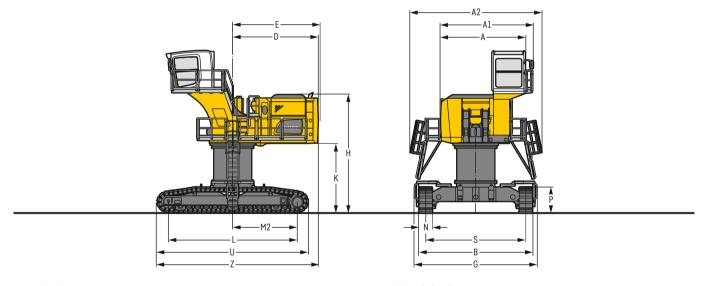
LH 150 C / LH 150 C High Rise - Dimensions

Port

LH 150 C



LH 150 C High Rise



LH 150 C

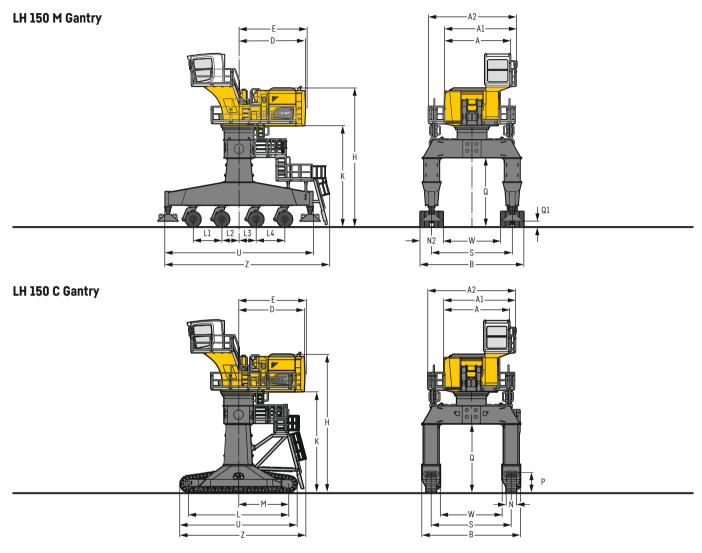
150 C	
Cab elevation LFC 250	Cab elevation LFC 350
4,81	lmm
5,26	0 mm
6,50	2 mm
6,45	0 mm
4,86	0 mm
4,98	0 mm
6,96	4 mm
4,72	4mm
1,96	9 mm
7,38	7 mm
3,69	4 mm
75	0 mm
1,47	8 mm
5,70	0 mm
	lmm
0.17	0 mm
	Cab elevation LFC 250 4,81 5,26 6,50 6,45 4,86 4,98 6,96 4,72 1,96 7,38 3,69 75 1,47 5,70 8,61

LH 150 C High Rise

	Cab elevation LFC 250	Cab elevation LFC 350	Cab elevation LHC-D 1090 T
Α	4,811 mm	4,811 mm	4,827 mm
A1	5,260 mm	5,260 mm	5,121 mm
A2	7,466 mm	7,466 mm	7,466 mm
В		6,450 mm	
D		4,860 mm	
E		4,980 mm	
G		6,964 mm	
Н		6,724 mm	
K		3,969 mm	
L		7,387 mm	
M2		3,694 mm	
N		750 mm	
P		1,478 mm	
S		5,700 mm	
U		8,611 mm	
Z		9,170 mm	

LH 150 M Gantry / LH 150 C Gantry - Dimensions

Port



LH 150 M Gantry

L	130 M Gantiy		
	Cab elevation LFC 250	Cab elevation LFC 350	Cab elevation LHC-D 1090 T
Α	4,811 mm	4,811 mm	4,828 mm
A1	5,260 mm	5,260 mm	5,277 mm
A2	6,453 mm	6,453 mm	6,470 mm
В		7,600 mm	
D		4,860 mm	
E		4,980 mm	
Н		10,161 mm	
K		7,406 mm	
L1		2,100 mm	
L2		1,250 mm	
L3		1,250 mm	
L4		2,100 mm	
N2		1,700 mm	
Q		5,000 mm	
Q1		429 mm	
S		5,900 mm	
U		10,860 mm	
W		4,200 mm	
Z		12,056 mm	

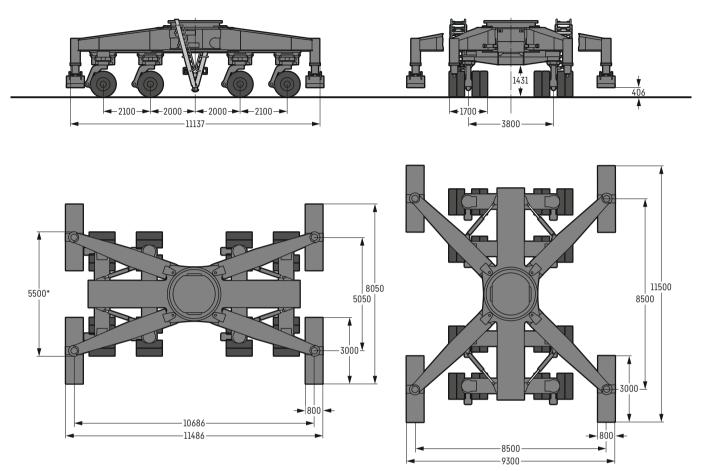
LH 150 C Gantry

	Cab elevation LFC 250	Cab elevation LFC 350	Cab elevation LHC-D 1090 T
Α	4,811 mm	4,811 mm	4,828 mm
A1	5,260 mm	5,260 mm	5,277 mm
A2	6,453 mm	6,453 mm	6,470 mm
В		7,244 mm	
D		4,860 mm	
E		4,980 mm	
Н		10,156 mm	
K		7,401 mm	
L		7,387 mm	
М		3,694 mm	
N		750 mm	
P		1,478 mm	
Q		5,000 mm	
S		5,900 mm	
U		8,611 mm	
W		4,500 mm	
Z		9,254 mm	

Tyres 11.00-20

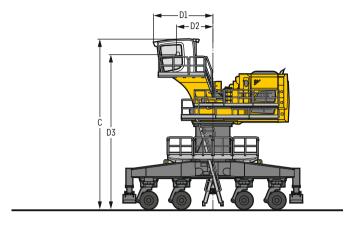
LH 150 M – Dimensions Undercarriage

Port



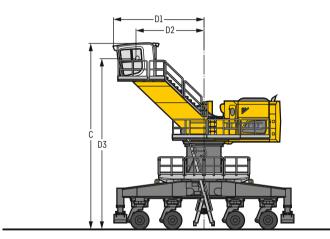
^{*} with removed support plates

Choice of cab elevation



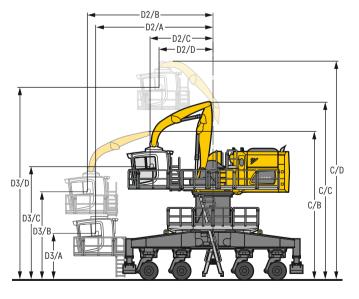
Cab elevation LFC 250 (rigid elevation 2,500 mm)

	LH 150 M	LH 150 M High Rise	LH 150 M Gantry	LH 150 C	LH 150 C High Rise	LH 150 C Gantry
С	8,867 mm	10,867 mm	12,705 mm	7,268 mm	9,267 mm	12,700 mm
D1	3,768 mm	3,768 mm	3,768 mm	3,768 mm	3,768 mm	3,768 mm
D2	2,336 mm	2,336 mm	2,336 mm	2,336 mm	2,336 mm	2,336 mm
D3	7,849 mm	9,849 mm	11,687 mm	6,250 mm	8,250 mm	11,682 mm



Cab elevation LFC 350 (rigid elevation 3,500 mm)

	LH 150 M	LH 150 M High Rise	LH 150 M Gantry	LH 150 C	LH 150 C High Rise	LH 150 C Gantry
С	9,869 mm	11,869 mm	13,705 mm	8,290 mm	10,267 mm	13,700 mm
D1	5,773 mm	5,773 mm	5,773 mm	5,773 mm	5,773 mm	5,773 mm
D2	4,341 mm	4,341 mm	4,341 mm	4,341 mm	4,341 mm	4,341 mm
D3	8,866 mm	10,866 mm	12,687 mm	7,249 mm	9,250 mm	12,682 mm



Cab elevation LHC-D 1090 T (hydraulic elevation)

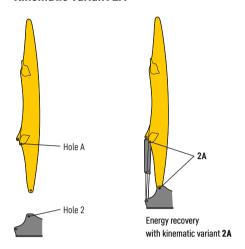
	LH 150 M	LH 150 M High Rise	LH 150 M Gantry	LH 150 C High Rise	LH 150 C Gantry
C/B	7,423 mm	9,423 mm	11,270 mm	7,830 mm	11,262 mm
C/C	9,302 mm	11,302 mm	13,144 mm	9,707 mm	13,139 mm
C/D	11,916 mm	13,916 mm	15,765 mm	12,325 mm	15,760 mm
D2/A	7,845 mm	7,845 mm	6,648 mm	7.944 mm	6,648 mm
D2/B	8,025 mm	8,025 mm	8,026 mm	8,026 mm	8,026 mm
D2/C	4,006 mm	4,006 mm	3,980 mm	3,980 mm	3,980 mm
D2/D	3,439 mm	3,439 mm	3,448 mm	3,448 mm	3,448 mm
D3/A	2,000 mm	2,912 mm	3,212 mm	2.911 mm	3,206 mm
D3/B	3,581 mm	5,581 mm	7,428 mm	3,990 mm	7,422 mm
D3/C	5,209 mm	7,209 mm	9,055 mm	5,618 mm	9,050 mm
D3/D	10,246 mm	12,246 mm	14,092 mm	10,655 mm	14,087 mm

The hydraulically adjustable cab elevation allows the operator to choose his field of view freely and at any time within the stroke.

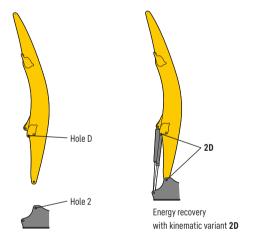
Kinematic variants

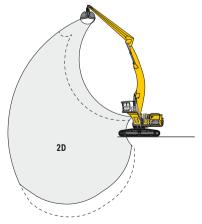


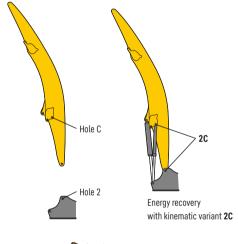
Kinematic variant 2A

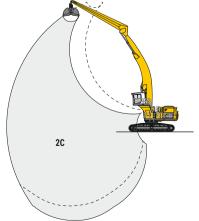


Kinematic variant 2D / 2C





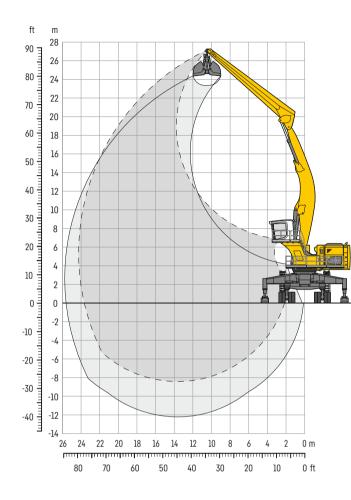




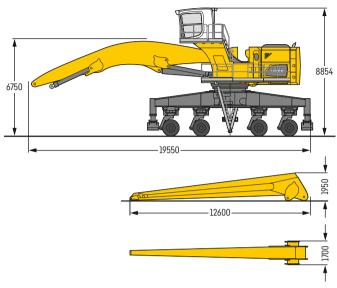
Altered range curve with additional reach depth, e.g. for unloading from ships

LH 150 M - Equipment AG24

Port - Kinematic 2D



Dimensions



Operating weight

The operating weight includes the basic machine with 4 point outriggers, rigid cab elevation, 32 solid tyres, angled boom 13.50 m, straight stick 12.00 m and grab for loose material GMZ $120 / 8.00 \text{ m}^3$.

151,100 kg

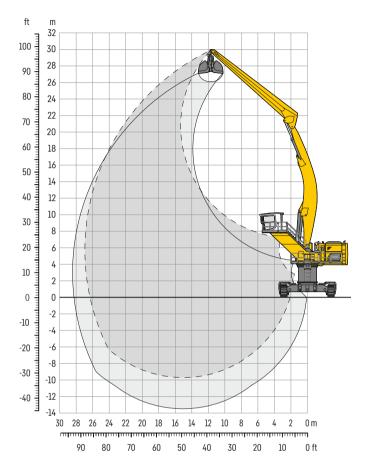
16) m	9.0) m	12.0	0 m	15.	0 m	18.	0 m	21.0	0 m	24.0	0 m	27.0) m	30.0) m	31.5	m	=	~ ₫	∑
12/			1		_		1		1		1		1		1		1		J		1			0
m	Undercarriage		빤	-47			, D		쁜	-47	반				쁜	5	반		124		<u> </u>	-₹	반	m
27.0	4 pt. outriggers down																					14.6*	14.6*	10.9
24.0	4 pt. outriggers down							13.3*	13.3*													12.1*	12.1*	15.5
21.0	4 pt. outriggers down							16.1*	16.1*	12.5*	12.5*											11.1*	11.1*	18.5
18.0	4 pt. outriggers down							16.0*	16.0*	14.4*	14.4*											10.6*	10.6*	20.7
15.0	4 pt. outriggers down							16.3*	16.3*	14.5*	14.5*	13.2*	13.2*									10.4*	10.4*	22.2
12.0	4 pt. outriggers down					19.8*	19.8*	16.9*	16.9*	14.8*	14.8*	13.3*	13.3*									10.4*	10.4*	23.3
9.0	4 pt. outriggers down			27.0*	27.0*	21.3*	21.3*	17.8*	17.8*	15.4*	15.4*	13.6*	13.6*									10.6*	10.6*	23.9
6.0	4 pt. outriggers down	46.0*	46.0*	30.5*	30.5*	23.1*	23.1*	18.8*	18.8*	16.0*	16.0*	13.9*	13.9*	11.7*	11.7*							11.1*	11.1*	24.1
3.0	4 pt. outriggers down	21.2*	21.2*	33.6*	33.6*	24.8*	24.8*	19.8*	19.8*	16.5*	16.5*	14.2*	14.2*									11.8*	11.8*	24.0
0	4 pt. outriggers down	16.3*	16.3*	35.3*	35.3*	25.9*	25.9*	20.4*	20.4*	16.8*	16.8*	14.1*	14.1*									11.9*	11.9*	23.5
-3.0	4 pt. outriggers down	17.1*	17.1*	32.6*	32.6*	25.8*	25.8*	20.3*	20.3*	16.5*	16.5*	13.3*	13.3*									11.5*	11.5*	22.5
-6.0	4 pt. outriggers down			31.3*	31.3*	23.9*	23.9*	18.8*	18.8*	14.9*	14.9*											11.7*	11.7*	20.5
-9.0	4 pt. outriggers down																							

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

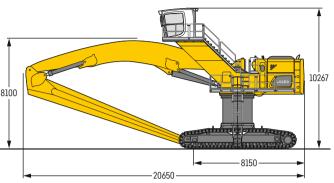
The lift capacities on the stick end without attachment are stated in metric tons (t) and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (±15°) are specified over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. 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.

LH 150 C High Rise – Equipment AG27

Port - Kinematic 2D



Dimensions



Operating weight and ground pressure

The operating weight includes the basic machine with turret 2,000 mm, rigid cab elevation, angled boom $15.00\,\text{m}$, straight stick $13.50\,\text{m}$ and grab for loose material GMZ $120/8.00\,\text{m}^3$.

Weight	150,600 kg
Pad width	750 mm
Ground pressure	on request

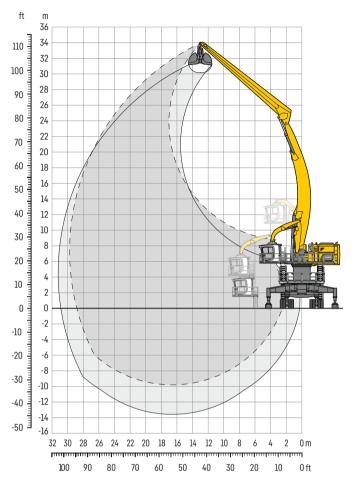
1/	6.0 m		9.0 m		12.0 m		15.0 m		18.0 m		21.0) m	24.	0 m	27.0) m	30.0) m	31.5	5 m	=		=	
10			1		4		Ĵ		_		1		Ĵ		1		1		Ĵ		1		_	Ī
m	Undercarriage			-47						-47								−₹		-47	100	-40		m
27.0	SW							13.2*	13.2*													10.8*	10.8*	16.4
24.0	SW							15.1*	15.1*	12.9*	12.9*											9.8*	9.8*	19.7
21.0	SW									13.1*	13.1*	11.7*	11.7*									9.3*	9.3*	22.2
18.0	SW									13.1*	13.1*	11.7*	11.7*									9.0*	9.0*	24.0
15.0	SW							15.3*	15.3*	13.3*	13.3*	11.8*	11.8*	10.7*	10.7*							8.9*	8.9*	25.3
12.0	SW							15.8*	15.8*	13.6*	13.6*	12.0*	12.0*	10.8*	10.8*							9.0*	9.0*	26.2
9.0	SW			26.2*	26.2*	20.2*	20.2*	16.6*	16.6*	14.1*	14.1*	12.3*	12.3*	10.9*	10.9*							9.2*	9.2*	26.7
6.0	SW	44.3*	44.3*	29.0*	29.0*	21.7*	21.7*	17.4*	17.4*	14.6*	14.6*	12.6*	12.6*	11.1*	11.1*							9.6*	9.6*	26.9
3.0	SW	15.6*	15.6*	31.4*	31.4*	23.0*	23.0*	18.2*	18.2*	15.1*	15.1*	12.9*	12.9*	11.1*	11.1*							9.7*	9.7*	26.8
0	SW	12.5*	12.5*	29.1*	29.1*	23.8*	23.8*	18.7*	18.7*	15.4*	15.4*	13.0*	13.0*	11.0*	11.0*							9.5*	9.5*	26.3
-3.0	SW	13.3*	13.3*	23.8*	23.8*	23.8*	23.8*	18.7*	18.7*	15.3*	15.3*	12.7*	12.7*	10.5*	10.5*							9.2*	9.2*	25.5
-6.0	SW	14.9*	14.9*	23.3*	23.3*	22.5*	22.5*	17.9*	17.9*	14.5*	14.5*	11.7*	11.7*	8.9*	8.9*							8.6*	8.6*	24.2
-9.0	SW					19.4*	19.4*	15.5*	15.5*	12.4*	12.4*											11.0*	11.0*	19.4

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

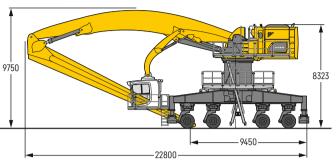
The lift capacities on the stick end without attachment are stated in metric tons (t) and can be slewed through 360° on a firm, level supporting surface. Capacities are valid for 750 mm wide flat pads. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature. This operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. 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.

LH 150 M High Rise - Equipment AG30

Port - Kinematic 2D



Dimensions



Operating weight

The operating weight includes the basic machine with 4 point outriggers, turret 2,000 mm, hydr. cab elevation, 32 solid tyres, angled boom $16.50\,\text{m}$, straight stick $15.00\,\text{m}$ and grab for loose material GMZ $120/8.00\,\text{m}^3$.

Weight 169,300 kg

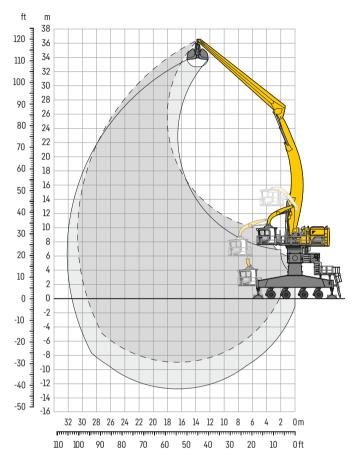
1/		6.0) m	9.0) m	12.0	12.0 m		15.0 m		0 m	21.0 m		24.0 m		27.0 m		30.0 m		31.5 m				∏ _o
m m	Undercarriage	-£	Ė	-4)	Ė	- ∰	Ė		Ė	-4	Ė		Ė		Ė	-	Ŀ		Ė	- <u>-</u>	Ŀ	- ∰	Ė	m
33.0	4 pt. outriggers down							10.8*	10.8*													10.4*	10.4*	15.3
30.0	4 pt. outriggers down									11.1*	11.1*											9.1*	9.1*	19.5
27.0	4 pt. outriggers down									12.2*	12.2*	10.7*	10.7*									8.4*	8.4*	22.5
24.0	4 pt. outriggers down									12.1*		10.6*	10.6*	9.4*	9.4*							8.0*	8.0*	24.8
21.0	4 pt. outriggers down									12.1*	12.1*	10.6*	10.6*	9.4*	9.4*							7.8*	7.8*	26.5
18.0	4 pt. outriggers down										12.3*	10.7*	10.7*	9.4*	9.4*	8.5*	8.5*					7.7*	7.7*	27.8
15.0	4 pt. outriggers down							14.8*	14.8*	12.5*	12.5*	10.8*	10.8*	9.5*	9.5*	8.5*	8.5*					7.8*	7.8*	28.8
12.0	4 pt. outriggers down					18.9*	18.9*	15.2*	15.2*	12.8*	12.8*	11.0*	11.0*	9.6*	9.6*	8.6*	8.6*					7.8*	7.8*	29.4
9.0	4 pt. outriggers down	40.4*	40.4*	26.6*	26.6*	19.8*	19.8*	15.8*	15.8*	13.1*	13.1*	11.2*	11.2*	9.7*	9.7*	8.6*	8.6*					7.7*	7.7*	29.7
6.0	4 pt. outriggers down		17.0*				20.7*	16.3*		13.4*		11.4*		9.9*	9.9*	8.6*	8.6*					7.6*		29.7
3.0	4 pt. outriggers down	10.0*	10.0*	26.1*				16.7*		-		11.5*		9.9*	9.9*	8.5*	8.5*					7.4*	7.4*	29.4
0	4 pt. outriggers down	10.1*	10.1*			21.6*	21.6*	16.9*	16.9*	13.8*	13.8*	11.5*	11.5*	9.8*	9.8*	8.2*	8.2*					7.2*	7.2*	28.8
-3.0	4 pt. outriggers down	11.3*	11.3*	17.9*			21.1*		16.6*	13.5*	13.5*		11.2*	9.3*	9.3*	7.5*	7.5*					6.9*	6.9*	27.8
	4 pt. outriggers down			18.3*	18.3*	19.4*	19.4*	15.5*			12.6*	10.3*	10.3*	8.2*	8.2*							6.4*	6.4*	26.3
-9.0	4 pt. outriggers down							13.1*	13.1*	10.7*	10.7*											8.7*	8.7*	20.6

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

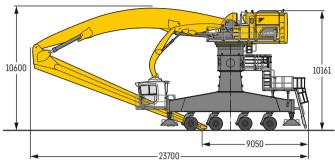
The lift capacities on the stick end without attachment are stated in metric tons (t) and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (±15°) are specified over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. 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.

LH 150 M Gantry - Equipment AG31

Port - Kinematic 2D



Dimensions



Operating weight

The operating weight includes the basic machine with 4 point outriggers, hydr. cab elevation, 32 solid tyres, angled boom $16.50\,\text{m}$, straight stick $16.00\,\text{m}$ and grab for loose material GMZ $120/8.00\,\text{m}^3$.

Weight 176,000 kg

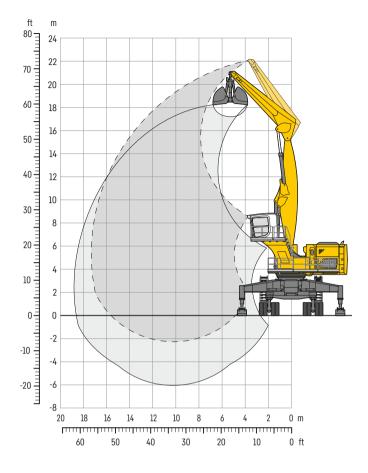
1/		6.0) m	9.0) m	12.	0 m	15.	0 m	18.	0 m	21.0	0 m	24.0) m	27.0	m	30.0) m	31.5	m	-	₩	₽
10	Hardana and an	5	Ŀ	-5	B	-5		-5	Ŀ	-5	Ŀ	-5	ply	-5	pl,	-5	Ŀ	-5	p.			D	Ŀ	
m	Undercarriage		<u></u>		bd		-		L.J		-		b-c		<u>L.</u>		<u></u>		<u></u>		Desc	00		m
36.0	4 pt. outriggers down																					10.1*	10.1*	14.7
33.0	4 pt. outriggers down									10.2*	10.2*											8.7*	8.7*	19.2
30.0	4 pt. outriggers down									12.0*	12.0*	9.9*	9.9*									7.9*	7.9*	22.5
27.0	4 pt. outriggers down									11.9*	11.9*	10.4*	10.4*	9.0*	9.0*							7.5*	7.5*	24.9
24.0	4 pt. outriggers down									11.9*	11.9*	10.4*	10.4*	9.2*	9.2*							7.2*	7.2*	26.8
21.0	4 pt. outriggers down									12.0*	12.0*	10.4*	10.4*	9.2*	9.2*	8.3*	8.3*					7.1*	7.1*	28.3
18.0	4 pt. outriggers down									12.1*	12.1*	10.5*	10.5*	9.3*	9.3*	8.3*	8.3*					7.1*	7.1*	29.4
15.0	4 pt. outriggers down							14.7*	14.7*	12.4*	12.4*	10.7*	10.7*	9.4*	9.4*	8.4*	8.4*	7.5*	7.5*			7.2*	7.2*	30.1
12.0	4 pt. outriggers down					18.9*	18.9*	15.2*	15.2*	12.7*	12.7*	10.9*	10.9*	9.5*	9.5*	8.5*	8.5*	7.5*	7.5*			7.4*	7.4*	30.5
9.0	4 pt. outriggers down	41.2*	41.2*	26.9*	26.9*	19.9*	19.9*	15.8*	15.8*	13.1*	13.1*	11.1*	11.1*	9.7*	9.7*	8.5*	8.5*	7.5*	7.5*			7.3*	7.3*	30.7
6.0	4 pt. outriggers down	14.9*	14.9*	28.4*	28.4*	20.8*	20.8*	16.3*	16.3*	13.4*	13.4*	11.3*	11.3*	9.8*	9.8*	8.5*	8.5*	7.4*	7.4*			7.2*	7.2*	30.5
3.0	4 pt. outriggers down	10.6*	10.6*	24.3*	24.3*	21.4*	21.4*	16.7*	16.7*	13.6*	13.6*	11.4*	11.4*	9.8*	9.8*	8.4*	8.4*	7.1*	7.1*			7.0*	7.0*	30.0
0	4 pt. outriggers down	10.8*	10.8*	19.0*	19.0*	21.4*	21.4*	16.8*	16.8*	13.6*	13.6*	11.4*	11.4*	9.6*	9.6*	8.1*	8.1*					6.8*	6.8*	29.3
-3.0	4 pt. outriggers down	11.8*	11.8*	18.1*	18.1*	20.7*	20.7*	16.3*	16.3*	13.3*	13.3*	11.0*	11.0*	9.1*	9.1*	7.3*	7.3*					6.5*	6.5*	28.1
-6.0	4 pt. outriggers down			18.5*	18.5*	18.7*	18.7*	15.0*	15.0*	12.2*	12.2*	9.9*	9.9*	7.9*	7.9*							6.5*	6.5*	25.9

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

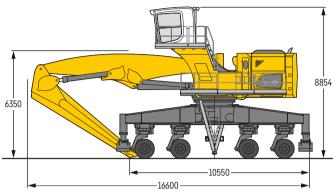
The lift capacities on the stick end without attachment are stated in metric tons (t) and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (±15°) are specified over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. 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.

LH 150 M - Equipment GG17

Port - Kinematic 2A



Dimensions



Operating weight

The operating weight includes the basic machine with 4 point outriggers, rigid cab elevation, 32 solid tyres, straight boom 10.00 m, straight stick 7.50 m and grab for loose material GMZ $120 / 8.00 \text{ m}^3$.

Weight	147.700 kg

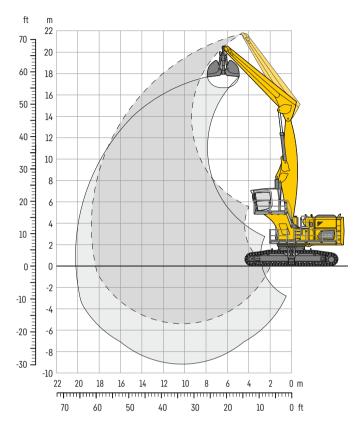
1/		6.0) m	9.0) m	12.	0 m	15.	0 m	18.0 m		21.0	m	24.0 r	n	27.0	m	30.0) m	31.5	m	-	~ ₽	ੜ
10			1		1	_	1						1		1	_	J.		J.		1		P	Ĭ
m	Undercarriage			-40		₽			۳	D	D-1	5			٢	-40				□=		-47	쁘	m
21.0	4 pt. outriggers down	35.9*	35.9*																			28.1*	28.1*	7.6
18.0	4 pt. outriggers down			32.8*	32.8*																	21.0*	21.0*	11.9
15.0	4 pt. outriggers down			32.0*	32.0*	27.1*	27.1*															18.6*	18.6*	14.5
12.0	4 pt. outriggers down				33.2*	27.5*	27.5*	23.7*	23.7*													17.6*	17.6*	16.0
9.0	4 pt. outriggers down	49.4*	49.4*	36.2*	36.2*	28.7*	28.7*	23.9*	23.9*													17.4*	17.4*	16.9
6.0	4 pt. outriggers down	60.2*	60.2*	39.7*	39.7*	30.1*	30.1*	24.1*	24.1*													17.9*	17.9*	17.3
3.0	4 pt. outriggers down	28.1*	28.1*	41.5*	41.5*	30.5*	30.5*	23.2*	23.2*													17.1*	17.1*	17.1
0	4 pt. outriggers down	28.9*	28.9*	38.3*	38.3*	27.9*	27.9*	19.2*	19.2*													18.1*	18.1*	15.3
-3.0	4 pt. outriggers down																							



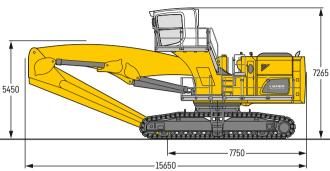
The lift capacities on the stick end without attachment are stated in metric tons (t) and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (±15°) are specified over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. 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.

LH 150 C - Equipment GG19

Port - Kinematic 2A



Dimensions



Operating weight and ground pressure

The operating weight includes the basic machine with rigid cab elevation, straight boom $10.00\,\mathrm{m}$, straight stick $9.00\,\mathrm{m}$ and grab for loose material GMZ $120/8.00\,\mathrm{m}^3$.

Weight	138,100 kg
Pad width	750 mm
Ground pressure	on request

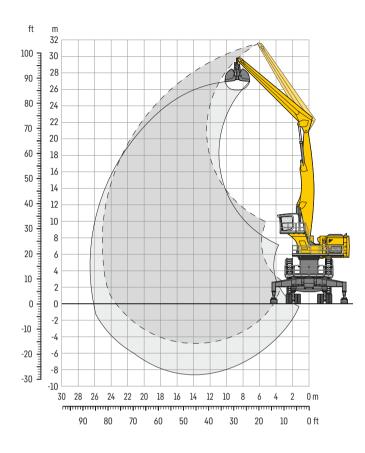
1/		6.0) m	9.0) m	12.0	0 m	15.	0 m	18.	0 m	21.0) m	24.0 m		27.0	m	30.0) m	31.5	m	-	7	₹
16		_	1		J.		1		1	_	J.		1	n	L		1		J.		1		ı.	_
m	Undercarriage			-40			ű			-5		□=			ב"	-47				-43) (h			m
21.0	SW	29.7*	29.7*																			26.3*	26.3*	6.7
18.0	SW			28.6*	28.6*																	18.4*	18.4*	11.9
15.0	SW					25.9*	25.9*															16.0*	16.0*	14.8
12.0	SW					25.7*	25.7*	22.9*	22.9*													15.0*	15.0*	16.7
9.0	SW			31.8*	31.8*	26.7*	26.7*	23.2*	23.2*													14.6*	14.6*	17.9
6.0	SW	38.6*	38.6*	35.5*	35.5*	28.4*	28.4*	23.8*	23.8*	19.3*	19.3*											14.7*	14.7*	18.5
3.0	SW	59.6*	59.6*	39.6*	39.6*	30.2*	30.2*	24.4*	24.4*	19.5*	19.5*											15.2*	15.2*	18.6
0	SW	35.5*	35.5*	41.8*	41.8*	30.9*	30.9*	24.0*	24.0*	17.0*	17.0*											16.0*	16.0*	18.3
-3.0	SW	31.8*	31.8*	39.4*	39.4*	28.8*	28.8*	20.9*	20.9*													17.2*	17.2*	16.3



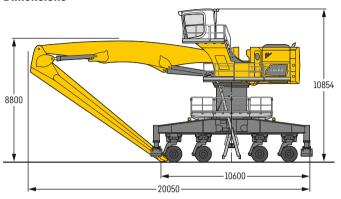
The lift capacities on the stick end without attachment are stated in metric tons (t) and can be slewed through 360° on a firm, level supporting surface. Capacities are valid for 750 mm wide flat pads. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature. This operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. 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.

LH 150 M High Rise – Equipment GG25

Port - Kinematic 2A



Dimensions



Operating weight

The operating weight includes the basic machine with 4 point outriggers, turret 2,000 mm, rigid cab elevation, 32 solid tyres, straight boom 13.50 m, straight stick 12.00 m and grab for loose material $GM7120/800\,m^3$

Weight	161.000 kg

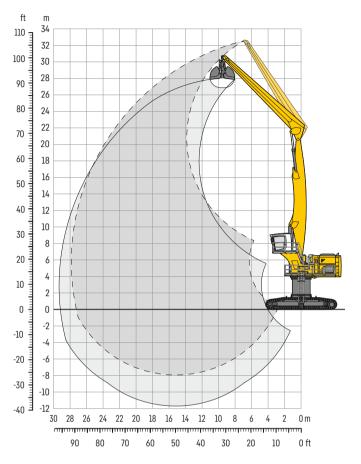
1/		6.0) m	9.0) m	12.0	0 m	15.0	0 m	18.	0 m	21.0	0 m	24.	0 m	27.0	m	30.0) m	31.5	im	=	~ @	_
16/		_	al.	, peesa,	al.	,,,,,,			n.		n l	,000	n.	,		_	n L	,	n.L		al.	,	, I	
m	Undercarriage	-40		-5		-47		-47		-47	밥	-47)		-47	반			-40		-40		-40	반	m
30.0	4 pt. outriggers down			21.1*	21.1*																	17.2*	17.2*	10.7
27.0	4 pt. outriggers down					20.5*	20.5*	15.1*	15.1*													13.5*	13.5*	15.5
24.0	4 pt. outriggers down							18.7*	18.7*	14.3*	14.3*											11.9*	11.9*	18.7
21.0	4 pt. outriggers down							18.5*	18.5*	16.2*	16.2*											11.0*	11.0*	21.0
18.0	4 pt. outriggers down					21.9*	21.9*	18.6*	18.6*	16.2*	16.2*	14.4*	14.4*									10.6*	10.6*	22.6
15.0	4 pt. outriggers down					22.6*	22.6*	19.0*	19.0*	16.4*	16.4*	14.4*	14.4*									10.4*	10.4*	23.8
12.0	4 pt. outriggers down			26.7*	26.7*	23.7*	23.7*	19.6*	19.6*	16.7*	16.7*	14.5*	14.5*	12.5*	12.5*							10.4*	10.4*	24.5
9.0	4 pt. outriggers down	45.0*	45.0*	33.1*	33.1*	25.1*	25.1*	20.3*	20.3*	17.1*	17.1*	14.6*	14.6*	12.3*	12.3*							10.6*	10.6*	24.9
6.0	4 pt. outriggers down	18.7*	18.7*	35.6*	35.6*	26.3*	26.3*	20.9*	20.9*	17.2*	17.2*	14.5*	14.5*	11.7*	11.7*							10.5*	10.5*	24.9
3.0	4 pt. outriggers down	11.9*	11.9*	36.2*	36.2*	26.7*	26.7*	20.9*	20.9*	17.0*	17.0*	13.9*	13.9*	10.3*	10.3*							9.3*	9.3*	24.5
0	4 pt. outriggers down	13.6*	13.6*	30.6*	30.6*	25.5*	25.5*	20.0*	20.0*	15.9*	15.9*	12.3*	12.3*									9.1*	9.1*	23.1
-3.0	4 pt. outriggers down			27.7*	27.7*	21.9*	21.9*	17.2*	17.2*	13.2*	13.2*											10.9*	10.9*	19.6
-6.0	4 pt. outriggers down																							



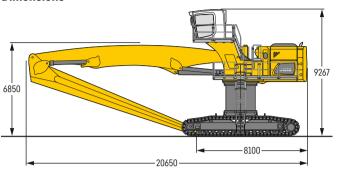
The lift capacities on the stick end without attachment are stated in metric tons (t) and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (±15°) are specified over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. 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.

LH 150 C High Rise – Equipment GG28

Port - Kinematic 2A



Dimensions



Operating weight and ground pressure

The operating weight includes the basic machine with turret 2,000 mm, rigid cab elevation, straight boom 15.00 m, straight stick 13.50 m and grab for loose material GMZ 120/8.00 m³.

Weight	149,100 kg
Pad width	750 mm
Ground pressure	on request

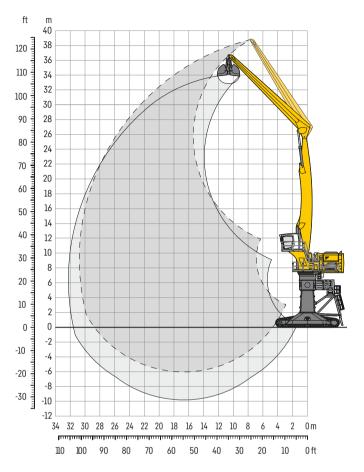
1/		6.0) m	9.0) m	12.	0 m	15.	0 m	18.	0 m	21.	0 m	24.	0 m	27.0	m	30.0) m	31.5	im	=	~ ₫	2
12/			1		_		1		1		1		1		3		1		J		1			ر ا
m	Undercarriage			-5)			100			-5)		-	Dia.		٣			- -			100	-47		m
30.0	SW					16.8*	16.8*															13.9*	13.9*	13.5
27.0	SW							16.6*	16.6*													11.5*	11.5*	17.9
24.0	SW							17.6*	17.6*	15.2*	15.2*											10.3*	10.3*	21.0
21.0	SW							17.4*	17.4*	15.0*	15.0*	13.3*	13.3*									9.6*	9.6*	23.3
18.0	SW							17.5*	17.5*	15.0*	15.0*	13.2*	13.2*	11.7*	11.7*							9.2*	9.2*	25.0
15.0	SW							17.8*	17.8*	15.2*	15.2*	13.2*	13.2*	11.7*	11.7*							9.0*	9.0*	26.3
12.0	SW					22.2*	22.2*	18.2*	18.2*	15.4*	15.4*	13.4*	13.4*	11.7*	11.7*	9.5*	9.5*					8.9*	8.9*	27.1
9.0	SW			26.1*	26.1*	23.2*	23.2*	18.8*	18.8*	15.7*	15.7*	13.5*	13.5*	11.7*	11.7*	9.9*	9.9*					9.0*	9.0*	27.7
6.0	SW			32.6*	32.6*	24.3*	24.3*	19.3*	19.3*	16.0*	16.0*	13.6*	13.6*	11.6*	11.6*	9.6*	9.6*					8.8*	8.8*	27.8
3.0	SW	9.3*	9.3*	34.0*	34.0*	24.9*	24.9*	19.6*	19.6*	16.1*	16.1*	13.5*	13.5*	11.3*	11.3*	8.9*	8.9*					8.0*	8.0*	27.7
0	SW	8.8*	8.8*	23.8*	23.8*	24.8*	24.8*	19.5*	19.5*	15.8*	15.8*	13.0*	13.0*	10.6*	10.6*	7.4*	7.4*					7.0*	7.0*	27.2
-3.0	SW	10.8*	10.8*	20.9*	20.9*	23.3*	23.3*	18.4*	18.4*	14.8*	14.8*	11.9*	11.9*	9.1*	9.1*							7.0*	7.0*	25.6
-6.0	SW			21.8*	21.8*	19.7*	19.7*	15.8*	15.8*	12.6*	12.6*	9.6*	9.6*									8.4*	8.4*	22.2



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 750 mm wide flat pads. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature. This operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. 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.

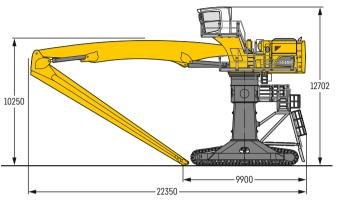
LH 150 C Gantry - Equipment GG31

Port - Kinematic 2A



Height Can be slewed through 360° In longitudinal position of undercarriage

Dimensions



Operating weight and ground pressure

The operating weight includes the basic machine with rigid cab elevation, straight boom 16.50 m, straight stick 15.00 m and grab for loose material GMZ 120 / 8.00 m³.

Weight	161,200 kg
Pad width	750 mm
Ground pressure	on request

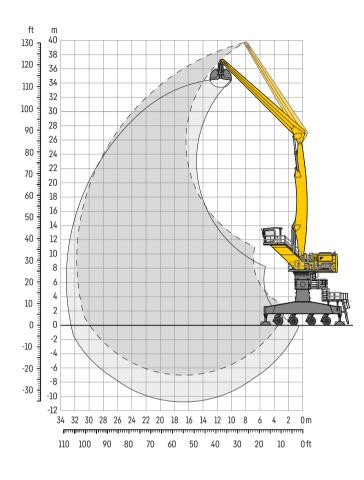
16		6.0	m	9.0) m	12.0	0 m	15.0	0 m	18.	0 m	21.0	0 m	24.	0 m	27.0	m	30.0	m	31.5	m		~ ₫	2
10			1		1		1		1		1		1		1		1		1		1			ر ا
m	Undercarriage		반	-₹	반		2			-5	반		발		٣	<u> </u>	밥							m
39.0	Gantry																							
36.0	Gantry					16.2*	16.2*															12.2*	12.2*	14.8
33.0	Gantry							15.8*	15.8*	12.6*	12.6*											10.2*	10.2*	19.3
30.0	Gantry							17.0*	17.0*	14.3*	14.3*	12.0*	12.0*									9.1*	9.1*	22.6
27.0	Gantry									14.2*	14.2*	12.2*	12.2*	10.7*	10.7*							8.5*	8.5*	25.0
24.0	Gantry									14.1*	14.1*	12.2*	12.2*	10.7*	10.7*							8.1*	8.1*	26.9
21.0	Gantry							16.9*	16.9*	14.2*	14.2*	12.2*	12.2*	10.6*	10.6*	9.3*	9.3*					7.9*	7.9*	28.4
18.0	Gantry							17.1*	17.1*	14.3*	14.3*	12.2*	12.2*	10.6*	10.6*	9.3*	9.3*					7.7*	7.7*	29.5
15.0	Gantry					20.9*	20.9*	17.4*	17.4*	14.5*	14.5*	12.3*	12.3*	10.7*	10.7*	9.3*	9.3*	7.8*	7.8*			7.7*	7.7*	30.2
12.0	Gantry			24.1*	24.1*	22.3*	22.3*	17.7*	17.7*	14.6*	14.6*	12.4*	12.4*	10.6*	10.6*	9.2*	9.2*	7.6*	7.6*			7.2*	7.2*	30.6
9.0	Gantry			31.1*	31.1*	22.9*	22.9*	18.0*	18.0*	14.7*	14.7*	12.4*	12.4*	10.6*	10.6*	9.0*	9.0*	7.3*	7.3*			6.7*	6.7*	30.8
6.0	Gantry			28.6*	28.6*	23.1*	23.1*	18.1*	18.1*	14.7*	14.7*	12.3*	12.3*	10.3*	10.3*	8.6*	8.6*	6.6*	6.6*			6.0*	6.0*	30.6
3.0	Gantry	6.5*	6.5*	16.5*	16.5*	22.6*	22.6*	17.7*	17.7*	14.4*	14.4*	11.9*	11.9*	9.9*	9.9*	8.0*	8.0*	5.3*	5.3*			5.2*	5.2*	30.1
0	Gantry	8.3*	8.3*	15.4*	15.4*	21.1*	21.1*	16.7*	16.7*	13.5*	13.5*	11.1*	11.1*	8.9*	8.9*	6.7*	6.7*					5.0*	5.0*	28.7
-3.0	Gantry			16.4*	16.4*	17.9*	17.9*	14.6*	14.6*	11.8*	11.8*	9.5*	9.5*	7.2*	7.2*							5.7*	5.7*	25.7
-6.0	Gantry																					9.2*	9.2*	17.5

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 750 mm wide flat pads. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature. This operating temperature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. 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.

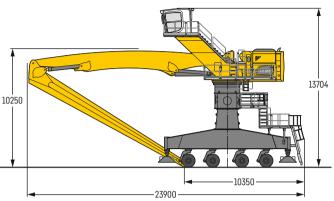
LH 150 M Gantry – Equipment GG32

Port - Kinematic 2A



Height □□ Can be slewed through 360° □ In longitudinal position of undercarriage

Dimensions



Operating weight

The operating weight includes the basic machine with 4 point outriggers, rigid cab elevation, 32 solid tyres, straight boom 16.50 m, straight stick 16.00 m and grab for loose material GMZ 120/

1/		6.0	m	9.0) m	12.0	0 m	15.0	0 m	18.	0 m	21.0	0 m	24.	0 m	27.0	m	30.0) m	31.5	m	-	~ <u>Q</u>	7
10				, peess,	n.	يسم	n L		n.	,000	n.	,000	n L	,,,,,,	al.	,004	L.	,000	n.	,,,,,,	n.L	,	.∏. Ì	
m	Undercarriage	-47		~₹ "	바			-47		<u>~₹</u> "	반					-5	밥	-₹)		<u>~₹</u>			쁩	m
39.0	4 pt. outriggers down																					14.7*	14.7*	10.4
36.0	4 pt. outriggers down							13.3*	13.3*													10.7*	10.7*	16.7
33.0	4 pt. outriggers down							15.5*	15.5*	13.2*	13.2*											9.2*	9.2*	20.8
30.0	4 pt. outriggers down									14.1*	14.1*	12.2*	12.2*									8.3*	8.3*	23.9
27.0	4 pt. outriggers down									14.0*	14.0*	12.1*	12.1*	10.6*	10.6*							7.8*	7.8*	26.2
24.0	4 pt. outriggers down									14.0*	14.0*	12.0*	12.0*	10.5*	10.5*	9.3*	9.3*					7.4*	7.4*	28.0
21.0	4 pt. outriggers down									14.0*	14.0*	12.1*	12.1*	10.5*	10.5*	9.3*	9.3*					7.2*	7.2*	29.4
18.0	4 pt. outriggers down							16.8*	16.8*	14.1*	14.1*	12.1*	12.1*	10.5*	10.5*	9.2*	9.2*	8.0*	8.0*			7.1*	7.1*	30.5
15.0	4 pt. outriggers down							17.2*	17.2*	14.3*	14.3*	12.2*	12.2*	10.6*	10.6*	9.2*	9.2*	7.9*	7.9*			7.1*	7.1*	31.2
12.0	4 pt. outriggers down			18.0*	18.0*	22.0*	22.0*	17.5*	17.5*	14.5*	14.5*	12.3*	12.3*	10.6*	10.6*	9.2*	9.2*	7.8*	7.8*	6.9*	6.9*	6.9*	6.9*	31.6
9.0	4 pt. outriggers down			30.7*	30.7*	22.6*	22.6*	17.8*	17.8*	14.6*	14.6*	12.3*	12.3*	10.5*	10.5*	9.0*	9.0*	7.6*	7.6*	6.6*	6.6*	6.4*	6.4*	31.7
6.0	4 pt. outriggers down			31.4*	31.4*	23.0*	23.0*	18.0*	18.0*	14.7*	14.7*	12.3*	12.3*	10.4*	10.4*	8.8*	8.8*	7.1*	7.1*	5.8*	5.8*	5.8*	5.8*	31.6
3.0	4 pt. outriggers down	7.0*	7.0*	18.9*	18.9*	22.7*	22.7*	17.8*	17.8*	14.4*	14.4*	12.0*	12.0*	10.0*	10.0*	8.3*	8.3*	6.2*	6.2*			5.0*	5.0*	31.1
0	4 pt. outriggers down	8.3*	8.3*	16.0*	16.0*	21.6*	21.6*	17.0*	17.0*	13.8*	13.8*	11.3*	11.3*	9.3*	9.3*	7.3*	7.3*					4.6*	4.6*	29.9
-3.0	4 pt. outriggers down			16.3*	16.3*	19.1*	19.1*	15.3*	15.3*	12.4*	12.4*	10.0*	10.0*	7.9*	7.9*	5.5*	5.5*					5.2*	5.2*	27.3
-6.0	4 pt. outriggers down					14.7*	14.7*	12.2*	12.2*	9.9*	9.9*	7.7*	7.7*									6.7*	6.7*	22.3
_																								

Max. reach * Limited by hydr. capacity The lift capacities on the stick end without attachment are stated in metric tons (t) and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (±15°) are specified over the rigid axle with the stabilizers down. Indicated loads based on the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity. The lift capacity values indicated are attained at the corresponding operating temperature. This operating temperature are attained at the corresponding operating temperature. ature is ensured by continuous movement of the boom. Weights of fitted attachments (grabs, load hooks, etc.) and load accommodation attachment are to be deducted from the lift capacity values. 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.

Liebherr ERC-System

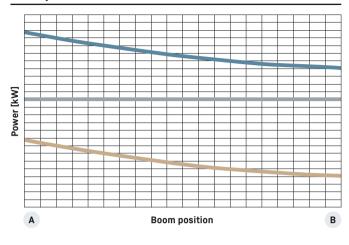
More performance, less consumption

Lowering the equipment stores energy in the ERC-System. This stored energy is then made available to the machine to provide additional engine power. When the equipment is raised the stored energy is released and is reflected in powerful, homogeneous operating cycles. The result is a clear energy saving – and, at the same time, even greater performance.

System performance

The energy recovery cylinder is a storage system which is independent of the electric motor or diesel engine. The system performance of material handling machines fitted with the ERC-System is composed of the installed engine power and the energy recovery cylinder. When the equipment is raised, energy from the ERC-System is supplied in addition to the power from the engine.

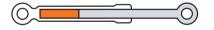
ERC-System



System performance
Engine power
ERC performance



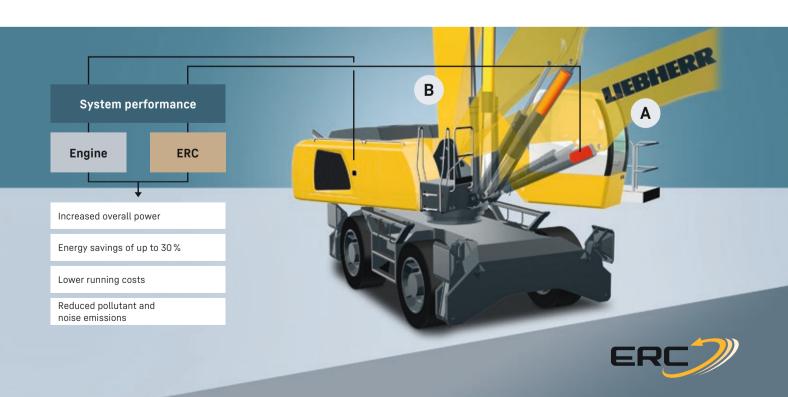
B 1. Equipment fitting raised / energy released



2. Lower equipment fitting/store energy4. Raise equipment fitting/release energy



Equipment fitting lowered/ energy stored



Attachments



Clamshell grab

Oldinonien grab													
Grab model GMZ 50 (She	ells for loose mater	ial)											
Shell width	mm	1,400	1,600	1,800									
Capacity1)	m³	3.50	4.00	4.50									
Weight ²⁾	kg	2,615	2,750	2,825									
Grab model GMZ 80 (Cla	mshell buckets)												
Shell width	mm	1,200	1,400	1,650	2,000								
Capacity ¹⁾	m ³	1.40	1.70	2.00	2.50								
Weight ^{2) 3)}	kg	2,170	2,275	2,415	2,595								
Grab model GMZ 80 (She	ells for loose mater	ial)											
Shell specification		Standar	d						Wide				
Shell width	mm	1,300	1,500	1,750	2,000	2,200	2,600	3,000	1,300	1,500	1,750	2,000	2,200
Capacity1)	m ³	3.00	3.50	4.00	4.50	5.00	6.00	7.00	2.00	2.30	2.70	3.00	3.40
Weight ²⁾	kg	2,510	2,625	2,775	2,920	3,255	3,490	3,720	2,310	2,400	2,535	2,670	2,895
Grab model GMZ 120 (C)	amshell buckets)												
Shell width	mm	2,000											
Capacity ¹⁾	m ³	3.20											
Weight ^{2) 3)}		3,210											
Grab model GMZ 120 (SI	hells for loose mate	erial)											
Shell width	mm	1,600	1,800	2,000	2,200	2,400	2,800	3,200					
Capacity ¹⁾	m ³	4.00	4.50	5.00	5.50	6.00	7.00	8.00					
Weight ²⁾		3,005	3,140	3,280	3,630	3,775	4,040	4,330					
Grab model GMZ 120 (SI	hells for light mater	rial)											
Shell width	mm	2,400	2,800										
Capacity ¹⁾	m ³	10.00	12.00										
Weight ²⁾	kg	4,315	4,625										
Grab model GMZ 180 (C													
Shell width	mm	1,500											
Capacity ¹⁾	m ³	2.00											
Weight ⁴⁾	kg	7,320											
Grab model GMZ 180B (Special shells)												
Shell width	mm	2,000											
Capacity ¹⁾	m ³	3.00											
Weight ²⁾	kg												
Grab model GMZ 180B (
Shell width	mm												
Capacity ¹⁾	m ³	16.00											
Weight ²⁾	kg	8,420											



Multi-tine grab	open semi-closed					closed, heart-shaped							
Grab model GMM 80-4 (4 tines)													
Capacity	m^3	1.10	1.40	1.70		1.00	1.40	1.70		1.40	1.70		
Weight ²⁾	kg	1,900	1,940	2,000		2,095	2,150	2,210		2,405	2,560		
Grab model GMM 80-5 (5 tines)													
Capacity	m³	1.10	1.40	1.70		0.90	1.10	1.40	1.70	0.90	1.10	1.40	1.70
Weight ²⁾	kg	2,170	2,220	2,290		2,265	2,390	2,465	2,535	2,375	2,440	2,580	2,730
Grab model GMM 120-4 (4 tines)													
Capacity	m^3	1.70	2.00	2.50	3.00	1.70	2.00	2.50	3.00				
Weight ²⁾	kg	2,155	2,200	2,255	2,305	2,390	2,445	2,535	2,625				
Grab model GMM 120-5 (5 tines)													
Capacity	m³	1.70	2.00	2.50	3.00	1.70	2.00	2.50	3.00	1.70	2.00	2.50	3.00
Weight ²⁾	kg	2,485	2,540	2,610	2,670	2,760	2,830	2,935	3,050	2,970	3,110	3,265	3,670

 ¹⁾ capacity specifications are theoretically determined values; fill level varies depending on the material being loaded
 2) weight with XHD suspension
 3) weight incl. teeth
 4) weight with special suspension

Attachments



Wood grab

TTOOU GIUD									
Grab model GMH 50 (Tong rou	nd overlappir	ıg)							
Size	m ²	2.20	2.50	2.50	2.80	3.20	3.60		
Cutting width	mm	990	860	990	990	990	990		
Height of grab, closed	mm	2,323	2,416	2,416	2,521	2,649	2,814		
Weight ¹⁾	kg	2,075	2,030	2,115	2,190	2,240	2,290		
Grab model GMH 50 (Tong cor	nbi-shaped, ti	p-to-tip clos	sing)						
Size	m ²	2.50	3.20	3.20	3.60	3.60	$3.80^{2)}$	$3.80^{2)}$	3.80
Cutting width	mm	860	860	990	860	990	860	990	990
Height of grab, closed	mm	2,529	2,766	2,766	2,877	2,877	2,924	2,924	2,972
Weight ¹⁾	kg	2,195	2,315	2,405	2,375	2,470	2,375	2,480	2,455
Grab model GMH 50 (Tong hea			ng, straight des	ign)					
Size	m ²	2.00	2.00	2.203)	2.20	2.50	2.80	3.20	3.60
Cutting width	mm	860	990	860	990	990	990	990	860
Height of grab, closed	mm	2,518	2,518	2,606	2,606	2,737	2,852	2,986	3,108
Weight ¹⁾	kg	2,030	2,110	2,150	2,155	2,235	2,285	2,345	2,325
Grab model GMH 80 (Tong rou	nd overlappir	ig)							
Size	m ²	1.30	1.60	1.90	2.20	2.50			
Cutting width	mm	860	860	860	860	860			
Height of grab, closed	mm	2,805	2,905	2,983	3,065	3,142			
Weight ¹⁾	kg	2,115	2,160	2,200	2,230	2,270			
Grab model GMH 100 (Tong co	mbi-shaped,	tip-to-tip clo	osing)						
Size	m ²	3.40	3.70	4.00					
Cutting width	mm	1,100	1,100	1,100					
Height of grab, closed	mm	2,995	3,120	3,250					
Weight ¹⁾	kg	2,630	2,710	2,750					
Grab model GMH 100 (Tong he	eart-shaped, t	ip-to-tip clo	sing, straight de	esign)					
Size	m ²	3.70							
Cutting width	mm	850							
Height of grab, closed	mm	3,350							
Weight ¹⁾	kg	2,495							
Grab model GMH 120 (Tong ro	und overlapp	ing)							
Size	m ²	2.80	3.20	3.60					
Cutting width	mm	870	870	870					
Height of grab, closed	mm	3,574	3,673	3,754					
Weight ¹⁾	kg	2,725	2,750	2,790					
Grab model GMH 120 (Tong st	raight design	, overlapping	g, two over one	grab)					
Size	m ²	1.40							
Cutting width	mm	870							
Height of grab, closed	mm	2,947							
Weight ¹⁾	kg	2,550							



Load hook

Max. load		25
Weight	kg	255



Magnet devices / lifting magnets

Generator	kW	30
Electromagnet with suspension		
Power	kW	22
Diameter of magnet	mm	1,900
Weight	kg	5,0904)

¹⁾ weight with XHD suspension ²⁾ tongs especially for truck unloading ³⁾ closed back sheet

⁴⁾ only magnet plate

Equipment

∞	150 M	150 C	150 M HR	150 C HR	150 M Gantry	150 C Gantry	
8 steering axles, 2 powered and braked	•		•		•		
Support plates, variants	+		+		+		
Axle load monitoring	•		•		•		
Track pads, variants		+		+		+	
Individual control outriggers	•		•		•		
Three-piece chain guide		•		•		•	
Outrigger monitoring system	•		•		•		
Tyres, variants	+		+		+		
Warning beacons	•		•		•		
Headlights on undercarriage, LED, 2 pieces	•		•		•		

Uppercarriage	150 M	150 C	150 M HR	150 C HR	150 M Gantry	150 C Gantry	
Tank refilling pump fuel	+	+	+	+	+	+	
Generator	+	+	+	+	+	+	
Main battery switch for electrical system	•	•	•	•	•	•	
Engine hood, hydraulic operable	•	•	•	•	•	•	
Walk-in engine bay	•	•	•	•	•	•	
Amber beacon, at uppercarriage, LED double flash	+	+	+	+	+	+	
Side hood on the right, hydraulic operable	•	•	•	•	•	•	
Tool equipment, extended	•	•	•	•	•	•	

Hydraulic system	150 M	150 C	150 M HR	150 C HR	150 M Gantry	150 C Gantry
Shut-off valve between hydraulic tank and pump(s)	•	•	•	•	•	•
Pressure test fittings	•	•	•	•	•	•
Accumulator for controlled lowering of the equipment with the engine shut down	•	•	•	•	•	•
Electronic pump regulation	•	•	•	•	•	•
Hydraulic oil filter with integrated microfilter	•	•	•	•	•	•
Liebherr hydraulic oil from – 20 °C to + 40 °C	•	•	•	•	•	•
Liebherr hydraulic oil, biologically degradable	+	+	+	+	+	+
Liebherr hydraulic oil, specially for warm or cold regions	+	+	+	+	+	+
Magnetic rod in hydraulic tank	•	•	•	•	•	•
Bypass filter	+	+	+	+	+	+
Preheating hydraulic oil	+	+	+	+	+	+

Engine	150 M	150 C	150 M HR	150 C HR	150 M Gantry	150 C Gantry
Air pre-filter with dust discharge	+	+	+	+	+	+
Preheating fuel	+	+	+	+	+	+
Preheating coolant	+	+	+	+	+	+
Preheating engine oil*	+	+	+	+	+	+

≈ Cooling system	150 M	150 C	150 M HR	ပ	150 M Gantry	150 C Gantry	
Reversible fan drive	+	+	+	+	+	+	

Equipment

7 Ⅲ	Σ	၁	150 M HR	150 C HR	150 M Gantry	150 C Gantry
Cab	150 M	120	150	120	150	150
Armrest adjustable	•	•	•	•	•	•
Circular bubble level	•	•	•	•	•	•
Slewing gear brake Comfort, button on the left or right joystick	+	+	+	+	+	+
Driver profile, personalised (max. 5 drivers)	+	+	+	+	+	+
Operator's seat Comfort	•	•	•	•	•	•
Operator's seat Premium	+	+	+	+	+	+
Driving alarm (acoustic signal is emitted during travel, can not						
be switched ON / OFF)	+	+	+	+	+	+
Fire extinguisher	•	•	•	•	•	•
Cab elevation, hydraulic with double parallelogram (LHC-D)	+	+	+	+	+	+
Cab elevation, rigid (LFC)	•	•	•	•	•	•
Automatic air conditioning	•	•	•	•	•	•
Proportional control	•	•	•	•	•	•
Radio Comfort, control via display with handsfree set	+	+	+	+	+	+
Preparation for radio installation	•	•	•	•	•	•
Amber beacon, on cab, LED double flash	+	+	+	+	+	+
Windows made from impact-resistant laminated safety glass						
(front, roof and bottom window)	•	•	•	•	•	•
Windscreen wiper, roof	+	+	+	+	+	+
Windshield wiper, entire windscreen	•	•	•	•	•	•
Headlights on cab, rear, LED, 2 pieces	•	•	•	•	•	•
Headlights on cab, front, LED, 2 pieces (under rain shield)	•	•	•	•	•	•
FOPS top guard	+	+	+	+	+	+
FGPS front guard	+	+	+	+	+	+
Auxiliary heater programmable	•	•	•	•	•	•

Equipment	150 M	150 C	150 M HR	150 C HR	150 M Gantry	150 C Gantry
Boom shutoff (retract / extend), electronically	•	•	•	•	•	•
Equipment with electro-hydraulic end position control	•	•	•	•	•	•
AutoLift	+	+	+	+	+	+
Pressure warning mechanism hoist cylinder	•	•	•	•	•	•
ERC system	•	•	•	•	•	•
Boom cylinder cushioning	•	•	•	•	•	•
Stick camera (with separate monitor), bottom side, with protection	+	+	+	+	+	+
Load torque limitation	+	+	+	+	+	+
Pipe fracture safety valves hoist cylinders	•	•	•	•	•	•
Pipe fracture safety valves stick cylinders	•	•	•	•	•	•
Headlights on boom, LED, 2 pieces	•	•	•	•	•	•
Headlights on stick, LED, 4 pieces	•	•	•	•	•	•
Quick coupling system MH 110B	+	+	+	+	+	+
Protection for piston rod, energy recovering cylinder	+	+	+	+	+	+
Protection for piston rods, hoist cylinder	+	+	+	+	+	+
Stick shutoff (retract), electronically	•	•	•	•	•	•
Stick shutoff (retract / extend), electronically	+	+	+	+	+	+
Retract stick without pressure	•	•	•	•	•	•
Sticks with quick coupling	+	+	+	+	+	+
Overload warning device	+	+	+	+	+	+

Complete machine	150 M	150 C	150 M HR	150 C HR	150 M Gantry	150 C Gantry
Liebherr Connect						
MyLiebherr Maintenance	+	+	+	+	+	+
MyLiebherr Performance	+	+	+	+	+	+
MyLiebherr Portal ¹⁾	•	•	•	•	•	•
Lubrication						
Central lubrication system for uppercarriage and equipment, automatically	•	•	•	•	•	•
Central lubrication system for undercarriage, automatically	•		•		•	
Special coating						
Special coating, variants	+	+	+	+	+	+
Monitoring						
Rear view monitoring with camera	•	•	•	•	•	•
Side view monitoring with camera	•	•	•	•	•	•

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

Liebherr-Hydraulikbagger GmbH

 $[\]bullet$ = Standard, + = Option

¹⁾ free activation required