

Performance

Powerful and efficient – for the highest level of performance

Economy

Resource-saving like no other – constantly reducing operating costs

Reliability

Durability and dependability – quality down to the last detail

Comfort

Perfection at a glance – when technology enables safety and comfort

Maintainability

Time and cost savings – thanks to simple maintenance



L 524

Tipping load, articulated 7,500 kg

Bucket capacity
2.0 m³

Operating weight
10,400 kg
Engine output
86 kW/117 HP

L 538

Tipping load, articulated 9,500 kg

Bucket capacity
2.5 m³

Operating weight
12,800 kg
Engine output
104 kW/141 HP



L 550

Tipping load, articulated 12,430 kg Bucket capacity 3.4 m³ Operating weight 17,750 kg Engine output 168 kW/228 HP

L 566

Tipping load, articulated 15,900 kg Bucket capacity 4.2 m³ Operating weight 23,450 kg Engine output 200 kW/272 HP

L 580

Tipping load, articulated 18,950 kg Bucket capacity 5.2 m³ Operating weight 26,950 kg Engine output 219 kW / 298 HP

Performance



Powerful and efficient – for the highest level of performance

The innovative Liebherr driveline considerably increases working efficiency. Quick loading cycles, high tipping loads and high machine availability lead to increased handling capacity.





Reliable and powerful performance

- Strong construction and rugged steel components are perfectly adapted to each other
- Remove regulation of acceleration without noticeable gear shifts or interruption in tractive force

Lift arm variants optimised for every application

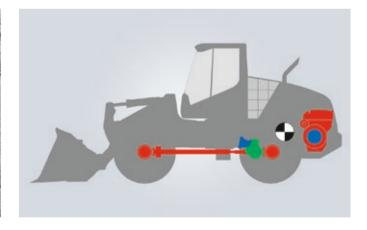
- Z-bar linkage for high torque in the lower lifting range of the lift arm - simple, quick filling of the bucket leads to high handling capacity
- Parallel linkage for L 524 L 538 or industrial linkage for L 550 - L 580 have especially high torque in the upper lifting range





Wide range of applications

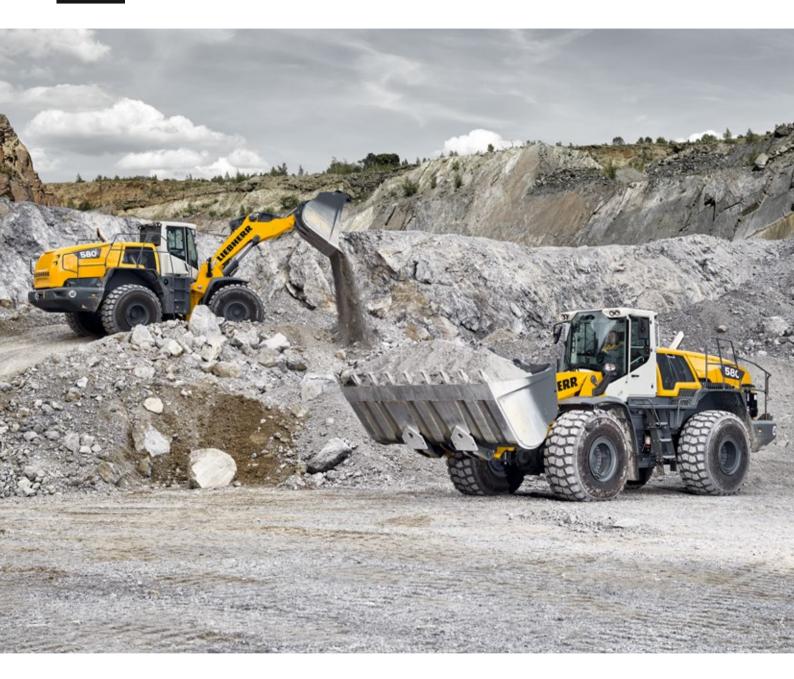
- Multitude of uses can easily be covered thanks to the variety of robust buckets from Liebherr
- Optimized high lift lift arm for improved discharge heights for high boardwall sides



Higher productivity at lower weight

- Components act as counterweight
- L 524 L 550 transverse-mounted diesel engine
- L 566 L 580 longitudinally-mounted diesel engine, output shaft faces the rear
- Higher tipping loads at lower operating weight

Economy



Resource-saving like no other – constantly reducing operation costs

Liebherr wheel loaders are designed with the customer in mind. The fuel-efficient drive concept reduces operating costs and environmental impact at maximum handling capacity. The hydrostatic drive, combined with automatic limited slip differential, delivers excellent traction while also preventing wheel spin. Productivity is increased and tyre wear reduced.



Lower fuel consumption

- Liebherr driveline achieves a reduction in fuel consumption of up to 25%
- Noticeable reduction in operating costs
- Lower fuel consumption cuts emissions, protecting the environment



Hardly any brake wear

- Liebherr driveline brakes automatically
- Service break acts as an additional support
- Very low wear and tear



Minimal tyre wear

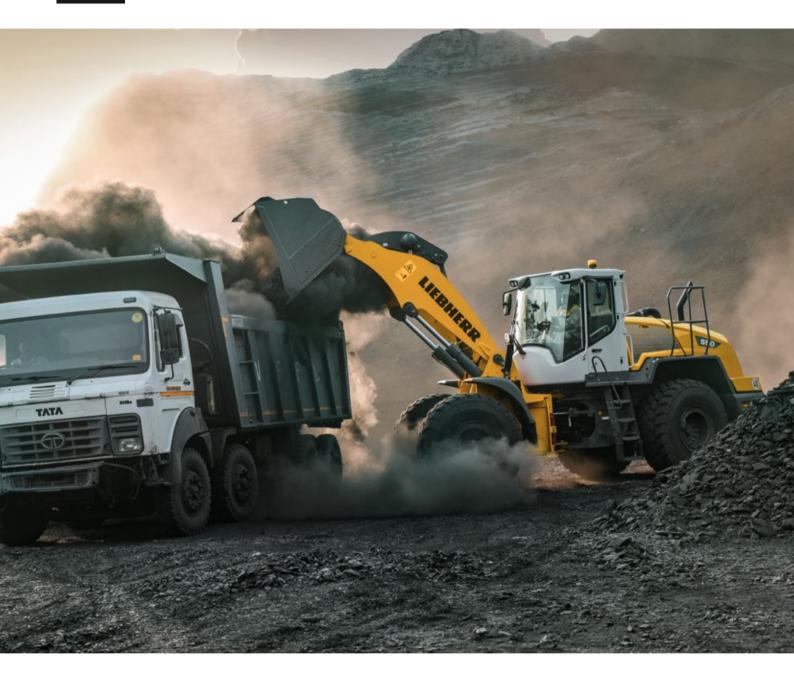
- Continuous tractive force, combined with automatic limited slip differential, prevents wheelspin
- Productivity is increased
- Tyre wear reduced by up to 25%



Efficient management with LiDAT:

- Evaluation of machine usage and fuel consumption for economic machine and fleet management
- All important machinery data can be viewed in a web browser
- LiDAT comes as standard incl. 1 year free-of-charge use

Reliability



Durability and sustainability – quality down to the last detail

Liebherr wheel loaders provide maximum performance even under the toughest of operating conditions. Specially-developed components, sophisticated technology and high quality materials offer a high level of reliability and availability. The intelligent cooling system guarantees continuous cooling output while simultaneously reducing cleaning expenses, resulting in more efficient and cost-effective work.



Strong components ensure a long lifetime

- Many decades of experience in the development, construction and production of components
- Ideal interaction of components to each other for maximum performance
- Maximum quality even under the toughest operating conditions
- Rugged, durable machines for reliable operations



Intelligent cooling system

- Cooling system located in the cleanest area of the wheel loader
- High machine availability thanks to lower radiator contamination
- Controlled cooling through thermostatic control for reliable operations



Optional equipment for dusty applications

- Reversible fan drive, fluff trap for the radiator and largemesh radiator ensures the cooling system stays free of contaminants
- Guarantees continuous cooling output
- Reduces cleaning expenses



Highest quality for durable machines

- Liebherr stands for the highest quality down to the smallest detail and guarantees longlasting machines thanks to outstanding engineering and decades of experience
- Thanks to continuous further process improvement, the use of the latest technologies in development and production, and compliance with the latest standards, Liebherr offers engineering at the highest level

Comfort



Perfection at a glance – when technology is comfortable and safe

The more comfortable the operator, the more productive the work. The cab design is optimally adapted to the operator's day-to-day requirements. Roomy and ergonomic, the operators cab offers perfect conditions for safe, comfortable, and productive work.



Exceptional all-around visibility

- Unobstructed visibility in all directions through optimal cab and engine hood design
- Impressive glass surfaces offer exceptional all-around visibility of the attachment and working area
- Optional rear view camera
- Maximum safety, for persons both in and around the machine, as well as for the machine and load itself – while also increasing productivity



Ergonomic cab

- Modern, ergonomic cab design maintain a high degree of concentration, while minimizing fatigue
- Carefully coordinated displays, controls, and operator's seating position form an ergonomic unit
- Optimum storage areas and stowage spaces increase operator well-being
- Air conditioning system as standard ensures a pleasant temperature year-round



Liebherr control lever

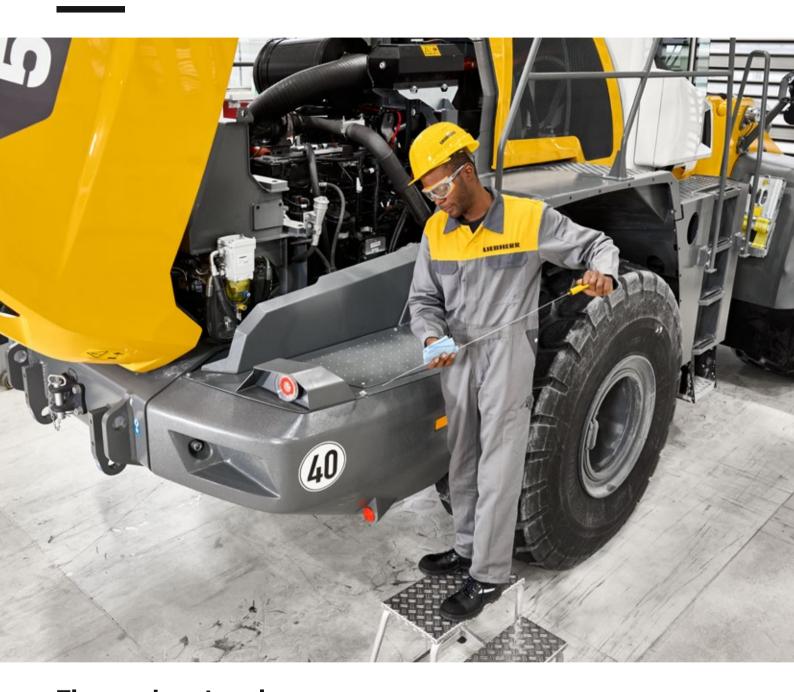
- Simple, intuitive and ergonomic operation
- Control operating manoeuvres with a single control lever
- Precise, sensitive and safe control of the machine
- Left hand can always remain on the steering wheel increases safety at the job site
- Proportional control of hydraulic attachments is carried out by the Liebherr control lever with mini-joystick, which is optional for L 566 - L 580



More comfort due to technology

- Programmable automatic lifting and lowering
- Automatic & programmable bucket return-to-dig
- Dump speed reduction
- Weighing system functions automatically and intelligently, with dynamic weighing area adjustment
- "Truck Payload Assist" ensures precise and efficient loading

Maintainability



Time and cost savings – through simple maintenance

The most important points for daily maintenance of Liebherr wheel loaders can be reached safely and conveniently from one point. Quick and safe checks save time and money.



Efficient and simple maintenance

- Well thought-out component installation positioning provides excellent accessibility for maintenance
- Less contamination of the radiator thanks to its clever position behind the operator's cab
- Quick and safe checks saves time and money



Optimum service accessibility

- Most access points for daily maintenance are accessible via just one enclosure
- The most important points for daily care can be easily reached from one point
- Short downtimes leads to more efficiency



Trustworthy partnership with strong service

- Optimum service and quick replacement part provision due to a robust service network and a highly-modern central warehouse
- Quick and reliable service carried out by qualified service specialists
- Speed-optimized servicing increases the availability and profitability of the machine



Extended warranties and service packages

- Extended powertrain and full-machine warranties available from the manufacturing plant to the sales partner
- Three different levels of "CarePack" service packages, Service, Comfort, and Premium, offer even more ease of maintenance

Wheel loaders L 524 – L 580 overview

Equipment

Equipped for every application – Liebherr offers three lift arm versions for the new model. The zbar kinematics, which come to the fore particularly in the lower lifting range and for the break out force. Secondly, the industrial kinematics for working with heavy working tools such as high dump buckets and log grapplers. And the high lift lift arms – an extens ded version of the z-bar kinematics with the longest lift arms in this wheel loader segment. These ensure greater reach and more productive loading procedures at great heights.



Liebherr driveline

Powerful and efficient – Thanks to increases in engine power the travel drive is even more powerful while maintaining the same low fuel consumption. The diesel engine is installed in the rear, where it acts as a counterweight thereby increasing the tip load for the wheel loaders. The continuous traction control, combined with automatic self-locking differential, prevents wheelspin and safes tyre wear.



Operator's cab

Excellent all-round visibility – The clean lines on the rear as well as the large glass surfaces in the cab facilitate a perfect view. The new reversing camera assists the machine operator to keep an eye on the area to the rear. This increases performance and productivity and ensure an easy and safe operation. The Liebherr control lever enables the highly-sensitive control work movements as part of the modern operating concept which includes also a height-adjustable 9-inch touch display with intuitive menu navigation.

Intelligent cooling system

Clean and clever – A perfect located radiator ensures a high machine availability through minimal cleaning expenses. It is installed directly behind the operator's cab – the cleanest position on the wheel loader – this increases the service life of the components and ensure a constant and reliable cooling.

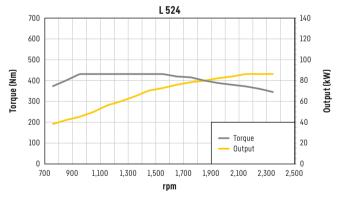
Service accessibility

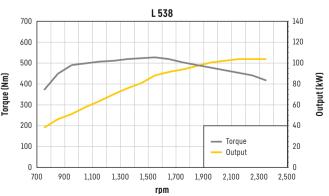
Simple, safe and fast – Numerous details that have been seamlessly integrated in the wheel loaders' exterior design make service work easier and safes time in daily maintenance. This ensures short service times for more productivity. In addition to that LiDAT offers a perfect fleet park management for machinery data recording and diagnostics and is available ex factory.

Technical data

Diesel engine

	•		
		L 524	L 538
Diesel engine		4045HF286	4045HF286
Design		Water-cooled, turbo charged	, intercooled
Cylinder inline		4	4
Fuel injection process		Electronic Common Rail high	-pressure injection
Max. gross output			
to ISO 3046	kW/HP	86/117	104/141
and SAE J1995	at RPM	2,200	2,200
Max. net output			
to ISO 9249	kW/HP		102/139
and SAE J1349	at RPM	2,200	2,200
Rated output			
to ISO 14396	kW/HP	,	104/141
	at RPM	2,400	2,400
Max. net torque to			
ISO 9249 and SAE J1349	Nm	416	508
5' 1	at RPM	-,	1,400
Displacement	litres	4.5	4.5
Bore / Stroke	mm	106/127	106/127
Stage IIIA (compliant)		A	D.O./
Harmful emissions values		According to regulation ECE- Power Band H	K.96
Air cleaner system		Dry air filter with main and sa service indicator	afety element, pre-cleaner,
Electrical system			
Operating voltage	V	24	24
Battery	Ah	2 x 135	2 x 135
Alternator	V/A	28/100	28/100
Starter	V/kW	24/7	24/7





Driveline

Continuous hydrostatic driveline						
Design	Swash plate type variable flow pump and two variable axial piston motors in closed loop circuit and axle traifer case. Direction of travel is reversed by changing the flow-direction of the variable-displacement pump					
Filtration	Suction return line filter for closed circuit					
Control	By travel and inching pedal. The inching pedal makes it possible to control the tractive and thrust forces steplessly at full engine speed. The Liebherr control lever is used to control forward and reverse travel					
Travel speed range	Speed range 1 0 4 km/h Speed range A1 - 2 0 - 15 km/h Speed range A1 - 3 0 - 40 km/h forward and reverse Speeds quoted apply with the tyres indicated as standard on loader model.					



iii Diakes	
Wear-free service brake	Self-locking of the hydrostatic driveline (acting on all four wheels) and additional pump-accumulator brake system with wet multi-disc brakes located in the differ- ential housing (two seperate brake circuits)
Parking brake	Electro-hydraulically actuated spring-loaded disc brake system on the front axle

The braking system meets the requirements of the ISO 3450.



Standard size L 524	17.5R25 L3
Standard size L 538	20.5R25 L3
Special tyres	By arrangement with the manufacturer

- Axles

		L 524	L 538
Four-wheel drive			
Front axle		Fixed	
Rear axle		Centre pivot, with	10° oscillating angle to each side
Height of obstacles which			
can be driven over	mm	470	470
		with all four whee	els remaining in contact with the ground
Differentials		Automatic limited	-slip differentials
Reduction gear		Planetary final dri	ve in wheel hubs
Track width		1,960 mm with all	types of tyres (L 524)
		1,900 mm with all	types of tyres (L 538)



•	
Design	"Load-sensing" swash plate type variable flow pump with pressure cut-off and flow control. Central pivot with two double-acting steering cylinders
Angle of articulation	40° to each side
Emergency steering	Electro-hydraulic emergency steering system, optional

Attachment hydraulics

	,				
		L 524	L 538		
Design		"Load-sensing" swash plate type variable flow pump with output and flow control, and pressure cut-off in the control block			
Cooling		Hydraulic oil fan and oil c	cooling using thermostatically controlled ooler		
Filtration		Return line f	ilter in the hydraulic reservoir		
Control		Liebherr control lever with hydraulic servo control			
Lifting function		Lifting, neuti Float positio detent	ral, lowering n controlled by Liebherr control lever with		
Tilt function		Tilt back, nei Automatic bi	utral, dump ucket return to dig as standard		
Max. flow	l/min.	102	170		
Max. pressure	bar	315	350		

Attachment

Attacimicit					
		L 524		L 538	
Geometry variants					
Optional		Powerfull Z-bar linkage with tilt cylinder and steel cross-tube Parallel linkage with two tilt cylinders and steel cross-tube			
Bearings		Sealed			
Cycle time at nominal load		ZK	PK	ZK	PK
Lifting	S	6.6	6.6	5.3	5.3
Dumping	S	1.8	3.5	1.6	3.5
Lowering (empty)	S	4.0	4.0	4.0	4.0



Operator's cab

Design	Elastic mounted, noise-proof cab ROPS roll over protection per EN ISO 3471/EN 474-1 FOPS falling objects protection per EN ISO 3449/ EN 474-1, Cat. II. Operator's door with 105° opening angle, ventilation opening on the right hand side, front windscreen made of laminated safety glass, green tinted as standard, side panels with single-pane safety glass, grey tinted, heated rear window. Continuously adjustable steering column and joystick control as standard
Liebherr operator's seat	6 way adjustable, vibration-damped operator's seat "Standard" (mechanically sprung, ajdustable to opera- tor's weight)
Cab heating and ventilation	4-level air control, cooling water heating, mechanical controlled heating and air conditioning system as standard

${\mathfrak P}$ Sound level

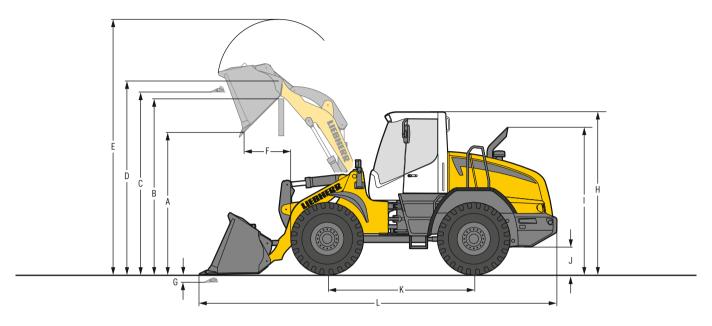
		L 524	L 538
Sound pressure level to ISO 6396			
L _{pA} (inside cab)	dB(A)	69	69
Sound power level to 2000/14/EC			
L _{WA} (surround noise)	dB(A)	102	103

Capacities

· capacitics			
		L 524	L 538
Fuel tank	l	225	225
Engine oil (inclusive filter change)	l	14.7	14.7
Transmission	l	3.8	3.8
Coolant	l	36	36
Front axle	l	16.3/2.6	16.3/2.6
Rear axle	l	15/2.6	15/2.6
Hydraulic tank	l	110	110
Hydraulic system, total	l	170	180

Dimensions

Excavation bucket (Z-bar linkage)



Excavation bucket

		L 524				
Geometry		ZK	ZK-QC	ZK	ZK	ZK-QC
Cutting tools		T	T	T	T	T
Lift arm length	mm	2,400	2,400	2,500	2,500	2,500
Bucket capacity according to ISO 7546 **	m³	2.0	1.7	2.5	2.7	2.2
Specific material density	t/m³	1.8	1.8	1.8	1.6	1.8
Bucket width	mm	2,500	2,500	2,500	2,500	2,500
A Dumping height at max. lift height and 45° discharge	mm	2,870	2,765	2,900	2,845	2,770
B Dump-over height	mm	3,335	3,320	3,480	3,480	3,475
C Max. height of bucket bottom	mm	3,530	3,530	3,680	3,680	3,680
D Max. height of bucket pivot point	mm	3,775	3,775	3,930	3,930	3,930
E Max. operating height	mm	4,860	4,915	5,170	5,260	5,230
F Reach at max. lift height and 45° discharge	mm	850	900	960	1,005	1,015
G Digging depth	mm	80	80	80	80	80
H Height above operator's cab	mm	3,200	3,200	3,250	3,250	3,250
I Height above exhaust	mm	2,860	2,860	2,910	2,910	2,910
J Ground clearance	mm	460	460	490	490	490
K Wheelbase	mm	2,850	2,850	2,975	2,975	2,975
L Overall length	mm	6,820	6,935	7,150	7,225	7,280
Turning circle radius over tyres	mm	5,170	5,170	5,350	5,350	5,350
Turning circle radius over outside bucket edge	mm	5,690	5,720	5,840	5,870	5,880
Width over tyres	mm	2,460	2,460	2,470	2,470	2,470
Breakout force (SAE)	kN	91	85	117	114	109
Tipping load, straight *	kg	8,500	7,900	10,700	10,500	10,200
Tipping load, fully articulated*	kg	7,500	7,000	9,500	9,300	9,000
Operating weight *	kg	10,400	10,800	12,800	13,000	13,200
Tyre size		17.5F	R25 L3		20.5R25 L3	

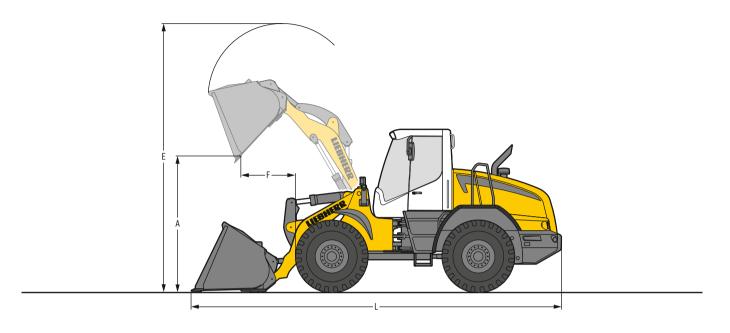
^{*} The figures shown here are valid with tyres above (optional tyres will change the vertical dimensions), includes all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator. Different tyres and optional equipment will change the operating weight and tipping load. (Tipping load, fully articulated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

** 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 22.

ZK = Z-bar linkage ZK-QC= Z-bar linkage incl. quick coupler

= Welded-on tooth holder with add-on teeth

Light material bucket (Z-bar linkage)





			L 5	24			L 538	
Geometry		ZK	ZK	ZK	ZK-QC	ZK	ZK	ZK-QC
Cutting tools		BOCE	BOCE	BOCE	BOCE	BOCE	BOCE	BOCE
Bucket capacity	m³	2.4	3.0	4.0	4.0	3.5	4.0	4.0
Specific material density	t/m³	1.0	0.8	0.5	0.5	1.0	0.8	0.8
Bucket width	mm	2,500	2,500	2,700	2.700	2,700	2,700	2,700
A Dumping height at max. lift height	mm	2,755	2,640	2,490	2,370	2,730	2,715	2,520
E Max. operating height	mm	5,025	5,160	5,300	5,430	5,360	5,440	5,590
F Reach at maximum lift height	mm	990	1,110	1,260	1,300	1,140	1,300	1,285
L Overall length	mm	7,345	7,130	7,340	7,410	7,360	7,695	7,700
Tipping load, straight *	kg	8,450	8,260	7,970	7,370	10,420	10,190	9,520
Tipping load, fully articulated *	kg	7,450	7,290	7,040	6,510	9,190	9,000	8,390
Operating weight *	kg	10,850	10,980	11,105	11,290	13,180	13,300	13,470
Tyre size			17.5R	25 L3			20.5R25 L3	

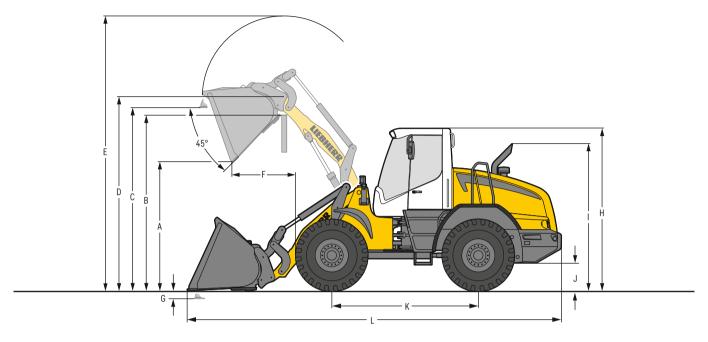
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ZK = Z-bar linkage

ZK-QC= Z-bar linkage incl. quick coupler BOCE = Bolt-on cutting edge

Dimensions

Light material bucket (parallel linkage)



E Light material bucket

-		L	524	L5	38
Geometry		PK-QC	PK-QC	PK-QC	PK-QC
Cutting tools		BOCE	BOCE	BOCE	BOCE
Lift arm length	mm	2,500	2,500	2,500	2,500
Bucket capacity according to ISO 7546 **	m³	3.0	5.5	4.0	6.5
Specific material density	t/m³	1.0	0.5	1.0	0.5
Bucket width	mm	2,750	2,750	2,750	2,700
A Dumping height at max. lift height and 45° discharge	mm	2,630	2,230	2,520	2,185
B Dump-over height	mm	3,380	3,380	3,430	3,430
C Max. height of bucket bottom	mm	3,595	3,595	3,645	3,645
D Max. height of bucket pivot point	mm	3,835	3,835	3,890	3,890
E Max. operating height	mm	5,290	5,670	5,460	5,925
F Reach at max. lift height and 45° discharge	mm	1,220	1,630	1,300	1,650
G Digging depth	mm	55	55	35	35
H Height above operator's cab	mm	3,200	3,200	3,250	3,250
I Height above exhaust	mm	2,860	2,860	2,910	2,910
J Ground clearance	mm	460	460	490	490
K Wheelbase	mm	2,850	2,850	2,975	2,975
L Overall length	mm	7,355	7,930	7,765	8,250
Turning circle radius over tyres	mm	5,170	5,170	5,350	5,350
Turning circle radius over outside bucket edge	mm	5,765	5,930	6,070	6,240
Width over tyres	mm	2,460	2,460	2,470	2,470
Breakout force (SAE)	kN	63		87	
Tipping load, straight*	kg	7,920	7,330	9,900	9,400
Tipping load, fully articulated *	kg	6,980	6,470	8,730	8,300
Operating weight *	kg	11,800	12,200	13,600	13,950
Tyre sizes		17.5	R25 L3	20.5R	25 L3

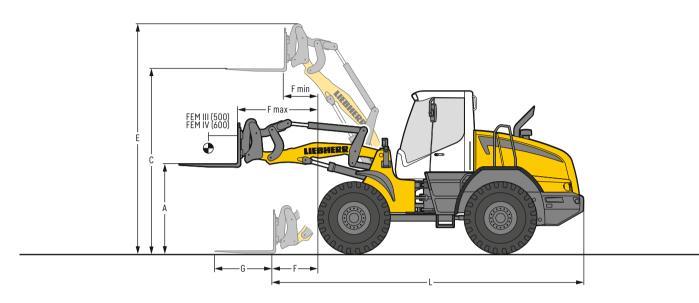
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** Actual bucket capacity may be approx. 10% larger than the calculation according to ISO 7546 standard. The degree to which the bucket can be filled depends on the material – see page 22.

PK-QC = Parallel linkage incl. quick coupler

BOCE = Bolt-on cutting edge

Fork carrier and fork



$oldsymbol{\mathbb{L}}$ FEM III fork carrier and fork

		L	524	L5	38
Geometry		ZK-QC	PK-QC	ZK-QC	PK-QC
A Lifting height at max. reach	mm	1,690	1,690	1,781	1,739
C Max. lifting height	mm	3,580	3,645	3,738	3,697
E Max. operating height	mm	4,510	4,560	4,662	4,612
F Reach at loading position	mm	975	1,110	939	975
F max. Max. reach	mm	1,625	1,720	1,635	1,635
F min. Reach at max. lifting height	mm	695	780	694	695
G Fork length	mm	1,200	1,200	1,200	1,200
L Length – basic machine	mm	6,190	6,325	6,350	6,390
Tipping load, straight *	kg	6,000	6,480	7,880	8,150
Tipping load, fully articulated *	kg	5,300	5,700	6,940	7,200
Recommended payload for uneven ground					
= 60% of tipping load, articulated1)	kg	3,180	3,420	4,150	4,320
Recommended payload for smooth surfaces					
= 80 % of tipping load, articulated1)	kg	4,0103)	4,580	5,0002)	5,000 3)
Operating weight *	kg	10,600	11,260	12,700	12,900
Tyre size		17.5	R25 L3	20.5R	25 L3

^{*} The figures shown here are valid with tyres above (optional tyres will change the vertical dimensions), 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, fully articulated according to ISO 14397-1)

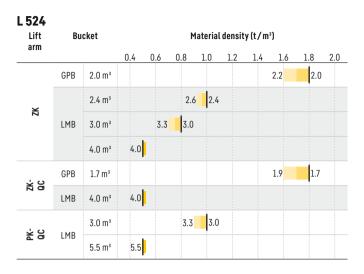
1) According to EN 474-3

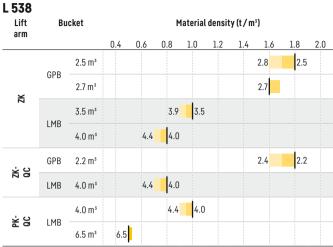
ZK-QC = Z-bar linkage incl. quick coupler

PK-QC = Parallel linkage incl. quick coupler

²⁾ Load capacity for the fork carrier and forks is limited to 5,000 kg 3) Payload on forks is limited by tilt cylinder

Bucket selection





Bucket filling factor



Lift arm

ZK	Z-bar linkage, standard lift arm length
ZK-QC	Z-bar linkage, with quick coupler, standard lift arm length
PK-QC	Parallel linkage with quick coupler, standard lift arm length

Bucket

GPB General purpose bucket (Excavation bucket)
LMB Light material bucket

Bulk material densities and bucket filling factors

		t/m³	%
Gravel	moist	1.9	105
	dry	1.6	105
	crushed stone	1.5	100
Sand	dry	1.5	105
	wet	1.9	110
Gravel and Sand	dry	1.7	105
	wet	2.0	100
Sand/Clay		1.6	110
Clay	natural	1.6	110
	dry	1.4	110
Clay / Gravel	dry	1.4	110
	wet	1.6	100

		t/m³	%
Earth	dry	1.3	115
	wet excavated	1.6	110
Topsoil		1.1	110
Basalt		1.95	100
Granite		1.8	95
Sandstone		1.6	100
Slate		1.75	100
Bauxite		1.4	100
Limestone		1.6	100
Gypsum	broken	1.8	100
Coke		0.5	110
Slag	broken	1.8	100

	t/m³	%
Wastebroken	1.4	100
solid	1.0	100
dry	0.8	105
wet	1.0	110
dust	0.5	110
shredded/loose	0.6	110
recovered paper / cardboard	1.0	110
heavy material density	1.2	110
light material density	0.9	110
domestic waste	0.5	100
bulky waste	1.0	100
	solid dry wet dust shredded/loose recovered paper/cardboard heavy material density light material density domestic waste	Wastebroken 1.4 solid 1.0 dry 0.8 wet 1.0 dust 0.5 shredded/loose 0.6 recovered paper/cardboard 1.0 heavy material density 1.2 light material density 0.9 domestic waste 0.5

Equipment

Sasic wheel loader	L 524	L 538
Crash protection, rear	+	+
Automatic central lubrication system	+	+
Battery main switch (lockable)	•	•
Ride control	+	+
Parking brake	•	•
Fluff trap for radiator	+	+
Speed limitor VMAX adjustable key on the control unit	•	•
Pre-heat system for cold starting	•	•
Rear license panel light	+	+
Combined inching-braking system	•	•
Steel mudguard	•	•
Steel fuel tank	•	•
Fuel pre-filter	•	•
Fuel pre-filter with pre-heating	•	•
Large-mesh radiator	+	+
Cooling water pre-heating 230 V	+	+
Multi-disc limited slip differentials in both axles	•	•
Reversible fan drive	+	+
Headlights rear, single design (on tail flap), halogen	•	•
Auxiliary heater (Additional heating with engine preheating)	+	+
Lockable doors and engine hood	•	•
Chassis protection rear	+	+
Chassis protection front	+	+
Chock	+	+
Air pre-cleaner TOP SPIN	+	+
Toolbox with toolkit	•	•
Towing hitch	•	•

Equipment	L 524	L 538
Working hydraulics lockout	•	•
Automatic hoist kick-out - adjustable	-	-
Automatic bucket return - adjustable	•	•
Fork carrier and pallet forks	+	+
High-dump bucket	+	+
Log grapple	+	+
High Lift arms	-	-
Industrial lift arm	-	-
Lift arm parallel linkage	+	+
Lift arm Z-bar linkage	•	•
Hydraulic quick coupler	+	+
Tilt cylinder protection	+	+
Loading buckets incl. a range of cutting tools	+	+
Light material bucket	+	+
Pipe break protection	+	+
Float position	•	•
1st additional hydraulic function	+	+

Equipment

Operator's cab	L 524	L 538
Exterior mirror, tiltable and adjustable	•	•
Operating hour meter (integrated in display unit)	•	•
Storage box	•	•
Operator's seat – air sprung	+	+
Operator seat "Comfort" - pneumatic suspension with seat heating	+	+
Operator seat "Standard" – mechanically sprung	•	•
Heater	•	•
Floor mat	•	•
Clothes hook	•	•
Air conditioning system	•	•
Headrest	+	+
Steering column adjustable	•	•
Liebherr control lever - adjustable	•	•
Radio Liebherr "Standard" (USB/AUX)	•	•
Interior rear-view mirror	•	•
Amber beacon swiveling / fixed	+	+
Soundproof ROPS / FOPS cab	•	•
Wipe and wash system	•	•
Headlights rear, single design, halogen	•	•
Headlights rear, double design, halogen	+	+
Headlights rear, double design, LED	-	-
Headlights front, double design, halogen	•	•
Windscreen guard	+	+
Sun visor front	•	•
Power socket 12 V	•	•
Preperation for LiDAT	+	+
Cigarette lighter	•	•

Safety	L 524	L 538
Country-specific versions	+	+
Emergency steering system	+	+
Back-up alarm acoustic	•	•
Rear space monitoring with camera	+	+

^{• =} Standard + = Option

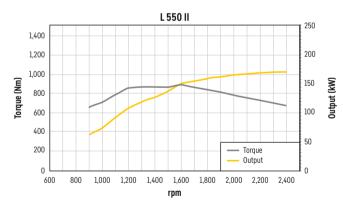
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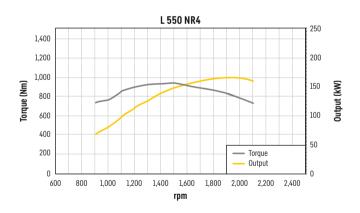
Technical data

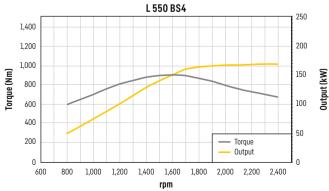
Diesel engine

		L 550		
Diesel engine - available		Stage II	Bharat stage IV	China NR-IV
only in select markets			(India)	
		6068HB330	BS4: 6068HB450	NR4: 6068HB430
Design		Water-cooled, turbo charged, intercooled		
Cylinder inline		6	6	6
Fuel injection process		Electronic Common Rail high-pressure injection		
Output to ISO 9249 ~				
SAE J1349	kW/HP	161 / 219	161 / 219	155 / 211
	at RPM	2,400	2,400	2,100
Rated output				
to ISO 14396 / ECE-R.120	kW/HP	168 / 228	168 / 228	161 / 219
Nominal speed	at RPM	2,400	2,400	2,100
Max. torque				
to ISO 14396	Nm	890	900	941
	at RPM	1,600	1,600	1,500
Displacement	litres	6,8	6,8	6,8
Bore / Stroke	mm	106/127	106/127	106/127
Harmful emission values		According to regulation ECE-R.96 Power Band H		
Emission control			SCR technology and closed	Closed diesel particle filter system
			diesel particle filter system	
Air cleaner system		Dry air filter with main and safety element, pre-clean	er, service indicator	
Electrical system				
Operating voltage	V	24	24	24
Battery	Ah	2 x 135	2 x 135	2 x 135
Alternator	V/A	24/100	24 / 100	24/100
Starter	V/kW	24 / 7.8	24 / 7.8	24 / 7.8

The availability of the models depends on the emission regulations of the respective countries.





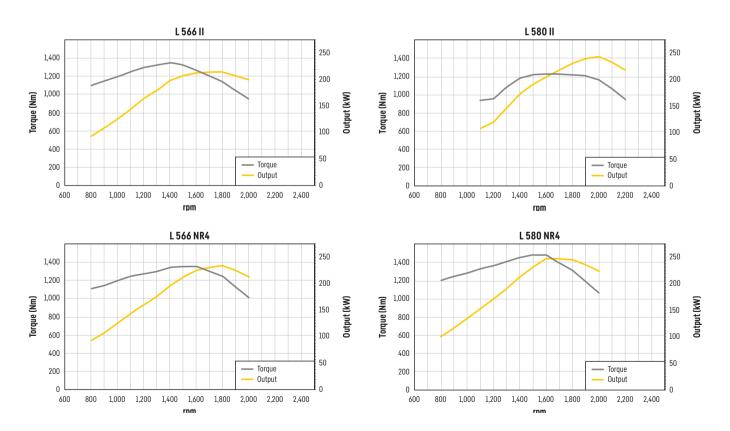


Technical data

Diesel engine

		L 566		L 580	
Diesel engine – available only in select markets		Stage II	China NR-IV	Stage II	China NR-IV
		6090HFL75	NR4: 6090CB451	6090HFL75	NR4: 6090CB451
Design		Water-cooled, turbo charged, intercoole	d		
Cylinder inline		6	6	6	6
Fuel injection process		Electronic Common Rail high-pressure i	njection		
Output to ISO 9249 ~					
SAE J1349	kW/HP	211 / 283	231 / 310	214 / 287	243 / 326
	at RPM	1,800	1,800	1,700	1,600
Rated output					
to ISO 14396 / ECE-R.120	kW/HP		212 / 288	219 / 298	224 / 305
Nominal speed	at RPM	2,000	2,000	2,200	2,000
Max. torque					
to ISO 14396		1,353	1,358	1,228	1,477
	at RPM	1,400	1,500	1,600	1,600
Displacement	litres	9.0	9.0	9.0	9.0
Bore / Stroke	mm	118.4 / 136	118.4 / 136	118.4 / 136	118.4 / 136
Harmful emission values		According to regulation ECE-R.96 Power	Band H		
Emission control			SCR technology and closed diesel particle filter system		SCR technology and closed diesel particle filter system
Air cleaner system		Dry air filter with main and safety eleme	ent, pre-cleaner, service indicator		
Electrical system					
Operating voltage	V	24	24	24	24
Battery	Ah	180	180	180	180
Alternator	V/A	24/100	24/100	24/100	24 / 100
Starter	V/kW	24 / 7.8	24 / 7.8	24 / 7.8	24 / 7.8

The availability of the models depends on the emission regulations of the respective countries.



Driveline

- Dilycillic							
Continuous hydrostatic driveline							
Design	Swash plate type variable flow pump and two variable axial piston motors in closed loop circuit and axle transfer case. Direction of travel is reversed by changing the flow-direction of the variable-displacement pump						
Filtration	Suction return line filter for closed circuit						
Control	By travel and inching pedal. The inching pedal makes it possible to control the tractive and thrust forces steplessly at full engine speed. The Liebherr control lever is used to control forward and reverse travel						
Travel speed range	L 550:						
, ,	Speed range 1 Speed range A1 - 2 Speed range A1 - 3 forward and reverse L 566 / L 580:	_ 0 - 15 km/h					
	Speed range 1	0 10 km/h					
	Speed range 1 Speed range 2 and A2 Speed range A3	_ 0 - 20 km/h					
	forward and reverse	_ 0 +0 KIII/ II					
	ed as						

- Axles

		L 550	L 566	L 580		
Four-wheel drive						
Front axle		Fixed				
Rear axle	Centre pivot, with 13° oscillating angle to each side					
Height of obstacles which						
can be driven over	mm	460	490	490		
		with all four wheel	s remaining in conta	act with the ground		
Differentials		Automatic limited-	slip differentials			
Reduction gear	Planetary final drive in wheel hubs					
Track width	rack width 2,000 mm with all types of tyres (L 550)					
		2,230 mm with all	typies of tyres (L 56	6, L 580)		

Steering

Design	"Load-sensing" swash plate type variable flow pump with pressure cut-off and flow control. Central pivot with two double-acting, damped steering cylinders
Angle of articulation	40° to each side
Emergency steering	Electro-hydraulic emergency steering system, optional

Attachment hydraulics

	L 550	L 566	L 580					
Design			"Load-sensing" swash plate type variable flow pump with output and flow control, and pressure cut-off in the control block					
Cooling			Hydraulic oil cooling using thermostatically controlled fan and oil cooler					
Filtration			rvoir					
Control			Liebherr control lever with hydraulic servo control					
Lifting function			Lifting, neutral, lowering Float position controlled by Liebherr control lever with detent					
	, ,		ndard					
l/min.	234	290	290					
bar	360	380	380					
bar	380	380	380					
	bar	"Load-sensing" sw with output and flucontrol block Hydraulic oil cooler Return line filter in Liebherr control le Lifting, neutral, lov Float position condetent Tilt back, neutral, Automatic bucket 234 bar 360	"Load-sensing" swash plate type variwith output and flow control, and precontrol block Hydraulic oil cooling using thermostafan and oil cooler Return line filter in the hydraulic resel Liebherr control lever with hydraulic suffting, neutral, lowering Float position controlled by Liebherr of detent Tilt back, neutral, dump Automatic bucket return to dig as sta 234 290 bar 360 380					

Attachment

		L 550		L 566		L 580	
Geometry variants							
Optional		Powerfull Z-bar linkage with tilt cylinder and steel cross-tube Industrial lift arm with tilt cylinder, hydraulic quick coupler as standard					
Bearings		Sealed					
Cycle time at nominal load		ZK	IND	ZK	IND	ZK	IND
Lifting	S	5.4	5.4	6.1	6.1	6.2	6.2
Dumping	S	1.0	2.2	1.2	2.0	1.4	2.2
Lowering (empty)	S	2.9	2.9	3.2	3.2	3.4	3.4

Technical data



Uperator's cab	
Design	Elastic mounted, noise-proof cab ROPS roll over protection per EN ISO 3471 / EN 474-1 FOPS falling objects protection per EN ISO 3449 / EN 474-1, Cat. II Operator's door with 90° opening angle with rigid window, right side sliding side window, front windscreen made of laminated safety glass, green tinted as stand- ard, side panels with single-pane safety glass ESG, greer tinted, heated rear window ESG. Continuously adjustable steering column
Liebherr operator's seat	6 way adjustable, vibration-damped operator's seat "Standard" (mechanically sprung, adjustable to oper- ator's weight), Liebherr control lever mounted into the operator's seat as standard
Cab heating and ventilation	2-level air control, cooling water heating, defroster and air conditioning via manual nozzle position or electronic valve control for head and front area, as well as electronic fresh/recirculated air control, electrically heated rear window, filter system with pre-filter, fresh air filter and recirculated air filter, easily replaced, air conditioning system with new improved cooling output as standard



Sound level

		L 550	L 566	L 580
Sound pressure level to ISO 6396				
L _{pA} (inside cab)	dB(A)	73	73	75
Sound power level to 2000/14/EC				
L _{WA} (surround noise)	dB(A)	105	106	106



Capacities

		L 550	L 566	L 580
Fuel tank	l	300	450	450
DEF tank*	l	20	20	20
Engine oil (inclusive filter change)	l	20	34	34
Pump distribution gearbox	l	-	3.5	3.5
Transmission	l	4.1	12.5	12.5
Coolant	l	34	55	55
Front axle	l	35	42	58
Rear axle	l	35	42	58
Hydraulic tank	l	135	160	160
Hydraulic system, total	l	240	280	280

^{*}Not required for emission stage II.



Wear-free service brake	Self-locking of the hydrostatic driveline (acting on all four wheels) and additional pump-accumulator brake system with wet multi-disc brakes (two seperate brake circuits)
Parking brake	Electro-hydraulically actuated spring-loaded disc brake system on the transmission

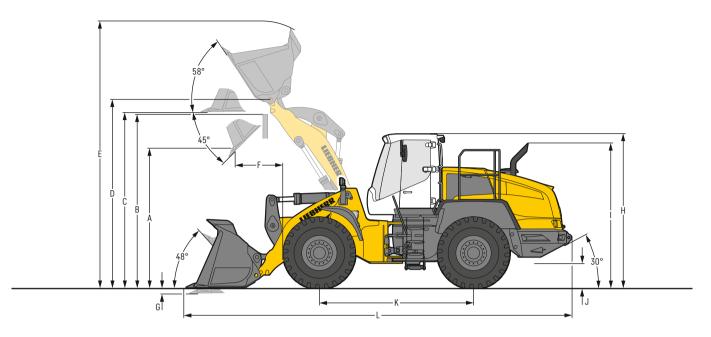
The braking system meets the requirements of the ISO 3450.



	L 550	L 566	L 580				
Standard size	23.5R25 L3	26.5R25 L3	26.5R25 L3				
Special tyres	By arrangement with the manufacturer						

Dimensions

Rehandling bucket (Z-bar linkage)





			L 550	L 566				L 580				
Geometry		ZK	ZK	ZK-QC	ZK	ZK	ZK-QC	ZK	ZK	ZK	ZK-QC	ZK
Cutting tools		T	T	T	T	T	BOCE	ROB	T	T	BOCE	ROB
Lift arm length	mm	2,700	2,700	2,700	2,920	2,920	2,920	2,920	3,050	3,050	3,050	3,050
Bucket capacity according to ISO 7546 **	m³	3.4	3.7	3.1	4.2	4.7	3.5	3.7	5.2	5.7	4.5	4.5
Specific material density	t/m³	1.8	1.6	1.8	1.8	1.6	1.8	1.8	1.8	1.6	1.8	1.8
Bucket width	mm	2,880	2,880	2,880	3,000	3,000	3,000	3,230	3,300	3,300	3,000	3,230
A Dumping height at max. lift height and 45° discharge	mm	3,020	2,970	2,930	3,090	3,050	3,085	3,130	3,300	3,220	3,160	3,320
B Dump-over height	mm	3,700	3,700	3,700	3,900	3,900	3,900	3,900	4,100	4,100	4,100	4,100
C Max. height of bucket bottom	mm	3,875	3,875	3,875	4,050	4,050	4,050	4,050	4,270	4,270	4,270	4,270
D Max. height of bucket pivot point	mm	4,150	4,150	4,150	4,360	4,360	4,360	4,360	4,580	4,580	4,580	4,360
E Max. operating height	mm	5,785	5,855	5,830	6,045	6,150	6,200	6,070	6,380	6,500	6,590	6,170
F Reach at max. lift height and 45° discharge	mm	1,025	1,075	1,140	1,305	1,375	1,360	1,270	1,330	1,285	1,460	1,350
G Digging depth	mm	80	80	110	100	100	100	100	100	100	100	100
H Height above operator's cab	mm	3,360	3,360	3,360	3,590	3,590	3,590	3,590	3,590	3,590	3,590	3,590
I Height above exhaust	mm	3,015	3,015	3,015	3,315	3,315	3,315	3,315	3,315	3,315	3,315	3,315
J Ground clearance	mm	490	490	490	535	535	535	535	465	465	465	465
K Wheelbase	mm	3,410	3,410	3,410	3,820	3,820	3,820	3,820	3,970	3,970	3,970	3,970
L Overall length	mm	8,525	8,595	8,665	9,200	9,300	9,240	9,150	9,545	9,625	9,720	9,575
Turning circle radius over tyres	mm	6,300	6,300	6,300	7,110	7,110	7,110	7,110	7,300	7,300	7,300	7,300
Turning circle radius over outside bucket edge	mm	6,910	6,930	6,950	7,690	7,720	7,700	7,780	8,075	8,095	7,980	8,030
Width over tyres	mm	2,650	2,650	2,650	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960
Breakout force (SAE)	kN	165	155	145	190	180	190	185	220	205	205	215
Tipping load, straight *	kg	14,120	14,000	13,240	18,150	17,900	17,450	18,700	21,650	21,500	20,800	22,000
Tipping load, fully articulated*	kg	12,430	12,300	11,100	15,900	15,650	15,100	16,100	18,950	18,800	18,100	19,150
Operating weight *	kg	17,750	17,810	18,180	23,450	23,550	24,330	25,250	26,950	27,100	27,730	28,580
Tyre size			23.5R25 L3			26.5R25 L3		26.5R25 L5		26.5R	25 L3	

^{*} The figures shown here are valid with tyres above (optional tyres will change the vertical dimensions), 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, fully articulated to ISO 14397-1)

** 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 36.

ZK = Z-bar linkage ZK-QC= Z-bar linkage incl. quick coupler

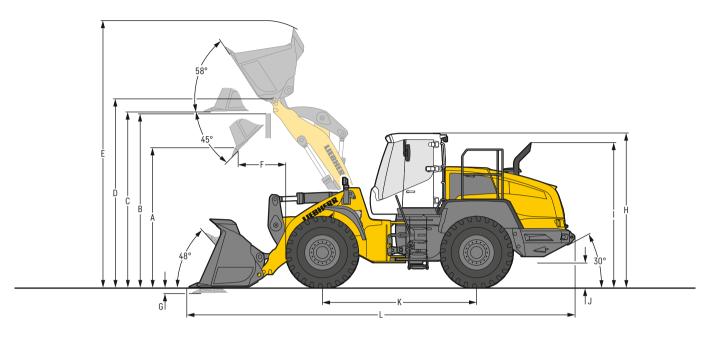
= Welded-on tooth holder with add-on teeth

BOCE = Bolt-on cutting edge

ROB = Rock bucket with delta cutting edge, welded-on tooth holder with add-on teeth and bolted intermediate sections

Dimensions

Rehandling bucket (Z-bar linkage high lift)



Rehandling bucket

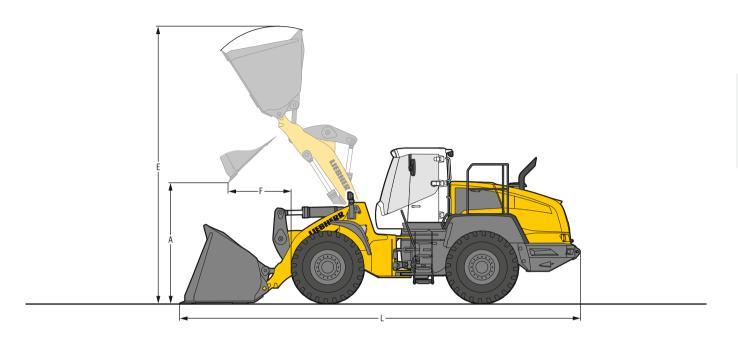
		L 550	L 566	L 580
Geometry		ZK	ZK	ZK
Cutting tools		T	Т	T
Lift arm length	mm	3,100	3,250	3,250
Bucket capacity according to ISO 7546**	m³	3.1	4.2	5.2
Specific material density	t/m³	1.6	1.6	1.6
Bucket width	mm	2,880	3,000	3,300
A Dumping height at max. lift height and 45° discharge	mm	3,670	3,650	3,490
B Dump-over height	mm	4,200	4,300	4,300
C Max. height of bucket bottom	mm	4,430	4,470	4,470
D Max. height of bucket pivot point	mm	4,700	4,780	4,780
E Max. operating height	mm	6,255	6,555	6,740
F Reach at max. lift height and 45° discharge	mm	890	1,200	1,265
G Digging depth	mm	95	140	140
H Height above operator's cab	mm	3,360	3,590	3,590
I Height above exhaust	mm	3,015	3,315	3,315
J Ground clearance	mm	490	535	465
K Wheelbase	mm	3,410	3,820	3,970
L Overall length	mm	8,960	9,615	9,795
Turning circle radius over tyres	mm	6,300	7,110	7,300
Turning circle radius over outside bucket edge	mm	7,110	7,850	8,175
Width over tyres	mm	2,650	2,960	2,960
Breakout force (SAE)	kN	165	200	225
Tipping load, straight *	kg	11,600	15,850	20,030
Tipping load, fully articulated *	kg	10,150	13,700	17,450
Operating weight *	kg	17,990	24,000	27,100
Tyre sizes		23.5R25 L3	26.5R25 L3	26.5R25 L3

The figures shown here are valid with tyres above (optional tyres will change the vertical dimensions), 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, fully articulated to ISO 14397-1)
 ** 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 36.

ZK = Z-bar linkage

T = Welded-on tooth holder with add-on teeth

Light material bucket (Z-bar linkage)



Light material bucket

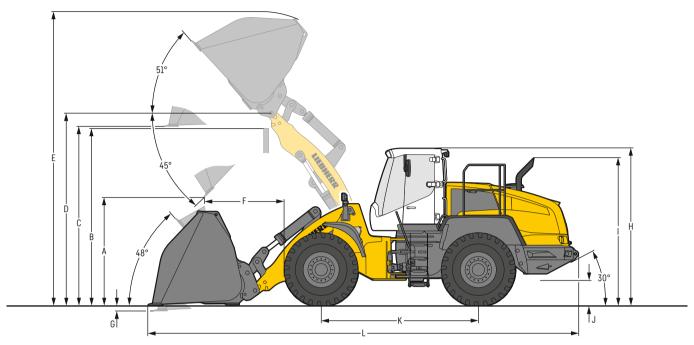
<u> </u>							
		L!	550	L 5	66	L 5	80
Geometry		ZK	ZK	ZK	ZK	ZK	ZK
Cutting tools		BOCE	BOCE	BOCE	BOCE	BOCE	BOCE
Bucket capacity	m³	5.5	7.0	5.7	7.0	7.0	8.5
Specific material density	t/m³	1.0	0.75	1.2	1.0	1.2	1.0
Bucket width	mm	2,950	3,200	3,300	3,200	3,200	3,500
A Dumping height at max. lift height	mm	2,715	2,680	2,990	2,920	3,230	3,150
E Max. operating height	mm	5,970	6,020	6,280	6,330	6,640	6,635
F Reach at maximum lift height	mm	1,385	1,425	1,445	1,330	1,430	1,510
L Overall length	mm	8,775	8,830	9,380	9,440	9,880	10,030
Tipping load, straight *	kg	13,050	12,600	17,250	17,500	21,400	20,750
Tipping load, fully articulated *	kg	11,420	11,000	14,900	15,100	18,500	18,050
Operating weight *	kg	18,320	18,600	24,280	24,150	27,400	27,390
Tyre size		23.5	R25 L3	26.5R	25 L3	26.5	25 L3

^{*} The figures shown here are valid with tyres above (optional tyres will change the vertical dimensions), 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, fully articulated according to ISO 14397-1)

ZK = Z-bar linkage BOCE = Bolt-on cutting edge

Dimensions

Light material bucket (industrial lift arm)



E Light material bucket

		L 550	L 566	L 580
Geometry		IND-QC	IND-QC	IND-QC
Cutting tools		BOCE	BOCE	BOCE
Lift arm length	mm	2,700	2,900	2,900
Bucket capacity according to ISO 7546**	m³	9.5	12.0	14.0
Specific material density	t/m³	0.5	0.45	0.45
Bucket width	mm	3,400	3,700	4,000
A Dumping height at max. lift height and 45° discharge	mm	2,320	2,885	2,480
B Dump-over height	mm	3,700	3,900	3,900
C Max. height of bucket bottom	mm	3,865	4,145	4,145
D Max. height of bucket pivot point	mm	4,145	4,490	4,490
E Max. operating height	mm	6,270	6,470	6,800
F Reach at max. lift height and 45° discharge	mm	1,740	1,485	1,950
G Digging depth	mm	100	100	100
H Height above operator's cab	mm	3,360	3,590	3,590
I Height above exhaust	mm	3,015	3,315	3,315
J Ground clearance	mm	490	535	465
K Wheelbase	mm	3,410	3,890	3,970
L Overall length	mm	9,220	10,185	10,300
Turning circle radius over tyres	mm	6,300	7,200	7,300
Turning circle radius over outside bucket edge	mm	7,430	8,275	8,585
Width over tyres	mm	2,650	2,960	2,960
Breakout force (SAE)	kN	85	110	125
Tipping load, straight *	kg	11,890	15,350	18,500
Tipping load, fully articulated *	kg	10,300	13,150	15,900
Operating weight *	kg	19,120	25,950	28,900
Tyre sizes		23.5R25 L3	26.5R25 L3	26.5R25 L3

^{*} The figures shown here are valid with tyres above (optional tyres will change the vertical dimensions), includes all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator.

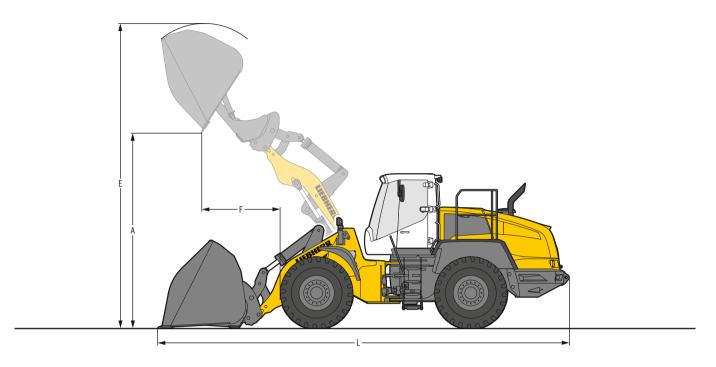
IND-QC = Industrial lift arm with parallel guidance incl. quick coupler

BOCE = Bolt-on cutting edge

Different tyres and optional equipment will change the operating weight and tipping load. (Tipping load, fully articulated to ISO 14397-1)

** 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 36.

High dump bucket (industrial lift arm)



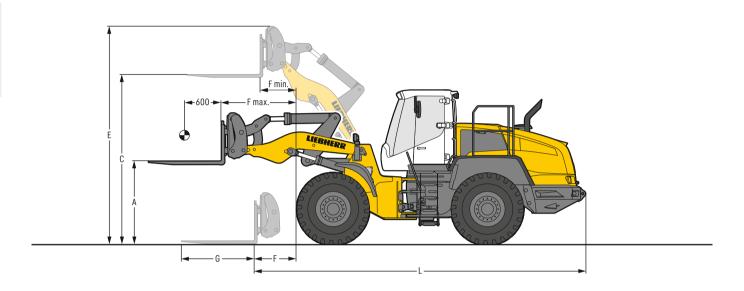


			L 550		L 566
Geometry		IND-QC	IND-QC	IND-QC	IND-QC
Cutting tools		BOCE	BOCE	BOCE	BOCE
Bucket capacity	m³	4.5	5.5	9.0	11.0
Specific material density	t/m³	1.0	0.8	0.5	0.45
Bucket width	mm	2,700	2,700	3,400	3,700
A Dumping height at max. lift height	mm	4,645	4,420	4,335	4,840
E Max. operating height	mm	6,865	7,110	7,090	7,490
F Reach at maximum lift height	mm	1,685	1,840	1,720	2,140
L Overall length	mm	8,950	9,250	9,240	10,185
Tipping load, straight *	kg	12,000	10,750	11,500	15,100
Tipping load, fully articulated *	kg	10,400	9,300	9,900	12,900
Operating weight *	kg	18,900	19,400	19,550	26,450
Tyre size		23.5R25 L3	23.5R25 L4	23.5R25 L5	26.5R25 L3

^{*} The figures shown here are valid with tyres above (optional tyres will change the vertical dimensions), 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, fully articulated according to ISO 14397-1)

 $\label{eq:IND-QC} \mbox{IND-QC = Industrial lift arm with parallel guidance incl. quick coupler} \\ \mbox{BOCE} \quad \mbox{= Bolt-on cutting edge}$

Fork carrier and fork (industrial lift arm)



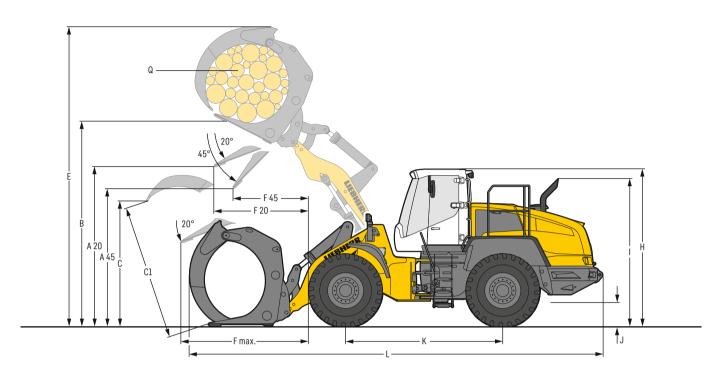
		L 550	L 566	L 580
Geometry		IND-QC	IND-QC	IND-QC
A Lifting height at max. reach	mm	1,805	2,075	2,075
C Max. lifting height	mm	3,905	4,220	4,220
E Max. operating height	mm	4,895	5,200	5,200
F Reach at loading position	mm	1,080	1,145	1,025
F max. Max. reach	mm	1,710	1,925	1,805
F min. Reach at max. lifting height	mm	715	980	860
G Fork length	mm	1,500	1,800	1,800
L Length - basic machine	mm	7,450	8,280	8,280
Tipping load, straight *	kg	10,840	13,500	16,300
Tipping load, fully articulated *	kg	9,560	11,900	14,400
Recommended payload for uneven ground				
= 60% of tipping load, articulated1)	kg	5,740	7,140	8,640
Recommended payload for smooth surfaces				
= 80% of tipping load, articulated1)	kg	7,650	9,520	10,000
Operating weight *	kg	17,560	23,650	26,350
Tyre size		23.5R25 L3	26.5R25 L3	26.5R25 L3

^{*} The figures shown here are valid with tyres above (optional tyres will change the vertical dimensions), 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, fully articulated according to ISO 14397-1)

IND-QC = Industrial lift arm with parallel guidance incl. quick coupler

¹⁾ According to EN 474-3

Log grapple (industrial lift arm)



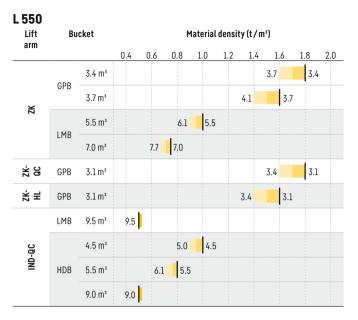
Ob Log grapple

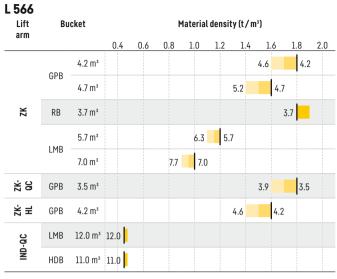
	3 3 17 1 1					
			L	550	L 566	L 580
Geom	etry		IND-QC	IND-QC	IND-QC	IND-QC
A20	Discharge height at 20°	mm	3,420	3,350	3,570	3,520
A45	Discharge height at 45°	mm	2,940	2,770	2,930	2,805
В	Manipulation height	mm	4,550	4,655	5,125	5,125
C	Max. grapple opening in loading position	mm	2,395	2,740	2,650	2,930
C1	Max. grapple opening	mm	2,590	2,990	3,050	3,340
E	Max. height	mm	6,230	6,650	7,400	7,500
F20	Reach at max. lifting height at 20° discharge	mm	1,590	1,810	2,165	2,215
F45	Reach at max. lifting height at 45° discharge	mm	1,160	1,330	1,620	1,625
F max	k. Max. reach	mm	2,590	2,810	3,110	3,160
Н	Height above operator's cab	mm	3,360	3,360	3,590	3,590
1	Height above exhaust	mm	3,015	3,015	3,315	3,315
J	Ground clearance	mm	490	490	535	465
K	Wheelbase	mm	3,410	3,410	3,890	3,970
L	Overall length	mm	8,705	8,985	9,960	10,150
Width	over tyres	mm	2,650	2,650	2,970	2,970
Q	Grapple diameter	m²	1.8	2.4	3.1	3.5
Grapp	le width	mm	1,600	1,600	1,800	1,800
Paylo		kg	6,450	6,300	8,200	9,200
Opera	ting weight*	kg	18,770	18,920	26,200	28,975
Tyre s	ize		23.5	R25 L3	26.5R25 L3	26.5R25 L3

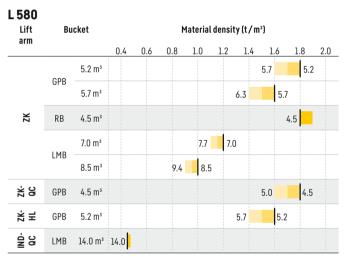
^{*} The figures shown here are valid with tyres above (optional tyres will change the vertical dimensions), includes all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator. Different tyres and optional equipment will change the operating weight and payload.

IND-QC = Industrial lift arm with parallel guidance incl. quick coupler

Bucket selection







Bucket filling factor



Lift arm

ZK	Z-bar linkage, standard lift arm length
ZK-QC	Z-bar linkage with quick coupler, standard lift arm length
ZK-HL	Z-bar linkage, High Lift
IND-QC	Industrial lift arm with quick coupler, standard lift arm length

Bucket

GPB	General purpose bucket (Rehandling bucket)	
LMB	Light material bucket	
HDB	High-dump bucket	
RB	Rock bucket	

Bulk material densities and bucket filling factors

		t/m³	%
Gravel	moist	1.9	105
	dry	1.6	105
	crushed stone	1.5	100
Sand	dry	1.5	105
	wet	1.9	110
Gravel and Sand	dry	1.7	105
	wet	2.0	100
Sand/Clay		1.6	110
Clay	natural	1.6	110
	dry	1.4	110
Clay / Gravel	dry	1.4	110
	wet	1.6	100

		t/m³	%
Earth	dry	1.3	115
	wet excavated	1.6	110
Topsoil		1.1	110
Basalt		1.95	100
Granite		1.8	95
Sandstone		1.6	100
Slate		1.75	100
Bauxite		1.4	100
Limestone		1.6	100
Gypsum	broken	1.8	100
Coke		0.5	110
Slag	broken	1.8	100

		t/m³	%
Glass waste	Wastebroken	1.4	100
	solid	1.0	100
Compost	dry	8.0	105
	wet	1.0	110
Wood chips / Saw dust			110
Paper	shredded/loose	0.6	110
	recovered paper / cardboard	1.0	110
Coal	heavy material density	1.2	110
	light material density	0.9	110
Waste	domestic waste	0.5	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.

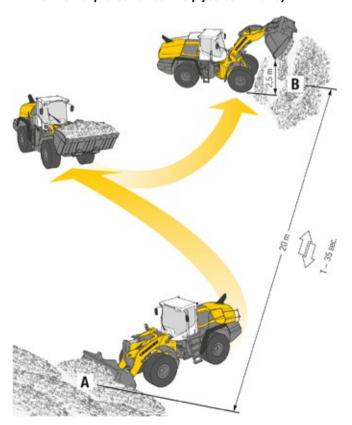
The bucket volume is determined from the pay load.

Pay load = Tipping load, articulated 2

Bucket capacity = Pay load (t)
Specific bulk weight of material (t/m³)

Wheel loader						
		L 524	L 538	L 550	L 566	L 580
Tipping load	kg	7,500	9,500	12,430	15,900	18,950
Bucket capacity	m³	2.0	2.5	3.4	4.2	5.2
Operating weight	kg	10,400	12,800	17,750	23,450	26,950
Engine output Stage II	kW/HP	-	-	168/228	200/272	219/298
Engine output Stage IIIA						
(compliant)	kW/HP	86/117	104/141	-	-	-
Engine output BS4	kW/HP	-	-	168/228	-	-
Engine output NR-IV	kW/HP	-	-	161/219	212/288	224/305
						02.22

Environmental protection can help you earn money!



The Liebherr Standard Consumption Test – easy to reproduce and practical.

The Liebherr Standard Consumption Test determines the number of loading cycles that can be carried out with 5 litres of diesel. The material is taken from pile A and carried over a distance of 20 metres to point B. The time needed for each working cycle should be 35 seconds. Discharge at point B should take place from a height of 2.5 m. The working cycles continue until the 5 litres of diesel in the external measuring tank have been used up. The loader's fuel consumption per operating hour is calculated as follows:

-	Number o	400 If loading cycles	=	Consumption per hour		
Values for the Liebherr Wheel Loaders						
		Numbers of working cycles		Litres / 100 tons	Litres / hour	
L 524: 2.0 m ³		n = 47		2.9	8.5	
L 538: 2.5 m ³		n = 39		2.9	10.3	
L 550: 3.4 m ³		n = 30		2.9	13.5	
L 566: 4.2 m ³		n = 23		3.0	17.3	
L 580: 5.2 m ³		n = 21		2.6	19.1	

Equipment

Crash protection, rear Engine shut-down (5 min < 1,000 rpm) Automatic central lubrication system Battery main switch (lockable) Ride control Parking brake Fluff trap for radiator Pre-heat system for cold starting Rear license panel light Combined inching-braking system Mudguard in plastic design Fuel tank in plastic design Fuel tank in steel design (with guard) Fuel pre-filter Fuel pre-filter with pre-heating Large-mesh radiator Cooling water pre-heating 230 V Multi-disc limited slip differentials in both axles Light carrier in plastic design Light carrier in steel design (with guard for LED) Reversible fan drive Headlights LED (double design on engine hood) Auxiliary heater (Additional heating with engine preheating) Dust protection for alternator Lockable doors and engine hood Carrying case with tool kit Chassis protection rear / front Chock Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) Towing hitch + + + Heatlights LED (about with "Truck Payload Assist" (cannot be calibrated) + + + Towing hitch	6 Basic wheel loader	L 550	7 299	L 580
Automatic central lubrication system Battery main switch (lockable) Ride control Prarking brake Fluff trap for radiator Pre-heat system for cold starting Rear license panel light Combined inching-braking system Mudguard in plastic design Fuel tank in plastic design Fuel tank in steel design (with guard) Fuel pre-filter Fuel pre-filter with pre-heating Large-mesh radiator Cooling water pre-heating 230 V Multi-disc limited slip differentials in both axles Light carrier in plastic design Light carrier in steel design (with guard for LED) Reversible fan drive Headlights LED (double design on engine hood) Auxiliary heater (Additional heating with engine preheating) Lockable doors and engine hood Carrying case with tool kit Chassis protection rear / front Chock Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) + + + + + + + + + + + + + + + + +		+	+	+
Battery main switch (lockable) Ride control Parking brake Fluff trap for radiator Pre-heat system for cold starting Rear license panel light Combined inching-braking system Mudguard in plastic design Fuel tank in plastic design (with guard) Fuel pre-filter Fuel pre-filter with pre-heating Large-mesh radiator Cooling water pre-heating 230 V Multi-disc limited slip differentials in both axles Light carrier in steel design (with guard for LED) Reversible fan drive Headlights LED (double design on engine hood) Auxiliary heater (Additional heating with engine preheating) Lockable doors and engine hood Carrying case with tool kit Chassis protection rear / front Chock Air pre-cleaner standard Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) + + + + + + + + + + + + + + + + +		+	+	+
Ride control Parking brake Fluff trap for radiator Pre-heat system for cold starting Rear license panel light Combined inching-braking system Mudguard in plastic design Fuel tank in plastic design Fuel tank in steel design (with guard) Fuel pre-filter Fuel pre-filter Fuel pre-filter with pre-heating Large-mesh radiator Cooling water pre-heating 230 V Mutti-disc limited slip differentials in both axles Light carrier in plastic design (with guard for LED) Reversible fan drive Headlights LED (double design on engine hood) Auxiliary heater (Additional heating with engine preheating) Dust protection for alternator Lockable doors and engine hood Carrying case with tool kit Chassis protection rear / front Chock Air pre-cleaner oil bath filter Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) + + + + + + + + + + + + + + + + + +	Automatic central lubrication system	+	+	+
Parking brake Fluff trap for radiator Pre-heat system for cold starting Rear license panel light Combined inching-braking system Mudguard in plastic design Fuel tank in plastic design Fuel tank in steel design (with guard) Fuel pre-filter Fuel pre-filter with pre-heating Large-mesh radiator Cooling water pre-heating 230 V Multi-disc limited slip differentials in both axles Light carrier in plastic design (with guard for LED) Reversible fan drive Headlights LED (double design on engine hood) Auxiliary heater (Additional heating with engine preheating) Dust protection for alternator Lockable doors and engine hood Carrying case with tool kit Chassis protection rear / front Chock Air pre-cleaner standard Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) + + + + + + + + + + + + + + + + + + + + + Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) + + + + + + + + + + + + + + + + + +	Battery main switch (lockable)	•	+	+
Fluff trap for radiator Pre-heat system for cold starting Rear license panel light Combined inching-braking system Mudguard in plastic design Fuel tank in plastic design Fuel tank in plastic design Fuel tank in steel design (with guard) Fuel pre-filter with pre-heating Large-mesh radiator Cooling water pre-heating 230 V Multi-disc limited slip differentials in both axles Light carrier in plastic design Light carrier in steel design (with guard for LED) Reversible fan drive Headlights LED (double design on engine hood) Auxiliary heater (Additional heating with engine preheating) Dust protection for alternator Lockable doors and engine hood Carrying case with tool kit Chassis protection rear / front Chock Air pre-cleaner standard Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + +	Ride control	+	+	+
Pre-heat system for cold starting Rear license panel light Combined inching-braking system Mudguard in plastic design Fuel tank in plastic design Fuel tank in plastic design Fuel tank in steel design (with guard) Fuel pre-filter Fuel pre-filter • Fuel pre-filter with pre-heating Large-mesh radiator Cooling water pre-heating 230 V Multi-disc limited slip differentials in both axles Light carrier in plastic design Light carrier in steel design (with guard for LED) Reversible fan drive Headlights LED (double design on engine hood) Auxiliary heater (Additional heating with engine preheating) Dust protection for alternator Lockable doors and engine hood Carrying case with tool kit Chassis protection rear / front Chock Air pre-cleaner oil bath filter Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) + + + + + + + + + + + + + + + + + +		•	•	•
Rear license panel light Combined inching-braking system Mudguard in plastic design Fuel tank in plastic design Fuel tank in steel design (with guard) Fuel pre-filter Fuel pre-filter with pre-heating Large-mesh radiator Cooling water pre-heating 230 V Multi-disc limited slip differentials in both axles Light carrier in plastic design Light carrier in steel design (with guard for LED) Reversible fan drive Headlights LED (double design on engine hood) Auxiliary heater (Additional heating with engine preheating) Dust protection for alternator Lockable doors and engine hood Carrying case with tool kit Chassis protection rear / front Chock Air pre-cleaner oil bath filter Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) + + +	Fluff trap for radiator	+	+	+
Combined inching-braking system Mudguard in plastic design Fuel tank in plastic design Fuel tank in steel design (with guard) Fuel pre-filter Fuel pre-filter with pre-heating Large-mesh radiator Cooling water pre-heating 230 V Multi-disc limited slip differentials in both axles Light carrier in plastic design Light carrier in steel design (with guard for LED) Reversible fan drive Headlights LED (double design on engine hood) Auxiliary heater (Additional heating with engine preheating) Dust protection for alternator Lockable doors and engine hood Carrying case with tool kit Chassis protection rear / front Chock Air pre-cleaner oil bath filter Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) + + +		+	+	+
Mudguard in plastic design Fuel tank in plastic design Fuel tank in steel design (with guard) Fuel pre-filter Fuel pre-filter with pre-heating Large-mesh radiator Cooling water pre-heating 230 V Mutti-disc limited slip differentials in both axles Light carrier in plastic design Light carrier in steel design (with guard for LED) Reversible fan drive Headlights LED (double design on engine hood) Auxiliary heater (Additional heating with engine preheating) Dust protection for alternator Lockable doors and engine hood Carrying case with tool kit Chassis protection rear / front Chock Air pre-cleaner oil bath filter Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) • • •	Rear license panel light	+	+	+
Fuel tank in plastic design Fuel tank in steel design (with guard) Fuel pre-filter Fuel pre-filter with pre-heating Large-mesh radiator Cooling water pre-heating 230 V Mutti-disc limited slip differentials in both axles Light carrier in plastic design Light carrier in steel design (with guard for LED) Reversible fan drive Headlights LED (double design on engine hood) Auxiliary heater (Additional heating with engine preheating) Dust protection for alternator Lockable doors and engine hood Carrying case with tool kit Chassis protection rear / front Chock Air pre-cleaner oil bath filter Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) + + +	Combined inching-braking system	•	•	•
Fuel tank in steel design (with guard) Fuel pre-filter Fuel pre-filter with pre-heating Large-mesh radiator Cooling water pre-heating 230 V Multi-disc limited slip differentials in both axles Light carrier in plastic design Light carrier in steel design (with guard for LED) Reversible fan drive Headlights LED (double design on engine hood) Auxiliary heater (Additional heating with engine preheating) Dust protection for alternator Lockable doors and engine hood Carrying case with tool kit Chassis protection rear / front Chock Air pre-cleaner oil bath filter Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) + + +		•	•	•
Fuel pre-filter Fuel pre-filter with pre-heating Large-mesh radiator Cooling water pre-heating 230 V Multi-disc limited slip differentials in both axles Light carrier in plastic design Light carrier in steel design (with guard for LED) Reversible fan drive Headlights LED (double design on engine hood)	Fuel tank in plastic design	•	•	•
Fuel pre-filter with pre-heating	Fuel tank in steel design (with guard)	+	+	+
Large-mesh radiator Cooling water pre-heating 230 V + + + + + Mutti-disc limited slip differentials in both axles Light carrier in plastic design Light carrier in steel design (with guard for LED) + + + + Reversible fan drive Headlights LED (double design on engine hood) - • • • Auxiliary heater (Additional heating with engine preheating) + + + + Dust protection for alternator Lockable doors and engine hood Carrying case with tool kit Chassis protection rear / front Chock + + + + Air pre-cleaner oil bath filter Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) + + +	Fuel pre-filter	•	•	•
Cooling water pre-heating 230 V Multi-disc limited slip differentials in both axles Light carrier in plastic design Light carrier in steel design (with guard for LED) Reversible fan drive Headlights LED (double design on engine hood) Auxiliary heater (Additional heating with engine preheating) Dust protection for alternator Lockable doors and engine hood Carrying case with tool kit Chassis protection rear / front Chock Air pre-cleaner oil bath filter Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) + + + + + + + + + + + Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated)	Fuel pre-filter with pre-heating	+	+	+
Multi-disc limited slip differentials in both axles Light carrier in plastic design Light carrier in steel design (with guard for LED) Reversible fan drive Headlights LED (double design on engine hood) Auxiliary heater (Additional heating with engine preheating) Light protection for alternator Lockable doors and engine hood Carrying case with tool kit Chassis protection rear / front Chock Air pre-cleaner oil bath filter Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) • • •	Large-mesh radiator	+	+	+
Light carrier in plastic design Light carrier in steel design (with guard for LED) Reversible fan drive Headlights LED (double design on engine hood) Auxiliary heater (Additional heating with engine preheating) Dust protection for alternator Lockable doors and engine hood Carrying case with tool kit Chassis protection rear / front Chock 4 + + + Air pre-cleaner oil bath filter Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) + + + + + + + + + + + + + + +	Cooling water pre-heating 230 V	+	+	+
Light carrier in steel design (with guard for LED) + + + + + + Headlights LED (double design on engine hood) - • • • Auxiliary heater (Additional heating with engine preheating) + + + + Lockable doors and engine hood • • • Carrying case with tool kit • • • • Chassis protection rear / front + + + + + + + + + Air pre-cleaner oil bath filter + + + + + Air pre-cleaner standard • • Air pre-cleaner TOP SPIN + + + + Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) + + + +	Multi-disc limited slip differentials in both axles	•	•	•
Reversible fan drive Headlights LED (double design on engine hood) Auxiliary heater (Additional heating with engine preheating) Lockable doors and engine hood Carrying case with tool kit Chassis protection rear / front Chock Air pre-cleaner oil bath filter Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated)	Light carrier in plastic design	+	-	-
Headlights LED (double design on engine hood) Auxiliary heater (Additional heating with engine preheating) Dust protection for alternator Lockable doors and engine hood Carrying case with tool kit Chassis protection rear / front Chock + + + Air pre-cleaner oil bath filter Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) • • •	Light carrier in steel design (with guard for LED)	+	+	+
Auxiliary heater (Additional heating with engine preheating) + + + + Dust protection for alternator + + + + Lockable doors and engine hood • • • • Carrying case with tool kit • • • • Chassis protection rear / front + + + + Chock + + + + Air pre-cleaner oil bath filter + + + Air pre-cleaner standard • • • • Air pre-cleaner TOP SPIN + + + Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) + + +	Reversible fan drive	+	+	+
Dust protection for alternator Lockable doors and engine hood Carrying case with tool kit Chassis protection rear / front Chock + + + Air pre-cleaner oil bath filter Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) + + +	Headlights LED (double design on engine hood)	-	•	•
Lockable doors and engine hood Carrying case with tool kit Chassis protection rear / front Chock Air pre-cleaner oil bath filter Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) • • •	Auxiliary heater (Additional heating with engine preheating)	+	+	+
Carrying case with tool kit Chassis protection rear / front Chock Air pre-cleaner oil bath filter Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) • • •	Dust protection for alternator	+	+	+
Chassis protection rear / front Chock Air pre-cleaner oil bath filter Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) + + +	Lockable doors and engine hood	•	•	•
Chock + + + + + + + + + + + + + + + + + + +	Carrying case with tool kit	•	•	•
Air pre-cleaner oil bath filter	Chassis protection rear / front	+	+	+
Air pre-cleaner standard Air pre-cleaner TOP SPIN Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) + + +	Chock	+	+	+
Air pre-cleaner TOP SPIN + + + + Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) + + + +	Air pre-cleaner oil bath filter	+	+	+
Air pre-cleaner TOP SPIN + + + + Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) + + + +	Air pre-cleaner standard	•	•	•
Liebherr weighing system with "Truck Payload Assist" (cannot be calibrated) + + +		+	+	+
		+	+	+
	Towing hitch	•	•	•

Equipment	L 550	T 299	L 580
Working hydraulics lockout	•	•	•
Fork carrier and pallet forks		+	+
High-dump bucket	+	+	+
Log grapple	+	+	+
Automatic lift arm position and lowering programmable	+	+	+
High Lift arms	+	+	+
Industrial lift arm	+	+	+
Lift arm Z-bar linkage	•	•	•
Hydraulic quick coupler	+	+	+
Tilt cylinder protection	+	+	+
Loading buckets incl. a range of cutting tools	+	+	+
Light material bucket		+	+
Option package "comfort operation": - Automatic lift kick-out - Automatic bucket return programmable			
- Reduction valve for bucket discharge speed	+	+	+
Pipe break protection	+	+	+
Float position	•	•	•
1st additional hydraulic function	+	+	+
1st additional hydraulic function for continuous mode	+	+	+
1st and 2nd additional hydraulic function	+	+	+

Equipment

Operator's cab	L 550	7 299	L 580
Armrest left	+	+	+
Exterior mirror, electrical adjustable with heating	+	+	+
Exterior mirror, tiltable	•	•	•
Operating hour meter (integrated in display unit)	•	•	•
Storage box	•	•	•
Operator seat "Comfort" - pneumatic suspension with seat heating	+	+	+
Operator seat "Standard" - mechanically sprung	•	•	•
Heater	•	•	•
Horn operation with right button	+	+	+
Interior mirror right	•	•	•
Floor mat	•	•	•
Clothes hook	•	•	•
Air conditioning system	•	•	•
Headrest	+	+	+
Steering column adjustable	•	•	•
Liebherr control lever - adjustable	•	•	•
Liebherr control lever with mini-joystick	+	+	+
Emergency steering pump	+	+	+
Radio Liebherr "Standard" (USB/AUX)	•	•	•
Amber beacon swivelling, LED	+	+	+
Activation of amber beacon during back-up	+	+	+
Soundproof ROPS / FOPS cab	•	•	•
Wipe and wash system	•	•	•
Headlights rear, single design, halogen	•	•	•
Headlights rear, single design, LED	+	+	+
Headlights rear, double design, halogen	+	+	+
Headlights rear, double design, LED	+	+	+
Headlights rear, triple design, LED	+	+	+
Headlights front, double design, halogen	•	•	•
Headlights front, double design, LED	+	+	+
Sliding window right	•	•	•
Windscreen guard	+	+	+
Sunblind rear/front	+	+	+
Power socket 12 V	•	•	•
Preperation for LiDAT	+	+	+
Cigarette lighter	•	•	•
9' touch screen display	•	•	•

Safety	L 550	T 566	L 580
CE safety package	+	+	+
Country-specific versions	+	+	+
Emergency steering system	+	+	+
Back-up alarm acoustic	•	•	•
Rear space monitoring with camera		+	+

^{- =} Standard

^{+ =} Option

^{- =} not available

The Liebherr group of companies



Wide Product Range

The Liebherr Group is one of the largest construction equipment manufacturers in the world. Liebherr's high-value products and services enjoy a high reputation in many other fields. The wide range includes domestic appliances, aerospace and transportation systems, machine tools and maritime cranes.

Exceptional Customer Benefit

Every product line provides a complete range of models in many different versions. With both their technical excellence and acknowledged quality, Liebherr products offer a maximum of customer benefits in practical applications.

State-of-the-art Technology

To provide consistent, top quality products, Liebherr attaches great importance to each product area, its components and core technologies. Important modules and components are developed and manufactured in-house, for instance the entire drive and control technology for construction equipment.

Worldwide and Independent

Hans Liebherr founded the Liebherr family company in 1949. Since then, the family business has steadily grown to a group of more than 140 companies with nearly 48,000 employees located on all continents. The corporate head-quarters of the Group is Liebherr-International AG in Bulle, Switzerland. The Liebherr family is the sole owner of the company.

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