

# Wheeled Excavator

A 924  
Litronic®

Operating Weight:	50,900 – 58,400 lb
Engine Output (SAE J1349):	173 HP/129 kW
Engine Output (ISO 9249):	175 HP/129 kW
Bucket Capacity:	0.98 – 2.16 yd <sup>3</sup>



**LIEBHERR**

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## **Performance**

Liebherr wheeled excavators have the performance to get construction work done faster. Excellent high lift capacity and maximum digging forces deliver extraordinary productivity. Maximum performance for greater efficiency.

## **Reliability**

Main components such as diesel engines, swing drives as well as the steel structures are developed, produced and tested in-house by Liebherr. This delivers the high quality customers have come to expect for reliability and machine longevity. Greater quality for extreme durability and reliability.

## **Comfort**

The newly developed Liebherr operator's cab provides a spacious work area for optimum comfort allowing the operator to easily manage all machine's functions. The operator's seat comes with air suspension, seat heating and lumbar support as standard. Greater comfort for maximum performance.

## **Efficiency**

The A 924 Litronic combines outstanding performance with exceptional efficiency. The powerful Liebherr D 934 L diesel engine in conjunction with the efficient Liebherr particle filter reduces emissions and operating costs.





#### Travel drive

- Newly developed travel drive with high traction force for high travel speeds both on flat surfaces and slopes.
- Reduces unproductive travel time between the working points and on the building site.
- Faster on site.  
Maximum productivity.



# Performance

Liebherr wheeled excavators are used on construction sites all over the world, where they embody force and speed. Liebherr excavators achieve impressive levels of performance, day-in and day-out. Liebherr wheeled excavators achieve fast results whether they are working on road construction, digging trenches or laying down pipe.

## Power, dynamics and precision

### Lifting more

The innovative structure of the uppercarriage and separate mounting of the hoist cylinders increase significantly the lift capacity of the machine. That makes the A 924 Litronic the ideal machine for pipeline and trenching applications. The most powerful wheeled excavator in its class can effortlessly accomplish tasks such as lifting and moving precast concrete pieces and pipes or pulling out shoring boxes.

### Being more efficient

The A 924 Litronic delivers excellent performance combining speed and power to provide the best solution when working at any job site.

### Working with precision

The exceptional sensitivity of the hydraulic system permits precise lifting and positioning of heavy components. The bottom of the trench and other demanding profiling work can be accomplished precisely and in the shortest possible time. For earthmoving, load-lifting or grading work, it is easily possible to adjust the speed of the machine to match the requirements using the MODE switch.



### Digging force

- High digging and breakout force in the field.
- Consistent high digging performance even in tough terrain.
- More digging force for faster results.



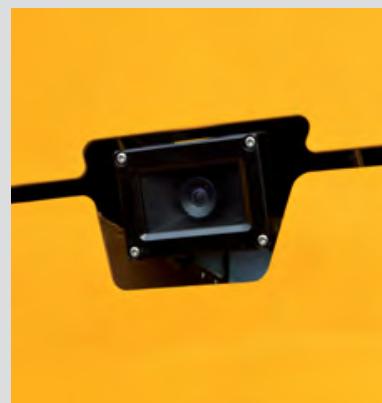
### Joystick steering

- The optional joystick steering function enables the operator to steer the wheeled excavator using the mini-joystick.
- Working and traveling movements can be executed simultaneously without having to move hands.
- More efficient operation for greater productivity.



#### Bright and durable

- The LED rear lights fitted as standard not only look good, they also have a high brightness level and an extremely long service life.
- The LED front outline marker fitted as standard makes it easier to see the machine on the road, and thus provides greater safety.





# Reliability

Reliability offers safety. Safety significantly influences the success of a project. Whatever the weather, terrain or application, Liebherr stands for safety - with reliable construction machines and customer-oriented sales and service partners. This means a Liebherr construction machine is exactly what it should be: an investment that pays off.

## Durability and innovation

### Quality

Key components such as diesel engine, diesel particle filter, hydraulic components, electronic components, swing ring and swing drive are developed, tested and produced by Liebherr. The significant depth of production ensures the highest quality and provides optimum coordination of components. The high quality Liebherr components are also used in many other sectors and products.

### Expertise

Liebherr has been developing and producing hydraulic excavators for more than 60 years. This experience combined with the feedback from customers, sales and service form the basis for putting innovative ideas into practice. The result: wheeled excavators with excellent quality and reliability.

### Service

A closely spaced international network ensures qualified customer service and the supply of original spare parts are available around the clock.

Liebherr's customer service structure includes the coordination and the provision of support to affiliated dealer networks in many product areas. Servicing experts are factory-trained who work closely with the distribution network to ensure timely and professional support and provide consistent quality and quick response to customers in North America.

Liebherr Construction Equipment Co. manages an extensive spare parts inventory at the parts depot in Newport News, VA and other parts of the country.

### Enhanced visibility

- The rearview camera is a standard feature integrated in the counterweight.
- Optional camera for the right side area, for greater safety on the site.
- Greater visibility for a safer work environment.



### Easy Maintenance

- Standard shut-off valve for disconnecting the oil tank from the hydraulic system.
- For simple maintenance work on the hydraulic components without draining the hydraulic oil.
- Reduced maintenance time for higher machine availability.



#### Refueling

- Using the optional refueling pump, the machine can be refueled directly from a fuel container.
- Remote cable operation and automatic shut off when the tank is full, for greater convenience and shorter refueling times.
- Fueling up is simple, quick and safe.





# Comfort

The modern Liebherr operator's cab offers the best environment for a productive working space. The features which make this possible include the standard feature of an air-suspended operator seat with heating, automatic air conditioning and ergonomically arranged control unit with touch screen display. One example of the safety equipment is the roll-over protection system (ROPS) for the cab fitted as standard according to ISO 12117-2.

## Improved comfort and convenience

### Automatic air conditioning

The automatic air conditioning offers a comfortable working environment in all conditions. Temperature settings in the cab are set using the touch screen on the display unit. The defrost/defog one-button function clears fogged up windows in the shortest possible time. The filter for the cab air can be changed easily and conveniently from the outside.

### Operator seats

The Standard, Comfort and Premium operator seat versions offer different orthopedic properties for maximum comfort. Even the standard operator seat offers an extensive range of standard features such as air suspension, seat heating, headrest, lumbar support and many more.

### Detailed solutions

The A 924 Litronic offers detailed solutions for greater comfort and efficiency. For example, two different steering wheel versions can be selected: for regular civil engineering tasks, it is recommended to have the thin steering wheel since it affords better visibility of the working area. Also, the stabilizer blade does not have any lubrication points and is maintenance-free. No need for time-consuming lubrication.

### Convenient radio operation

- Optional radio with MP3-capable CD player and front aux-in for connecting external playback devices.
- Operation of the radio using the display unit: station search, volume control, mute function.
- Simple operation for greater convenience.



### Intuitive operation

- Display of the machine data and camera image on the large 7-inch indicating unit with touch screen and direct access via menu bar.
- 10 user-programmable memory slots for working tools, which can be used for quickly and easily setting the oil pressure and oil flow at the push of a button when changing tools.
- Quick access keys can be programmed by the machine operator with frequently used menu items.



#### Low: emissions and operating costs

- Compliance with exhaust emission stage IIIB/Tier 4i with efficient Liebherr diesel particle filter and active regeneration system.
- The low-ash Liebherr engine oil, Motoroil 10W-40 low ash, minimizes the formation of engine oil ash, and thus extends the cleaning interval for the particle filter.
- Lower emissions. Lower operating costs. Economic and environmentally friendly.



# Efficiency



Liebherr wheeled excavators are highly productive and economical machines built from the ground up. The efficiency of each wheeled excavator can be further improved by choosing the right Liebherr bucket or attachment and the Liebherr coupling system.

## An investment that pays off

### Fuel efficiency

The newly developed Liebherr D 934 L diesel engine together with the efficient Liebherr particle filter provide low fuel consumption and low emissions. The intelligent engine unit means the particle filter is passively regenerated in the majority of operations. As a result, active regeneration cycles with fuel injection are reduced. The sensor controlled low idle automatic fitted as standard, with proximity sensors and the optional automatic engine shutdown, enable the operating costs of the A 924 Litronic to be reduced even further.

### Increased utilization

The fully hydraulic Liebherr LIKUFIX quick coupling system increases the productivity of a wheeled excavator by 30 % on average. The working process is accelerated, and jobs are completed faster. That enables more turnover to be achieved per machine.

### Optimal service access

- Large, wide-opening and automatic lock on the service doors.
- Engine oil, fuel, air and cab air filter can be reached conveniently and safely from ground level.
- The oil level in the hydraulic tank can be checked from the cab.
- Short service times for greater productivity.



### Lubricating during work

- Fully automatic central lubrication system for the attachment and swing ring.
- Can be optionally expanded to the connecting link and quick coupler.
- Lubricating without interrupting work for higher productivity.

# Technical Data



## Engine

Rating per SAE J1349	173 HP (129 kW) at 1,800 rpm
Rating per ISO 9249	175 HP (129 kW) at 1,800 rpm
Option per SAE J1349	188 HP (140 kW) at 1,800 rpm
Option per ISO 9249	190 HP (140 kW) at 1,800 rpm
Model	Liebherr D 934 L according to stage IIIB/Tier 4i
Type	4 cylinder in-line
Bore/Stroke	4.8/5.9 in
Displacement	427.1 in <sup>3</sup>
Engine operation:	4-stroke diesel common-rail-injection turbocharged and after-cooler reduced emissions
Harmful emissions values	in accordance with 97/68/EG stage IIIB
Emission control	Liebherr particle filter
Cooling system	water-cooled and integrated motor oil cooler
Air cleaner	dry-type air cleaner with pre-cleaner, main and safety elements
Fuel tank	127 gal
Engine idling	sensor controlled
Electrical system	
Voltage	24 V
Batteries	2 x 135 Ah/12 V
Alternator	three phase current 28 V/100 A



## Operator's Cab

Cab	ROPS safety cab structure (capable of sweeping over) with individual windscreens or featuring a slide-in subpart under the ceiling, 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 window shades for the sunroof window and windscreen
Operator's seat Standard	air cushioned operator's seat with headrest, lap belt, seat heater, manual weight adjustment, adjustable seat cushion inclination and length and mechanical lumbar vertebrae support
Operator's seat Comfort (Option)	in addition to operator's seat standard: lockable horizontal suspension, automatic weight adjustment, adjustable suspension stiffness, pneumatic lumbar vertebrae support and passive seat climatisation with active coal
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 joysticks with arm consoles and swivel seat
Control system	large high-resolution operating unit, self-explanatory, with touchscreen function, video-compatible, numerous setting, control and monitoring options, e.g. air conditioning control, fuel consumption, machine and tool parameters
Operation and displays	joysticks with arm consoles and swivel seat
Air-conditioning	large high-resolution operating unit, self-explanatory, with touchscreen function, video-compatible, numerous setting, control and monitoring options, e.g. air conditioning control, fuel consumption, machine and tool parameters
Noise emission	automatic air-conditioning, recirculated air function, fast de-icing and demisting at the press of a button, air vents can be operated via a menu; recirculated air and fresh air filters can be easily replaced and are accessible from the outside; heating-cooling unit, designed for extreme outside temperatures, sensors for solar radiation, inside and outside temperatures (country-dependent)
ISO 6396	$L_{PA}$ (inside cab) = 71 dB(A)
2000/14/EC	$L_{WA}$ (surround noise) = 102 dB(A) - 129 kW
	$L_{WA}$ (surround noise) = 103 dB(A) - 140 kW



## Hydraulic System

Hydraulic pump	Liebherr, variable displacement, swashplate double pump
Max. flow	2 x 57 gpm
Max. hydr. pressure	5,076 psi
Hydraulic pump regulation and control	Liebherr-Synchron-Comfort-system (LSC) with electronic horsepower regulation, pressure cut-off, load sensing and torque controlled swing drive priority
Hydraulic tank capacity	50 gal
Hydraulic system capacity	max. 114 gal
Filtration	main return filter with integrated partial micro filtration (5 µm)
Cooling system	compact cooling system comprising 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 digging performance and heavy-duty jobs
Engine speed and performance setting	stepless alignment of engine output and hydraulic power via engine speed



## Undercarriage

Drive	variable flow swashplate motor with automatic brake valve
Transmission	oversized two speed power shift transmission with additional creeper speed
Pulling force	30,349 lbf
Travel speed	0 - 2.2 mph (creeper speed off road) 0 - 4.3 mph (off road) 0 - 8.1 mph (creeper speed on road) 0 - 12.4 mph (road travel) 0 - max. 15.5 mph Speeder (Option)
Driving operation	automotive driving using accelerator pedal, cruise control function: storage of variable accelerator pedal positions, both off-road and on-road
Axes	automatic or operator controlled hydraulic front axle oscillation lock
Brakes	steering and rigid axle with wet, maintenance-free multi disc brakes with minimized backlash. Spring applied/pressure released parking brake integrated into gear box
Stabilization	stabilizing blade (adjustable during travel for dozing) 2 point outriggers stabilizing blade + 2 point outriggers 4 point outriggers EW-undercarriage 9'
Option	



## Swing Drive

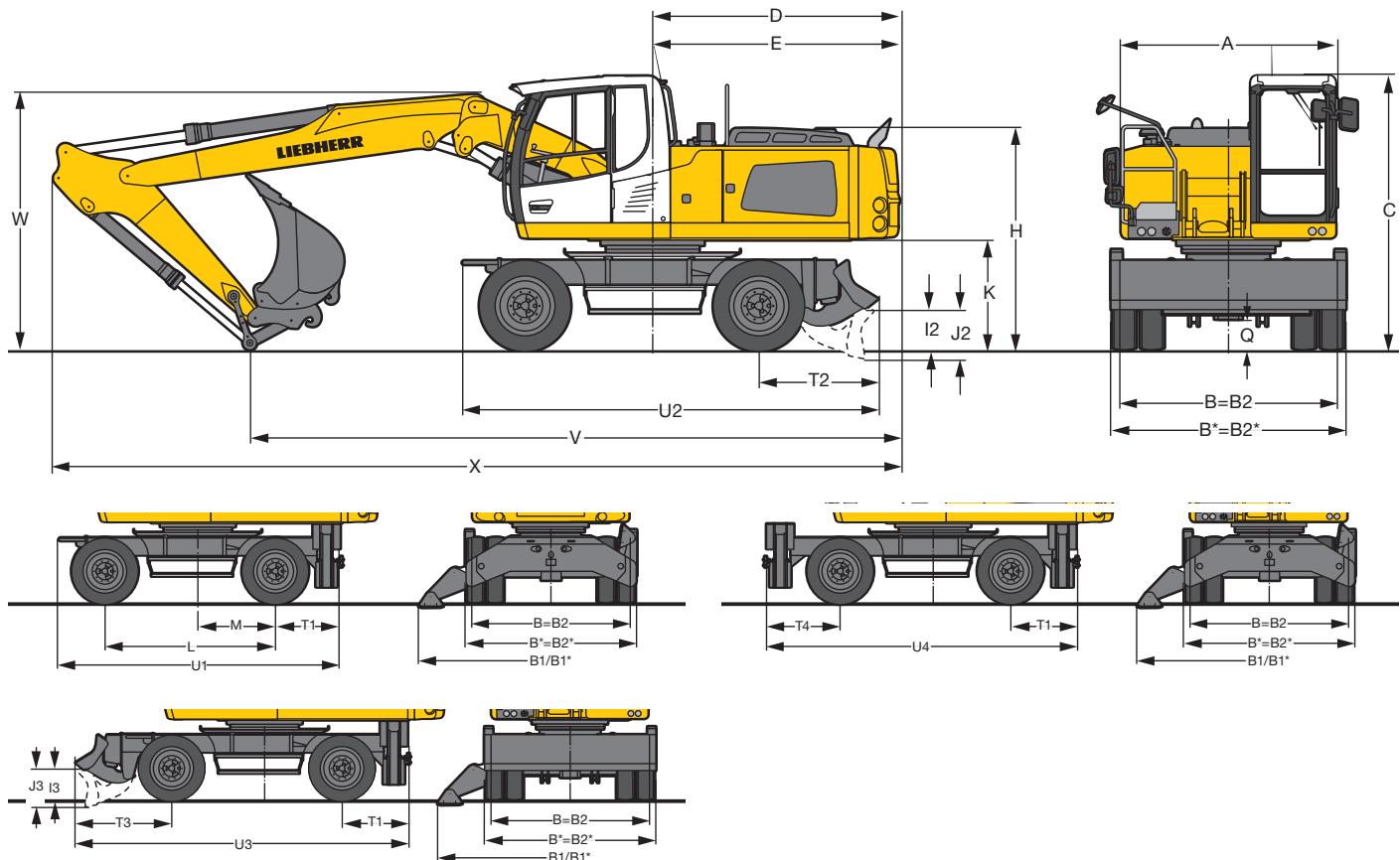
Drive	Liebherr swashplate motor with torque control and integrated brake valve
Transmission	Liebherr compact planetary gear
Swing ring	Liebherr sealed single race ball bearing swing ring, internal teeth
Swing speed	0 - 9.0 rpm stepless
Swing torque	55,317 lbf ft
Brake	holding brake (spring applied – pressure released)
Option	pedal controlled positioning swing brake



## Attachment

Hydraulic cylinders	Liebherr cylinders with special seal system. Shock absorption
Bearings	sealed, low maintenance
Lubrication	Liebherr central lubrication system (country-dependent)

# Dimensions



	A 924	ft in	A 924 EW	ft in
A	8' 3"		8' 3"	
B	8' 4"		9'	
B1	13' 2"		14'	
B2	8' 4"		9'	
C	10' 7"		10' 7"	
D	9' 6"		9' 6"	
E	9' 6"		9' 6"	
H	8' 6"		8' 6"	
I2	1' 6"		1' 6"	
I3	1' 6"		1' 6"	
J2	1'11"		1'11"	
J3	1'11"		1'11"	
K	4' 3"		4' 3"	
L	9'		9'	
M	4' 1"		4' 1"	
Q	1' 2"		1' 2"	
T1	3' 5"		3' 5"	
T2	4' 7"		4' 7"	
T3	5' 1"		5' 1"	
T4	3'11"		3'11"	
U1	14'10"		14'10"	
U2	16' 1"		16' 1"	
U3	17' 7"		17' 7"	
U4	16' 4"		16' 4"	

E = Tail radius

Tires 10.00-20

EW-Undercarriage tires 11.00-20

	Stick	Two-piece Boom 13'7"				Mono Boom 18'6"			
		stabil. blade	2 pt. outr.	blade + 2 pt. outr.	4 pt. outr.	stabil. blade	2 pt. outr.	blade + 2 pt. outr.	4 pt. outr.
V	7'5"	25'1"	25'1"	25'1"	25'1"	21' 4"	21' 4"	21' 4"	21' 4"
	8'	23'7"	23'7"	23'7"	23'7"	20'10"	20'10"	21' 4**	20'10"
	8'8"	23'	23'	23'	23'	20' 4"	20' 4"	20'10**	20' 4**
	10'	22'	22'	22'6**	22'	19'	19'	20'10**1)	20'10**1)
W	7'5"	10'4"	10'4"	10'4"	10'4"	10' 8"	10' 8"	10' 8"	10' 8"
	8'	10'2"	10'2"	10'2"	10'2"	10' 8"	10' 8"	10' 8**	10' 8"
	8'8"	10'2"	10'2"	10'2"	10'2"	10'10"	10'10"	10'10**	10'10**
	10'	10'6"	10'6"	10'6**	10'6"	11'	11'	10'10**1)	10'10**1)
X	7'5"	33'	33'	33'	33'	31'10"	31'10"	31'10"	31'10"
	8'	33'	33'	33'	33'	32'	32'	32' 6**	32'
	8'8"	33'	33'	33'	33'	32'	32'	32' 6**	32'*
	10'	33'	33'	33'6**	33'	32'	32'	32' 2**1)	32'1)

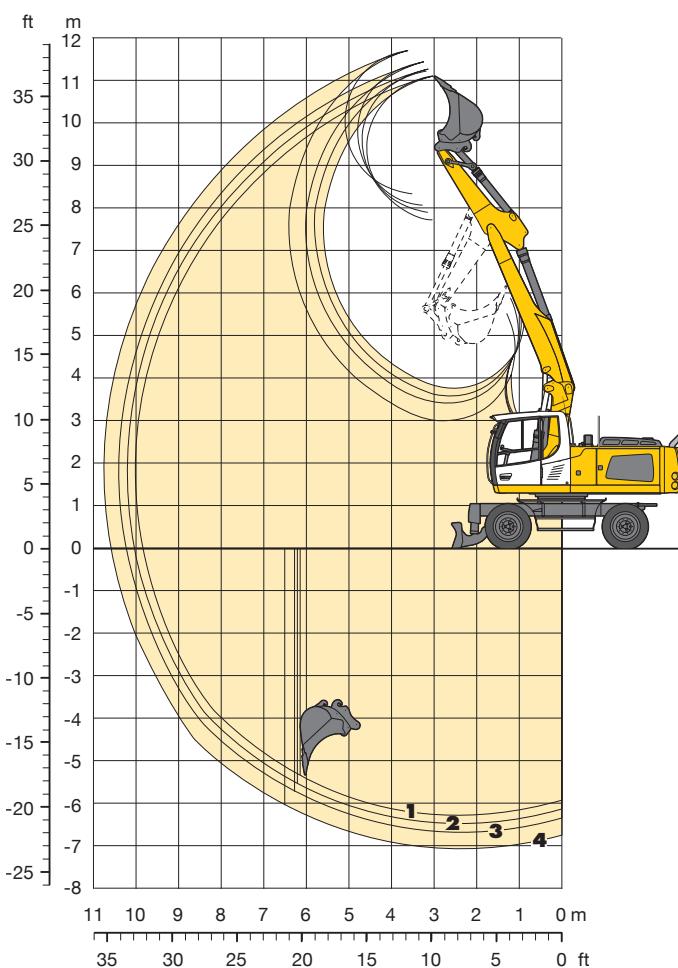
Dimensions are with attachment over steering axle

\* Attachment over digging axle for shorter transport dimensions

1) without quick coupler

# **Backhoe Bucket**

## **with Two-piece Boom 13'7"**



<b>Digging Envelope</b> with Quick Coupler		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
Stick length	ft in	7'5"	8'	8'8"	10'
Max. digging depth	ft in	20'8"	21' 4"	22'	23'2"
Max. reach at ground level	ft in	32'4"	33'	33'8"	34'9"
Max. dumping height	ft in	25'5"	25'11"	26'5"	27'5"
Max. teeth height	ft in	36'5"	36'11"	37'7"	38'5"
Min. attachment radius	ft in	10'8"	10' 4"	10'2"	10'4"

Digging Forces without Quick Coupler		1	2	3	4
Max. digging force (ISO 6015)	lbf	28,663	26,955	25,471	22,931
	lb	28,700	26,900	25,400	22,900
Max. breakout force (ISO 6015)	lbf	32,462	32,462	32,462	32,462
	lb	32,400	32,400	32,400	32,400

## **Operating Weight**

The operating weight includes the basic machine with 8 tires plus intermediate rings, two-piece boom 13'7", stick 8', quick coupler 48 and bucket 49.2"/1.50 yd<sup>3</sup>.

Undercarriage versions	Weight
A 924 Litronic with stabilizer blade	52,000 lb
A 924 Litronic with stabilizer blade + 2 pt. outriggers	56,000 lb
A 924 Litronic with 4 pt. outriggers	56,700 lb
A 924 EW Litronic with stabilizer blade	52,300 lb
A 924 EW Litronic with stabilizer blade + 2 pt. outriggers	56,900 lb
A 924 EW Litronic with 4 pt. outriggers	57,800 lb

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

\* Indicated loads are based on ISO 10567 and do not exceed 75 % of tipping or 87 % of hydraulic capacity, max. stick length without quick coupler, lifted 360° on firm ground with blocked oscillating axle

<sup>1)</sup> comparable with SAE (heaped)

- 2) Bucket with teeth
- 3) Bucket with teeth in HD-version
- 4) Bucket with cutting edge (also available in HD-version)

Max. material weight  = < 3,034 lb/yd<sup>3</sup>  = < 2,528 lb/yd<sup>3</sup>  = < 2,023 lb/yd<sup>3</sup>  = not authorized

Max. Material Weight  = 3,034 lb/yd<sup>2</sup>,  = 2,328 lb/yd<sup>2</sup>,  = 2,023 lb/yd<sup>2</sup>,  = Not authorized

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# **Lift Capacities**

**with Two-piece Boom 13'7"**

## **Stick 7'5"**

	<b>Under-carriage</b>	<b>10 ft</b>	<b>15 ft</b>	<b>20 ft</b>	<b>25 ft</b>	<b>30 ft</b>	
<b>30</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down						 <b>ft in</b>
<b>25</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down		15.2° 15.2° 15.2° 15.2° 15.2° 15.2° 15.2° 15.2°	9.4 12.3° 10.2 12.3° 12.3° 12.3° 12.3° 12.3°			13.0° 13.0° 13.0° 13.0° 13.0° 13.0° 13.0° 13.0°
<b>20</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down		15.1 15.6° 15.6° 15.6° 15.6° 15.6° 15.6° 15.6°	9.8 15.4° 10.6 15.5° 15.5° 15.5° 15.5° 15.5°			8.8 10.4° 9.5 10.4° 10.4° 10.4° 10.4° 10.4°
<b>15</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	26.3° 30.3° 28.6° 30.3° 30.3° 30.3° 30.3° 30.3°	14.5 20.7° 15.8 20.7° 20.7 20.7° 20.7 20.7°	9.7 15.1° 10.5 16.5° 15.7 16.5° 16.5 16.5°	6.4 10.6 7.0 14.1° 11.1 14.0° 13.6 14.0°		5.4 9.2 5.9 9.3° 9.3° 9.3° 9.3° 9.3°
<b>10</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	27.0 31.0° 31.0° 31.0° 31.0° 31.0° 31.0° 31.0°	14.0 22.3 22.3 24.1° 23.2 24.0° 24.0 24.0°	9.5 14.8 10.3 17.8° 15.4 17.8° 17.8 17.8°	6.3 10.5° 6.9 14.5° 11.0 14.4° 13.5 14.4°		4.8 8.4 5.3 9.5° 8.8 9.5° 9.5° 9.5°
<b>5</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	24.3 31.4° 26.5 31.4° 31.4° 31.4° 31.4° 31.4°	13.7 22.0 15.0 25.9° 22.8 25.8° 25.8 25.8°	9.4 14.7° 10.3 18.7° 15.2° 18.6° 18.2° 18.6°	6.1 10.3 6.7 14.6° 6.7 14.6° 13.4 14.6°		4.6 8.1 5.1 10.1° 8.5 10.1° 10.1° 10.1°
<b>0</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	23.8 37.0° 26.4 37.0° 36.9° 36.9° 36.9° 36.9°	13.5 22.0 14.7 26.0° 22.9 25.8° 25.8 25.8°	9.0 14.9 9.8 18.6° 15.5° 18.7° 18.2° 18.7°	5.7 9.9 6.3 14.8° 10.4 14.7° 13.0 14.7°		4.7 8.3 5.2 11.2° 8.6 11.2° 10.9 11.2°
<b>- 5</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	22.8 42.3° 25.3 42.3° 42.1° 42.1° 42.1° 42.1°	12.8 22.4 14.1 26.3° 23.5 26.2° 26.2 26.2°	8.2 14.1 9.0 19.1° 14.7 19.0° 18.6 19.0°	5.4 9.6 6.0 13.2° 10.0 13.1° 12.7 13.1°		5.1 9.0 5.6 11.1° 9.4 11.0° 11.0 11.0°
<b>- 10</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	22.6 43.6° 25.2 43.6° 43.4° 43.4° 43.4° 43.4°	12.2 21.7 14.3 25.7° 22.7 27.1° 27.1 27.1°	7.7 13.5 8.5 17.1° 14.1 17.0° 17.0° 17.0°			6.1 9.5° 6.7 9.5° 9.3° 9.3° 9.3° 9.3°
<b>- 15</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	22.0 33.9° 24.6 33.9° 33.6° 33.6° 33.6° 33.6°	11.8 16.2° 13.0 16.2° 16.0 16.0° 16.0 16.0°				11.0 14.3° 12.1 14.3° 14.1° 14.1° 14.1° 14.1°

**Stick 8'**

	<b>10 ft</b>	<b>15 ft</b>	<b>20 ft</b>	<b>25 ft</b>	<b>30 ft</b>	
<b>30</b>	<b>Under-carriage</b>					
	Stabilizers raised	12.6°	12.6°			11.7° 11.7°
	Stabilizer blade down	12.6°	12.6°			11.7° 11.7°
	Blade + 2 pt. down 4 pt. outriggers down	12.6°	12.6°			15' 5"
<b>25</b>				9.6 12.5°		8.2 9.6°
	Stabilizers raised			10.4 12.5°		8.9 9.6°
	Stabilizer blade down			12.5° 12.5°		9.6° 9.6°
	Blade + 2 pt. down 4 pt. outriggers down			12.5° 12.5°		9.6° 9.6°
<b>20</b>				14.1° 14.1° 9.8 14.5°	6.3 9.8°	6.1 8.8°
	Stabilizers raised			14.1° 14.1° 10.6 14.5°	6.9 9.8°	6.7 8.8°
	Stabilizer blade down			14.1° 14.1° 14.5° 14.5°	9.8° 9.8°	8.8° 8.8°
	Blade + 2 pt. down 4 pt. outriggers down			14.1° 14.1° 14.5° 14.5°	9.8° 9.8°	8.8° 8.8°
<b>15</b>				21.8° 21.8° 14.5 18.9°	9.6 15.1 6.4 10.6	5.1 8.6°
	Stabilizers raised			21.8° 21.8° 15.8 18.9°	10.4 16.1° 7.0 13.8°	5.6 8.6°
	Stabilizer blade down			21.8° 21.8° 18.9° 18.9°	15.7 16.1° 11.1 13.8°	8.6° 8.6°
	Blade + 2 pt. down 4 pt. outriggers down			21.8° 21.8° 18.9° 18.9°	16.1° 16.1° 13.6 13.8°	8.6° 8.6°
<b>10</b>				24.8° 31.6° 13.9 22.3 9.4 14.7°	6.4 10.6	4.6 8.0
	Stabilizers raised			24.8° 31.6° 15.2 23.6° 10.2 17.5°	7.0 14.3°	5.1 8.7°
	Stabilizer blade down			24.8° 31.6° 23.1 23.5° 15.3 17.5°	11.1 14.2°	8.4 8.7°
	Blade + 2 pt. down 4 pt. outriggers down			31.6° 31.6° 23.5° 23.5° 17.5° 17.5°	13.4 14.2°	8.7° 8.7°
<b>5</b>				24.2 31.1° 13.6 21.8 9.3 14.6	6.1 10.4	4.4 7.8
	Stabilizers raised			26.4° 31.1° 14.9 25.7° 10.1 18.5°	6.7 14.5°	4.8 9.2°
	Stabilizer blade down			31.0° 31.0° 22.7 25.6° 15.2 18.4°	10.8 14.5°	8.1 9.2°
	Blade + 2 pt. down 4 pt. outriggers down			31.0° 31.0° 25.6° 25.6° 18.1° 18.4°	13.4 14.5°	9.2° 9.2°
<b>0</b>				23.8 36.1° 13.5 21.9 9.0 14.7	5.8 10.0	4.4 7.9
	Stabilizers raised			26.5 36.1° 14.7 25.8° 9.8 18.7°	6.4 14.6°	4.9 10.1°
	Stabilizer blade down			36.0° 36.0° 22.7 25.7° 15.3 18.5°	10.5 14.5°	8.3 10.1°
	Blade + 2 pt. down 4 pt. outriggers down			36.0° 36.0° 25.7° 25.7° 18.1 18.5°	13.1 14.5°	10.1° 10.1°
<b>- 5</b>				22.7 41.7° 12.8 22.4 8.3 14.2	5.4 9.6	4.8 8.6
	Stabilizers raised			25.3 41.7° 14.0 26.1° 9.1 18.9°	6.0 13.9°	5.3 10.8°
	Stabilizer blade down			41.6° 41.6° 23.3 26.0° 14.8 18.8°	10.0 13.8°	9.0 10.7°
	Blade + 2 pt. down 4 pt. outriggers down			41.6° 41.6° 26.0° 26.0° 18.6° 18.8°	12.7 13.8°	10.7° 10.7°
<b>- 10</b>				22.4 43.2° 12.3 21.8 7.7 13.5		5.7 9.3°
	Stabilizers raised			25.0 43.2° 13.5 27.2° 8.4 18.0°		6.3 9.3°
	Stabilizer blade down			42.9° 42.9° 22.8 27.0° 14.1 17.9°		9.2° 9.2°
	Blade + 2 pt. down 4 pt. outriggers down			42.9° 42.9° 27.0° 27.0° 17.9° 17.9°		9.2° 9.2°
<b>- 15</b>				22.0 37.1° 11.7 19.0°		9.4 12.4°
	Stabilizers raised			24.5 37.1° 12.9 19.0°		10.3 12.4°
	Stabilizer blade down			36.8° 36.8° 18.8 18.8°		12.2° 12.2°
	Blade + 2 pt. down 4 pt. outriggers down			36.8° 36.8° 18.8 18.8°		12.2° 12.2°

**Stick 8'8"**

	<b>Under-carriage</b>	<b>10 ft</b>	<b>15 ft</b>	<b>20 ft</b>	<b>25 ft</b>	<b>30 ft</b>	<b>ft in</b>
<b>30</b>	Stabilizers raised		12.9°, 12.9°				10.6°, 10.6°
	Stabilizer blade down		12.9°, 12.9°				10.6°, 10.6°
	Blade + 2 pt. down		12.9°, 12.9°				10.6°, 10.6°
	4 pt. outriggers down		12.9°, 12.9°				10.6°, 10.6°
<b>25</b>	Stabilizers raised			9.7, 12.2°			7.6, 8.8°
	Stabilizer blade down			10.5, 12.2°			8.3, 8.8°
	Blade + 2 pt. down			12.2°, 12.2°			8.8°, 8.8°
	4 pt. outriggers down			12.2°, 12.2°			8.8°, 8.8°
<b>20</b>	Stabilizers raised		12.7°, 12.7°	9.8, 13.4°	6.4, 10.6		5.8, 8.1°
	Stabilizer blade down		12.7°, 12.7°	10.6, 13.4°	7.0, 10.6°		6.4, 8.1°
	Blade + 2 pt. down		12.7°, 12.7°	13.4°, 13.4°	10.6°, 10.6°		8.1°, 8.1°
	4 pt. outriggers down		12.7°, 12.7°	13.4°, 13.4°	10.6°, 10.6°		8.1°, 8.1°
<b>15</b>	Stabilizers raised	16.1°, 16.1°	14.5, 16.4°	9.6, 15.0	6.5, 10.7		4.9, 7.9°
	Stabilizer blade down	16.1°, 16.1°	15.8, 16.4°	10.4, 15.7°	7.1, 13.5°		5.4, 7.9°
	Blade + 2 pt. down	16.1°, 16.1°	16.4°, 16.4°	15.7°, 15.7°	11.2°, 13.5°		7.9°, 7.9°
	4 pt. outriggers down	16.1°, 16.1°	16.4°, 16.4°	15.7°, 15.7°	13.5°, 13.5°		7.9°, 7.9°
<b>10</b>	Stabilizers raised	24.9°, 32.4°	13.9, 22.3	9.3, 14.7	6.5, 10.6		4.4, 7.7
	Stabilizer blade down	27.1	32.4°, 15.2	23.0°	10.2, 17.2°	7.0, 14.1°	4.8, 8.0°
	Blade + 2 pt. down	32.3°	32.3°, 23.0°	23.0°	15.3, 17.1°	11.1, 14.0°	8.0°, 8.0°
	4 pt. outriggers down	32.3°, 32.3°	23.0°, 23.0°	23.0°	17.1°, 17.1°	13.4°, 14.0°	8.0°, 8.0°
<b>5</b>	Stabilizers raised	24.1, 30.8°	13.5, 21.8	9.2, 14.5	6.2, 10.4		4.2, 7.5
	Stabilizer blade down	26.3, 30.8°	14.8, 25.4°	10.0, 18.3°	6.4, 14.4°		4.6, 8.4°
	Blade + 2 pt. down	30.8°, 30.8°	22.6°, 25.3°	15.1, 18.2°	10.9, 14.3°		7.8, 8.4°
	4 pt. outriggers down	30.8°, 30.8°	25.3°, 25.3°	18.0, 18.2°	13.3°, 14.3°		8.4°, 8.4°
<b>0</b>	Stabilizers raised	23.9, 35.2°	13.5, 21.7	9.0, 14.6	5.8, 10.0		4.2, 7.6
	Stabilizer blade down	26.3, 35.2°	14.7, 25.7°	9.8, 18.5°	6.4, 14.5°		4.7, 9.2°
	Blade + 2 pt. down	35.2°, 35.2°	22.6°, 25.5°	15.1°, 18.4°	10.5, 14.4°		7.9, 9.2°
	4 pt. outriggers down	35.2°, 35.2°	25.5°, 25.5°	18.0, 18.4°	13.1, 14.4°		9.2°, 9.2°
<b>- 5</b>	Stabilizers raised	22.7, 41.1°	12.7, 22.2	8.4, 14.3	5.4, 9.6		4.5, 8.2
	Stabilizer blade down	25.2, 41.1°	14.0, 25.9°	9.2, 18.7°	6.0, 14.2°		5.0, 10.5°
	Blade + 2 pt. down	40.9°, 40.9°	23.0°, 25.8°	14.9, 18.6°	10.1, 14.1°		6.6, 10.4°
	4 pt. outriggers down	40.9°, 40.9°	25.8°, 25.8°	18.3°, 18.3°	12.7, 14.1°		10.4°, 10.4°
<b>- 10</b>	Stabilizers raised	12.4, 22.0		7.7, 13.5			5.3, 9.2°
	Stabilizer blade down	13.7, 26.8°		8.5, 18.6°			5.9, 9.2°
	Blade + 2 pt. down	23.0, 26.6°		14.1, 18.5°			9.1°, 9.1°
	4 pt. outriggers down	26.6°, 26.6°		18.0, 18.5°			9.1°, 9.1°
<b>- 15</b>	Stabilizers raised	22.0, 39.6°	11.6, 21.0				8.2, 11.1°
	Stabilizer blade down	24.5, 39.6°	12.8, 21.3°				9.0, 11.1°
	Blade + 2 pt. down	39.3°, 39.3°	21.1, 21.1°				10.9°, 10.9°
	4 pt. outriggers down	39.3°, 39.3°	21.1, 21.1°				10.9°, 10.9°

**Stick 10'**

	<b>Under-carriage</b>	<b>10 ft</b>	<b>15 ft</b>	<b>20 ft</b>	<b>25 ft</b>	<b>30 ft</b>	<b>ft im</b>
<b>30</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down						8.8* 8.8* 8.8* 8.8* 18' 8' 8.8* 8.8* 8.8* 8.8*
<b>25</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down			9.9 11.0* 10.7 11.0* 11.0* 11.0* 11.0* 11.0*			6.9 7.5* 7.5* 7.5* 24* 7.5* 7.5* 7.5* 7.5*
<b>20</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down			9.9 11.6* 10.7 11.6* 11.6* 11.6* 11.6* 11.6*	6.6 10.4* 7.2 10.4* 10.4* 10.4* 10.4* 10.4*		5.3 6.9* 5.8 6.9* 6.9* 6.9* 6.9* 6.9*
<b>15</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	13.0* 13.0* 13.0* 13.0* 13.0* 13.0* 13.0* 13.0*	9.6 13.4* 10.4 13.4* 13.4* 13.4* 13.4* 13.4*	6.7 10.8 7.3 12.3* 11.2 12.3* 12.3* 12.3*			4.5 6.8* 5.0 6.8* 29' 6' 6.8* 6.8* 6.8* 6.8*
<b>10</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	25.1 33.2* 27.3 33.2* 33.2* 33.2* 33.2* 33.2*	13.9 21.9* 15.2 21.9* 21.9* 21.9* 21.9* 21.9*	9.3 14.7 10.1 16.6* 15.3* 16.5* 16.5* 16.5*	6.6 10.7 7.2 13.7* 11.1 13.6* 13.3* 13.6*	4.3 7.5 4.0 6.9* 4.5 8.6* 4.5 6.9* 8.6* 8.6* 6.9* 6.9* 8.6* 8.6* 6.9* 6.9*	30' 7*
<b>5</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	24.0 31.0* 26.2 31.0* 31.0* 31.0* 31.0* 31.0*	13.5 21.7 14.7 24.8* 22.5* 24.7* 24.7* 24.7*	9.1 14.4 9.9 17.9* 15.0* 17.9* 17.9* 17.9*	6.4 10.5 7.0 14.2* 11.0 14.1* 13.2 14.1*	4.1 7.4 3.8 7.0 4.6 10.0* 4.3 7.2* 7.7 10.0* 7.2* 7.2* 9.7 10.0* 7.2* 7.2*	30' 10*
<b>0</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	23.8 34.1* 26.0 34.1* 34.0* 34.0* 34.0* 34.0*	13.3 21.5 14.6 25.5* 22.4 25.3* 25.3* 25.3*	9.0 14.4* 9.8 18.4* 14.9* 18.2* 17.8 18.2*	6.0 10.1 6.6 14.3* 10.6 14.2* 13.2 14.2*	3.9 7.2 3.9 7.1 4.4 8.9* 4.3 7.9* 7.5 8.9* 7.4 7.9* 8.9* 8.9* 7.9 7.9*	30' 2*
<b>- 5</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	22.7 39.7* 25.3 39.7* 39.5* 39.5* 39.5* 39.5*	12.7 21.9* 14.0 25.6* 22.7* 25.5* 25.5* 25.5*	8.5 14.5* 9.3 18.5* 15.1 18.4* 18.0 18.4*	5.5 9.7 6.1 14.4* 10.2 14.4* 12.7* 14.4*	4.1 7.6 4.6 9.0* 7.9 9.0* 9.0* 9.0*	28' 8*
<b>- 10</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	12.3 21.9* 13.6 26.3* 23.0 26.1* 26.1* 26.1*	7.7 13.6 8.5 19.0* 14.2 18.9* 18.1 18.9*	5.2 9.3 5.8 11.7* 9.8 11.6* 11.6* 11.6*			4.8 8.7 5.3 9.1* 9.0* 9.0* 9.0* 9.0*
<b>- 15</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	22.1 42.7* 24.6 42.7* 42.5* 42.5* 42.5* 42.5*	11.6 21.0 12.8 24.5* 22.0 24.3* 24.3* 24.3*	7.3 12.6* 8.1 12.6* 12.5* 12.5* 12.5* 12.5*			6.7 9.3* 7.4 9.3* 21' 4* 9.1* 9.1* 9.1* 9.1*



**Height**  Can be slewed through 360°



#### In longitudinal position of undercarriage



 Max. reach \* Limited by hydr. capacity

The lift capacities on the load hook of the Liebherr quick coupler 48 without working tool are stated in lb x 1,000 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. The values apply when the adjusting cylinder is in the optimal position. Indicated loads comply with the ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity, or are limited by the permissible load of the load hook on the quick coupler (max. 26,500 lb). Without the quick coupler, lift capacities will increase by up to 500 lb.

# Lift Capacities

with Two-piece Boom 13'7" EW-Undercarriage

## Stick 7'5"

				10 ft	15 ft	20 ft	25 ft	30 ft		ft in
<b>30</b>			Stabilizers raised						13.0'	13.0'
			Stabilizer blade down						13.0'	13.0'
			Blade + 2 pt. down						13.0'	13.0'
			4 pt. outriggers down						13.0'	13.0'
<b>25</b>			Stabilizers raised						14' 1"	
			Stabilizer blade down							
			Blade + 2 pt. down							
			4 pt. outriggers down							
<b>20</b>			15.2° 15.2°	10.4	12.3°				9.7	10.4"
			15.2° 15.2°	11.2	12.3°				10.4"	10.4"
			15.2° 15.2°	12.3°	12.3°				10.4"	10.4"
			15.2° 15.2°	12.3°	12.3°				10.4"	10.4"
<b>15</b>			15.6° 15.6°	10.8	15.5°				7.2	9.6"
			15.6° 15.6°	11.6	15.5°				7.8	9.6"
			15.6° 15.6°	15.5°	15.5°				9.6"	24' 7"
			15.6° 15.6°	15.5°	15.5°				9.6"	9.6"
<b>10</b>			29.1 30.3	16.0	20.7	10.6	15.2	7.1	10.7	6.0
			30.3° 30.3°	17.2	20.7°	11.4	16.5°	7.7	14.1°	6.6
			30.3° 30.3°	20.7°	20.7°	16.5°	16.5°	12.2	14.0°	9.3"
			30.3° 30.3°	20.7°	20.7°	16.5°	16.5°	14.0	14.0°	9.3"
<b>5</b>			27.5 31.0	15.5	22.4	10.5	14.9	7.0	10.6	5.4
			29.9 31.0	16.8	24.1	11.2	17.8°	7.6	14.5°	5.9
			31.0° 31.0°	24.0	24.0°	16.7	17.8°	12.2	14.4°	9.5"
			31.0° 31.0°	24.0	24.0°	17.8°	17.8°	14.4°	14.4°	9.5"
<b>0</b>			27.0 31.4	15.2	22.1°	10.4	14.6	6.8	10.4	5.2
			29.4 31.4	16.3	25.9	11.2	18.7°	7.4	14.6°	5.7
			31.4 31.4	24.8	25.8°	16.6	18.6	11.9	14.6°	9.4
			31.4 31.4	25.8°	25.8°	18.7°	18.7°	14.5	14.6°	10.1°
<b>-5</b>			27.0 37.0	15.0	22.2	10.0	15.0	6.4	10.0	5.3
			29.7 37.0	16.3	26.0°	10.8	18.8°	7.0	14.8°	5.8
			36.9° 36.9°	24.9	25.8°	16.7°	18.7°	11.6	14.7°	9.6
			36.9° 36.9°	25.6	25.8°	18.7°	18.7°	14.5	14.7°	11.2°
<b>-10</b>			25.9 42.3	14.3	22.6	9.2	14.2	6.1	9.7	5.7
			28.8 42.3°	15.7	26.3°	10.0	19.1°	6.7	13.2°	6.3
			42.1° 42.1°	25.4	26.2°	16.4	19.0°	11.2	13.1°	10.5
			42.1° 42.1°	26.2°	26.2°	19.0°	19.0°	13.1	13.1°	11.0°
<b>-15</b>			25.7 43.6	13.7	21.9	8.6	13.6			6.8
			28.6 43.6°	15.0	27.2°	9.4	17.1°			7.5
			43.4° 43.4°	25.5	27.1°	15.7	17.0°			9.3"
			43.4° 43.4°	27.1°	27.1°	17.0°	17.0°			9.3"
<b>0</b>			25.1 33.9	13.2	16.2°					12.4
			28.0 33.9	14.5	16.2°					14.3"
			33.6° 33.6°	16.0	16.0°					13.6
			33.6° 33.6°	16.0	16.0°					14.1"
			33.6° 33.6°	16.0	16.0°					14.1"

## Stick 8'8"

				10 ft	15 ft	20 ft	25 ft	30 ft		ft in
<b>30</b>			Stabilizers raised						10.6"	10.6"
			Stabilizer blade down						10.6"	10.6"
			Blade + 2 pt. down						10.6"	10.6"
			4 pt. outriggers down						10.6"	10.6"
<b>25</b>			Stabilizers raised						12.2°	8.8"
			Stabilizer blade down						8.8"	8.8"
			Blade + 2 pt. down						8.8"	8.8"
			4 pt. outriggers down						8.8"	8.8"
<b>20</b>			12.7° 12.7°	10.8	13.4°	7.1	10.6°		6.5	8.1"
			12.7° 12.7°	11.6	13.4°	7.7	10.6°		7.0	8.1"
			12.7° 12.7°	13.4°	13.4°	10.6°	10.6°		8.1"	8.1"
			12.7° 12.7°	13.4°	13.4°	10.6°	10.6°		8.1"	8.1"
<b>15</b>			16.1° 16.1°	16.4° 16.4°	10.6	15.1	7.2	10.8°		5.5
			16.1° 16.1°	16.4° 16.4°	14.7	15.7	7.9	13.5°		7.9"
			16.1° 16.1°	16.4° 16.4°	15.7	15.7	12.3	13.5°		6.0
			16.1° 16.1°	16.4° 16.4°	15.7	15.7	13.5	13.5°		28° 2°
<b>10</b>			27.5° 32.4°	15.4	22.4	10.3	14.8	7.2	10.7	4.9
			29.9° 32.4°	16.6	23.0°	11.1	17.2°	7.8	14.1°	5.4
			32.3° 32.3°	23.0°	23.0°	16.6	17.1°	12.2	14.0°	8.0"
			32.3° 32.3°	23.0°	23.0°	17.1°	17.1°	14.0	14.0°	8.0"
<b>5</b>			26.8° 30.8°	15.0	21.9	10.2	14.6	6.9	10.5	4.7
			29.1° 30.8°	16.2	25.4°	11.0	18.3°	7.5	14.4°	5.2
			30.8° 30.8°	24.6	25.3°	16.4	18.2°	12.0	14.3°	8.4"
			30.8° 30.8°	25.3	25.3°	18.2°	18.2°	14.3	14.3°	8.4"
<b>0</b>			26.8 35.2°	15.0	21.9°	9.9	14.7	6.5	10.1	4.8
			29.2° 35.2°	16.2	25.7°	10.8	18.5°	7.1	14.5°	5.3
			35.2° 35.2°	24.6	25.6°	16.4	18.4°	11.6	14.4°	9.2"
			35.2° 35.2°	25.5° 25.5°	18.4°	18.4°	14.3	14.4°	9.2"	29°
<b>-5</b>			25.8 41.1°	14.3	22.3	9.3	14.4	6.1	9.7	5.1
			28.7 41.1°	15.6	25.9°	10.2	18.7°	6.7	14.2°	5.7
			40.9° 40.9°	25.0	25.8°	16.6	18.6°	11.2	14.1°	9.6
			40.9° 40.9°	25.8°	25.8°	18.6°	18.6°	14.1	14.1°	10.4"
<b>-10</b>			13.9 22.1	8.6	13.6				6.0	9.2"
			15.2 26.8°	9.4	18.6°				6.7	9.2"
			25.6 26.6°	15.8	18.5°				9.1"	9.1"
			26.6° 26.6°	18.5°	18.5°				9.1"	9.1"
<b>-15</b>			25.1 39.6°	13.1	21.2				9.2	11.1"
			27.9 39.6°	14.4	21.3°				10.1	11.1"
			39.3° 39.3°	21.1	21.1°				10.9	10.9"
			39.3° 39.3°	21.1	21.1°				10.9	10.9"

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

Max. reach \* Limited by hydr. capacity

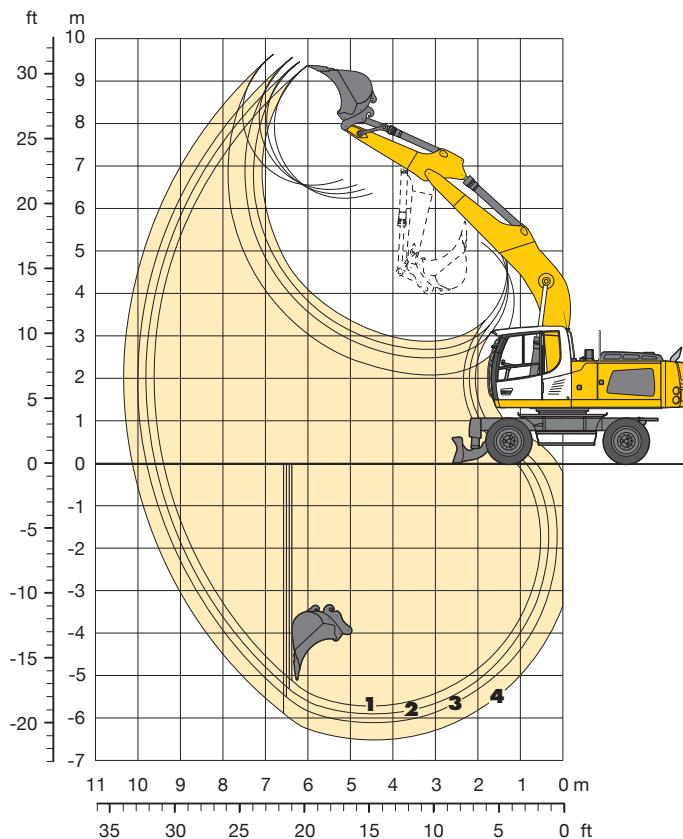
The lift capacities on the load hook of the Liebherr quick coupler 48 without working tool are stated in lb x 1,000 and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities 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. The values apply when the adjusting cylinder is in the optimal position. Indicated loads comply with the ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity, or are limited by the permissible load of the load hook on the quick coupler (max. 26,500 lb). Without the quick coupler, lift capacities will increase by up to 500 lb.

## Stick 8'

				10 ft	15 ft	20 ft	25 ft	30 ft		ft in
<b>30</b>			Stabilizers raised						12.6°	11.7"
			Stabilizer blade down						12.6°	11.7"
			Blade + 2 pt. down						12.6°	11.7"
			4 pt. outriggers down						12.6°	11.7"
<b>25</b>			Stabilizers raised						10.5	12.5"
			Stabilizer blade down						10.5	12.5"
			Blade + 2 pt. down						10.5	12.5"
			4 pt. outriggers down						10.5	12.5"
<b>20</b>			14.1° 14.1°	10.8	14.5°	7.0	9.8"		6.8	8.8"
			14.1° 14.1°	11.6	14.5°	7.6	9.8"		7.4	8.8"
			14.1° 14.1°	14.5°	14.5°	9.8"	9.8"		8.8"	8.8"
			14.1° 14.1°	14.5°	14.5°	9.8"	9.8"		8.8"	8.8"
<b>15</b>			21.8° 21.8°	16.1	18.9	10.6	12.5	7.2	10.7	6.3
			21.8° 21.8°	18.9	18.9	11.6	13.8°	7.8	13.8°	6.3
			21.8° 21.8°	18.9	18.9	11.6	13.8°	7.8	13.8°	6.3
			21.8° 21.8°	18.9	18.9	11.6	13.8°	7.8	13.8°	6.3
<b>10</b>			27.5 31.6	16.3	23.6	11.2	17.5	7.7	14.3°	5.7
			31.6° 31.6°	23.6	23.6	12.2	17.5	12.2	14.2°	5.7
			31.6° 31.6°	23.6	23.6	17.5	17.5	14.2	14.2°	5.7
			31.6° 31.6°	23.6	23.6	17.5	17.5	14.2	14.2°	5.7
<b>0</b>			29.3 31.1	16.3	25.9	11.1	18.9	7.5	14.5°	5.4
			31.0° 31.0°	24.7	25.6	10.4	14.8	7.1	10.7	5.4
			31.0° 31.0°	25.6	25.6	10.4	14.8	7.1	10.7	5.4
			31.0° 31.0°	25.6	25.6	10.4	14.8	7.1	10.7	5.4
<b>-5</b>			29.5 36.1	16.3	25.8	10.8	18.7	7.1	14.6°	5.5
			36.0° 36.0°	24.7						

# Backhoe Bucket

with Mono Boom 18'6"



## Digging Envelope

with Quick Coupler

	1	2	3	4	
Stick length	ft in	7' 5"	8'	8'8"	10'
Max. digging depth	ft in	18' 8"	19'4"	20'	21'4"
Max. reach at ground level	ft in	30'10"	31'6"	32'2"	33'4"
Max. dumping height	ft in	20'10"	21'2"	21'6"	22'
Max. teeth height	ft in	30' 8"	31'	31'4"	31'8"
Min. attachment radius	ft in	12'10"	12'2"	11'4"	10'4"

## Digging Forces

without Quick Coupler

	1	2	3	4	
Max. digging force (ISO 6015)	lbf	28,663	26,955	25,471	22,931
	lb	28,700	26,900	25,400	22,900

Max. breakout force (ISO 6015)

lbf

lb

Max. breakout force with ripper bucket

40,466 lbf (41,900 lb)

Max. possible digging force (stick 5'7")

34,755 lbf (34,800 lb)

## Operating Weight

The operating weight includes the basic machine with 8 tires plus intermediate rings, mono boom 18'6", stick 8', quick coupler 48 and bucket 49.2"/1.50 yd<sup>3</sup>.

Undercarriage versions	Weight
A 924 Litronic with stabilizer blade	50,900 lb
A 924 Litronic with stabilizer blade + 2 pt. outriggers	54,700 lb
A 924 Litronic with 4 pt. outriggers	55,300 lb
A 924 EW Litronic with stabilizer blade	51,400 lb
A 924 EW Litronic with stabilizer blade + 2 pt. outriggers	55,600 lb
A 924 EW Litronic with 4 pt. outriggers	56,400 lb

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

Cutting width in	Capacity ISO 7451) in yd <sup>3</sup>	Weight lb	Stabilizers raised			Stabilizer blade down			Stabilizer blade + 2 pt. outr. down			4 point outriggers down			EW Stabilizers raised			EW Stabilizer blade down			EW Stabilizer blade + 2 pt. outr. down			EW 4 point outriggers down			
			7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	
33.5" <sup>2)</sup>	0.98	1,367	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
41.3" <sup>2)</sup>	1.24	1,565	□	□	□	△	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
49.2" <sup>2)</sup>	1.50	1,786	△	△	△	■	□	□	△	□	□	□	□	□	□	□	□	△	△	□	□	□	□	□	□	□	□
55.1" <sup>2)</sup>	1.77	1,874	■	■	■	■	▲	△	■	□	□	□	□	□	□	□	□	△	△	■	□	△	△	□	□	□	□
59.1" <sup>2)</sup>	1.90	1,940	■	■	■	■	▲	▲	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
33.5" <sup>3)</sup>	0.98	1,521	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
41.3" <sup>3)</sup>	1.24	1,764	□	□	□	△	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
49.2" <sup>3)</sup>	1.50	2,006	△	△	■	■	□	△	△	■	□	□	□	□	□	□	□	△	△	△	□	□	□	□	□	□	□
55.1" <sup>3)</sup>	1.77	2,116	■	■	■	■	▲	△	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
59.1" <sup>3)</sup>	1.90	2,205	■	▲	▲	▲	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
33.5" <sup>4)</sup>	1.05	1,389	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
41.3" <sup>4)</sup>	1.37	1,587	□	□	△	△	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
49.2" <sup>4)</sup>	1.70	1,764	△	■	■	■	△	△	■	□	□	□	□	□	□	□	□	△	△	△	□	□	□	□	□	□	□
55.1" <sup>4)</sup>	1.96	1,918	■	▲	▲	▲	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
59.1" <sup>4)</sup>	2.16	1,962	▲	▲	▲	▲	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

\* Indicated loads are based on ISO 10567 and do not exceed 75 % of tipping or 87 % of hydraulic capacity, max. stick length without quick coupler, lifted 360° on firm with blocked oscillating axle

<sup>1)</sup> comparable with SAE (heaped)

<sup>2)</sup> Bucket with teeth

<sup>3)</sup> Bucket with teeth in HD-version

<sup>4)</sup> Bucket with cutting edge (also available in HD-version)

Max. material weight □ = ≤ 3,034 lb/yd<sup>3</sup>, △ = ≤ 2,528 lb/yd<sup>3</sup>, ■ = ≤ 2,023 lb/yd<sup>3</sup>, ▲ = not authorized

# **Lift Capacities**

## **with Mono Boom 18'6"**

### **Stick 7'5"**

	<b>Under- carriage</b>	<b>10 ft</b>	<b>15 ft</b>	<b>20 ft</b>	<b>25 ft</b>	<b>30 ft</b>	 ft in
<b>30</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down						9,9* 9,9* 9,9* 9,9* 9,9*
<b>25</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down						9,9* 9,9* 9,9* 9,9* 9,9*
<b>20</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down			9.4 14,1* 10,2 14,1* 14,1* 14,1* 14,1* 14,1*			7,3 9,3* 7,9 9,3* 9,3* 9,3* 9,3* 9,3*
<b>15</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down			9,0 14,9 9,8 15,4* 15,4* 15,4* 15,4* 15,4*	6,2 10,3 6,8 10,9* 10,8 10,9* 10,9 10,9*		6,0 9,3* 6,5 9,3* 9,3* 9,3* 23' 1"
<b>10</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	12,6 22,0 13,8 22,9* 22,8* 22,8* 22,8* 22,8*	8,4 14,2 9,1 17,6* 14,8 17,5* 17,5* 17,5*	5,9 10,1 6,5 15,1* 10,5 15,0* 13,1 15,0*			5,3 9,1 5,8 9,7* 9,5 9,7* 26' 8"
<b>5</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	11,3 20,5 12,5 21,7* 21,4 26,9* 26,9* 26,9*	7,7 13,5 8,5 19,7* 14,0 19,5* 17,8 19,5*	5,6 9,7 6,2 16,0* 10,1 15,9* 12,7 15,9*			5,0 8,7 5,5 10,6* 9,1 10,6* 26' 11"
<b>0</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	13,9* 13,9* 13,9* 13,9* 13,9* 13,9* 13,9* 13,9*	10,7 19,8 11,9 28,8* 20,6 28,6* 27,2 28,6*	7,3 13,0 6,0 20,9* 13,5 20,8* 17,3 20,8*	5,4 9,5 6,0 16,5* 9,9 16,4* 12,5 16,4*		5,1 8,9 5,6 12,3* 9,3 12,3* 26' 1"
<b>- 5</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	19,3 24,8* 21,7 24,8* 24,8* 24,8* 24,8* 24,8*	10,6 19,6 11,7 28,2* 20,5 28,0* 27,0 28,0*	7,2 12,8 7,9 20,8* 13,4 20,6* 17,1 20,6*			5,6 9,8 6,2 15,6* 10,3 15,6* 13,0 15,6*
<b>- 10</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	19,8 35,2* 22,2 35,2* 34,9* 34,9* 34,9* 34,9*	10,8 19,9 11,9 25,2* 20,7 25,0* 25,0* 25,0*	7,3 13,0 8,1 18,4* 13,5 18,3* 17,3 18,3*			6,9 12,1 7,6 17,1* 12,6 17,0* 16,0 17,0*
<b>- 15</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down						21'

**Stick 8'**

	<b>Under-carriage</b>	<b>10 ft</b>	<b>15 ft</b>	<b>20 ft</b>	<b>25 ft</b>	<b>30 ft</b>	
<b>30</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down						 ft in
<b>25</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down			9.2*, 9.2* 9.2*, 9.2* 9.2*, 9.2* 9.2*, 9.2*			9.1*, 9.1* 9.1*, 9.1* 9.1*, 9.1* 9.1*, 9.1*
<b>20</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down			9.5, 13.5* 10.3, 13.5* 13.5*, 13.5* 13.5*, 13.5*			6.9, 8.5* 7.5, 8.5* 8.5*, 8.5* 8.5*, 8.5*
<b>15</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down			9.0, 14.9 9.8, 14.9* 14.9*, 14.9*	6.2 6.8, 6.8 11.7*, 11.7*	10.4 11.7*, 11.7*	5.7, 8.5* 6.2, 8.5* 8.5*, 8.5*
<b>10</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	18.1*, 18.1* 18.1*, 18.1* 18.1*, 18.1* 18.1*, 18.1*	12.6, 22.1 13.9, 22.2* 22.1*, 22.1* 22.1*, 22.1*	8.4, 14.2 9.1, 17.1* 14.8, 17.0* 17.0, 17.0*	5.9 6.5, 14.7* 10.5, 14.7* <td>10.0 11.7*, 14.7*</td> <td>5.1, 8.7 5.6, 8.9* 8.9*, 8.9* 8.9*, 8.9*</td>	10.0 11.7*, 14.7*	5.1, 8.7 5.6, 8.9* 8.9*, 8.9* 8.9*, 8.9*
<b>5</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down		11.3, 20.5 12.5, 26.5* 21.4, 26.4* 26.4, 26.4*	7.7, 13.4 8.5, 19.3* 14.0, 19.2* 17.8, 19.2*	5.6 6.1, 15.8* 10.1, 15.7* <td>9.7 12.7, 15.7*</td> <td>4.8, 8.4 5.3, 9.7* 8.7, 9.7* 9.7, 9.7*</td>	9.7 12.7, 15.7*	4.8, 8.4 5.3, 9.7* 8.7, 9.7* 9.7, 9.7*
<b>0</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	14.3*, 14.3* 14.3*, 14.3* 14.3*, 14.3* 14.3*, 14.3*	10.6, 19.7 11.8, 28.5* 20.6, 28.3* 27.1, 28.3*	7.3, 12.9 8.0, 20.7* 13.5, 20.5* 17.2, 20.5*	5.3, 9.4 5.9, 16.4* <td>9.4 10.1, 16.3*<td>4.8, 8.6 5.4, 11.1* 8.9, 11.1* 11.1*, 11.1*</td></td>	9.4 10.1, 16.3* <td>4.8, 8.6 5.4, 11.1* 8.9, 11.1* 11.1*, 11.1*</td>	4.8, 8.6 5.4, 11.1* 8.9, 11.1* 11.1*, 11.1*
<b>- 5</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down		19.0, 23.8* 21.4, 23.8* 23.8*, 23.8* 23.8*, 23.8*	10.4, 19.5 11.6, 28.2* 20.3, 28.0* 26.8, 28.0*	7.1, 12.7 7.8, 20.8* 13.2, 20.6* <td>7.1 8.0, 20.6*</td> <td>5.3, 9.4 5.8, 13.8* 9.8, 13.8* 12.4, 13.8*</td>	7.1 8.0, 20.6*	5.3, 9.4 5.8, 13.8* 9.8, 13.8* 12.4, 13.8*
<b>- 10</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down		19.5, 36.3* 21.9, 36.3* 36.0*, 36.0* 36.0*, 36.0*	10.6, 19.7 11.8, 25.7* <td>7.2, 12.8 7.9, 18.8*<td>7.2, 12.8 7.9, 18.8*<td>6.4, 11.4 7.1, 16.6* 11.9, 16.5* 15.1, 16.5*</td></td></td>	7.2, 12.8 7.9, 18.8* <td>7.2, 12.8 7.9, 18.8*<td>6.4, 11.4 7.1, 16.6* 11.9, 16.5* 15.1, 16.5*</td></td>	7.2, 12.8 7.9, 18.8* <td>6.4, 11.4 7.1, 16.6* 11.9, 16.5* 15.1, 16.5*</td>	6.4, 11.4 7.1, 16.6* 11.9, 16.5* 15.1, 16.5*
<b>- 15</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down		11.2, 19.3* 12.4, 19.3* 19.1*, 19.1* 19.1*, 19.1*	12.5, 25.5* <td>13.4, 18.7*<td>17.1, 18.7*</td><td>9.7, 16.7* 10.7, 16.7* 16.6*, 16.6* 16.6*, 16.6*</td></td>	13.4, 18.7* <td>17.1, 18.7*</td> <td>9.7, 16.7* 10.7, 16.7* 16.6*, 16.6* 16.6*, 16.6*</td>	17.1, 18.7*	9.7, 16.7* 10.7, 16.7* 16.6*, 16.6* 16.6*, 16.6*

## **Stick 8'8"**

		<b>10 ft</b>	<b>15 ft</b>	<b>20 ft</b>	<b>25 ft</b>	<b>30 ft</b>	 ft in
	<b>Under-carriage</b>						
<b>30</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down						8.4* 8.4* 8.4* 8.4* 20'11"
<b>25</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down						8.4* 8.4* 8.4* 8.4* 8.4* 8.4*
<b>20</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down						6.5 7.9* 7.1 7.9* 7.9* 7.9* 7.9* 7.9*
<b>15</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down			9.1 14.4* 6.2 10.4 9.9 14.4* 6.8 11.9* 14.4* 14.4* 10.8 11.9* 14.4* 14.4* 11.9* 11.9*			5.4 7.8* 6.0 7.8* 7.8* 7.8* 7.8* 7.8*
<b>10</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	22.3 27.2* 24.8 27.2* 27.2* 27.2*	12.7 21.4* 14.0 21.4* 21.3* 21.3*	8.4 14.2 5.9 10.0 9.2 16.6* 6.5 14.4* 14.8 16.6* 10.5 14.3* 16.6* 16.6* 13.1 14.3*			4.8 8.1* 5.3 8.1* 8.1* 8.1* 8.1* 8.1*
<b>5</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down			11.4 20.6 7.7 13.4 5.5 9.6 12.5 25.9* 8.5 18.9* 6.1 15.5* 21.5 25.8* 14.0 18.8* 10.1 15.4* 25.8* 25.8* 17.8 18.8* 12.7 15.4*			4.6 8.1 5.1 8.6* 8.4 8.6* 8.8* 8.8*
<b>0</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down			14.6* 14.6* 10.6 19.7 7.2 12.9 5.3 9.4 14.6* 14.6* 11.7 28.3* 8.0 20.4* 5.8 16.2* 14.6* 14.6* 20.5 28.1* 13.4 20.3* 9.8 16.1* 14.6* 14.6* 27.1 28.1* 17.2 20.3* 12.3 16.1*			4.6 8.2 5.1 10.0* 8.6 10.0* 10.0* 10.0*
<b>- 5</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down			18.8 22.9* 10.3 19.4 7.0 12.6 5.2 9.2 21.2 22.9* 11.5 28.3* 7.7 20.7* 5.7 16.0* 22.9 22.9* 20.2 28.1* 13.2 20.6* 9.6 15.9* 22.9* 22.9* 26.7 28.1* 16.9 20.6* 12.2 15.9*			5.0 8.9 5.5 12.3* 9.3 12.3* 11.8 12.3*
<b>- 10</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down			19.2 34.9* 10.4 19.5 7.0 12.7 21.6 34.9* 11.6 26.0* 7.8 19.1* 34.9* 34.9* 20.3 25.8* 13.2 19.0* 34.9* 34.9* 25.8* 25.8* 17.0 19.0*			6.0 10.7 6.7 16.1* 11.2 16.0* 14.2 16.0*
<b>- 15</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down			11.0 20.1 12.1 20.3* 20.2* 20.2* 20.2* 20.2*			8.8 15.6 9.7 16.4* 16.3* 16.3* 16.3* 16.3*

**Stick 10'**

	<b>Under-carriage</b>	<b>10 ft</b>	<b>15 ft</b>	<b>20 ft</b>	<b>25 ft</b>	<b>30 ft</b>	 ft in
<b>30</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down						7,1* 7,1*
<b>25</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down						7,1* 7,1* 22' 5"
<b>20</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down				6,4 8,3*		6,0 6,7* 25'10"
<b>15</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down			9,2 13,4* 6,2 10,4			5,0 6,7*
<b>10</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	23,4 30,7* 13,0 19,8*	8,5 14,3 5,9 10,1	10,0 13,4* 6,8 11,3*	9,3 15,7* 6,5 13,7*	8,3* 8,3*	5,5 6,7* 6,7* 6,7* 27'11"
<b>5</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	30,6* 30,6* 19,7* 19,7*	14,9 15,7* 10,5 13,6*	13,4* 13,4* 11,3* 11,3*	13,4* 13,4* 11,3* 11,3*		4,5 7,0* 5,0 7,0* 7,0* 7,0* 29'
<b>0</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	30,6* 30,6* 19,7* 19,7*	15,7* 15,7* 13,1 13,6*	15,7* 15,7* 13,1 13,6*			4,2 7,5* 4,7 7,5* 7,5* 7,5* 28' 6"
<b>- 5</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	20,8 22,1* 11,3 28,3*	7,6 20,6* 5,6 16,0*	10,6 19,7 7,2 12,8	7,7 13,5 5,5 9,6	5,2 9,0 6,1 15,0*	4,6 8,3 5,1 10,3* 8,6 10,3* 26'10"
<b>- 10</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	22,1* 22,1* 20,1 28,1*	13,0 20,5* 9,5 15,9*	12,6 28,1* 16,8 20,5*	12,5 25,5 12,1 15,9*		5,4 9,7 6,0 14,0* 10,1 14,0* 24'
<b>- 15</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	19,5 31,6* 10,6 19,7	11,4 26,7* 7,6 19,6*	21,2 31,7* 20,1 26,5*	19,5* 26,5* 26,5* 16,7	12,0 25,5 12,9 14,0*	7,5 13,4 8,3 16,1* 13,9 16,0* 19' 6"



### Height



Can be slewed through 360°



#### In longitudinal position of undercarriage



#### Max. reach

\* Limited by hydr. capacity

The lift capacities on the load hook of the Liebherr quick coupler 48 without working tool are stated in lb x 1,000 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, or are limited by the permissible load of the load hook on the quick coupler (max. 26,500 lb). Without the quick coupler, lift capacities will increase by up to 500 lb.

# Lift Capacities

### **with Mono Boom 18'6" EW-Undercarriage**

**Stick 7'5"**

	<b>Under-carriage</b>	<b>10 ft</b>	<b>15 ft</b>	<b>20 ft</b>	<b>25 ft</b>	<b>30 ft</b>	
<b>30</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down						 ft in
<b>25</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down						9.9* 9.9* 9.9* 9.9* 9.9* 9.9* 9.9* 9.9*
<b>20</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down			10.4 14.1* 11.2 14.1* 14.1* 14.1* 14.1* 14.1*			8.1 9.3* 8.7 9.3* 9.3* 9.3* 9.3* 9.3*
<b>15</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down			10.0 15.0 10.8 15.4* 15.4* 15.4* 15.4* 15.4*	6.9 10.4 7.5 10.9* 10.9* 10.9* 10.9* 10.9*		6.6 9.3* 7.2 9.3* 9.3* 9.3* 9.3* 9.3*
<b>10</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	14.0 22.1 15.3 22.9* 22.8* 22.8* 22.8* 22.8*	9.3 14.3 10.1 17.6* 16.4 17.5* 17.5* 17.5*	6.6 10.1 7.2 15.1* 11.6 15.0* 14.6 15.0*			5.9 9.1 6.5 9.7* 9.7* 9.7* 9.7* 9.7*
<b>5</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	12.8 20.7 14.0 27.1* 24.2 26.9* 26.9* 26.9*	8.7 13.6 9.5 19.7* 15.7 19.5* 19.5* 19.5*	6.3 9.8 6.9 16.0* 11.3 15.9* 14.2 15.9*			5.6 8.8 6.2 10.6* 10.1 10.6* 10.6* 10.6*
<b>0</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	13.9* 13.9* 13.9* 13.9* 13.9* 13.9* 13.9* 13.9*	12.1 20.0 13.4 28.8* 23.4 28.6* 28.6* 28.6*	8.2 13.1 9.0 20.9* 15.2 20.8* 19.4 20.8*	6.1 9.6 6.7 16.5* 11.0 16.4* 13.9 16.4*		5.7 9.0 6.3 13.3* 10.4 12.3* 12.3* 12.3*
<b>- 5</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	22.2 24.8* 24.8* 24.8* 24.8* 24.8* 24.8* 24.8*	12.0 19.8 13.2 28.2* 23.2 28.0* 28.0* 28.0*	8.1 12.9 8.9 20.8* 15.0 20.6* 19.2 20.6*			6.3 9.9 6.9 15.6* 11.4 15.6* 14.5 15.6*
<b>- 10</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	22.7 35.2* 25.4 35.2* 34.9* 34.9* 34.9* 34.9*	12.2 20.0 13.4 25.2* 23.4 25.0* 25.0* 25.0*	8.2 13.1 9.0 18.4* 15.1 18.3* 18.3* 18.3*			7.7 12.2 8.5 17.1* 14.1 17.0* 17.0* 17.0*
<b>- 15</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down						

**Stick 8'**

 ft	10 ft	15 ft	20 ft	25 ft	30 ft	 ft in
<b>Under-carriage</b>						
Stabilizers raised						
<b>30</b>	Stabilizer blade down					
Blade + 2 pt. down						
4 pt. outriggers down						
<b>25</b>	Stabilizers raised			9.2*	9.2*	
Stabilizer blade down				9.2*	9.2*	
Blade + 2 pt. down				9.2*	9.2*	
4 pt. outriggers down				9.2*	9.2*	
<b>20</b>	Stabilizers raised			10.5	13.5*	
Stabilizer blade down				11.3	13.5*	
Blade + 2 pt. down				13.5*	13.5*	
4 pt. outriggers down				13.5*	13.5*	
<b>15</b>	Stabilizers raised			10.0	14.9*	6.9
Stabilizer blade down				10.8	14.9*	7.5
Blade + 2 pt. down				14.9*	14.9*	11.7*
4 pt. outriggers down				14.9*	14.9*	11.7*
<b>10</b>	Stabilizers raised	18.1*	18.1*	14.1	22.2*	9.3
Stabilizer blade down	18.1*	18.1*	15.4	22.2*	10.1	17.1*
Blade + 2 pt. down	18.1*	18.1*	22.1*	22.1*	16.4	17.0*
4 pt. outriggers down	18.1*	18.1*	22.1*	22.1*	17.0*	17.0*
<b>5</b>	Stabilizers raised			12.8	20.7	8.6
Stabilizer blade down				14.0	26.5*	9.5
Blade + 2 pt. down				24.2	26.4*	15.6
4 pt. outriggers down				26.4*	26.4*	19.2*
<b>0</b>	Stabilizers raised	14.3*	14.3*	12.1	19.9	8.2
Stabilizer blade down	14.3*	14.3*	13.8	28.5*	9.0	20.7*
Blade + 2 pt. down	14.3*	14.3*	23.3	28.3*	15.1	20.5*
4 pt. outriggers down	14.3*	14.3*	28.3*	28.3*	19.4	20.5*
<b>- 5</b>	Stabilizers raised	22.0	23.8*	11.9	19.7	8.0
Stabilizer blade down	23.8*	23.8*	13.1	28.2*	8.8	20.8*
Blade + 2 pt. down	23.8*	23.8*	23.0	28.0*	14.9	20.6*
4 pt. outriggers down	23.8*	23.8*	28.0*	28.0*	19.1	20.6*
<b>- 10</b>	Stabilizers raised	22.4	36.3*	12.0	19.8	8.1
Stabilizer blade down	25.1	36.3*	13.3	25.7*	7.9	18.8*
Blade + 2 pt. down	36.0*	36.0*	23.2	25.5*	15.0	18.7*
4 pt. outriggers down	36.0*	36.0*	25.5*	25.5*	18.7*	18.7*
<b>- 15</b>	Stabilizers raised			12.6	19.3*	
Stabilizer blade down				13.9	19.3*	
Blade + 2 pt. down				19.1*	19.1*	
4 pt. outriggers down				19.1*	19.1*	

**Stick 8'8"**

 ft	<b>Under-carriage</b>	<b>10 ft</b>	<b>15 ft</b>	<b>20 ft</b>	<b>25 ft</b>	<b>30 ft</b>	 ft in
<b>30</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down						8.4* 8.4*
<b>25</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down						8.4* 8.4* 20'11"
<b>20</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down						7.3* 7.9* 7.9* 7.9* 7.9* 24' 7"
<b>15</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down			10.0 14.4* 6.9 10.5			6.1 7.8* 26'10"
<b>10</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	25.4 27.2*	14.2 21.4*	9.3 14.3 6.6 10.1			5.4 8.1* 8.1* 27'11"
<b>5</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	27.2* 27.2*	15.5 21.4*	10.1 16.6* 7.2 14.4*			5.7 8.8* 8.8* 28' 1"
<b>0</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	14.6* 14.6*	12.0 19.8	8.1 13.0 5.9 9.4			5.2 8.3 8.3 10.0* 27' 5"
<b>- 5</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	14.6* 14.6*	14.6 23.2	8.9 20.4* 6.5 16.2*			6.2 12.3* 12.3* 10.0* 10.0* 25' 7"
<b>- 10</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	21.7 22.9*	11.7 19.5	7.9 12.7 5.8 9.3			6.8 10.8 16.1* 16.0* 22' 7"
<b>- 15</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	22.1 34.9*	11.8 19.7	8.0 12.8			7.5 10.8 13.0 16.3* 16.3* 17'10"

**Stick 10'**

		10 ft	15 ft	20 ft	25 ft	30 ft	
	<b>Under-carriage</b>						
<b>30</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down						
<b>25</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down						7.1* 7.1* 7.1* 7.1* 7.1* 7.1* 7.1* 7.1*
<b>20</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down				7.1 8.3* 7.8 8.3* 8.3* 8.3* 8.3* 8.3*	6.7 6.7* 6.7* 6.7* 6.7* 6.7* 6.7* 6.7*	5.6 6.7* 7.1* 7.1* 7.1* 7.1* 22' 5"
<b>15</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down			10.1 13.4* 11.0 13.4* 13.4* 13.4* 13.4* 13.4*	6.6 10.5 7.6 11.3* 11.3* 11.3* 11.3* 11.3*	5.6 6.7* 6.1 6.7* 6.7* 6.7* 6.7* 6.7*	27'11"
<b>10</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	26.6 30.7* 29.5 30.7* 30.6* 30.6* 30.6* 30.6*	14.5 19.8* 15.8 19.8* 19.7* 19.7* 19.7* 19.7*	9.4 14.4 10.2 15.7* 15.7* 15.7* 15.7* 15.7*	6.6 10.1 7.2 13.7* 11.7 13.6* 13.6* 13.6*	5.1 7.0* 5.5 7.0* 7.0* 7.0* 7.0* 7.0*	7.0* 29'
<b>5</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	14.3* 14.3* 14.3* 14.3* 14.3* 14.3* 14.3* 14.3*	13.0 21.0 14.2 24.7* 24.6* 24.6* 24.6* 24.6*	8.7 13.6 9.5 18.2* 15.7 18.1* 18.1* 18.1*	6.2 9.7 6.8 15.0* 11.2 14.9* 14.1 14.9*	4.8 7.5* 5.3 7.5* 7.5* 7.5* 7.5* 7.5*	29' 2"
<b>0</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	15.7* 15.7* 15.7* 15.7* 15.7* 15.7* 15.7* 15.7*	12.0 19.8 13.2 27.7* 23.3* 27.5* 27.5* 27.5*	8.1 13.0 8.9 20.0* 15.0 19.9* 19.3 19.9*	5.9 9.4 6.5 15.9* 10.8 15.8* 13.8 15.8*	4.8 7.7 5.3 8.5* 8.5* 8.5* 8.5* 8.5*	28' 6"
<b>- 5</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	21.4 22.1* 22.1* 22.1* 22.1* 22.1* 22.1* 22.1*	11.6 19.4 12.8 28.3* 28.1* 28.1* 28.1* 28.1*	7.8 12.6 8.6 20.6* 14.7 20.5* 18.9 20.5*	5.7 9.2 6.3 16.0* 10.6 15.9* 13.6 15.9*	5.2 8.3 5.7 10.3* 9.6 10.3* 10.3* 10.3*	26'10"
<b>- 10</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	21.7 31.7* 24.4 31.7* 31.7* 31.7* 31.7* 31.7*	11.6 19.4 12.9 26.7* 22.8 26.5* 26.5* 26.5*	7.8 12.6 8.6 19.6* 14.6 19.5* 18.9 19.5*	6.1 9.8 6.7 14.0* 11.3 14.0* 14.0* 14.0*	6.1 9.8 6.7 14.0* 11.3 14.0* 14.0* 14.0*	24'
<b>- 15</b>	Stabilizers raised Stabilizer blade down Blade + 2 pt. down 4 pt. outriggers down	22.5 31.6* 25.2 31.6* 31.3* 31.3* 31.3* 31.3*	12.0 19.9 13.3 22.2* 22.0 22.0* 22.0 22.0*			8.4 13.5 9.3 16.1* 15.6 16.0* 16.0* 16.0*	19' 6"



Height  Can be slewed through 360°



### In longitudinal position of undercarriage

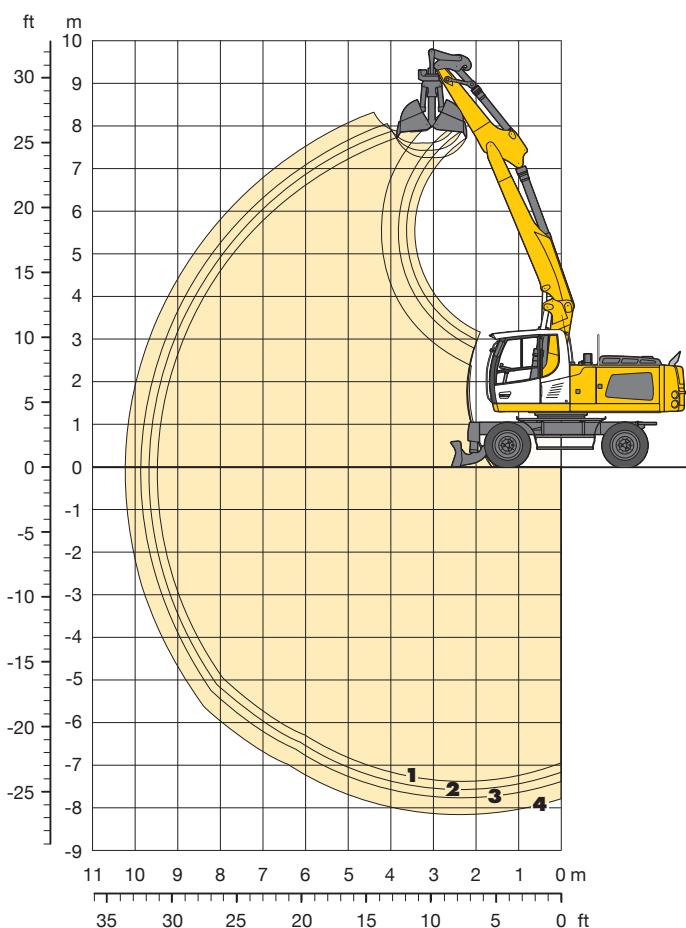


**Max. reach** \* Limited by hydr. capacity

The lift capacities on the load hook of the Liebherr quick coupler 48 without working tool are stated in lb x 1,000 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, or are limited by the permissible load of the load hook on the quick coupler (max. 26,500 lb). Without the quick coupler, lift capacities will increase by up to 500 lb.

# Clamshell Grab

## with Two-piece Boom 13'7"



### Digging Envelope

with Quick Coupler

	1	2	3	4
Stick length ft in	7' 5"	8'	8' 8"	10'
Max. digging depth ft in	24' 1"	24'9"	25' 5"	26' 9"
Max. reach at ground level ft in	31' 2"	31'8"	32' 4"	33' 8"
Max. dumping height ft in	23'11"	24'5"	24'11"	25'11"

### Clamshell Model

GM 10B

Max. tooth force	16,411 lbf (16,300 lb)
Max. torque of hydr. swivel	1,298 lbf ft

### Operating Weight

The operating weight includes the basic machine with 8 tires plus intermediate rings, two-piece boom 13'7", stick 8', quick coupler 48 and clamshell model GM 10B/1.31 yd<sup>3</sup> (3'3" without ejector).

Undercarriage versions	Weight
A 924 Litronic with stabilizer blade	52,500 lb
A 924 Litronic with stabilizer blade + 2 pt. outriggers	56,400 lb
A 924 Litronic with 4 pt. outriggers	57,300 lb
A 924 EW Litronic with stabilizer blade	52,900 lb
A 924 EW Litronic with stabilizer blade + 2 pt. outriggers	57,300 lb
A 924 EW Litronic with 4 pt. outriggers	58,400 lb

### Clamshell Model GM 10B Machine stability per ISO 10567\* (75% of tipping capacity)

Width of shells in	Capacity yd <sup>3</sup>	Weight lb	Stabilizers raised		Stabilizer blade down		Stabilizer blade + 2 pt. outr. down		4 point outriggers down		EW Stabilizers raised		EW Stabilizer blade down		EW Stabilizer blade + 2 pt. outr. down		EW 4 point outriggers down				
			7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"
12.6" <sup>1)</sup>	0.22	1,698	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
15.7" <sup>1)</sup>	0.29	1,808	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
23.6" <sup>1)</sup>	0.46	1,896	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
31.5" <sup>1)</sup>	0.59	2,006	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
39.4" <sup>1)</sup>	0.78	2,138	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
39.4" <sup>1)(3)</sup>	1.31	2,293	△	△	■	■	□	△	△	■	□	□	□	□	△	△	■	□	△	□	□
59.1" <sup>1)(3)</sup>	1.96	2,557	▲	▲	▲	▲	▲	▲	▲	▲	□	□	□	□	■	▲	▲	▲	▲	□	□
70.9" <sup>1)(3)</sup>	2.35	2,822	▲	▲	▲	▲	▲	▲	▲	▲	△	□	□	□	△	▲	▲	▲	▲	▲	△
12.6" <sup>2)</sup>	0.22	1,808	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
15.7" <sup>2)</sup>	0.29	1,940	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
23.6" <sup>2)</sup>	0.39	2,094	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
31.5" <sup>2)</sup>	0.59	2,227	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□

\* Indicated loads are based on ISO 10567 and do not exceed 75 % of tipping or 87 % of hydraulic capacity, max. stick length without quick coupler, lifted 360° on firm with blocked oscillating axle

1) without ejector

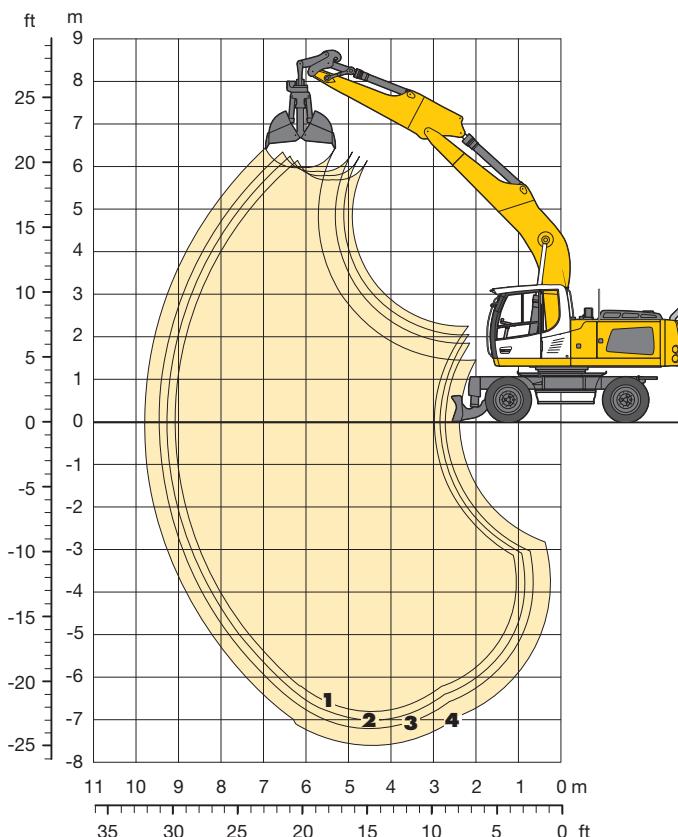
2) with ejector

3) Shells for loose material

Max. material weight □ = ≤ 3,034 lb/yd<sup>3</sup>, △ = ≤ 2,528 lb/yd<sup>3</sup>, ■ = ≤ 2,023 lb/yd<sup>3</sup>, ▲ = not authorized

# Clamshell Grab

with Mono Boom 18'6"



## Digging Envelope

with Quick Coupler

	1	2	3	4	
Stick length	ft in	7' 5"	8'	8'8"	10'
Max. digging depth	ft in	22' 4"	23'	23'7"	24'11"
Max. reach at ground level	ft in	29'10"	30'4"	31'	32' 2"
Max. dumping height	ft in	18' 8"	19'	19'4"	19' 8"

## Clamshell Model

GM 10B

Max. tooth force	16,411 lbf (16,300 lb)
Max. torque of hydr. swivel	1,298 lbf ft

## Operating Weight

The operating weight includes the basic machine with 8 tires plus intermediate rings, mono boom 18'6", stick 8', quick coupler 48 and clamshell model GM 10B/1.31 yd<sup>3</sup> (3'3" without ejector).

Undercarriage versions	Weight
A 924 Litronic with stabilizer blade	51,600 lb
A 924 Litronic with stabilizer blade + 2 pt. outriggers	55,100 lb
A 924 Litronic with 4 pt. outriggers	56,000 lb
A 924 EW Litronic with stabilizer blade	51,800 lb
A 924 EW Litronic with stabilizer blade + 2 pt. outriggers	56,000 lb
A 924 EW Litronic with 4 pt. outriggers	57,100 lb

## Clamshell Model GM 10B Machine stability per ISO 10567\* (75% of tipping capacity)

Width of shells in	Capacity yd <sup>3</sup>	Weight lb	Stabilizers raised			Stabilizer blade down			Stabilizer blade + 2 pt. outr. down			4 point outriggers down			EW Stabilizers raised			EW Stabilizer blade down			EW Stabilizer blade + 2 pt. outr. down			EW 4 point outriggers down			
			7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	
12.6 <sup>(1)</sup>	0.22	1,698	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
15.7 <sup>(1)</sup>	0.29	1,808	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
23.6 <sup>(1)</sup>	0.46	1,896	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
31.5 <sup>(1)</sup>	0.59	2,006	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
39.4 <sup>(1)</sup>	0.78	2,138	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
39.4 <sup>(1)(3)</sup>	1.31	2,293	△	△	△	■	□	□	△	△	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
59.1 <sup>(1)(3)</sup>	1.96	2,557	▲	▲	▲	▲	■	■	▲	▲	□	□	□	□	□	□	■	■	▲	▲	▲	▲	□	□	□	□	□
70.9 <sup>(1)(3)</sup>	2.35	2,822	▲	▲	▲	▲	▲	▲	▲	▲	□	□	□	□	□	□	▲	▲	▲	▲	▲	▲	□	□	□	□	△
12.6 <sup>(2)</sup>	0.22	1,808	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
15.7 <sup>(2)</sup>	0.29	1,940	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
23.6 <sup>(2)</sup>	0.39	2,094	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
31.5 <sup>(2)</sup>	0.59	2,227	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□

\* Indicated loads are based on ISO 10567 and do not exceed 75% of tipping or 87% of hydraulic capacity, max. stick length without quick coupler, lifted 360° on firm with blocked oscillating axle

<sup>1)</sup> without ejector

<sup>2)</sup> with ejector

<sup>3)</sup> Shells for loose material

Max. material weight □ = ≤ 3,034 lb/yd<sup>3</sup>, △ = ≤ 2,528 lb/yd<sup>3</sup>, ■ = ≤ 2,023 lb/yd<sup>3</sup>, ▲ = not authorized

## **Attachments**

## **Ditch Cleaning Buckets/Tilt Buckets**

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

Cutting width in	Capacity ISO 7451 <sup>1)</sup> yd <sup>3</sup>	Weight lb	Stabilizers raised		Stabilizer blade down		Stabilizer blade + 2 pt. outr. down		4 point outriggers down		EW Stabilizers raised		EW Stabilizer blade down		EW Stabilizer blade + 2 pt. outr. down		EW 4 point outriggers down				
			7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"	10'	7'5"	8'	8'8"
<b>Two-piece Boom 13'7"</b>																					
59.1 <sup>3)</sup>	0.65	948	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
63.0 <sup>2)</sup>	1.05	1,874	□	□	□	△	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
78.7 <sup>2)</sup>	0.65	1,521	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
78.7 <sup>3)</sup>	0.92	1,146	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
78.7 <sup>2)</sup>	0.92	1,940	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
78.7 <sup>3)</sup>	1.57	1,411	△	△	■	■	△	△	■	□	□	□	□	□	□	△	△	■	□	□	□
78.7 <sup>2)</sup>	1.31	2,072	△	△	■	■	□	□	△	△	□	□	□	□	□	□	△	△	□	□	□
86.6 <sup>2)</sup>	1.05	1,940	□	□	□	△	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
86.6 <sup>2)</sup>	1.50	2,161	■	■	■	■	▲	▲	■	■	□	□	□	□	□	△	△	■	■	□	□
86.6 <sup>2)</sup>	1.83	2,205	▲	▲	▲	▲	■	■	▲	▲	□	□	□	□	□	■	■	■	▲	▲	□
94.5 <sup>2)</sup>	1.11	1,962	□	□	△	△	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
94.5 <sup>2)</sup>	1.11	1,345	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
94.5 <sup>3)</sup>	1.63	2,205	■	■	▲	▲	△	■	■	▲	□	□	□	□	□	△	■	■	■	▲	□
<b>Mono Boom 18'6"</b>																					
59.1 <sup>3)</sup>	0.65	948	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
63.0 <sup>2)</sup>	1.05	1,874	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
78.7 <sup>2)</sup>	0.65	1,521	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
78.7 <sup>3)</sup>	0.92	1,146	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
78.7 <sup>2)</sup>	0.92	1,940	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
78.7 <sup>3)</sup>	1.57	1,411	△	△	△	■	□	□	△	△	□	□	□	□	□	△	△	□	□	□	□
78.7 <sup>2)</sup>	1.31	2,072	□	△	△	■	□	□	△	□	□	□	□	□	□	□	△	□	□	□	□
86.6 <sup>2)</sup>	1.05	1,940	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
86.6 <sup>2)</sup>	1.50	2,161	△	■	■	■	▲	▲	△	■	□	□	□	□	□	□	△	△	■	□	□
86.6 <sup>2)</sup>	1.83	2,205	■	■	▲	▲	■	■	■	▲	□	□	□	□	□	■	■	■	▲	▲	□
94.5 <sup>2)</sup>	1.11	1,962	□	□	□	△	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
94.5 <sup>2)</sup>	1.11	1,345	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
94.5 <sup>3)</sup>	1.63	2,205	■	■	■	▲	△	△	■	■	□	□	□	□	□	△	△	■	■	▲	□

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

Cutting width in	Capacity ISO 7451 <sup>1)</sup> yd <sup>3</sup>	Weight lb	Stabilizers raised				Stabilizer blade down				Stabilizer blade + 2 pt. outr. down				4 point outriggers down				EW Stabilizers raised				EW Stabilizer blade down				EW Stabilizer blade + 2 pt. outr. down				EW 4 point outriggers down			
			Stick length (ft in) 7'5"	8'	8'8"	10'	Stick length (ft in) 7'5"	8'	8'8"	10'	Stick length (ft in) 7'5"	8'	8'8"	10'	Stick length (ft in) 7'5"	8'	8'8"	10'	Stick length (ft in) 7'5"	8'	8'8"	10'	Stick length (ft in) 7'5"	8'	8'8"	10'	Stick length (ft in) 7'5"	8'	8'8"	10'	Stick length (ft in) 7'5"	8'	8'8"	10'
<b>Two-piece Boom 13'7"</b>																																		
59.1 <sup>12)</sup>	1.57	2,138	■	■	■	▲	△	■	■	■	□	□	□	□	□	□	□	□	□	△	△	■	■	□	□	△	△	■	□	□	□	□	□	
63.0 <sup>12)</sup>	1.05	1,808	□	□	□	△	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	
63.0 <sup>12)</sup>	1.31	1,962	△	△	△	■	□	□	△	△	□	□	□	□	□	□	□	□	□	□	□	△	△	□	□	□	□	□	□	□	□	□	□	
63.0 <sup>12)</sup>	1.77	2,138	■	▲	▲	▲	■	■	■	▲	□	□	□	□	□	□	□	□	■	■	■	■	▲	▲	▲	■	■	■	□	□	□	□	□	
63.0 <sup>12)</sup>	2.03	2,271	▲	▲	▲	▲	▲	▲	▲	▲	□	□	□	□	□	□	□	□	■	▲	▲	▲	■	■	■	■	▲	□	□	□	□	□		
<b>Mono Boom 18'6"</b>																																		
59.1 <sup>12)</sup>	1.57	2,138	△	■	■	■	△	△	△	■	□	□	□	□	□	□	□	□	□	△	△	△	■	□	□	△	△	□	□	□	□	□	□	
63.0 <sup>12)</sup>	1.05	1,808	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	
63.0 <sup>12)</sup>	1.31	1,962	□	△	△	△	□	□	□	△	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	
63.0 <sup>12)</sup>	1.77	2,138	■	■	▲	▲	▲	■	■	■	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	
63.0 <sup>12)</sup>	2.03	2,271	▲	▲	▲	▲	▲	▲	▲	▲	□	□	□	□	□	□	□	□	■	■	■	■	▲	▲	▲	■	■	■	□	□	□	□	□	

\* Indicated loads are based on ISO 10567 and do not exceed 75 % of tipping or 87 % of hydraulic capacity, max. stick length without quick coupler, lifted 360° on firm ground with blocked oscillating axle

<sup>1)</sup> comparable with SAE (heaped)

<sup>2)</sup> with 2 x 50° rotator

③ rigid ditch cleaning bucket

Max. material weight  =  $\leq 3,034 \text{ lb/yd}^3$ ,  =  $\leq 2,528 \text{ lb/yd}^3$ ,  =  $\leq 2,023 \text{ lb/yd}^3$ ,  = not authorized

# Equipment



## Undercarriage

Dual-circuit braking system	•
Tyres (twin tyres) Mitas EM 22	•
Individual control outriggers	+
Travel speed levels (four)	•
Load holding valve on each stabilization cylinder	•
Powershift transmission, semiautomatic	•
Parking brake, maintenance-free	•
Tyres, variants	+
Protection for piston rods, stabilizer cylinder	+
Speeder*	+
Undercarriage EW 9'	+
Tool equipment, extended	+
Tool box left - lockable	•
Tool box right - lockable	+



## Uppercarriage

Uppercarriage right side light, 1 piece, LED 1300 lumen	+
Uppercarriage rear light, 2 pieces, halogen	+
Uppercarriage rear light, 2 pieces, LED 1300 lumen	+
Refuelling system with filling pump	+
Main battery switch for electrical system	•
Engine hood with gas spring	•
Warning beacon on uppercarriage	+
Service doors, lockable	•



## Hydraulics

Shut-off valve between hydraulic tank and pump(s)	•
Pressure test fittings	•
Accumulator for controlled lowering of the attachment with the engine shut down	•
Hydraulic oil filter with integrated microfilter	•
Liebherr hydraulic oil from -4 °F to +104 °F	•
Liebherr hydraulic oil, biologically degradable	+
Liebherr hydraulic oil, specially for warm or cold regions	+
Bypass filter	+
Switchover high pressure circuit and tipping cylinder	+
Switchover high pressure circuit and adjustment cylinder (two-piece boom)	+



## Engine

Fuel anti-theft device	+
Liebherr particle filter	•
Reversible fan drive, fully automatic	+
Air pre-filter with dust discharge	+
Preheating fuel	+



## Operator's Cab

Storage compartment	•
Cab lights rear, halogen	+
Cab lights rear, LED 1300 lumen	+
Cab lights front, halogen (above rain cover)	+
Cab lights front, halogen (under rain cover)	•
Cab lights front, LED 1300 lumen (above rain cover)	+
Cab lights front, LED 1300 lumen (under rain cover)	+
Mechanical hour meters, readable from outside the cab	•
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	+
Windscreen retractable (including upper part)	•
Intermittent windscreen wiper with wiper washer	•
Rubber floor mat, removable	•
Dome light	•
Joystick steering	+
Coat hook	•
Automatic air conditioning**	•
Fuel consumption indicator	•
Electric cooler	+

Steering wheel, wide version (cost-neutral option)

+

Steering column adjustable horizontally

•

LIDAT Plus (extended Liebherr data transfer system)\*\*\*

+

Automatic engine shut-down (time adjustable)

+

Emergency exit rear window

•

Bullet proof front screen – not adjustable

+

Bullet proof glass (top)

+

Positioning swing brake

+

Proportional control

+

Radio Comfort (control via display)

+

Preparation for radio installation

•

Rain cover over front window opening

•

ROPS cab protection

•

Back-up alarm (acoustic signal is emitted traveling backward, can not be switched off)

+

Warning beacon on cab

+

All tinted windows

•

Windscreen wiper, roof

+

Door with sliding window

•

Top guard

+

Front guard

+

Right side window and windshield made of laminated glass

•

Sun blind

•

Auxiliary heating, adjustable (week time switch)

+

Cruise control

•

Electronic immobilizer

+

Cigarette lighter and ashtray

•



## Attachment

Boom lights, 2 pieces, halogen

•

Boom lights, 2 pieces, LED 1300 lumen

+

Stick lights, 2 pieces, halogen

+

High pressure circuit incl. lines and Tool Control

+

Electronic lift limitation

+

Load hook on stick

+

Shackle on stick

+

Leak oil line, additional for working tools

+

Liebherr ditch cleaning bucket

+

Liebherr pipe laying tool

+

Liebherr quick coupler, hydraulic or mechanical

+

Liebherr tilt bucket

+

Liebherr tilt rotator

+

Liebherr sorting grapple

+

Liebherr backhoe bucket

+

Liebherr tooth system

+

Liebherr clamshell grab

+

Middle pressure circuit incl. lines

+

Mono boom

+

Offset mono boom

+

Pipe fracture safety valves hoist cylinders

•

Pipe fracture safety valve tipping cylinder

+

Pipe fracture safety valve stick cylinder

•

Return line, pressureless (in high pressure circuit option included)

+

Hose quick coupling at end of stick

•

Quick coupling system LIKUFIX

+

Protection for piston rod, tipping cylinder

+

Protection for piston rod, stick cylinder

+

Custom painting for tools

+

Tool Control, 10 tool adjustments selectable over the display

+

Tool Management, automatic tool recognition (in combination with LIKUFIX)

+

Overload warning device

•

Protection for stick

+

Two-piece boom

+



## Complete Machine

Lubrication

•

Lubrication undercarriage, manually – decentralized (grease points)

+

Lubrication undercarriage, manually – centralized (one grease point)

+

Central lubrication system for uppercarriage and attachment, automatically (without quick coupler and connecting link)\*\*

•

Central lubrication system, extension for quick coupler

+

Central lubrication system, extension for connecting link

+

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

+

\* = Standard, + = Option

\*\* depending upon the country partially only 15.5 mph permitted, \*\* = country-dependent, \*\*\* = 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 and mining trucks.

## 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.

**[www.liebherr.us](http://www.liebherr.us)**