Machine for Industrial Applications







Technical Data



Rating per ISO 9249 180 kW (244 HP) at 1,700 RPM Model Liebherr D936 according to stage IIIB/Tier 4i Type 6 cylinder in-line Bore/Stroke 122/150 mm Displacement 10.5 I Engine operation 4-stroke diesel Common-Rail turbo-charged and after-cooled reduced emissions in accordance with 97/68/EG stage IIIB Emission control Liebherr particle filter Cooling water-cooled with integrated motor oil cooler Air cleaner dry-type air cleaner with pre-cleaner, primary and safety elements Fuel tank 750 I Engine idling sensor controlled Electrical system Voltage Voltage 24 V Batteries 2 x 170 Ah/12 V Alternator three phase current 28 V/100 A		
reduced emissions Harmful emissions values in accordance with 97/68/EG stage IIIB Emission control Liebherr particle filter Cooling water-cooled with integrated motor oil cooler Air cleaner dry-type air cleaner with pre-cleaner, primary and safety elements Fuel tank 750 I Engine idling sensor controlled Electrical system 24 V Batteries 2 x 170 Ah/12 V	Model Type Bore/Stroke Displacement	Liebherr D936 according to stage IIIB/Tier 4i 6 cylinder in-line 122/150 mm 10.5 l 4-stroke diesel Common-Rail
Emission control Liebherr particle filter Cooling		reduced emissions
Cooling		
Air cleaner dry-type air cleaner with pre-cleaner, primary and safety elements Fuel tank 750 I Engine idling sensor controlled Electrical system Voltage 24 V Batteries 2 x 170 Ah/12 V		
safety elements Fuel tank 750 I Engine idling sensor controlled Electrical system Voltage 24 V Batteries 2 x 170 Ah/12 V		
Engine idlingsensor controlled Electrical system Voltage24 V Batteries2 x 170 Ah/12 V	Air cleaner	
Electrical system Voltage 24 V Batteries 2 x 170 Ah/12 V	Fuel tank	750 l
Voltage 24 V Batteries 2 x 170 Ah/12 V	Engine idling	sensor controlled
Batteries 2 x 170 Ah/12 V	Electrical system	
	Voltage	24 V
Alternator three phase current 28 V/100 A	Batteries	2 x 170 Ah/12 V
	Alternator	three phase current 28 V/100 A

H		
0	Hydraulic	System
	-	-

Hydraulic pump	
for attachment	ture l'alche annuariable flaur, annachealata annaca
and travel drive	two Liebherr variable flow, swashplate pumps
	(double construction)
Max. flow	
Max. pressure	350 bar
Hydraulic pump	
regulation and control	electro-hydraulic with electronic engine speed
	sensing regulation, pressure compensation, flow
	compensation, automatic oil flow optimizer
Hydraulic pump	
for swing drive	reversible, variable flow, swashplate pump, closed-
	loop circuit
Max. flow	
Max. pressure	380 bar
Hydraulic tank	290 I
Hydraulic system	890 I
Hydraulic oil filter	2 main return filters with integrated partial micro
	filtration (5 µm)
Hydraulic oil cooler	Tiltration (5 μm) — compact cooling system consisting cooling unit for
	water, hydraulic oil and charge air with stepless
	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)	
- ()	movements
E (ECO)	for especially economical and environmentally friendly
= (===)	operation
P (Power)	for maximum digging power and heavy duty jobs
Tool Control (Option)	
	on tools



	safety valves
Servo circuit	
Attachment and swing	with hydraulic pilot control and proportional joystick
	levers
Travel	electroproportional via foot pedal
Additional functions	via switch or electroproportional foot pedals
Option	proportional control, proportionally acting transmitters
	on the joysticks for additional hydraulic functions

Swing Di	rive
Drive	Liebherr swashplate motor in a closed system with integrated brake valve
Transmission	Liebherr planetary reduction gear
Swing ring	Liebherr, sealed single race ball bearing swing ring, internal teeth
Swing speed	0 – 4.5 RPM stepless
Swing torque	_ 122 kNm
Brake Option	 holding brake (spring applied – pressure released) pedal controlled positioning swing brake



Uppercarriage

Туре_____

slewing platform made from high-strength steel plate, designed for the toughest requirements

Operator's Cab

Cab	_ safety cab structure with integrated bullet proof front screen and roof window, work headlights integrated in the ceiling, a door with a side window (can be opened on both sides), large stowing and depositing possibilities, shock-absorbing suspension, sound- damping insulating, tinted laminated safety glass, separate shades for the sunroof window and wind-
Operator's seat Standard	screen 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
Operator's seat Comfort (Option) _	in addition to operator's seat standard: lockable hori- zontal suspension, automatic weight adjustment, adjustable suspension 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 elec- tronic 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
Noise emission	
ISO 6396	$_{\rm L_{pA}}$ (inside cab) = 71 dB(A)
2000/14/EC	$_{\rm L}$ $\dot{\rm L}_{\rm WA}$ (surround noise) = 105 dB(A)

Undercarriage

	-
Туре	_ torsion-resistant box design made from high-strength steel plate, designed for the toughest requirements
Drive	valve
Travel speed	_ 0 – 9 km/h stepless
	 automotive driving using accelerator pedal, cruise control function: storage of variable accelerator pedal positions
Axles	90 t drive axles; manual or automatic hydraulically controlled front axle oscillation lock
Service brake	two circuit travel brake system with accumulator; maintenance-free, wet and backlash-free disc brake
Holding brake Stabilization	wet, maintenance-free multi disc brakes 4 point outriggers



Туре	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.
	Shock absorption
Energy recovering cylinder	Liebherr gas cylinder with special sealing and control
	system
Bearings	_ sealed, low maintenance
-	

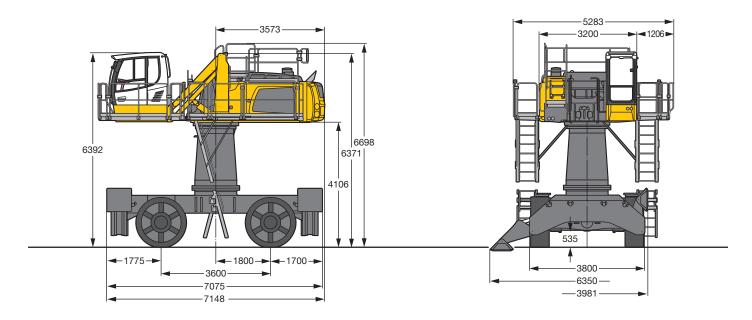
 Complete Machine

 Lubrication
 central lubrication system for uppercarriage and attachment, automatically

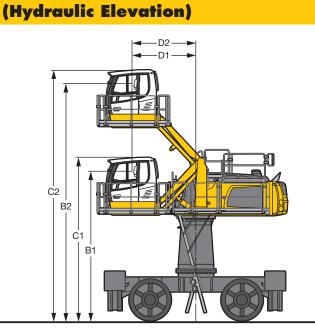
 Option
 central lubrication system for undercarriage, automatically

 Steps system
 undercarriage ascent via ladders uppercarriage with platform left and right and crossover possibility parts hot-dip galvanised, nonskid surface

Dimensions



Choice of Cab Elevation



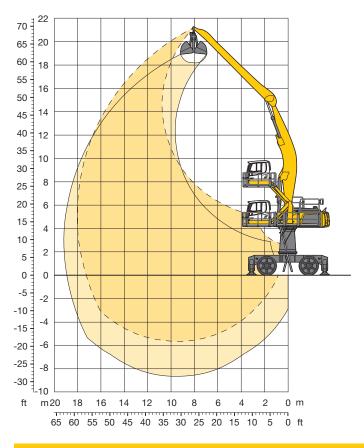
Cab Elevation LHC

Inc	rease Type	LHC 340-35
B1		5,849 mm
B2		9,264 mm
C1		6,392 mm
C2		9,806 mm
D1		2,484 mm
D2		2,485 mm

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

Tires 23.5 x 25

Attachment AG18 (Kinematic 2D)



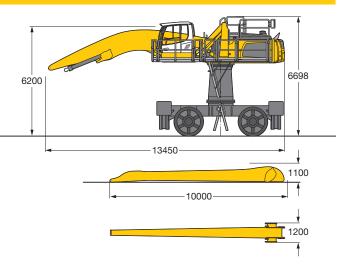
Operating Weight

The operating weight includes basic machine with 4 point outriggers, turret 2.00 m, hydr. cab elevation, 4 solid tires, industrial-type angled mono boom 9.50 m and industrial-type straight stick 9.50 m.

with clamshell model GM 20B/1.30 m³ shells for loose material

69,700 kg

Dimensions



Industrial Stick 9.50 m

		3.0	.0 m 4.5 ı		5 m 6.0 m		7.5	7.5 m 9.0) m	10.	5 m	12.	0 m	13.	5 m	15.	0 m	16.	5 m	18.0 m		19.5 m		~			
m	Undercarriage	5	Ľ	5	Ľ	5	Ŀ	5	Ľ	5	Ľ	5	Ľ	5	Ľ	5	Ľ	5	Ľ	5	Ľ	5	Ľ	5	Ľ	5	Ŀ	m
2.5	4 pt. outriggers down																											
1.0	4 pt. outriggers down																									6.5*	6.5*	8.4
9.5	4 pt. outriggers down											6.1*	6.1*													5.6*	5.6*	10.8
8.0	4 pt. outriggers down											7.5*	7.5*	6.0*	6.0*											5.1*	5.1*	12.6
6.5	4 pt. outriggers down													7.2*	7.2*	5.6*	5.6*									4.8*	4.8*	13.9
5.0	4 pt. outriggers down													7.1*	7.1*	6.7*	6.7*	4.8*	4.8*							4.6*	4.6*	15.1
3.5	4 pt. outriggers down													7.1*	7.1*	6.7*	6.7*	6.1*	6.1*							4.5*	4.5*	15.9
2.0	4 pt. outriggers down											7.6*	7.6*	7.1*	7.1*	6.7*	6.7*	6.4*	6.4*	4.8*	4.8*					4.5*	4.5*	16.7
0.5	4 pt. outriggers down											7.9*	7.9*	7.3*	7.3*	6.8*	6.8*	6.5*	6.5*	5.9*	5.9*					4.5*	4.5*	17.2
9.0	4 pt. outriggers down									9.1*	9.1*	8.2*	8.2*	7.6*	7.6*	7.0*	7.0*	6.6*	6.6*	6.2*	6.2*					4.5*	4.5*	17.6
7.5	4 pt. outriggers down									9.7*	9.7*	8.7*	8.7*	7.9*	7.9*	7.2*	7.2*	6.7*	6.7*	6.3*	6.3*					4.6*	4.6*	17.9
6.0	4 pt. outriggers down					14.5*	14.5*	12.1*	12.1*	10.4*	10.4*	9.2*	9.2*	8.2*	8.2*	7.5*	7.5*	6.9*	6.9*	6.3*	6.3*	4.7*	4.7*			4.7*	4.7*	18.0
4.5	4 pt. outriggers down	33.6*	33.6*	21.9*	21.9*	16.4*	16.4*	13.2*	13.2*	11.1*	11.1*	9.7*	9.7*	8.6*	8.6*	7.7*	7.7*	7.0*	7.0*	6.4*	6.4*	4.9*	4.9*			4.8*	4.8*	18.0
3.0	4 pt. outriggers down	6.2*	6.2*	20.4*	20.4*	18.0*	18.0*	14.2*	14.2*	11.8*	11.8*	10.1*	10.1*	8.9*	8.9*	7.9*	7.9*	7.2*	7.2*	6.5*	6.5*					5.1*	5.1*	17.9
1.5	4 pt. outriggers down	5.3*	5.3*	11.0*	11.0*	19.2*	19.2*	15.0*	15.0*	12.4*	12.4*	10.5*	10.5*	9.1*	9.1*	8.1*	8.1*	7.2*	7.2*	6.4*	6.4*					5.3*	5.3*	17.7
0	4 pt. outriggers down	5.8*	5.8*	9.5*	9.5*	18.2*	18.2*	15.5*	15.5*	12.7*	12.7*	10.7*	10.7*	9.3*	9.3*	8.1*	8.1*	7.2*	7.2*	6.2*	6.2*					5.7*	5.7*	17.3
1.5	4 pt. outriggers down	6.5*	6.5*	9.5*	9.5*	15.7*	15.7*	15.5*	15.5*	12.7*	12.7*	10.8*	10.8*	9.2*	9.2*	8.0*	8.0*	6.9*	6.9*	5.8*	5.8*					5.5*	5.5*	16.8
3.0	4 pt. outriggers down	7.4*	7.4*	10.0*	10.0*			15.0*				10.4*	_	8.9*	8.9*	7.6*	7.6*	6.4*	6.4*							5.3*	5.3*	16.1
4.5	4 pt. outriggers down					15.4*			13.8*			9.7*	9.7*	8.1*	8.1*	6.8*	6.8*									6.1*	6.1*	14.2

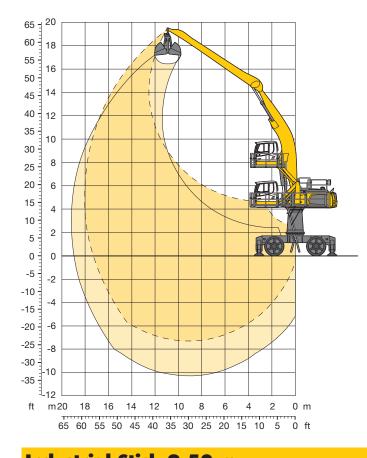
¹/³ Height ⊶ Can be slewed through 360°

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 steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads comply with 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 working tools (grabs, load hooks, etc.) and load accommodation equipment 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.

Attachment AG18 (Kinematic 2C)



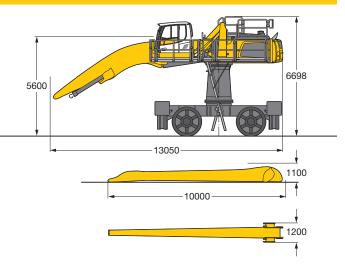
Operating Weight

The operating weight includes basic machine with 4 point outriggers, turret 2.00 m, hydr. cab elevation, 4 solid tires, industrial-type angled mono boom 9.50 m and industrial-type straight stick 9.50 m.

69,700 kg

with clamshell model GM 20B/1.30 m³ shells for loose material

Dimensions



Industrial Stick 9.50 m 3.0 m 4.5 m 10.5 m 12.0 m 15.0 m 16.5 m 18.0 m 19.5 m 6.0 m 7.5 m 9.0 m 13.5 m 1/2 ph ph ph Ь -5 -5 -5 -50 -5 -50 -50 Undercarriage -50 -50 m 22.5 4 pt. outrigaers down 21.0 4 pt. outriggers down 19.5 4 pt. outriggers down 18.0 4 pt. outriggers down 6.0* 6.0 5.1* 5.1* 12.6 16.5 4 pt. outriggers down 5.6* 5.6* 4.8* 4.8* 13.9 15.0 4 pt. outriggers down 6.1* 6.1 4.8* 4.8 4.6' 4.6* 15.1 13.5 4 pt. outriggers down 6.0* 6.0* 5.9* 5.9* 4.5* 4.5* 15.9 12.0 4 pt. outriggers down 6.1* 6.1 5.9* 5.9 4.8* 4.8 4.5* 4.5* 16.7 10.5 4 pt. outriggers down 6.6* 6.6' 6.2* 6.2* 5.9* 5.9* 5 7* 57 4.5* 4.5* 17.2 9.0 4 pt. outriggers down 6.8 6.8 6.4* 6.4 6.1* 6.1 5.8 5.8 4.5* 4.5* 17.6 4 pt. outriggers down 7.5 7.8* 7.8 7.2* 7.2' 6.7* 6.7* 6.3* 6.3* 5.9* 5.9' 4.6* 4.6* 17.9 6.0 4 pt. outriggers down 9.4* 8.4* 7.6* 6.9* 6.5* 4.7* 4.7 4.7* 9.4 8.4 7.6 6.9* 6.5* 6.0* 6.0 4.7* 18.0 4.5 4 pt. outriggers down 30.5* 30.5* 19.9* 19.9* 14.9* 14.9* 12.1* 12.1* 10.2* 10.2* 8.9* 8.9* 8.0* 8.0* 7.2* 7.2* 6.7* 6.7* 6.2* 6.2 4.9* 4.9 4 8* 4.8* 18.0 3.0 4 pt. outriggers down 6.2* 6.2 20.4* 20.4* 16.8* 16.8* 13.3* 13.3* 9.5* 11.0* 11.0 9.5 8.4* 8.4* 7.5* 7.5* 6.9* 6.3* 5.1* 5.1* 17.9 6.9* 6.3 1.5 5.3* 5.3' 11.0* 11.0* 18.3* 18.3* 14.3* 14.3* 11.7* 7.8* 7.0* 6.3* 6.3 5.3* 5.3* 4 pt. outriggers down 11.7 10.0* 10.0 8.7* 8.7 7.8 7.0* 17.7 5.7* 0 4 pt. outriggers down 5.8* 5.8' 9.5* 9.5* 18.2* 18.2* 15.0* 15.0* 12.3* 12.3 10.4* 10.4* 9.0* 9.0 7.9* 7.9* 7.1* 7.1 6.3* 6.3 5.7* **17.3** 5.8* - 1.5 5.8* **16.8** 4 pt. outriggers down 6.5* 6.5* 9.5* 9.5* 15.7* 15.7* 15.3* 15.3* 12.5* 12.5 10.6* 10.6* 9.1* 9.1* 8.0* 8.0* 7.0* 7.0* 6.0* 6.0 4 pt. outriggers down 10.0* 10.0* 15.1* 15.1* 10.5* 5.7* - 3.0 7.4* 7.4* 15.1* 15.1* 12.4* 12.4* 10.5* 9.0* 9.0* 7.7* 5.7* 16.1 7.7* 6.6* 6.6* 14.3* 14.3* 11.9* 11.9* 5.4* 5.4* -4.5 4 pt. outriggers down 8.2* 8.2 10.7* 10.7* 15.4* 15.4* 10.0* 10.0* 8.5* 8.5* 7.1* 7.1' 5.7* 5.7 15.2 - 6.0 12.7* 12.7* 10.6* 10.6* 4 pt. outriggers down 11.5* 11.5* 15.4* 15.4* 8.9* 8.9* 7.4* 7.4* 5.8* 5.8* 5.3* 5.3* 14.0

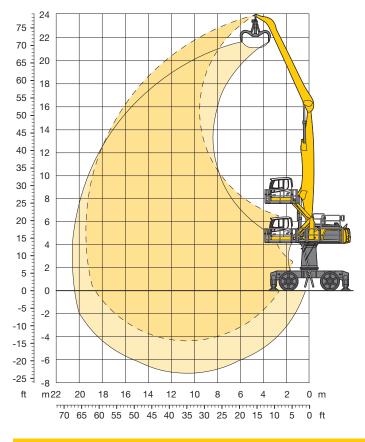
1/4 Height Can be slewed through 360°

ln 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 steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads comply with 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 working tools (grabs, load hooks, etc.) and load accommodation equipment 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.

Attachment GA20 (Kinematic 2A)

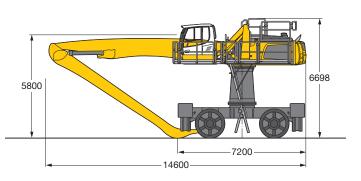


Operating Weight

The operating weight includes basic machine with 4 point outriggers, turret 2.00 m, hydr. cab elevation, 4 solid tires, industrial-type straight mono boom 10.50 m and industrial-type angled stick 9.50 m.

with grapple model GM 70C/1.10 m³ semi-closed tines 70,050 kg

Dimensions



Industrial Stick 9.50 m

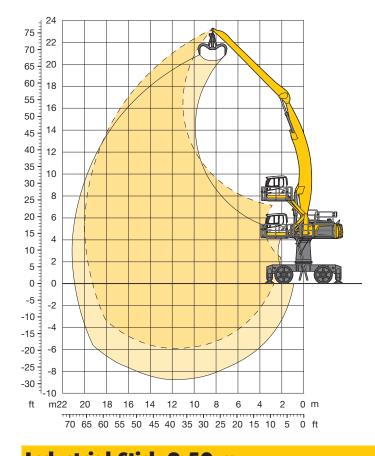
		3.0) m	4.5	m	6.0	m	7.5	m	9.0) m	10.	5 m 12.0 m 13.5 m				5 m	15.	0 m	16.	5 m	18.	0 m	m 19.5 m				
m	Undercarriage	5	Ľ	5	Ľ	5	Ľ		Ľ		Ľ		Ľ		Ľ		Ľ		Ľ		Ŀ		Ŀ		Ľ		Ŀ	m
2.5	4 pt. outriggers down							8.7*	8.7*																	7.4*	7.4*	8.
1.0	4 pt. outriggers down									8.6*	8.6*	7.1*	7.1*													6.2*	6.2*	11.
9.5	4 pt. outriggers down									9.3*	9.3*	8.4*	8.4*	7.0*	7.0*											5.6*	5.6*	13.
B.O	4 pt. outriggers down											8.9*	8.9*	8.1*	8.1*	6.7*	6.7*									5.2*	5.2*	14.
6.5	4 pt. outriggers down											8.8*	8.8*	8.0*	8.0*	7.4*	7.4*	6.2*	6.2*							4.9*	4.9*	15.
5.0	4 pt. outriggers down											8.8*	8.8*	8.0*	8.0*	7.4*	7.4*	6.8*	6.8*	5.2*	5.2*					4.7*	4.7*	16.
3.5	4 pt. outriggers down											8.9*	8.9*	8.0*	8.0*	7.4*	7.4*	6.8*	6.8*	6.3*	6.3*					4.6*	4.6*	17.
2.0	4 pt. outriggers down									10.1*	10.1*	9.0*	9.0*	8.1*	8.1*	7.4*	7.4*	6.8*	6.8*	6.3*	6.3*	4.9*	4.9*			4.5*	4.5*	18.
0.5	4 pt. outriggers down									10.4*	10.4*	9.2*	9.2*	8.3*	8.3*	7.5*	7.5*	6.9*	6.9*	6.3*	6.3*	5.8*	5.8*			4.5*	4.5*	18.
9.0	4 pt. outriggers down							10.8*	10.8*	10.8*	10.8*	9.5*	9.5*	8.5*	8.5*	7.6*	7.6*	7.0*	7.0*	6.4*	6.4*	5.8*	5.8*			4.5*	4.5*	19.
7.5	4 pt. outriggers down					11.2*	11.2*	13.2*	13.2*	11.2*	11.2*	9.8*	9.8*	8.7*	8.7*	7.8*	7.8*	7.0*	7.0*	6.4*	6.4*	5.8*	5.8*			4.5*	4.5*	19.3
6.0	4 pt. outriggers down	15.3*	15.3*	18.8*	18.8*	17.4*	17.4*	14.0*	14.0*	11.7*	11.7*	10.1*	10.1*	8.9*	8.9*	7.9*	7.9*	7.1*	7.1*	6.4*	6.4*	5.7*	5.7*			4.6*	4.6*	19.4
4.5	4 pt. outriggers down	1.9*	1.9*	16.2*	16.2*	18.6*	18.6*	14.7*	14.7*	12.2*	12.2*	10.4*	10.4*	9.1*	9.1*	8.0*	8.0*	7.1*	7.1*	6.4*	6.4*	5.6*	5.6*			4.7*	4.7*	19.4
3.0	4 pt. outriggers down	1.5*	1.5*	6.0*	6.0*	19.4*	19.4*	15.2*	15.2*	12.5*	12.5*	10.6*	10.6*	9.2*	9.2*	8.0*	8.0*	7.1*	7.1*	6.3*	6.3*	5.4*	5.4*			4.4*	4.4*	19.3
1.5	4 pt. outriggers down	2.3*	2.3*	5.2*	5.2*	11.8*	11.8*	15.3*	15.3*	12.6*	12.6*	10.6*	10.6*	9.1*	9.1*	8.0*	8.0*	7.0*	7.0*	6.1*	6.1*	5.1*	5.1*			4.1*	4.1*	19.1
0	4 pt. outriggers down	3.3*	3.3*	5.6*	5.6*	10.2*	10.2*	15.0*	15.0*	12.4*	12.4*	10.4*	10.4*	8.9*	8.9*	7.7*	7.7*	6.7*	6.7*	5.7*	5.7*	4.5*	4.5*			3.8*	3.8*	18.6
1.5	4 pt. outriggers down			6.5*	6.5*	10.2*	10.2*	14.0*	14.0*	11.7*	11.7*	9.9*	9.9*	8.5*	8.5*	7.2*	7.2*	6.1*	6.1*	5.0*	5.0*					4.2*	4.2*	17.4
3.0	4 pt. outriggers down					10.8*	10.8*	12.4*	12.4*	10.5*	10.5*	8.9*	8.9*	7.6*	7.6*	6.4*	6.4*	5.2*	5.2*							4.8*	4.8*	15.5
4.5	4 pt. outriggers down																											
6.0	4 pt. outriggers down																											

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 steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads comply with 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 working tools (grabs, load hooks, etc.) and load accommodation equipment 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.

Attachment AG20 (Kinematic 2D)

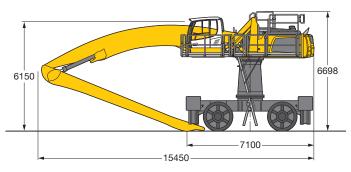


Operating Weight

The operating weight includes basic machine with 4 point outriggers, turret 2.00 m, hydr. cab elevation, 4 solid tires, industrial-type angled mono boom 11.50 m and industrial-type straight stick 9.50 m.

with grapple model GM 70C/1.10 m³ semi-closed tines 71,200 kg

Dimensions



Industrial Stick 9.50 m 3.0 m 4.5 m 10.5 m 12.0 m 13.5 m 15.0 m 16.5 m 18.0 m 19.5 m 6.0 m 7.5 m 9.0 m 1/2 Ь ph ph ph Ph Ь -5 -50 -50 -5 -1 -50 -10 Undercarriage -50 -50 m m 22.5 6.9* 6.9 6.2* 9.6 4 pt. outrigaers down 6.2* 21.0 4 pt. outriggers down 7.0* 7.0 5.5* 5.5* 12.0 19.5 5.1* 4 pt. outriggers down 5.4* 5.1* 13.7 6.8* 6.8 5.4 18.0 4 pt. outriggers down 6.7* 6.7 6.2* 6.2* 5.1* 5.1 4.8 4.8* 15.2 4 pt. outriggers down 16.5 6.7* 6.7 6.1* 6.1* 5.7* 5.7* 4.6* 4.6* 16.3 15.0 4 pt. outriggers down 6.7* 6.7 6.1* 6.1 5.7' 5.7 5.3* 5.3 4.5' 4.5* 17.3 13.5 4.6* 4 pt. outriggers down 6.8* 6.8' 6.2* 6.2 5.7' 5.7' 5.3* 5.3 4.6* 4.5 4.5* 18.1 12.0 4 pt. outriggers down 7.7* 7.7 6.9* 6.9 6.3* 6.3* 5.7* 5.7 5.3* 5.3 5.0* 5.0 4.5' 4.5* 18.7 10.5 4 pt. outriggers down 9.0* 9.0* 7.9* 7.9* 7.0* 7.0* 64* 64* 5.8* 5.8* 5 4* 5.4' 5.0* 5.0* 4.5' 4.5* 19.2 9.0 4 pt. outriggers down 11.0* 11.0* 9.4* 9.4 8.2 8.2 7.2' 7.2 6.5* 6.5 5.9' 5.9 5.4 5.4 5.0* 5.0 4.6* 4.6 4.5* 4.5* 19.5 7.5 4 pt. outriggers down 18.1* 18.1* 14.5* 14.5* 11.7* 11.7* 9.8 9.8' 8.5* 8.5* 7.5* 7.5* 6.7* 6.7* 6.0* 6.0* 5.5* 5.5' 5.1* 5.1* 4.6* 4.6 4.6* 4.6* 19.8 4.5* 6.0 4 pt. outriggers down 21.3* 21.3* 15.6* 15.6* 12.4* 12.4* 10.3* 6.1* 4.6* 4.6* 4.5* 10.3 8.8* 8.8 7.7* 7.7 6.8* 6.8* 6.1 5.6* 5.6 5.1* 5.1 19.9 4.5 4 pt. outriggers down 6.8* 6.8* 16.7* 16.7* 13.0* 13.0* 10.7* 10.7* 9.1* 9.1* 7.9* 7.9* 7.0* 7.0* 6.2* 6.2* 5.6* 5.6' 5.1* 5.1* 4.6* 4.6* 4.5* 4.5* 19.9 3.0 13.5* 13.5* 4.5* 4 pt. outrigaers down 1.6* 1.6* 4.6* 4.6* 11.0* 11.0* 9.3* 8.1* 8.1 7.1* 7.1' 6.3* 6.3* 5.7* 5.7 5.1* 5.1 4.5 4 4* 4.4* 19.8 11.1' 11.1 9.3 2.5* 13.8* 9.5* 6.3* 5.7* 5.7 5.0* 4.3* 4.3* 1.5 4 pt. outriggers down 2.5 4.6* 4.6* 8.6* 8.6 13.8* 11.3' 11.3 9.5 8.2* 8.2 7.2* 7.2 6.3* 5.0* 4.4* 4.4' 19.6 0 4 pt. outriggers down 3.5* 3.5 5.1* 5.1 8.2* 13.7* 13.7* 11.3* 11.3 9.5* 8.2* 8.2 7.1* 7.1 6.3* 6.3* 5.6* 5.6 4.9* 4.9 4.2* 4.2* 19.3 8.2 9.5 - 1.5 4 pt. outriggers down 5.9* 5.9* 8.4* 8.4* 13.1* 13.1* 11.1* 11.1 9.4* 9.4* 8.1* 8.1* 7.0* 7.0* 6.1* 6.1* 5.4* 5.4 4.6* 4.6 4.1* 4.1* 18.8 4 pt. outriggers down - 3.0 12.5* 12.5* 10.5* 10.5 9.0* 9.0* 7.7* 7.7 6.7* 6.7* 5.8* 5.8* 5.0* 3.9* 3.9* 18.2 8.9* 8.9' 5.0' 4.0* 4.0 -4.5 4 pt. outriggers down 11.3* 11.3* 9.6' 9.6 8.3* 8.3 7.1* 7.1 6.1* 6.1 5.2' 5.2 4.3* 4.3 4.2' 4.2* 16.6 - 6.0 4 pt. outriggers down

1/4 Height

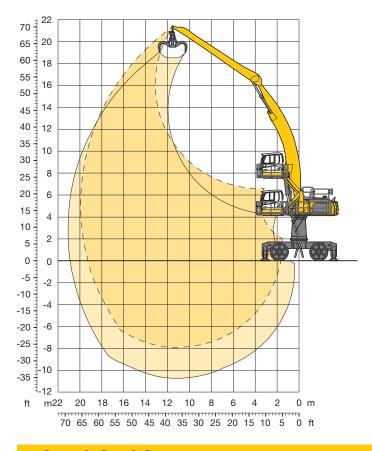
- Can be slewed through 360°

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 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 steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads comply with 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 working tools (grabs, load hooks, etc.) and load accommodation equipment 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.

Attachment AG20 (Kinematic 2C)

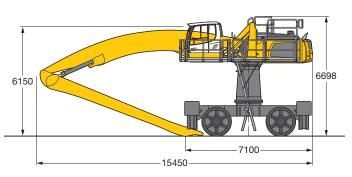


Operating Weight

The operating weight includes basic machine with 4 point outriggers, turret 2.00 m, hydr. cab elevation, 4 solid tires, industrial-type angled mono boom 11.50 m and industrial-type straight stick 9.50 m.

with grapple model GM 70C/1.10 m³ semi-closed tines 71,200 kg

Dimensions



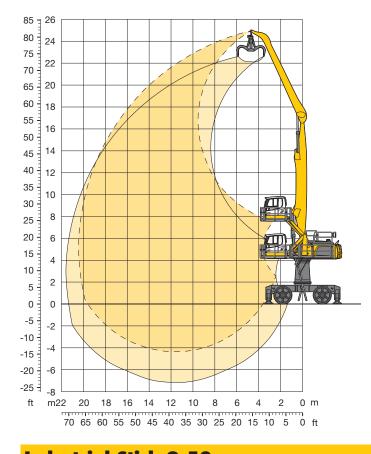
		3.0	m	4.5	m	6.0	m	7.5	5 m	9.0) m	10.	5 m	12.	0 m	13.	5 m	15.	0 m	16.	5 m	18.	0 m	19.	5 m			1
יייייייייי ח	Undercarriage	5	Ľ	5	Ľ		Ľ	5	Ľ		Ľ		Ŀ	5	Ľ	5	Ľ		Ľ	5	Ŀ		Ŀ		Ľ	5	Ŀ	n
.0	4 pt. outriggers down																									5.5*	5.5*	12
.5	4 pt. outriggers down															5.4*	5.4*									5.1*	5.1*	1
.0	4 pt. outriggers down															5.5*	5.5*	5.1*	5.1*							4.8*	4.8*	1
.5	4 pt. outriggers down															5.5*	5.5*	5.1*	5.1*							4.6*	4.6*	1
.0	4 pt. outriggers down															5.5*	5.5*	5.1*	5.1*	4.8*	4.8*					4.5*	4.5*	1
.5	4 pt. outriggers down															5.5*	5.5*	5.1*	5.1*	4.8*	4.8*	4.6*	4.6*			4.5*	4.5*	•
.0	4 pt. outriggers down															5.6*	5.6*	5.2*	5.2*	4.9*	4.9*	4.6*	4.6*			4.5*	4.5*	•
5	4 pt. outriggers down													6.3*	6.3*	5.8*	5.8*	5.3*	5.3*	4.9*	4.9*	4.6*	4.6*			4.4*	4.4*	
.0	4 pt. outriggers down											7.3*	7.3*	6.5*	6.5*	5.9*	5.9*	5.4*	5.4*	5.0*	5.0*	4.7*	4.7*	4.4*	4.4*	4.4*	4.4*	
.5	4 pt. outriggers down									8.8*	8.8*	7.7*	7.7*	6.8*	6.8*	6.1*	6.1*	5.6*	5.6*	5.1*	5.1*	4.8*	4.8*	4.5*	4.5*	4.4*	4.4*	
.0	4 pt. outriggers down			19.4*	19.4*	14.2*	14.2*	11.3*	11.3*	9.4*	9.4*	8.0*	8.0*	7.1*	7.1*	6.3*	6.3*	5.7*	5.7*	5.2*	5.2*	4.8*	4.8*	4.5*	4.5*	4.4*	4.4*	
5	4 pt. outriggers down			6.8*	6.8*	15.5*	15.5*	12.1*	12.1*	9.9*	9.9*	8.4*	8.4*	7.3*	7.3*	6.5*	6.5*	5.9*	5.9*	5.3*	5.3*	4.9*	4.9*	4.5*	4.5*	4.4*	4.4*	
.0	4 pt. outriggers down	1.6*	1.6*	4.6*	4.6*	11.0*	11.0*	12.7*	12.7*	10.4*	10.4*	8.8*	8.8*	7.6*	7.6*	6.7*	6.7*	6.0*	6.0*	5.4*	5.4*	4.9*	4.9*	4.5*	4.5*	4.4*	4.4*	
.5	4 pt. outriggers down	2.5*	2.5*	4.6*	4.6*	8.6*	8.6*	13.2*	13.2*	10.8*	10.8*	9.1*	9.1*	7.8*	7.8*	6.9*	6.9*	6.1*	6.1*	5.5*	5.5*	5.0*	5.0*	4.4*	4.4*	4.4*	4.4*	
	4 pt. outriggers down	3.5*	3.5*	5.1*	5.1*	8.2*	8.2*	13.4*	13.4*	11.0*	11.0*	9.2*	9.2*	7.9*	7.9*	6.9*	6.9*	6.2*	6.2*	5.5*	5.5*	4.9*	4.9*			4.3*	4.3*	
.5	4 pt. outriggers down	4.4*	4.4*	5.9*	5.9*	8.4*	8.4*	13.1*	13.1*	11.0*	11.0*	9.2*	9.2*	8.0*	8.0*	6.9*	6.9*	6.1*	6.1*	5.4*	5.4*	4.7*	4.7*			4.3*	4.3*	
.0	4 pt. outriggers down	5.3*	5.3*	6.6*	6.6*	8.9*	8.9*	12.8*	12.8*	10.7*	10.7*	9.1*	9.1*	7.8*	7.8*	6.8*	6.8*	5.9*	5.9*	5.1*	5.1*	4.3*	4.3*			4.2*	4.2*	
.5	4 pt. outriggers down			7.4*	7.4*	9.6*	9.6*	11.9*	11.9*	10.1*	10.1*	8.6*	8.6*	7.4*	7.4*	6.4*	6.4*	5.5*	5.5*	4.6*	4.6*					4.0*	4.0*	
0	4 pt. outriggers down					10.3*	10.3*	10.5*	10.5*	9.0*	9.0*	7.8*	7.8*	6.7*	6.7*	5.7*	5.7*	4.8*	4.8*	3.6*	3.6*					3.6*	3.6*	
.5	4 pt. outriggers down									7.5*	7.5*	6.5*	6.5*	5.5*	5.5*	4.6*	4.6*									4.3*	4.3*	F

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 steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads comply with 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 working tools (grabs, load hooks, etc.) and load accommodation equipment 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.

Attachment GA21 (Kinematic 2A)

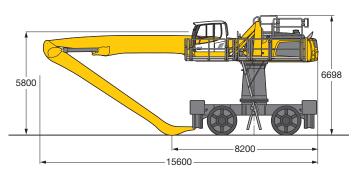


Operating Weight

The operating weight includes basic machine with 4 point outriggers, turret 2.00 m, hydr. cab elevation, 4 solid tires, industrial-type straight mono boom 11.50 m and industrial-type angled stick 9.50 m.

with grapple model GM 70C/1.10 m³ semi-closed tines 70,500 kg

Dimensions



Industrial Stick 9.50 m 3.0 m 4.5 m 10.5 m 12.0 m 13.5 m 15.0 m 16.5 m 18.0 m 19.5 m 6.0 m 7.5 m 9.0 m 1/2 ph ph ph Ь Ь ph ph Ь -5 -5 -50 -5 -5 -5 -50 -5 Undercarriage -50 m m 8.2* 8.2* 8.1* 24.0 4 pt. outrigaers down 8.1* 7.5 22.5 4 pt. outriggers down 9.5* 9.5* 8.3* 8.3 6.7 6.7 6.6* 6.6* 10.6 21.0 5.8* 4 pt. outriggers down 9.1 8.2 8.2 6.8 5.8' 12.7 9.1 6.8* 19.5 4 pt. outriggers down 8.9* 8.9* 8.0* 8.0* 6.7* 6.7 5.3' 5.3* 14.4 18.0 4 pt. outriggers down 8.8* 8.8* 7.9* 7.9' 7.2* 7.2* 6.3* 6.3' 5.0* 5.0* 15.8 16.5 4 pt. outriggers down 8.7 8.7 7.9' 7.9 7.2* 7.2 6.6' 6.6* 5.6* 5.6 4.8' 4.8* 16.9 15.0 4 pt. outriggers down 8.7 8.7 7.9* 7.9 7.2* 7.2 6.6* 6.6* 6.1* 6.1 4.7 4.7* 17.8 13.5 4 pt. outriggers down 8.8 8.8 7.9* 7.9 7.2* 7.2 6.6* 6.1* 6.1 5.6* 5.6 4.6' 4.6* 6.6* 18.6 12.0 4 pt. outriggers down 10.2* 10.2* 9.0* 9.0* 8.0* 8.0* 7.3* 7.3* 6.6* 6.6* 6 1* 6.1 5.6* 5.6* 4.5* 4.5* 19.2 10.5 4 pt. outriggers down 10.4* 10.4* 10.5* 10.5 9.2 9.2 8.2 8.2 7.4* 7.4 6.7 6.7 6.1 6.1 5.6* 5.6 4.9* 4.9 4.5* 4.5* 19.7 9.0 4 pt. outriggers down 10.1* 10.1 12.1* 12.1* 10.9* 10.9* 9.5* 9.5* 8.4* 8.4* 7.5* 7.5* 6.8* 6.8* 6.2* 6.2 5.6* 5.6* 5.1* 5.1 4.5* 4.5* 20.0 4.5* 7.5 4 pt. outriggers down 6.2* 11.7* 11.7* 15.0* 15.0* 13.5* 13.5* 7.6* 6.2* 5.0* 5.0' 4.5* 6.2* 11.3* 11.3 9.7* 9.7 8.5* 8.5 7.6* 6.8* 6.8* 6.2 5.6* 5.6* 20.3 6.0 4 pt. outriggers down 24 2* 24 2* 17.8* 17.8* 14.1* 14.1* 11.7* 11.7* 10.0* 10.0* 8.7* 8.7* 7.7* 6.9* 6.9* 6.2* 6.2 5.6* 5.6* 4.9* 4.9' 4 4* 4.4* 20.4 7.7* 4.5 5.5* 4 2' 4 pt. outrigaers down 4.0* 4 0* 18.6* 18.6* 14.6* 14.6* 12.0* 10.2* 10.2 8.8* 8.8 7.8* 6.9* 6.9* 6.2* 6.2 5.5* 4.8* 4.8' 4.2* 20.4 12.0 7.8* 3.0 14.9* 12.2* 12.2* 10.3* 8.9* 7.8* 6.9* 6.1* 6.1' 5.3* 4.5* 4.5* 3.9* 3.9* 4 pt. outriggers down 0.3* 0.3* 2.9* 2.9* 8.5* 8.5 14.9* 10.3 8.9 7.8 6.9* 5.3* 20.3 14.7* 14.7* 1.5 4 pt. outriggers down 3.2* 7.0* 7.0 12.1* 12.1 10.2* 10.2 8.8* 8.8 7.7* 7.7 6.7* 6.7 5.9* 5.9' 5.1* 5.1 4.1* 4.1 3.6* 3.6* 20.1 1.3* 1.3* 3.2 8.5* 6.4* 4.7* 0 4 pt. outriggers down 4.0* 4.0* 7.0* 7.0* 12.8* 12.8* 11.7* 11.7 9.9* 9.9 8.5* 7.4* 7.4* 6.4* 5.6* 5.6' 4.7 3.5* 3.5' 3.4* 3.4* 19.6 - 1.5 4 pt. outriggers down 7.5* 12.2* 12.2* 10.9* 10.9 9.3* 9.3 8.0* 8.0* 6.9* 6.0* 5.0* 3.6* 3.6* 18.4 7.5* 6.9* 6.0* 5.0' 4.0* 4.0 - 3.0 4 pt. outriggers down 11.1* 11.1' 9.7* 9.7 8.4 8.4 7.2* 7.2 6.2* 6.2* 5.2' 5.2 4.2 4.2 4.2* 4.2* 16.5 -4.5 4 pt. outriggers down

1/2 Height

- Can be slewed through 360°

In longitudinal position of undercarriage

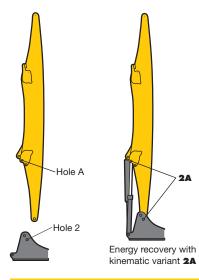
🚝 Max. reach * Limited by hydr. capacity

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 steering axle with the stabilizers raised and over the rigid axle with the stabilizers down. Indicated loads comply with 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 working tools (grabs, load hooks, etc.) and load accommodation equipment 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.

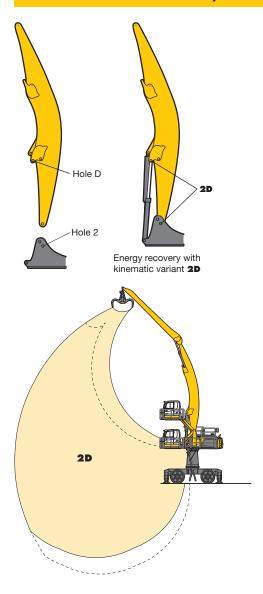
Kinematic Variants

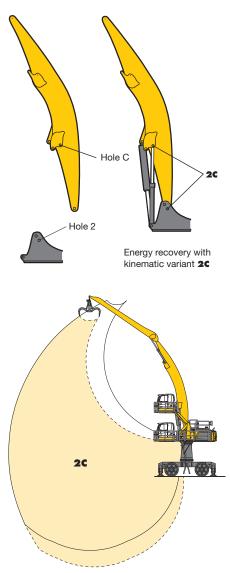


Kinematic Variant 2A



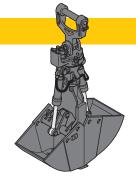
Kinematic Variant 2D/2C



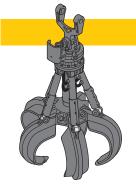


Altered range curve with additional reach depth, e.g. for unloading from ships

Variety of Tools



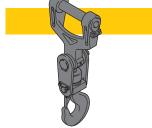
Shells for Loose Mate	ria	d i		nells for loose materi cutting edge (without	
Clamshell Model GM 20B					
Cutting width of shells	mm	1,000	1,200	1,600	2,000
Capacity	m ³	1.30	1.50	2.00	2.50
For loose material, specific weight up to	t/m³	1.5	1.5	1.5	1.5
Weight	kg	1,355	1,415	1,550	1,820
Clamshell Model GMZ 80					
Cutting width of shells	mm	1,300	1,500	1,700	
Capacity	m ³	3.00	3.50	4.00	
For loose material, specific weight up to	t/m³	1.5	1.35	1.2	
Weight	kg	2,480	2,590	2,710	



	closed tines
80 1.10	0.80 1.10
535 1,640	1,900 2,060
80 1.10	0.80 1.10
705 1,860	1,950 1,995
5	35 1,640 30 1.10



Wood Grapple					
Grapple Model GM 20B					
Claw width	mm	810	810	810	810
Size	m ²	1.50	1.70	1.90	2.10
Height of grapple, closed	mm	3,005	3,060	3,155	3,310
Weight	ka	1.725	1.775	1.910	1.950



Crane Hook with	Suspen	sion	
Max. load	t	12.5	
Height with suspension	mm	930	
Weight	kg	96	



Magnet Devices/Lifting Magnets

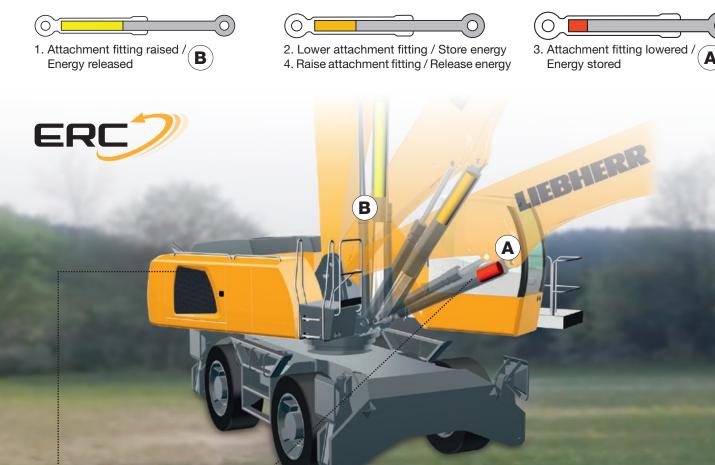
Generator	kW	13/20/25
Electromagnets with Sus	pension	
Power	kW	12.8/17.8
Diameter of magnet	mm	1,700
Weight	kg	3,280

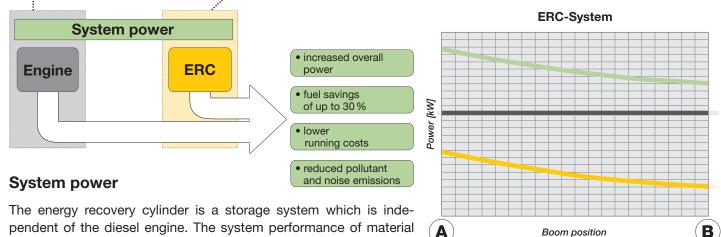
Liebherr ERC-System



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 saving on fuel – and, at the same time, even greater performance.





ERC performance

System performance

Engine power

pendent of the 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 diesel engine.

Equipment



Support rocker, variants	+
Individual control outriggers	•
Shuttle axle lock, automatic	•
Outrigger monitoring system	+
Protection for piston rods, outriggers	+
Tool equipment, extended	•

Uppercarriage

Refuelling system with filling pump	+
Railing on uppercarriage	•
Generator	+
Main battery switch for electrical system	•



-	
Electronic pump regulation	٠
Liebherr hydraulic oil from -20 °C to +40 °C	٠
Liebherr hydraulic oil, biologically degradable	+
Magnetic rod in hydraulic tank	•
Bypass filter	+
Preheating hydraulic oil	+



	
Fuel anti-theft device	+
Liebherr particle filter	•
Reversible fan drive, fully automatic	+
Air pre-filter with dust discharge	+
Protective grid in front of cooler intake	•
Preheating fuel	+
Preheating coolant	+
Preheating engine oil	+

Operator's Cab

-	
Cab lights rear, halogen	+
Cab lights rear, LED 1300 lumen	+
Cab lights front, halogen	•
Cab lights front, LED 1300 lumen	+
Circular bubble level	•
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)	•
Automatic air conditioning	•
Electric cooler	+
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	+
Sun visor	+
Auxiliary heating, adjustable (week time switch)	+
Flashing light (xenon)	+
Electronic immobilizer	+

Attachment

Boom lights, 2 pieces, halogen	•
Boom lights, 2 pieces, LED 1300 lumen	+
Stick lights, 2 pieces, halogen	•
Stick lights, 2 pieces, LED 1300 lumen, with protection	+
Boom shutoff, ascending	•
AutoLift	+
Pressure warning mechanism hoist cylinder	•
ERC system	•
Height limitation and stick shutoff, electronically	+
Boom cylinder cushioning	•
Industrial stick with quick coupling	+
Stick camera (with separate monitor), bottom side, with protection	+
Liebherr lightweight stick	+
Liebherr multi coupling system	+
Pipe fracture safety valves hoist cylinders	•
Pipe fracture safety valve stick cylinder	•
Protection for piston rod, ERC	+
Protection for piston rod, hoist cylinder	+
Retract stick without pressure	•
Overload warning device	+
Protection for stick	+

Complete Machine

Lubrication	
Lubrication undercarriage, manually – decentralized	
(grease points)	•
Central lubrication system for uppercarriage and attachment,	
automatically	•
Central lubrication system for undercarriage, automatically	+
Special coating	
Single-coloured, grey parts excepted	+
Single-coloured, grey parts included (except power train)	+
Multicoloured (except power train)	+
Monitoring	
Rear view monitoring with camera	•
Side view monitoring with camera	+
Rear 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 application.

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 38,000 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.



Liebherr-Hydraulikbagger GmbH Liebherrstraße 12, D-88457 Kirchdorf/Iller 2 +49 7354 80-0, Fax +49 7354 80-72 94 www.liebherr.com, E-Mail: info.lhb@liebherr.com www.facebook.com/LiebherrConstruction