Stereoloaders®

L 507 - L 514
Stereo Stereo

Tipping load, articulated: 3,712 kg - 5,680 kg



LIEBHERR

L 507_{Stereo}

Tipping load, articulated: 3,712 kg
Bucket capacity: 0.9 m³
Operating weight: 5,470 kg
Engine output

(ISO 14396): 50 kW/68 HP

L 509_{Stereo}

Tipping load, articulated: 4,430 kg
Bucket capacity: 1.2 m³
Operating weight: 6,390 kg
Engine output

(ISO 14396): 54 kW/73 HP

L 514Stereo

Tipping load, articulated: 5,680 kg
Bucket capacity: 1.5 m³
Operating weight: 8,350 kg

Engine output

(ISO 14396): 76 kW/103 HP



Performance

Liebherr Stereoloaders® are flexible 'power all-rounders'. Their unique steering system gives them exceptional maneuverability and with their tight articulation angle of only 30 degrees they can move exceptionally heavy payloads whilst maintaining maximum stability and tipping safety.

Economy

The Stereoloaders® produce palpable benefits. They are enormously flexible and permanently economical to use, offering exceptional value for money. The improved cooling system actively reduces both fuel consumption and maintenance costs. Two **Speeder** version models are available for jobs where speed counts.

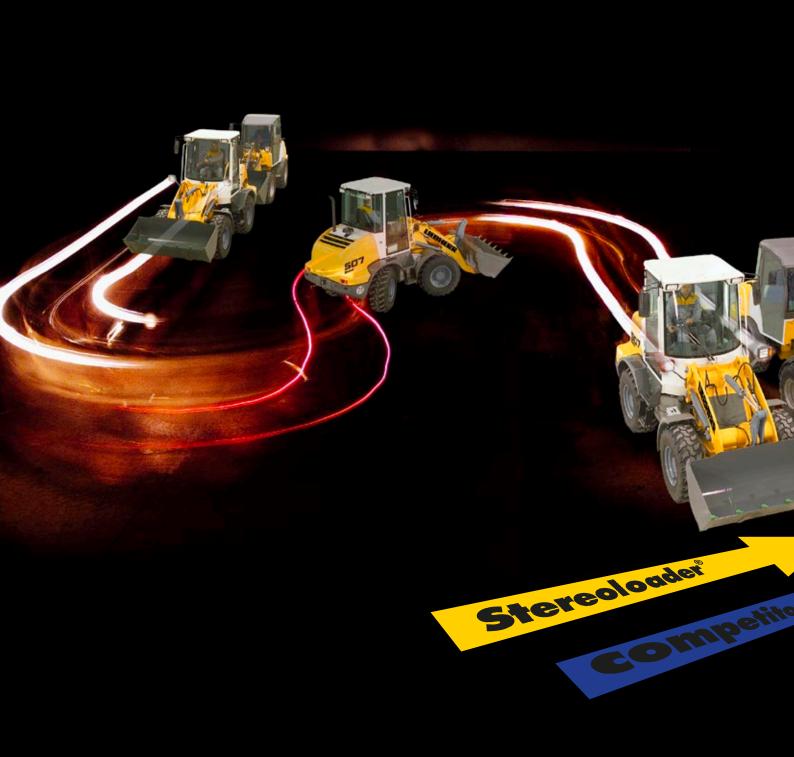
Reliability

The highly successful "Stereo" concept has undergone continuous development since its launch in 1994. The machines have proven themselves in the toughest imaginable conditions. Water-cooled 4-cylinder diesel engines are used to provide a powerful, reliable, source of power.

Comfort

A unique Liebherr feature is that the oscillating center pivot coupled with the pendulum axle reduces the maximum cab tilt angle when crossing rough surfaces by half, thus ensuring maximum safety and comfort. The comfortable operator's cab has safe, convenient and extremely wide access even when the loader is fully articulated. Ergonomic controls allow the operator to work with minimal fatigue whilst also enhancing his safety.







Unique Steering System

- The Stereoloaders® steering geometry combines a centre pivot with a steered rear axle, for maximum operating efficiency even in the most confined spaces.
- Amazingly tight turning circle: up to 20 % smaller than comparable conventional steered wheel loaders.





Performance

Liebherr Stereoloaders® are flexible 'power all-rounders'. Their unique steering system gives them exceptional maneuverability and with their tight articulation angle of only 30 degrees they can move exceptionally heavy payloads whilst maintaining maximum stability and tipping safety.

Outstanding Manoeuvrability

20 % More Flexibility

The turning circle of the Stereoloaders®, measured at the outer extremity of the working equipment, is as much as 20% less than vehicles with centrepivot steering only. This can provide as much as 50 cm more clearance to guarantee maximum working efficiency.

Outstanding Stability

Maximum Tipping Safety and High Payloads

The Stereoloader® steering geometry combines a centre pivot with a steered rear axle for a reduced articulation angle of just 30° (compared to conventional models with 40°) enabling it to carry comparatively heavier loads – more payload with less operating weight. At the same time it means the best stability and tipping safety in this class.

Suitable for Universal Use

Designed for Rugged Use

Array of Attachments

Flexibility With a Wide Th

Their sturdy construction and solid components make the Stereoloaders® ideal for rugged use. The powerful hydraulic system enables them to work at maximum speed.

The wide array of attachments and special equipment such as sweeping machines, snow clearing machines, special buckets and the range of options, particularly for industrial applications, make the Stereoloader[®] extremely versatile and flexible in use. The machines can be used for a very wide range of applications to suit the specific requirements of the iob in hand.

Existing Z-bar working equipment from the previous wheel loader generation can continue to be used with the new, improved Z-bar linkage.

Excellent Stability and Tipping Safety

- High payload with low operating weight and the hightest possible stability are the results of the unique stereo steering system with a maximum articulation angle of 30°.
- Unblocked view of the entire working and manoeuvring area, for a maximum of safety.



A True All-Purpose Machine

- With a big selection of working equipment and attachments, the Stereoloaders® are highperformance 'jacks of all trades' and profitable to operate.
- The stable construction and solid design of the components make the Stereoloader[®] durable and efficient – even in rugged conditions.





Controlled Cooling

- Optimised cooling airflow – an invaluable benefit, particularly in very dusty working conditions.
- Cooling air is drawn in from the 'cleanest' zone directly behind the rear window.



Ideal for Tasks Involving Longer Road Journeys: the **Speeder**

The L 507 and L 509 are available in *Speeder* versions as an option, with a top speed of 30 km/h. This makes them ideal for jobs involving a high proportion of travelling between the work areas.



Economy

The Stereoloaders® produce palpable benefits. They are enormously flexible and permanently economical to use whilst also offering exceptional value for money. The improved cooling system permanently reduces both fuel consumption and maintenance costs. Two **Speeder** version models are available for jobs where speed counts.

Low Operating Costs

Demand-Controlled Cooling

The optimised cooling system for the diesel engine and the hydraulic system supplies precisely the power required to the cooling fan. The improved cooling system also cuts maintenance and cleaning costs.

"Speeder"

Higher Top Speed

The L 507**stereo** and L 509**stereo** are available in **Speeder** versions as an option. They then have a top speed of 30 km/h – ideal for rapid journeys between working sites and fast load handling movements.

Adaptable Equipment

Optimised Kinematics

The optimised Z-bar linkage, with its generous dumping height and outreach, has a performance that could formerly only be obtained with two different systems (parallel and Z-bar linkages). The dimensions for connecting the previous and latest Z-bar linkages are identical, so that equipment is fully interchangeable and older items can still be used.

Simple Maintenance

Excellent Access

When the compact engine cover is opened, all maintenance points can be reached easily and safely from the ground. All the check points and fluid levels are clearly visible and easy to access.



Optimised Kinematics

- The optimised Z-bar linkage with its generous dumping height and vertical clearance satisfies the highest performance standards applicable to work on construction sites and in industry.
- The mounting points have not changed, so that existing Z-bar equipment can be attached to the new Stereoloaders® without difficulty.
- Standard equipment for the powerful Z-bar linkage is an integral hydraulic quick hitch.



Easy, Safe Access

 The engine compartment has a compact hinge-up cover which gives unobstructed access to all maintenance points.





Diesel Engine

- The familiar standards of quality and reliability are shared by new 4-cylinder water-cooled diesel engines.
- A reliable, powerful driveline.





Reliability

The Liebherr Stereoloaders[®] are a combination of mature, well-proven technology and innovations designed to boost performance still further. The highly successful "Stereo" concept has undergone continuous development since its launch in 1994. The machines have proven themselves in the toughest imaginable conditions. Water-cooled 4-cylinder diesel engines are used to provide a powerful, reliable, source of power.

All-Round Safety

Excellent All-Round Visibility

The high seat position in the cab provides the operator with an excellent view in all directions so that he can see the entire working area. Dangerous situations for personnel and objects in the working area, for the operator and for the wheel loader can be identified faster and thus averted.

Quality Down to the Last Detail

Cooling and Airflow **System**

Further evidence of Liebherr's well thought-out design principles: the radiator is located directly behind the cab, so that fresh air can be drawn in from a relatively clean zone. This improves coolingsystem performance in very dusty conditions and greatly reduces the amount of maintenance work and cleaning needed.

Diesel Engine

The water-cooled 4-cylinder diesel engines reach the same high standards of quality and reliability that are a feature of all Liebherr products, and drive the Stereoloaders® safely and powerfully.

Strong Linkage

Thick-walled bearing bushings together with the solid design of the lift arm ensure long, trouble-free

operating life.

Hydraulic Quick Hitch

The quick hitch is compatible with Liebherr Compact Loaders and most conventional attachments. All its parts are made from high-

grade materials.

Technology You Can Trust

Suitable For all Jobs

The Stereoloaders® will operate to the same excellent standards of reliability as the previous models. They are particularly durable, even in rugged conditions.

Robust Operating Linkage

• The linkage is rated for fast, powerful work cycles and copes easily with the toughest conditions every likely to be encountered in day-to-day work.



A Well-Proven Basis for Higher Performance

• Unceasing development work has gone into the "Stereo concept" to ensure high quality and reliability in every detail.





Above: Cabin L 507 and L 509. Left: Display L 514.

- The ergonomically correct layout of all the controls makes precision handling of the wheel loader easy.
- Clearly arranged displays with visual and acoustic warning devices ensure high operating safety.



Easy Access

• A safe, convenient and extremely wide access to the operator's cab ensures maximum safety and comfort for the operator even when the Stereoloader® is at maximum articulation.



Comfort

A unique Liebherr feature is that the oscillating center pivot coupled with the pendulum axle reduces the maximum cab tilt angle when crossing rough surfaces by half, thus ensuring maximum safety and comfort. The comfortable operator's cab has safe, convenient and extremely wide access even when the loader is fully articulated. Ergonomic controls allow the operator to work with minimal fatigue whilst also enhancing his safety.

Perfection in Cab Design

Maximum Safety for Personnel, the Machine and the Load All the instruments and displays are correctly positioned for easy use. This enables the operator to work particularly productively and safely. From his seat the operator also has an excellent view of the working and maneuvering areas and is therefore assured of maximum safety for himself, other people and objects near the machine.

Minimal Fatigue and Safe Working

Effective Noise Reduction

Optimised cab design has also reduced the noise level inside the cab compared with the previous models; it is now at the impressively low figure of 70 decibels. This provides the operator with perfect conditions to concentrate on his work and be more productive.

Stable and Safe Performance

In the center pivot area, shock-absorbing elements minimize vibration from travel movement and help to prevent it from reaching the operator, making the Stereoloaders® smoother and more stable when cornering. The long wheelbase contributes to the loader's consistently good dynamic performance as well. This helps the operator to concentrate better and thus enhances his own safety and that of the area around where he is working. Moreover the oscillating center pivot lowers the center of gravity when driving on gradients thus enhancing the machine's stability and tipping safety.

Precise, Low-Effort Control

The Liebherr Single-Lever Principle

A single 'joystick' lever controls all the loader's working movements accurately and with the necessary sensitivity for exact, safe vehicle and load positioning. One hand can remain on the steering wheel at all times.



Unique Oscillating System

- The combination of oscillating centre pivot and pendulum axles reduces the maximum cab tilt angle of 12° by half: For unique handling and excellent stability and tipping safety.
- Initial position
- Lateral slope angle
- Stereoloader[®]
- Conventional systems



A Practical Option

 A large, lockable toolbox can be supplied as an optional extra for the access area. This is a convenient place to keep items that may be needed every day, such as tools, lashing tackle or a grease gun.



Safety in and Around the Machine

Personnel Safety

- Clear all-round visibility
- Clear visibility of equipment and load
- High seat position in the cab
- Optimal layout of all mirrors

Cargo Safety

- Optimal visibility of the equipment during loading and unloading
- + Fast, safe positioning of the load
- Safe transport of the load. even on uneven terrain
- High seat position in the cab
- Stereo system: combination of oscillating center pivot and steered rear axle

Stability and Tipping Safety

- Maximum stability in all site situations
- Maximum tipping safety even when loaded and fully articulated
- High payloads
- Stereo steering: articulation angle just 30°
- Stereo system: oscillating center pivot combined with oscillating rear axle
- Excellent ratio between weight and tipping load



Operating Safety

- + The operator's concentration is enhanced
- 👆 Easy start-up
- Ergonomic layout of the controls
- Stereo system reduces the lateral cab tilt by half
- All maintenance and check points are easily accessible by walking around the machine

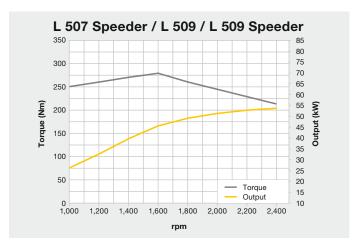
Safe and Versatile Usage

- Flexible and efficient in use even in constricted spaces
- Maximum working speed, minimum cycle times
- Durable and powerful particularly for rugged jobs
- -- Versatile
- Tight turning circle with the stereo system combination of oscillating center pivot and steered rear axle
- Sturdy machine construction and solidly designed components
- Optional **Speeder** version (30 km/h)
- Wide range of options for demanding applications

Technical Data

1	/8555.			
)	Engin	e	L 507	L 507 Speeder/L 509/ L 509 Speeder
1	Diesel engine Design		4TNV98C-PJLW25 Water-cooled Diesel suction engine	4TNV98CT-PJLW5 Turbocharged water-cooled Diesel engine
	Max. gross output to	ss)	4 Common Rail direct	4 injection
ı	SAE J1995			54/73
	Max. net output to ISO 9249 and	at RPM	,	2,400
	SAE J1349			52/71
	Rated output to	at RPM	,	2,400
	ISO 14396			54/73
	M	at RPM	2,400	2,400
	Max. net torque to ISO 9249 and			
	SAE J1349			280
		at RPM		1,560 3.32
	Displacement Air cleaner			
	Electrical system		Dry type with main a	ind Safety element
	Operating voltage _	V	12	l 12
	Capacity	Ah	100	100
	Alternator			12/80
	Starter motor			12/3
	The exhaust emissions a	re below	the limits in stage IIIE	3 / Lier 4t.





Technical Data



Stepless hydrostatic driveline		1 2-1-1-			
Design	Swash plate type variable flow pump and a variable axial piston motor in a closed loop circuit				
Filtering system	Suction return line filter for closed circuit				
Control	Control of driveline with travel and combined inching pedal. The inching pedal permits continuously variable adjustment of crowding and tractive force to match ground and operating conditions. The Liebherr control lever is used to control forward and reverse travel				
Travel speed range	_ Speed range 1				
(forward and reverse)	Speed range 2				
	Speeder (L 507 and L 509)				
	The quoted speeds apply with the tyres th standard equipment on the loader.	at are			

Attachment Hydraulics

Design	Gear pump to supply systems (via priority	y the hydraulic and steering valve)	
	_ Suction return line filter in the hydraulic reservoir _ Liebherr control lever with hydraulic servo control		
Lift circuit	Lifting, neutral, lowe	ringand	
	float positions contro	olled by Liebherr control lever	
	with detent; automat		
Tilt circuit	Tilt back, neutral, du	mpadditional functions are onal "convenient control system"	
Additional hydraulics			
, idailional flyaradilos	L 507	L 509	
Max. flow I/min	. 70	93	
Max. pressureba	r 230	210	



Danian	Four-wheel drive
Design	
Front axle	
Rear axle	Centre pivot, with 5° oscillating angle to each side
Differentials	Automatic limited-slip differentials with 45 % locking
	action in both axles
Reduction gear	_ Planetary final drive in wheel hubs
Track width	1,486 mm (L 507)
	1,660 mm (L 509)
Design Speeder	_ Four-wheel drive
Front axle	Rigidly mounted planetary-hub axle
Rear axle	Centre pivot, with 5° oscillating angle to each side
Differentials	_ 100 % differential lock in front axle, manually
	engaged
Reduction gear	Planetary final drive in wheel hubs
Track width	1,486 mm (L 507 Speeder)
	1 660 mm (L 509 Speeder)



Geometry	. Powerful Z-bar linkaç	ge with hydraulic quick hitch as
	standard	
Bearings	. Lathe-turned thick-w	alled bushings with lubricating
-	grooves	
Cycle time at nominal load	. Ĺ 507	L 509
Lifting	. 4.2 s	5.5 s
Dumping	. 1.5 s	1.9 s
Lowering (empty)	. 3.0 s	4.2 s
• • • • • • • • • • • • • • • • • • • •		



IN Drukes	
Service brake	Wear-free service brake due to hydrostatic driveline applied to all four wheels and additional drum brake system
Parking brake	Mechanically operated drum brake
Brake system Speeder	• •
Service brake	Dual-circuit brake system, drum brake and wet multi-disc brake on front axle
Parking brake	"Negative brake system" on front axle acting on the wet multi-disc brakes
The braking system meets the rec	quirements of the EC guidelines 71/320.



Operator's Cab

Design	The cab is resiliently mounted on the rear section,
•	with built in ROPS/FOPS structure, tinted safety
	glass window, right-hand door with gap opener
	arrangement. Adjustable steering column available
	as optional extra. ROPS roll over protection per
	EN/ISO 3471/EN 474-1 FOPS falling objects
	protection per EN/ISO 3449/EN 474-1
Operator's seat	6 way adjustable seat with seat belt, adjustable for
•	operator's weight (mechanically sprung)
Cab heating and ventilation	With defrosting, fresh-air filter, recirculation-air mode
•	and hot-water heating



Design	"Stereo" steering system, hydraulic servo power steering. Central oscilating frame articulation in combination with rear-axle pivot steering, and damper element
Angle of articulation Angle of oscillation –	30° to each side
centre-pivot steering Max. pressure	5° to each side 180 bar



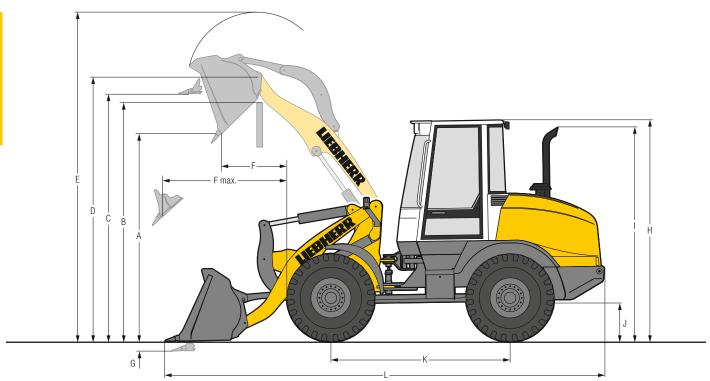
ISO 6396	L _{DA} (inside cab)	= 73 dB(A)
Sound power level to	pr. (,	` ,
2000/14/EC	L _{WA} (surround noise)	= 99 dB(A)



Capacities

	L 507	L 509
Fuel tank	180	80
Engine oil (inclusive filter change	e)_I 10.2	10.2
Coolant	I11	12
Front axle	I 6.1	9.2
Rear axle	15.5	8
Travel gear	10.6	0.8
Hydraulic tank	155	80
Hydraulic system total	190	100

Dimensions



				PM
Exce	avation Bucket		L 507	L 509
	Geometry		ZK-QH	ZK-QH
	Cutting tools		Т	Т
	Lift arm length	mm	2,150	2,250
	Bucket capacity according to ISO 7546 **	m ³	0.9	1.2
	Specific material density	t/m³	1.8	1.8
	Bucket width	mm	2,050	2,330
Α	Dumping height at max. lift height and 42° discharge	mm	2,550	2,641
В	Dump-over height	mm	2,872	3,000
С	Max. height of bucket bottom	mm	3,011	3,139
D	Max. height of bucket pivot point	mm	3,211	3,339
E	Max. operating height	mm	4,040	4,235
F	Reach at max. lift height and 42° discharge	mm	818	909
F max.	Max. outreach at 42° discharge	mm	1,517	1,640
G	Digging depth	mm	80	95
Н	Height above cab	mm	2,748	2,780
1	Height above exhaust	mm	2,600	2,625
J	Ground clearance	mm	295	335
K	Wheelbase	mm	2,150	2,300
L	Overall length	mm	5,295	5,760
	Turning circle radius over outside bucket edge	mm	3,755	4,190
	Breakout force (SAE)	kN	48	55
	Tipping load, straight *	kg	4,065	4,850
	Tipping load, articulated 30°*	kg	3,712	4,430
	Operating weight *	kg	5,470	6,390
	Tyre sizes		365/70R18 L2	405/70R18 L2

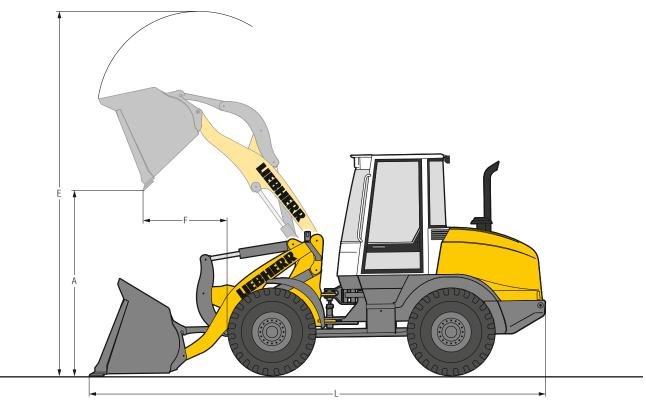
^{*} The figures shown here are valid with tyres above, includes all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator. Different tyres and optional equipment will change the operating weight and tipping load. (Tipping load, articulated 30° according to ISO 14397-1).

ZK-QH = Z-bar linkage with hydraulic quick hitch

= Welded-on tooth holder with add-on teeth

^{**} Actual bucket capacity may be approx. 10 % larger than the calculation according to ISO 7546 standard. The degree to which the bucket can be filled depends on the material - see page 25.

Light Material Bucket



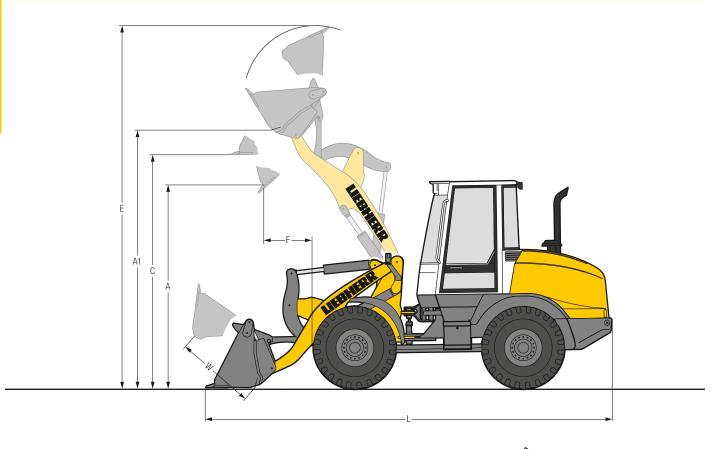
			P P			
Light Material Bucket		L 5	07	L S	509	
Geometry		ZK-QH	ZK-QH	ZK-QH	ZK-QH	
Cutting tools		BOCE	BOCE	BOCE	BOCE	
Bucket capacity	m ³	1.2	1.6	1.6	2.0	
Specific material density	t/m³	1.4	1.0	1.3	1.0	
Bucket width	mm	2,330	2,400	2,400	2,400	
A Dumping height at max. lift height and max. discharge	mm	2,511	2,420	2,551	2,460	
Max. operating height	mm	4,123	4,196	4,325	4,474	
Reach at maximum lift height and max. discharge	mm	866	890	937	1,048	
Overall length	mm	5,355	5,410	5,742	5,882	
Tipping load, straight*	kg	3,919	3,824	4,746	4,692	
Tipping load, articulated 30° *	kg	3,575	3,491	4,317	4,268	
Operating weight *	kg	5,598	5,654	6,473	6,480	
Tyre sizes		365/70F	R18 L2	405/701	R18 L2	

^{*} The figures shown here are valid with tyres above, includes all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator. Different tyres and optional equipment will change the operating weight and tipping load. (Tipping load, articulated 30° according to ISO 14397-1).

ZK-QH = Z-bar linkage with hydraulic quick hitch

BOCE = Bolt-on cutting edge

4 in 1 Bucket



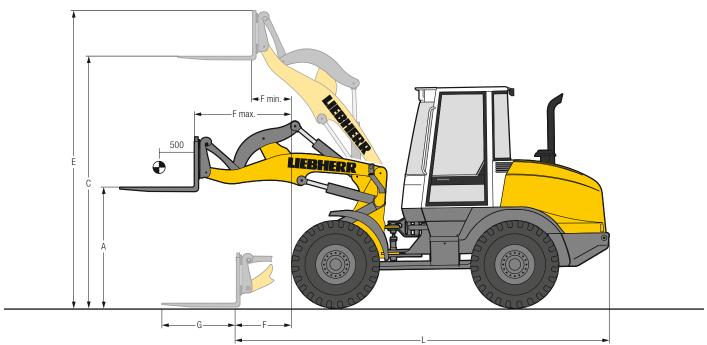
4	in 1 Bucket		L 507	L 509	
	Geometry		ZK-QH	ZK-QH	
	Cutting tools		Т	T	
	Bucket capacity	m ³	0.8	1.0	
	Specific material density	t/m³	1.8	1.8	
	Bucket width	mm	2,100	2,330	
Α	Dumping height at max. lift height and 42° discharge	mm	2,532	2,634	
A1	Max. dumping height with opened bucket	mm	3,203	3,356	
С	Max. height of bucket bottom	mm	2,946	3,074	
E	Max. operating height	mm	4,714	4,895	
F	Reach at max. lift height and 42° discharge	mm	890	965	
L	Overall length	mm	5,390	5,835	
W	Max. bucket opening	mm	1,008	1,008	
	Turning circle radius over outside bucket edge	mm	3,907	4,280	
	Tipping load, straight *	kg	3,550	4,354	
	Tipping load, articulated 30° *	kg	3,240	3,961	
	Operating weight *	kg	5,757	6,681	
	Tyre sizes		365/70R18 L2	405/70R18 L2	

^{*} The figures shown here are valid with tyres above, includes all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator. Different tyres and optional equipment will change the operating weight and tipping load. (Tipping load, articulated 30° according to ISO 14397-1).

ZK-QH = Z-bar linkage with hydraulic quick hitch

= Welded-on tooth holder with add-on teeth

Fork Carrier and Fork



FEM	II Fork Carrier and Fork		L 507	L 509
	Geometry		ZK-QH	ZK-QH
Α	Lifting height at max. reach	mm	1,452	1,515
С	Max. lifting height	mm	3,039	3,165
E	Max. operating height	mm	3,714	3,840
F	Reach at loading position	mm	741	775
F max.	Max. reach	mm	1,258	1,335
F min.	Reach at max. lifting height	mm	550	595
G	Fork length	mm	1,200	1,200
L	Length – basic machine	mm	4,605	4,940
	Tipping load, straight *	kg	3,022	3,770
	Tipping load, articulated 30°*	kg	2,758	3,418
	Recommended payload for uneven ground			
	= 60 % of tipping load (full articulated) ***	kg	1,660	2,040
	Recommended payload for smooth surfaces			
	= 80 % of tipping load (full articulated) ***	kg	2,212	2,500 **
	Operating weight *	kg	5,400	6,217
	Tyre sizes		365/70R18 L2	405/70R18 L2

The figures shown here are valid with tyres above, includes all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator. Different tyres and optional equipment will change the operating weight and tipping load. (Tipping load, articulated 30° according to ISO 14397-1).

ZK-QH = Z-bar linkage with hydraulic quick hitch

^{**} Payload on forks is limited by tilt cylinder – max. load capacity for the fork carrier FEM II 2,500 kg

^{***} According to EN 474-3

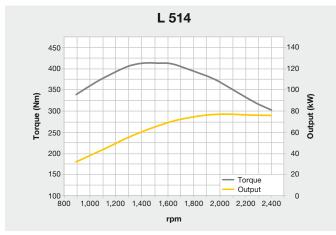
Technical Data



Alternator____ Starter motor -

	_		
es	el engine		
	Design		4-cylinder inline engine, water-cooled with exhaust turbocharger, intercooler and diesel particle filter
		s	Electronic Common Rail high-pressure injection
	Max. gross output to	1	
	ISO 3046 and SAE J1995	NW/HD	77/105
	OAL 01990	at RPM	
	Max. net output to		
	ISO 9249 and		
	SAE J1349		
	Data da suta ut ta	at RPM	2,000
	Rated output to		70/400
	ISO 14396	at RPM	
	Max. net torque to	al nrivi	2,400
	ISO 9249 and		
	SAE J1349	Nm	389
		at RPM	1,600
	Displacement		
	Bore/Stroke		
			Dry air filter with main and safety element
ЭС	trical system		
	Operating voltage		
	Battery	Ah/V	2 x 100/12

_ V/A 12/90 _ kW 4.8 The exhaust emissions are below the limits in stage IIIB/Tier 4i.





Driveline

Stepless hydrostatic driveline	
Design	_ Swash plate type variable flow pump and a variable
Filtering system	axial piston motor in a closed loop circuit Suction return line filter for closed circuit
Control	_ Control of driveline with travel and combined inching
	pedal. The inching pedal permits continuously variable adjustment of crowding and tractive force to match
	ground and operating conditions. The Liebherr contro
Travel speeds	lever is used to control forward and reverse travel Speed range 1 0 - 8 km/h
Traver speeds	Speed range 2 0 - 8 km/r 0 - 30 km/r
	Forward and reverse with tyre size 17.5R25



Four-wheel drive	
Front axle	Fixed
Steered rear axle	Centre pivot, with 5° oscillating angle to each side
Differentials	Automatic limited-slip differentials with 45 % locking
	action in both axles
Final drive	Planetary final drive in the wheel hubs
Track width	1,920 mm



Service brake	Dual-circuit brake system, drum brake and wet
	multi-disc brake on front axle
Parking brake	. "Negative brake system" on front axle acting on the
•	wet multi-disc brakes

The braking system meets the requirements of the EC guidelines 71/320.



Design	"Stereo" steering system, hydraulic servo power steering. Central oscilating frame articulation in combination with rear-axle pivot steering, and damper element
Angle of articulation	_ 30° to each side
Angle of oscillation -	
centre-pivot steering	5° to each side
Max. pressure	_ 180 bar



Attachment Hydraulics

Design	Gear pump to supply the hydraulic and steering systems (via priority valve)
Max. flow	
Max. pressure	230 bar
Cooling	Hydraulic oil cooling by thermostatically controlled
	fan and oil cooler
Filtering	Return-line filter in the hydraulic reservoir
Control	Single-lever control with Liebherr control lever,
	hydraulically actuated, with load-dependent delivery rate distribution
Lift circuit	Lifting, neutral, lowering
	and float positions controlled by Liebherr control
	lever with detent; automatic lifting-limit circuit
Tilt circuit	Tilt back, neutral, dump
	automatia huakat pacitionina



Geometry can be chosen	 Powerful Z-pattern linkage with one tilt cylinder, hydrauilc quick hitch as option Parallel linkage with two tilt cylinders, hydraulic quick hitch as standard 		
Bearings	. Sealed		
Cycle time at nominal load	. ZK	PK	
Lifting	. 6.0 s	7.3 s	
Dumping	. 2.3 s	4.2 s	
Lowering (empty)	. 4.2 s	4.1 s	



Operator's Cab

Design Degrator's seat Cab heating and ventilation	The cab is resiliently mounted on the rear section, with built in ROPS/FOPS structure, tinted safety glass window, right-hand door with gap opener arrangement. Adjustable steering column available as optional extra ROPS roll over protection per EN/ISO 3471/EN 474-1 FOPS falling objects protection per EN/ISO 3449/EN 474-1 6 way adjustable seat with seat belt, adjustable for operator's weight (mechanically sprung) With defrosting, fresh-air filter, airrecirculated-air mode and heater supplied from engine's cooling
	system. Air conditioning is optional equipment



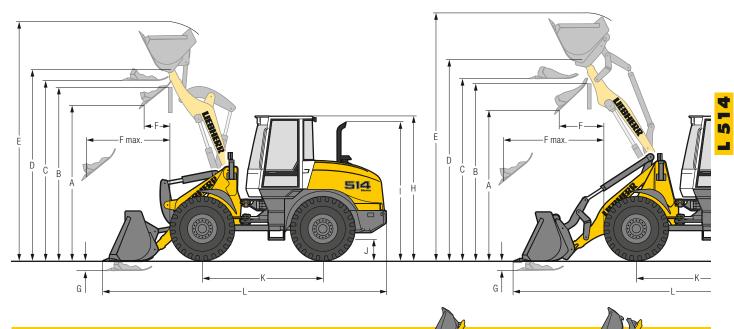
ISO 6396	. L	(inside cab)	=	70 dB(A)
Sound power level	рл	,		` '
2000/14/EC	L _{WA}	(surround noise)	= 1	100 dB(A)



Capacities

Fuel tank	160 I
Ingine oil (inclusive filter change)	13
Fravel gear and rear axle differential	21
Front axle/differential	8.9 I
Rear axle/differential	8.7 I
Hydraulic tank	95 I
Hydraulic system total	125 I

Dimensions



Exce	ıvation Bucket					s ()-1
	Geometry		ZK	ZK	ZK-QH	PK-QH
	Cutting tools		Т	Т	Т	Т
	Lift arm length	mm	2,350	2,350	2,350	2,400
	Bucket capacity according to ISO 7546 **	m ³	1.5	1.7	1.5	1.4
	Specific material density	t/m³	1.8	1.6	1.7	1.8
	Bucket width	nm/kg	2,400/620	2,400/655	2,400/570	2,400/590
Α	Dumping height at max. lift height and 44° discharge	mm	2,855	2,710	2,775	2,985
В	Dump-over height	mm	3,260	3,260	3,260	3,430
С	Max. height of bucket bottom	mm	3,440	3,440	3,440	3,610
D	Max. height of bucket pivot point	mm	3,675	3,675	3,675	3,860
Е	Max. operating height	mm	4,550	4,725	4,680	4,840
F	Reach at max. lift height and 44° max. discharge	mm	830	955	915	785
F max.	Max. outreach at 44° discharge	mm	1,500	1,560	1,608	1,703
G	Digging depth	mm	53	53	53	35
Н	Height above cab	mm	3,070	3,070	3,070	3,070
1	Height above exhaust	mm	2,890	2,890	2,890	2,890
J	Ground clearance	mm	385	385	385	385
K	Wheelbase	mm	2,600	2,600	2,600	2,600
L	Overall length	mm	6,135	6,340	6,395	6,330
	Turning circle radius over outside bucket edge (carry position	n) mm	4,510	4,610	4,565	4,610
	Breakout force (SAE)	kN	77	72	72	77
	Tipping load, straight*	kg	6,200	6,100	5,745	5,385
	Tipping load, articulated at 30°*	kg	5,680	5,590	5,260	4,920
	Operating weight*	kg	8,350	8,390	8,510	8,520
	Tyre sizes		17.5R25 L3	17.5R25 L3	17.5R25 L3	17.5R25 L3

The figures shown here are valid with tyres above, includes all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator. Different tyres and optional equipment will change the operating weight and tipping load. (Tipping load, articulated 30° according to ISO 14397-1).

ZK = Z-bar linkage

ZK-QH = Z-bar linkage with hydraulic quick hitch

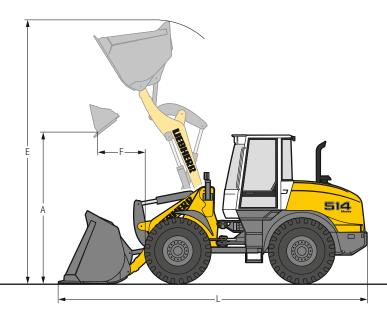
PK-QH = Parallel linkage with hydraulic quick hitch

= Welded-on tooth holder with add-on teeth

Notice: Quick hitch compatibility between L 514Stereo up to L 526 – L 538.

^{**} Actual bucket capacity may be approx. 10 % larger than the calculation according to ISO 7546 standard. The degree to which the bucket can be filled depends on the material - see page 25.

Light Material Bucket



			PA
Light Material Bucket		4	
Geometry		ZK-QH	PK-QH
Cutting tools		BOCE	BOCE
Bucket capacity	m ³	2.0	2.0
Specific material density	t/m³	1.3	1.1
Bucket width	mm	2,500	2,500
A Dumping height at max. lift height	mm	2,757	2,870
E Max. operating height	mm	4,845	5,075
F Reach at maximum lift height	mm	930	940
L Overall length	mm	6,290	6,535
Tipping load, straight *	kg	5,600	5,155
Tipping load, articulated 30°*	kg	5,450	4,720
Operating weight*	kg	8,500	8,683
Tyre sizes		17.5R25 L3	17.5R25 L3

^{*} The figures shown here are valid with tyres above, includes all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator. Different tyres and optional equipment will change the operating weight and tipping load. (Tipping load, articulated 30° according to ISO 14397-1)

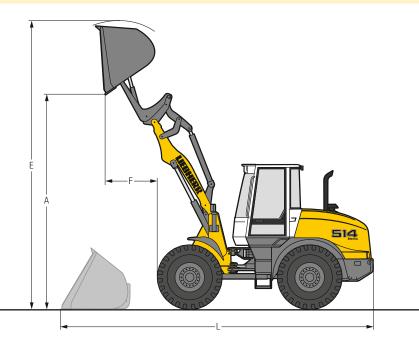
ZK-QH = Z-bar linkage with hydraulic quick hitch

PK-QH = Parallel linkage with hydraulic quick hitch

BOCE = Bolt-on cutting edge

Notice: Quick hitch compatibility between L 514Stereo up to L 526 – L 538.

High-Dump Bucket



			· 🕟
Heavy Material Density			
Geometry		ZK-QH	PK-QH
Cutting tools		BOCE	BOCE
Discharge angle		34° ¹)	37° ¹)
Bucket capacity	m³	2.5	2.5
Specific material density	t/m³	0.8	0.8
Bucket width	mm	2,500	2,500
A Dumping height at max. lift height	mm	4,260	4,360
E Max. operating height	mm	5,865	5,980
F Reach at maximum lift height	mm	1,330	1,325
L Overall length	mm	6,955	7,100
Tipping load, straight *	kg	5,070	4,400
Tipping load, articulated 30° *	kg	4,640	4,040
Operating weight *	kg	9,660	9,700
Tyre sizes		17.5R25 L3	17.5R25 L3

			Po
Light Material Density			
Geometry		ZK-QH	PK-QH
Cutting tools		BOCE	BOCE
Discharge angle		34° ¹)	37° ¹)
Bucket capacity	m³	2.5	2.5
Specific material density	t/m³	0.8	0.8
Bucket width	mm	2,500	2,500
A Dumping height at max. lift height	mm	4,165	4,265
E Max. operating height	mm	5,735	5,855
F Reach at maximum lift height	mm	1,345	1,325
L Overall length	mm	6,900	7,045
Tipping load, straight *	kg	5,230	4,600
Tipping load, articulated 30° *	kg	4,780	4,200
Operating weight *	kg	9,380	9,420
Tyre sizes		17.5R25 L3	17.5R25 L3

^{*} The figures shown here are valid with tyres above, includes all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator. Different tyres and optional equipment will change the operating weight and tipping load. (Tipping load, articulated 30° according to ISO 14397-1)

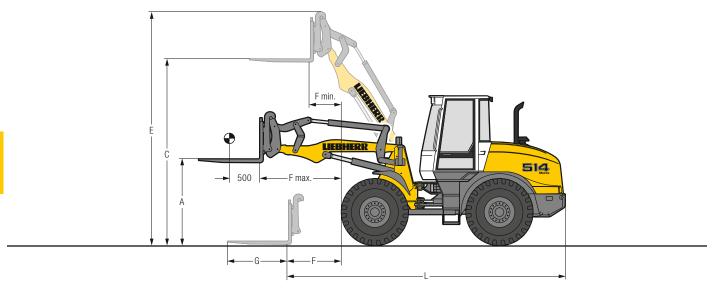
ZK-QH = Z-bar linkage with hydraulic quick hitch PK-QH = Parallel linkage with hydraulic quick hitch

BOCE = Bolt-on cutting edge

Notice: Quick hitch compatibility between L 514Stereo up to L 526 - L 538.

¹⁾ Actuation of the function: "Discharge high-dump bucket"

Fork Carrier and Fork



FEM	III Fork Carrier and Fork		_	
	Geometry		ZK-QH	PK-QH
Α	Lifting height at max. reach	mm	1,715	1,700
С	Max. lifting height	mm	3,497	3,655
Е	Max. operating height	mm	4,420	4,580
F	Reach at loading position	mm	815	965
F max.	Max. reach	mm	1,500	1,615
F min.	Reach at max. lifting height	mm	678	605
G	Fork length	mm	1,200	1,200
L	Length – basic machine	mm	5,610	5,640
	Tipping load, straight *	kg	4,400	4,230
	Tipping load, articulated 30° *	kg	4,030	3,870
	Recommended payload for uneven ground			
	= 60 % of tipping load (full articulated) ***	kg	2,410	2,320
	Recommended payload for smooth surfaces			
	= 80 % of tipping load (full articulated) ***	kg	2,840	3,095
	Operating weight *	kg	8,370	8,365
	Tyre sizes		17.5R25 L3	17.5R25 L3

The figures shown here are valid with tyres above, includes all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator. Different tyres and optional equipment will change the operating weight and tipping load. (Tipping load, articulated 30° according to ISO 14397-1).

ZK-QH = Z-bar linkage with hydraulic quick hitch PK-QH = Parallel linkage with hydraulic quick hitch

Notice: Quick hitch compatibility between L 514Stereo up to L 526 – L 538.

^{***} According to EN 474-3

Tyres

	Size and		Change of	Width	Change in vertical	
	tread code		operating weight	over tyres	dimensions*	Use
			kg	mm	mm	
507steree						
Bridgestone	405/70R20 VUT	L2	+ 120	1,930	+ 47	Gravel, Asphalt (all ground conditions)
Dunlop	365/70R18 SP T9	L2	0	1,890	0	Sand, Gravel, Asphalt (all ground conditions)
Dunlop	405/70R18 SP T9	L2	+ 56	1,920	+ 23	Sand, Gravel, Asphalt (all ground conditions)
Ounlop	365/80R20 SP T9	L2	+ 76	1,890	+ 55	Sand, Gravel, Asphalt (all ground conditions)
unlop	405/70R20 SP T9	L2	+ 112	1,920	+ 49	Sand, Gravel, Asphalt (all ground conditions)
irestone	340/80R18 Duraforce UT	L3	+ 37	1,880	+ 14	Gravel, Asphalt, Industry (all ground conditions)
irestone	405/70R18 Duraforce UT	L3	+ 108	1,930	+ 22	Gravel, Asphalt, Industry (all ground conditions)
irestone	365/80R20 Duraforce UT	L3	+ 96	1,900	+ 52	Gravel, Asphalt, Industry (all ground conditions)
irestone	400/70R20 Duraforce UT	L3	+ 138	1,920	+ 42	Gravel, Asphalt, Industry (all ground conditions)
irestone	400/70R20 R8000 UT	L2	+ 115	1,920	+ 42	Earthworks, Green area (all ground conditions)
/lichelin	9.00R20 X MINE D2	L5	+ 340	1,900	+ 46	Stone, Scrap, Recycling (firm ground conditions)
/lichelin	400/70R20 BIBLOAD	L3	+ 112	1,920	+ 37	Gravel, Asphalt, Industry (firm ground conditions)
/lichelin	400/70R20 XMCL	L2	+ 128	1,930	+ 43	Earthworks, Green area (all ground conditions)
/litas	365/70R18 EM-01	L2	+ 16	1,900	- 1	Gravel, Asphalt (all ground conditions)
∕litas	365/80R20 EM-01	L2	+ 88	1,900	+ 51	Gravel, Asphalt (all ground conditions)
/litas	405/70R18 EM-01	L2	+ 72	1,930	+ 24	Gravel, Asphalt (all ground conditions)
/litas	405/70R20 EM-01	L2	+ 108	1,930	+ 49	Gravel, Asphalt (all ground conditions)
relleborg	400/70R20 TH400	L2	+ 122	1,920	+ 37	Earthworks, Green area (all ground conditions)
509steree						, , ,
Ounlop	405/70R18 SP T9	L2	0	2,110	0	Sand, Gravel, Asphalt (all ground conditions)
Dunlop	405/70R20 SP T9	L2	+ 56	2,110	+ 26	Sand, Gravel, Asphalt (all ground conditions)
Dunlop	455/70R20 SP T9	L2	+ 126	2,160	+ 55	Sand, Gravel, Asphalt (all ground conditions)
irestone	365/80R20 Duraforce UT	L3	+ 40	2,070	+ 29	Gravel, Asphalt, Industry (all ground conditions)
irestone	400/70R20 Duraforce UT		+ 82	2,110	+ 19	Gravel, Asphalt, Industry (all ground conditions)
irestone	405/70R18 Duraforce UT		+ 52	2,120	- 1	Gravel, Asphalt, Industry (all ground conditions)
irestone	400/70R20 R8000 UT	L2	+ 59	2,110	+ 19	Earthworks, Green area (all ground conditions)
/lichelin	9.00R20 X MINE D2	L5	+ 284	2,090	+ 23	Stone, Scrap, Recycling (firm ground conditions)
/lichelin	400/70R20 BIBLOAD	L3	+ 56	2,110	+ 14	Gravel, Asphalt, Industry (firm ground conditions)
/lichelin	400/70R20 XMCL	L2	+ 72	2,120	+ 20	Earthworks, Green area (all ground conditions)
/litas	405/70R18 EM-01	L2	+ 16	2,120	+ 1	Gravel, Asphalt (all ground conditions)
∕iitas	405/70R20 EM-01	L2	+ 52	2,120	+ 26	Gravel, Asphalt (all ground conditions)
relleborg	400/70R20 TH400	L2	+ 66	2,110	+ 14	Earthworks, Green area (all ground conditions)
. 514steree	400/701120 111400	LZ	+ 00	2,110	T 14	Laitiworks, dieen alea (all ground conditions)
	17.5R25 VJT	L3	+ 91	2,360	+ 18	Bulk material (firm ground conditions)
	15.5R25 VSDL	L5	+ 374	2,340	+ 24	Gravel, Earthworks, Clay (all ground conditions)
•	17.5R25 VSDL	L5	+ 628	2,340	+ 57	, , , , , , , , , , , , , , , , , , , ,
						Stone, Scrap, Recycling (firm ground conditions)
•	550/65R25 VTS	L3	+ 377	2,470	+ 12	Gravel (all ground conditions)
Goodyear	17.5R25 RT-3B	L3	+ 165	2,380	+ 21	Gravel (all ground conditions)
Goodyear	17.5R25 TL-3A+	L3	+ 233	2,380	+ 23	Sand, Gravel, Earthworks, Clay (all ground conditions)
Goodyear	17.5R25 RL-4K	L4	+ 545	2,370	+ 42	Gravel, Industry, Stone (firm ground conditions)
Goodyear	17.5R25 RL-5K	L5	+ 669	2,370	+ 42	Stone, Scrap, Recycling (firm ground conditions)
/lichelin	17.5R25 XHA	L3	0	2,370	0	Sand, Gravel (all ground conditions)
Michelin	17.5R25 XLDD2A	L5	+ 354	2,370	+ 37	Stone, Mining spoil (firm ground conditions)
/lichelin	550/65R25 XLD65	L3	+ 427	2,470	+ 18	Gravel (all ground conditions)
/lichelin	15.5R25 X MINE D2	L5	+ 461	2,370	+ 27	Stone, Scrap, Recycling (firm ground conditions)
/lichelin	17.5R25 X MINE D2	L5	+ 538	2,400	+ 59	Stone, Scrap, Recycling (firm ground conditions)

^{*}The stated values are theoretical and may deviate in practice.

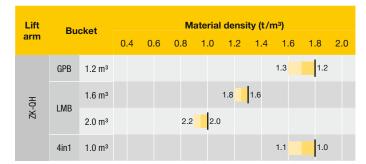
Before operating the vehicle with tyre foam filling or tyre protection chains, please discuss this with the Liebherr-Werk Bischofshofen GmbH.

Bucket Selection

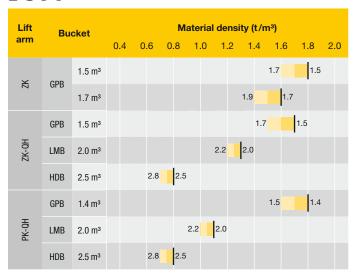
L 507

Lift Material density (t/m³) Bucket 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 0.9 GPB 0.9 m³ 1.3 1.2 m³ 1.6 m³ 0.8 0.9 4in1 0.8 m³

L 509



L 514



Bucket Filling Factor



Lift Arm

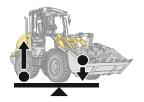
ZK	Z-bar linkage, standard lift arm length
ZK-QH	Z-bar linkage including quick hitch, standard lift arm length
PK-QH	Parallel linkage including quick hitch, standard lift arm
	length

Bucket

GPB	General purpose bucket (Excavation bucket)
LMB	Light material bucket
HDB	High-dump bucket
4in1	4 in 1 bucket

Rull I	Material	Donsil	lias	and Rue	ket Filling	Eact	are.				
DOIR I	vidicilai	t/m³		diid bot	kei i iiiiig	t/m³	%			t/m³	%
Gravel,	moist	1.9	105	Earth,	dry	1.3	115	Glass waste,	broken	1.4	100
	dry	1.6	105		wet excavated	1.6	110		solid	1.0	100
	crushed stone	1.5	100	Topsoil		1.1	110	Compost,	dry	0.8	105
Sand,	dry	1.5	105	Basalt		1.95	100		wet	1.0	110
	wet	1.9	110	Granite		1.8	95	Wood chips/	saw dust	0.5	110
Gravel and	dry	1.7	105	Sandstone		1.6	100	Paper,	shredded/loose	0.6	110
sand,	wet	2.0	100	Slate		1.75	100		recovered paper/		
Sand/clay		1.6	110	Bauxite		1.4	100		cardboard	1.0	110
Clay,	natural	1.6	110	Limestone		1.6	100	Coal,	heavy material density	1.2	110
	dry	1.4	110	Gypsum,	broken	1.8	100		light material density	0.9	110
Clay/gravel,	dry	1.4	110	Coke		0.5	110	Waste,	domestic waste	0.5	100
	wet	1.6	100	Slag,	broken	1.8	100		bulky waste	1.0	100

Tipping Load



What is Tipping Load?

Load at centre of gravity of working equipment, so that the wheel loader just begins to tip over the front axle. This is the most unfavourable static-load position for the wheel loader. Lifting arms horizontal, wheel loader fully articulated at centre pivot.









Pay Load.

The pay load must not exceed $50\,\%$ of the tipping load when articulated.

This is equivalent to a static stability-margin factor of 2.0.

Bucket Capacity.

The bucket volume is determined from the pay load.

Pay load =

Tipping load, articulated

Bucket capacity =

Pay load (t) Specific bulk weight of

material (t/m3)

The Liebherr Wheel Loaders

				. 🗇		and the
Wheel Loader						
		L 506 _{Compact}	L 507 Stores	L 508 _{Compact}	L 509steree	L 514steree
Tipping load	kg	3,450	3,712	3,850	4,430	5,750
Bucket capacity	m³	0.8	0.9	1.0	1.2	1.5
Operating weight	kg	5,180	5,470	5,600	6,390	8,860
Engine output (ISO 14396)	kW/HP	46/63	50/68	50/68	54/73	76/103

Wheel Loader						
		L 518 steree	L 526	L 538	L 546	L 550xPower®
Tipping load	kg	6,550	7,700	9,500	10,500	12,200
Bucket capacity	m ³	1.7	2.1	2.6	2.8	3.2
Operating weight	kg	9,190	11,250	13,500	14,200	17,700
Engine output (ISO 14396)	kW/HP	76/103	100/136	111/151	120/163	140/191

Wheel Loader				P.O. BO	TO THE OF	
		L 556xPower®	L 566xPower®	L 576xPower®	L 580xPower®	L 586 _{XPower®}
Tipping load	kg	13,700	15,900	17,600	19,200	21,600
Bucket capacity	m ³	3.6	4.2	4.7	5.2	6.0
Operating weight	kg	18,400	23,900	25,700	27,650	32,600
Engine output (ISO 14396)	kW/HP	165/224	200/272	215/292	230/313	260/354

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Equipment

(IT)			
Basic Wheel Loader	507	509	514
Automatic central lubrication system	+	+	+
Battery master switch	•	•	•
Tool kit	•	•	•
Diesel particle filter	•	•	•
Electronical theft protection	+	+	+
Automatic travel mode	•	•	•
Ride control	+	+	+
Particle protection for radiator	+	+	+
Pre-heat system for cold starting	•	•	•
Combined inching-braking system	•	•	•
Multi-disc limited slip differentials in both axles	•	•	•
LiDAT (Liebherr Data Transfer System)	+	+	+
Liebherr shock absobing element	•	•	•
Air cleaner system with pre-filter	•	•	•
Emergency steering system	•	•	•
Warning device for travel in reverse	+	+	+
Tail lights, single version	•	•	•
Amber beacon	+	+	+
Headlights front, single version (on front chassis) - halogen	•	•	•
Protective ventilation system	+	+	+
30 km/h Maximum speed - Speeder version only	+	+	•
Dust filter system	+	+	+
Lockable doors, service flap and engine hood	•	•	•
Load lashing lugs	•	•	•
Air pre-cleaner	+	+	+
Towing hitch	•	•	•
Additional toolbox in access step area	+	+	+
20 km/h speed limiting – Speeder version only	+	+	+

Operator's Cab	507	509	514
Storage compartment	•	•	•
Storage box	•	•	•
Ashtray	•	•	•
Folding outside mirrors	•	•	•
Tool kit	•	•	•
Operator's package	•	•	•
Operator seat "Comfort" – air sprung with seat heating	+	+	+
Operator seat "Standard" – mechanically sprung	•	•	•
Fire extinguisher 2 kg	+	+	+
Cup holder	•	•	•
Horn	•	•	•
Floor mat	•	•	•
Clothes hook	•	•	•
Air conditioning system	+	+	+
Steering column, adjustable	+	+	+
Emergency exit	•	•	•
Preparation for radio installation	+	+	+
Radio Liebherr "Comfort" (SD/USB/AUX/BLUETOOTH/handsfree set)	+	+	+
Radio Liebherr "Standard" (SD/USB/AUX)	+	+	+
Interior rear-view mirror	•	•	•
Soundproof ROPS/FOPS cab	•	•	•
Wash/wipe system for windscreen and rear window	•	•	•
Headlights rear, single or in double cluster – halogen	+	+	+
Headlights front, in double cluster – halogen	+	+	+
Headlights front, single version – halogen	•	•	•
Sliding window	+	+	+
Sun visor	•	•	•
Plug 12 V	•	•	•
First aid kit	+	+	+
Hot-water heater with defroster and recirculated-air system	•	•	•

Instruments for	507	509	514
Timer for hours of operation	•	•	•
Flashing turn indicators	•	•	•
Diagnosis system - Speeder version only	•	•	•
Rev. counter - Speeder version only	•	•	•
Travel speed ranges and gear selected	•	•	•
High-beam headlights	•	•	•
Fuel reserve	•	•	•
Engine oil temperature	-	-	•
Engine oil temperature – Speeder version only	•	•	•
Reverse travel	•	•	•
Speedometer - Speeder version only	•	•	•
Clock - Speeder version only	_	-	•
Diesel engine pre-heat	•	•	•
Forward travel	•	•	•

<u>*</u>			
Warning Lights for	507	509	514
Emissions temperature high	•	•	•
Battery charge	•	•	•
Diesel particle filter	•	•	•
Parking brake	•	•	•
Hydraulic oil temperature	•	•	•
Air cleaner blockage	•	•	•
Engine oil pressure	•	•	•
Engine stop	•	•	•
Engine overheat	•	•	•
Engine error	•	•	•

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Function Keys for	507	509	514
Working lights rear	+	+	+
Working lights front	•	•	•
Diesel particulate filter operation	•	•	•
Speed range selection	•	•	•
Ride control	+	+	+
Parking brake – Speeder version only	•	•	•
Hoist kick out	+	+	+
Air conditioning	+	+	+
Creep speed	•	•	•
Mode switch for speed, operating hour, engine speed - Speeder version only	•	•	-
Mode switch for speed, operating hour, clock - Speeder version only	-	_	•
Amber beacon	+	+	+
Automatic bucket positioner	+	+	•
Wash/wipe system for rear window	•	•	•
Headlights	•	•	•
Float position	•	•	•
Road travel	•	•	•
Hazard warning flashers	•	•	•
Locking of additional function	+	+	+

			_
Rotary Switches for	507	503	514
Fresh-air or recirculated-air system	•	•	•
Blower	•	•	•
Heater	•	•	•

Equipment	507	509	514
Automatic hoist kick out – adjustable	+	+	+
Automatic bucket positioner – adjustable	+	+	•
Fork carrier and lift forks	+	+	+
High Flow hydraulic	+	+	-
High-dump bucket	+	+	+
Hydraulic quick hitch - Parallel linkage	-	-	•
Hydraulic quick hitch – Z-bar linkage	•	•	+
Hydraulic servo control of working hydraulics	•	•	•
Loading buckets with and without teeth, or bolt-on cutting edge	+	+	+
Country-specific versions	+	+	+
Light material bucket	+	+	+
Parallel linkage	-	_	+
Load holding valves	+	+	+
Float position	•	•	•
Z-bar linkage	•	•	•
3rd hydraulic control circuit	+	+	+
3rd and 4th hydraulic control circuits	+	+	+

• = Standard, + = Option, - = not available