Wheel Loaders

L 550 - L 586

⊠power®



LIEBHERR

L 550 XPower®

Tipping load, articulated:

26,895 lb

Bucket capacity:

 4.2 yd^3

Operating weight:

39,020 lb

Engine output:

140 kW/188 HP(I)

L 556 XPower®

Tipping load, articulated:

30,205 lb

Bucket capacity:

 4.7 yd^3

Operating weight:

40,565 lb

Engine output:

165 kW/221 HP(I)

L 566 XPower®

Tipping load, articulated:

35,055 lb

Bucket capacity:

 5.5 yd^3

Operating weight:

52,690 lb

Engine output:

200 kW/268 HP(I)

L 580 XPower®

Tipping load, articulated:

42,330 lb

Bucket capacity:

 6.8 yd^3

Operating weight:

60,955 lb

Engine output:

230 kW/308 HP(I)

L 586 XPower®

Tipping load, articulated:

47,620 lb

Bucket capacity:

 7.8 yd^3

Operating weight:

71,870 lb

Engine output:

260 kW/349 HP(I)



Economy

Minimum Costs at

High Handling Capacity

Reliability
Ruggedness and Quality
for Durable Machines

ComfortMaximum Operator Comfort for More Productivity

Maintainability
Time and Cost Savings
Through Simple Maintenance



Performance



Power for Increased Productivity

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

Powerful and Efficient Drive Concept

Highest Level of Performance

The Liebherr-XPower driveline brings together the hydrostatic and mechanical drive. The interaction between these two different drives is continuously adjusted automatically to the given application. As a result, XPower® offers the optimal level of efficiency during material loading and transport, as well as providing maximum acceleration and performance along all loading cycles – including long routes. All components are also ideally adapted to each other. XPower® stands for maximum efficiency.

Continuously Variable Transmission

The Liebherr-XPower driveline allows continuous adjustment of acceleration in all speed ranges, without noticeable gear shifting or interruption in tractive force. Powerful working and high driving comfort increases productivity.

High Handling Capacity

Unnecessary counterweight can be avoided through the unique component mounting position at the rear of the machine. Ideal weight distribution results in high tipping loads and greater handling capacity per hour of operation.

The Liebherr-XPower driveline accelerates quickly, allowing high travel speeds. Time savings can be made on flat terrain, as well as on inclines. As a result, there are considerable gains in productivity.

Flexibility and Versatility

Lift Arm Variants Optimised for the Application

The standard Z-bar linkage provides a large torque in the lower region of the lift arm. The ideal prerequisite for conventional wheel loader applications – simple, quick filling of the bucket leads to high handling capacity.

An alternative is available in the form of the industrial lift arm for L 550-L 580 wheel loaders at no extra charge. The industrial lift arm features a parallel guide arrangement and especially high torque in the upper lifting range. The best solution for industrial use as it allows large attachments to be fitted for transporting heavy loads.

Optimal Bucket Filling

The new robust bucket design from Liebherr allows the bucket to be filled quickly and efficiently. Fully filled attachments increase productivity. The bucket's good penetration and simple filling mechanism result in lower fuel consumption.

Wide Range of Applications

The wide range of attachments means the right tool is always to hand. As a result, a multitude of uses can easily be covered. This increases utilisation of the machine and raises productivity. Liebherr wheel loaders can manoeuvre quickly and efficiently thanks to their compact design – the best choice for high handling capacity.

Liebherr-XPower Driveline L 550 – L 586

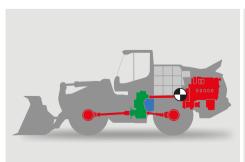
- · Trend-setting driveline for powerful uses
- Optimum weight distribution due to its unique component mounting position
- · Ideal visibility due to its compact design

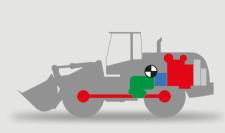
Conventional Travel Gear

- Center of gravity in the middle of the machine
- Additional ballast is needed to increase the tipping load and improve stability
- · This leads to bad visibility

An All-Purpose Loader

The option to choose between industrial lift arm and Z-bar linkage means the right machine is always available for the use specifically required by the customer.







Economy



Minimum Costs at High Handling Capacity

Liebherr wheel loaders make a reliable contribution to commercial success. The fuel-efficient drive concept reduces operating costs and environmental impact at maximum handling capacity.

Low Operating Costs

Save Costs and Protect the Environment

LiDAT

Lower Fuel Consumption

The Liebherr-XPower driveline with Liebherr-Power-Efficiency (LPE) achieves a reduction in fuel consumption of up to 30% when compared to conventional travel gears. At highest efficiency this reduces operating costs and increases profitability.

Practically No Brake Wear

The Liebherr-XPower driveline brakes automatically. The service brake only acts as a support and is therefore subject to hardly any wear.

Minimal Tire Wear

Its continuous traction control, combined with automatic self-locking differential, prevents wheelspin. Productivity is increased and tire wear reduced by up to 25%.

Innovative Exhaust After-Treatment

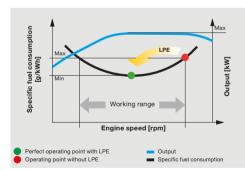
The Liebherr-SCR technology is an efficient system for the after-treatment of exhaust gases. Consumables around the engine, such as diesel particle filters, are not required. Regeneration is no longer necessary and maintenance is reduced. Higher productivity provide fuel savings and a reduction in operating costs.

Economical Use of Resources

The lower fuel consumption and efficient exhaust after-treatment cut emissions. This actively saves resources. While actively protecting the environment, Liebherr wheel loaders reduce operating costs.

Efficient Management

LiDAT. Liebherr's own data transmission positioning system, facilitates efficient management, monitoring and control of the entire fleet park in terms of machinery data recording, data analysis, fleet park management and service. All of the important machinery data can be viewed at any time in a web browser. LiDAT offers you comprehensive work deployment documentation, greater availability thanks to shorter downtimes, faster support from the manufacturer, quicker detection of strain/overload and subsequently a longer service life of the machine as well as greater planning efficiency in your company. This service includes 1 year of use free of charge as standard for the L 550 XPower® - L 586 XPower® wheel loaders.







Low Fuel Consumption Thanks to Intelligent Machine Control

- Liebherr-Power-Efficiency (LPE) optimises the interaction between diesel engine, gearbox and working hydraulics for maximum efficiency
- LPE maximum performance from every drop of fuel

Reduced Brake Wear

 Practically no brake wear due to hydraulic-mechanical braking action of the driveline

Reduced Tire Wear

 Continuous traction control prevents the wheels from spinning

Always Be Informed with LiDAT

- Evaluation of machine usage and fuel consumption for economic machine management
- LiDAT comes standard incl. 1 year free-of-charge use

Reliability



Ruggedness and Quality for Durable Machines

Liebherr wheel loaders provide maximum performance even under the toughest of operating conditions. Specially-developed components, sophisticated technology and high quality offer a high level of reliability and availability.

OEM Quality Components

Durable and Powerful

Liebherr has many decades of experience in the development, construction and production of components. Ideally adapted to each other, they guarantee a high degree of performance and reliability. Liebherr also develops and produces all steel components. These rugged components ensure the long life of the wheel loaders.

Strenuous endurance tests prove to the strength and quality of the components in use. Even under the toughest of usage conditions, Liebherr wheel loaders satisfy Liebherr's stringent quality standards. This ensures reliable use throughout the entire life time of the machine. Consistently powerful machines increase productivity.

High Safe and Versatile Usage

Wear-Free Drive Concept

The components of the Liebherr-XPower driveline are extremely robust and low-wear. The variable distribution of forces between the hydrostatic and mechanical drive also leads to reduced loads on the drive path. XPower® ensures a long life time of the machine and reliability in use.

Continuous Use

Thanks to Liebherr's unique SCR technology, fewer components – such as diesel particle filters or exhaust gas recirculation – are not needed at the engine. This minimises the risk of failure and reduces maintenance expense. This sophisticated technology ensures efficient, continuous work.

Reliable Cooling System

Optimal Cooling Performance

The cooling system is fitted directly behind the operator's cab and is thus able to take in air which is free of dust. In especially dusty applications, the reversible fan drive is a standard feature, a particle protection for the radiator and a large mesh radiator are available as options to protect the cooling system from contaminants getting in. This guarantees continuous cooling output while simultaneously reducing cleaning expenses. Minimal cleaning expenses mean more efficient, more cost-effective working.

Controlled Cooling

The cooling fan is driven independently from the Liebherr diesel engine and produces exactly the cooling air output which is actually required. Heat sensors ensure reliable control.



Powerful Liebherr's Own 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



High Machine Availability

- Reduced load on the driveline through the subdivision of forces
- High, safe and versatile usage thanks to robust, low-wear components
- Fewer components around the engine mean reduced risk of failure



Intelligent Cooling System

- Cooling position on the cleanest position of the wheel loader
- High machine availability thanks to lower radiator contamination
- Controlled cooling through thermostatic control for reliable operations

Comfort



Maximum Operator Comfort for More Productivity

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

Clearly Arranged Cab

Productive and Safe Working

The modern, ergonomic cab design allows the operator to work with high concentration without fatigue – this increases safety and productivity. The displays, controls and operator's seat are carefully coordinated to form an ergonomic unit. The optional laterally-sprung operator's seat offers high seating comfort and relaxed working.

Perfect Visibility

The generous glass surfaces of the cab offer exceptional all-round visibility of the attachment and working area. The design of the engine hood which has been optimised for viewing provides ideal viewing towards the rear as well as monitoring behind the machine from the Liebherr display. This ensures maximum safety for people, the machine and the load, while increasing productivity at the same time.

Well-Being Guaranteed

Optimum storage areas and stowage spaces and optional cool-box increase operator well-being. With air conditioning standard, the improved cooling output ensures a pleasant working atmosphere. This gives the operator maximum comfort and high productivity.

The optional Liebherr key with remote control opens the operator's doors automatically and turns on the lights – for safe and comfortable start-up of the machine.

Simple and Intuitive Operation

Ergonomic Controls

The operating and control instruments are well laid out and user-friendly. All operation-relevant data can be viewed quickly and efficiently. The high operating comfort allows the operator to work efficiently and safely.

Liebherr Control Lever

The Liebherr control lever, which is built into the operator's seat as standard, allows all working and manoeuvring operations to be performed with a high degree of precision and sensitivity. The new electro-hydraulic system allows the operator to programme the lift arm and bucket positions from the cab.

The proportional control of hydraulic attachment is carried out by the Liebherr control lever with mini-joystick. The hydraulic attachment can be controlled with great sensitivity and very ergonomically. The tipping speed for tilting back and dumping can be regulated individually and quickly via the touchscreen display.

Touchscreen Display

The height-adjustable touchscreen display, which comes standard, allows all operating-relevant machine data to be viewed and configured quickly. Visual and acoustic warning devices ensure high operational reliability.

Exceptional All-Round Visibility

- Unobstructed visibility in all directions through optimal cab and engine hood design
- Generous glass surfaces
- More safety and productivity thanks to exceptional visibility

Liebherr Control Lever with Mini-Joystick (optional)

- Ergonomic and comfortable operation
- Control all driving and operating manoeuvres with a single control lever
- Comfortably programme the hydraulic control from the operator's cab

Intuitive Controls

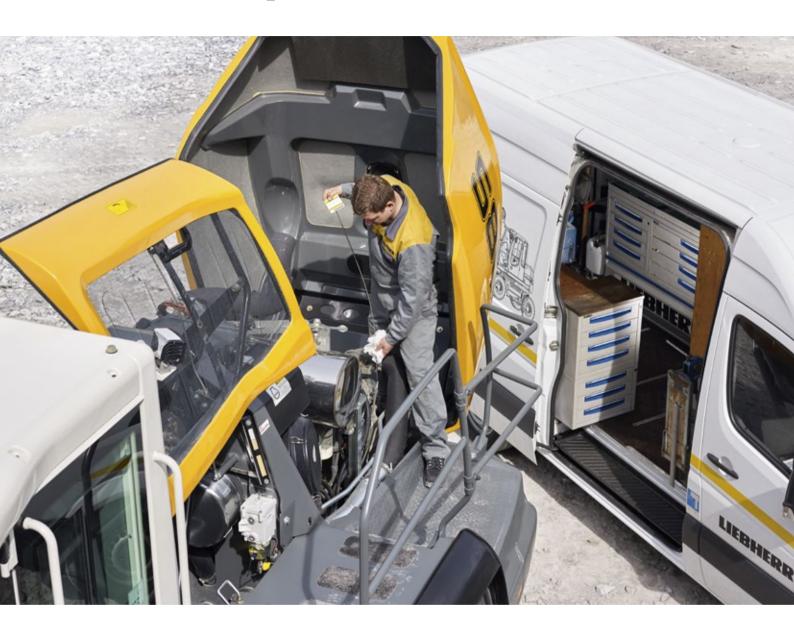
- Quick recoding of operation-relevant machine data
- Ease of controls increases working efficiency
- Liebherr reverse camera available as standard – built into the touchscreen display







Maintainability



Time and Cost Savings Through Simple Maintenance

The most important points for daily maintenance can be seen at a glance in the access area of Liebherr-XPower wheel loaders. Quick and safe checks save time and money.

Exceptional Service Accessibility

Efficient and Simple Maintenance

Thanks to the unique mounting position of the components, Liebherr wheel loaders offer exceptional accessibility for maintenance. The positioning of the cooling package directly behind the operator's cab contributes to a reduction in maintenance and cleaning expenses by reducing contamination. This saves time and money.

Safe and Free Service Access

All points requiring day-to-day maintenance can be reached comfortably, safely and cleanly. Anti-slip steps and sturdy handrails provide a high degree of safety.

Short Service Times for More Productivity

The engine hood, which opens up electrically towards the rear. ensures safe, free access to the entire engine compartment. The service points are easy to see and reach. All maintenance work can be carried out comfortably and safely from a level base in the engine hood. This ensures time-saving maintenance and increases productivity.

Improved access to the windscreen and cab filter box is provided by the access on the right hand side of the machine. Sturdy hand rails and a fold-out ladder provide a high level of safety during cleaning and maintenance.

Strong Service Partner

Safe Partnership with Strong Service

When buying a Liebherr wheel loader the customer not only looks to a long-lived high-end product but also a reliable longterm partnership. A service network combined with a highly-modern central warehouse is available for optimum service and quick replacement part provision. This guarantees short routes and rapid support in the event of service. Round-the-clock if required.

Competent Liebherr Service Offers Maximum Reliability

Comprehensive know-how ensures a first-class execution of all service and maintenance work. This contributes decisively to the availability and profitability of your machine. Employees at Liebherr service partners are trained on an ongoing basis. They have extensive knowledge of quick and safe service performance. They can turn to the expertise of manufacturing plants at any time.

Low

Maintenance

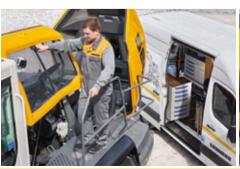
- Less contamination of the radiator thanks to its clever position behind the operator's cab
- · Quick and safe control saves time and money

Optimum Service Accessibility

- The entire engine compartment is accessible via just one enclosure
- The most important fill levels can be seen in the loading area
- Short downtimes means more efficiency

Perfect Service for Optimum Machine Availability

- Quick and effective support thanks to an extensive service network
- · Replacement parts service with 24-hour delivery
- · Quick and reliable service carried out by qualified service specialists







Wheel Loaders L 550 XPower® L 586 XPower® Overview

Sturdy **Attachment**

- + Quick working cycles
- + Durable lift arm
- + Flexible in use
- + Efficient and cost-optimised use by specially adapted lift arm variants
- ✓ High-quality hydraulic components
- ✓ Strong steel construction
- ✓ Wide range of attachments
- ✓ Industrial lift arm and Z-bar linkage optional

Powerful and Efficient **Liebherr-XPower Driveline**

- + Fuel savings of up to 30 %
- + High performance
- + High safe and versatile usage
- + Maximum productivity by high tipping load
- + Tire wear reduced by up to 25 %
- + Practically no brake wear
- + Maximum stability and safety on all terrains
- ✓ Drive components optimally suited to each other by LPE
- ✓ Powerful power split driveline
- ✓ Rugged and durable driveline
- ✓ Ideal weight distribution by intelligent arrangement of drive components
- ✓ Continuous tractive force prevents wheelspin
- ✓ Self-locking hydraulic-mechanical brake system





Comfortable **Operator's Cab**

- + Increased performance and productivity
- + Focused operator work is supported
- + Easy and safe operation
- + Excellent all-round visibility
- ✓ New, modern and ergonomic cab design
- ✓ Control of working and travel functions with one control lever
- ✓ Generous glass surfaces

Intelligent **Cooling System**

- + Constant and reliable cooling
- + Increased service life of components
- + High machine availability through minimal cleaning expenses
- ✓ Controlled cooling
- ✓ Heat sensors ensure reliable control
- ✓ The radiator is installed directly behind the operator's cab - the cleanest position of the wheel loader

Optimum Service Accessibility

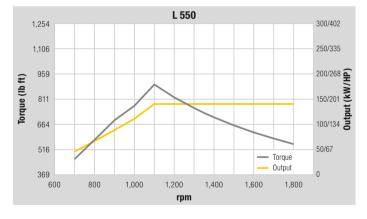
- + Time savings in daily maintenance
- + Short service times for more productivity
- ✓ Rapid control of the most important maintenance points in the access area
- ✓ Safe, simple and quick access to all points important for operations

Technical Data

Engine

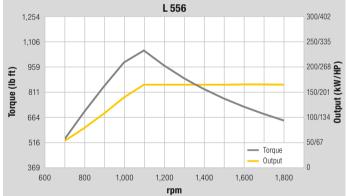
		L 550	L 556		
Diesel engine		D934 A7	D944 A7		
Design		Water-cooled in-line engine with charge-air cooling,			
		exhaust after-treatn	nent through Liebherr-SCR		
		technology, closed diesel particle filter system optiona			
Cylinder inline		4	4		
Fuel injection proce	SS	Electronic Common	Rail high-pressure injection		
Max. gross output					
to ISO 3046	kW/HP(I)	143/192	168/225		
and SAE J1995	at RPM	1,100 - 1,800	1,100 - 1,800		
Max. net output					
to ISO 9249	kW/HP(I)	140/188	165/221		
and SAE J1349	at RPM	1,100 - 1,800	1,100 - 1,800		
Rated output					
to ISO 14396	kW/HP(I)	140/188	165/221		
	at RPM	1,800	1,800		
Max. net torque					
to ISO 9249	lb ft	896	1,055		
and SAE J1349	at RPM	1,100	1,100		
Displacement	in ³	428	486		
Bore/Stroke	in	4.8"/5.91"	5.12"/5.91"		
Air cleaner system		Dry type filter with I	main and safety element,		
		pre-cleaner, service	e indicator on the Liebherr display		
Electrical system					
Operating voltage	Operating voltage V		24		
Battery	Ah	2 x 180	2 x 180		
Alternator	V/A	28/140	28/140		
Starter	V/HP(I)	24/10.5	24/10.5		

The exhaust emissions are below the limits in stage IV / Tier 4f.



⊞ Driveline

Continuous power split 2	KPower® driveline
Design	Continuous, fully-automatic XPower® driveline. No traction interruptions across the entire speed range. Hydrostatic power split with two axial piston units. Identical driving performance – forwards and in reverse
Filtration	Filter system for driveline, depend on working hydraulics
Control	Driveline is controlled from travel pedal for tractive force and speed setting with integrated inch function. The Liebherr control switch is used to control forward and reverse travel
Travel speed range	0 – 24.9 mph forward and reverse, fully-automatic Speed restriction available upon request. Speeds quoted apply with the standard tires as indicated on loader model.



I**→**I Axles

		L 550	L 556
Four-wheel drive			
Front axle		Fixed	
Rear axle Height of obstacles which		Center pivot, wi	th 13° oscillating angle to each side
can be driven over	ft in	1'6" with all four who ground	1'5" eels remaining in contact with the
Differentials		Automatic limite	ed-slip differentials
Reduction gear		Planetary final of	drive in wheel hubs
Track width		6'7" with all typ	es of tires



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

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



•	
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

Attachment Hydraulics

	L	550	L 556		
Design	и	Load-sensin	g" swash plate type variable flow pump		
	W	ith output ar	nd flow control, and pressure cut-off in		
	th	ne control blo	ock		
Cooling	Н	lydraulic oil d	cooling using thermostatically controlled		
	fa	an and oil co	oler		
Filtration	R	eturn line filt	ter in the hydraulic reservoir		
Control	L	Liebherr control lever, electro-hydraulically operated			
Lift circuit	L	Lifting, neutral, lowering			
	А	Automatic hoist kick-out and lowering shut-down by			
	L	iebherr cont	rol lever		
	F	loat position	controlled by Liebherr control lever		
Tilt circuit	T	ilt back, neu	tral, dump		
	А	utomatic bu	cket return for tilting back and dumping		
	С	ontrolled by	Liebherr control lever		
Max. flow	gpm 6	2	62		
Max. pressure					
Z-bar linkage	psi 4	,786	5,221		
Industrial lift arm	psi 5	,076	5,511		



	L 550		L 556	
Geometry variants				
Optional	cross-tu	be		der and cast steel
	coupler	standard		
Bearings	Sealed			
Cycle time at nominal load	ZK	IND	ZK	IND
Lifting	s 5.5	5.5	5.5	5.5
Dumping	s 2.3	3.5	2.3	3.5
Lowering (empty)	s 2.7	2.7	2.7	2.7

Operator's Cab

• Operator s	Cab
Design	Hydraulically 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 sliding side window, sliding side window on right, front windscreen made of compound safety glass, side panels with single-pane safety glass ESG, heated rear window ESG, all windows are tinted. 3 way continuous adjustable steering column
Liebherr operator's seat	6 way adjustable, vibration-damped operator's seat "Comfort" with seat, depth and incline adjustment standard (air-cushioned with seat heating adjustable to operator's weight), Liebherr control lever mounted into the operator's seat standard
Cab heating and ventilation	4-zone air conditioning with new improved cooling output standard, all filters are easy to access and replaceable



Sound Level

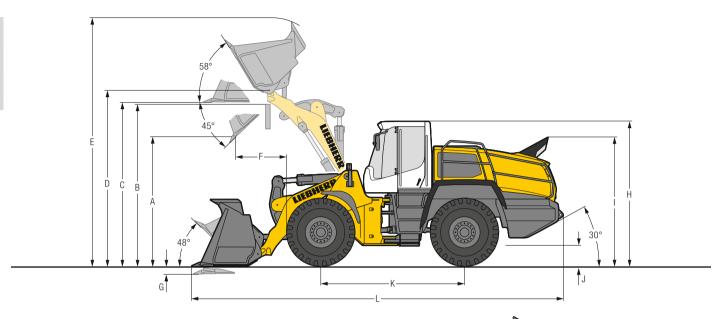
L 550	L 556
dB(A) 68	68
dB(A) 104	104
	dB(A) 68



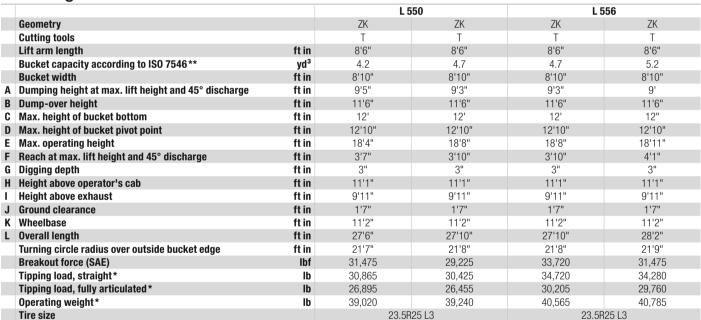
	L 550	L 556	
Fuel tank	gal 74	74	
Engine oil			
(inclusive filter change)	gal 6.9	7.7	
DEF tank	gal 17.8	17.8	
Pump distribution gearbo	x gal 0.3	0.3	
XPower® gearbox	gal 14	14	
Coolant	gal 17.7	17.7	
Front axel	gal 9.2	11.1	
Rear axel	gal 9.2	9.2	
Hydraulic tank	gal 27.7	27.7	
Hydraulic system, total	gal 46.2	46.2	
Air conditioning system			
R134a	lb 2.8	2.8	

Dimensions

Z-bar Linkage



Loading Bucket



^{*} The figures shown include the above tires, all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator.

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

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= Excavation bucket with back grading edge for direct mounting

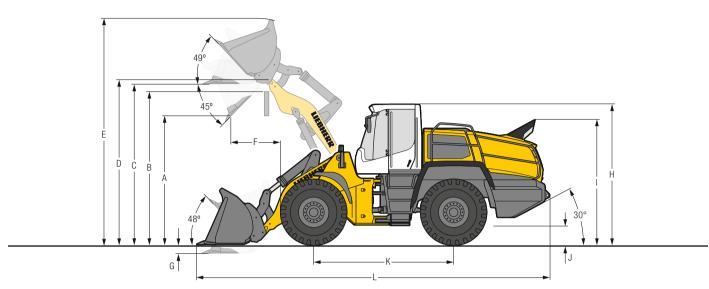
ZK = Z-bar linkage

T = 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.

Dimensions

Industrial Lift Arm



Loading Bucket



_										
			L 550				L 556			
			STD	HL	HL	STD	HL	HL		
	Geometry		IND-QC	IND-QC	IND-QC	IND-QC	IND-QC	IND-QC		
	Cutting tools		T	T	T	T	T	T		
	Lift arm length	ft in	8'6"	9'10"	9'10"	8'6"	9'10"	9'10"		
	Bucket capacity according to ISO 7546**	yd ³	3.9	3.4	3.7	4.3	3.7	3.9		
	Bucket width	ft in	8'10"	8'10"	8'10"	8'10"	8'10"	8'10"		
Α	Dumping height at max. lift height and 45° discharge	ft in	9'5"	11'8"	11'7"	9'4"	11'7"	11'4"		
В	Dump-over height	ft in	11'6"	13'5"	13'5"	11'6"	13'5"	13'5"		
C	Max. height of bucket bottom	ft in	12'5"	14'4"	14'4"	12'5"	14'4"	14'4"		
D	Max. height of bucket pivot point	ft in	13'4"	15'3"	15'3"	13'4"	15'3"	15'3"		
Ε	Max. operating height	ft in	18'4"	20'	20'1"	18'5"	20'1"	20'3"		
F	Reach at max. lift height and 45° discharge	ft in	3'9"	3'1"	3'2"	3'10"	3'2"	3'4"		
G	Digging depth	ft in	3"	3"	3"	3"	3"	3"		
Н	Height above operator's cab	ft in	11'1"	11'1"	11'1"	11'1"	11'1"	11'1"		
I	Height above exhaust	ft in	9'11"	9'11"	9'11"	9'11"	9'11"	9'11"		
J	Ground clearance	ft in	1'7"	1'7"	1'7"	1'7"	1'7"	1'7"		
K	Wheelbase	ft in	11'2"	11'2"	11'2"	11'2"	11'2"	11'2"		
L	Overall length	ft in	28'1"	29'4"	29'6"	28'3"	29'6"	29'9"		
	Turning circle radius over outside bucket edge	ft in	21'9"	22'5"	22'6"	21'10"	22'6"	22'7"		
	Breakout force (SAE)	lbf	28,100	30,575	30,125	29,225	30,125	28,100		
	Tipping load, straight*	lb	28,220	23,590	23,370	31,745	26,455	26,015		
	Tipping load, fully articulated *	lb	24,470	20,280	20,060	27,335	22,705	22,265		
	Operating weight*	lb	41,225	41,665	41,775	42,990	43,430	43,540		
	Tire size			23.5R25 L3			23.5R25 L3			

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

 ■ ■ Excavation bucket with back grading edge for quick coupler = Standard lift arm length

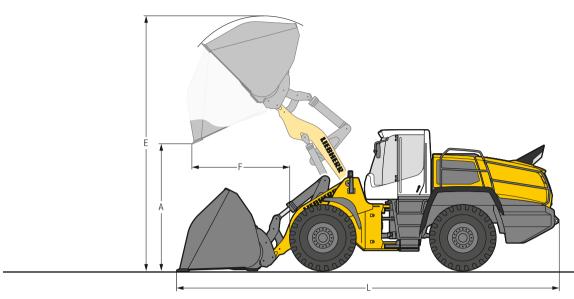
= High Lift

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

= 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



Heavy Material Density



			L 5	550	L 556	
			STD	HL	STD	HL
(Geometry		IND-QC	IND-QC	IND-QC	IND-QC
(Cutting tools		BOCE	BOCE	BOCE	BOCE
E	Bucket capacity	yd ³	6.5	5.9	7.2	6.5
E	Bucket width	ft in	9'8"	9'8"	9'8"	9'8"
A [Dumping height at max. lift height	ft in	8'4"	10'7"	8'	10'3"
E 1	Max. operating height	ft in	19'4"	20'9"	19'11"	21'3"
FF	Reach at maximum lift height	ft in	4'9"	4'1"	5'1"	4'4"
L (Overall length	ft in	28'9"	30'1"	29'2"	30'5"
1	Fipping load, straight*	lb	26,235	21,605	29,100	24,470
1	Fipping load, fully articulated*	lb	22,485	18,300	24,910	20,725
(Operating weight*	lb	42,330	42,770	44,310	44,755
1	Tire size		23.5R	R25 L3	23.5R	25 L3

Light Material Density



			L 5	50	L 5	56
			STD	HL	STD	HL
	Geometry		IND-QC	IND-QC	IND-QC	IND-QC
	Cutting tools		BOCE	BOCE	BOCE	BOCE
	Bucket capacity	yd ³	11.8	10.5	13.1	11.8
	Bucket width	ft in	11'2"	11'2"	11'2"	11'2"
Α	Dumping height at max. lift height	ft in	7'8"	9'7"	7'5"	9'4"
Е	Max. operating height	ft in	20'1"	21'3"	20'6"	21'8"
F	Reach at maximum lift height	ft in	5'7"	5'	5'10"	5'3"
L	Overall length	ft in	30'	31'5"	30'4"	31'9"
	Tipping load, straight*	lb	25,355	20,725	28,880	23,590
	Tipping load, fully articulated*	lb	21,605	17,415	24,470	19,620
	Operating weight*	lb	43,430	43,870	45,195	45,855
	Tire size		23.5F	25 L3	23.5R	25 L3

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

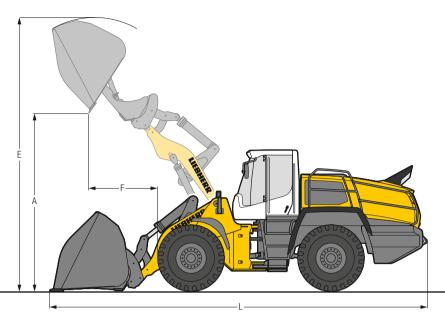
STD = Standard lift arm length

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

HL = High Lift

BOCE = Bolt-on cutting edge

High-Dump Bucket



Heavy Material Density



		L 5	50	L 5	56
		STD	HL	STD	HL
Geometry		IND-QC	IND-QC	IND-QC	IND-QC
Cutting tools		BOCE	BOCE	BOCE	BOCE
Bucket capacity	yd ³	5.9	5.2	6.5	5.9
Bucket width	ft in	8'10"	8'10"	8'10"	8'10"
A Dumping height at max. lift height	ft in	14'11"	16'6"	15'1"	16'11"
Max. operating height	ft in	21'11"	23'4"	22'6"	23'11"
Reach at maximum lift height	ft in	5'10"	5'1"	6'	5'5"
Overall length	ft in	29'6"	30'10"	29'11"	31'4"
Tipping load, straight*	lb	25,130	20,280	28,440	23,150
Tipping load, fully articulated*	lb	21,385	16,975	24,030	19,620
Operating weight*	lb	43,430	43,870	45,415	45,855
Tire size		23.5F	325 L3	23.5R	25 L3

Light Material Density



		L	550	L 5	556
		STD	HL	STD	HL
Geometry		IND-QC	IND-QC	IND-QC	IND-QC
Cutting tools		BOCE	BOCE	BOCE	BOCE
Bucket capacity	yd ³	11.1	9.8	12.4	11.1
Bucket width	ft in	11'2"	11'2"	11'2"	11'2"
A Dumping height at max. lift height	ft in	14'7"	15'9"	15'1"	16'3"
E Max. operating height	ft in	22'8"	23'7"	23'5"	24'7"
F Reach at maximum lift height	ft in	5'11"	5'2"	6'1"	5'5"
L Overall length	ft in	30'2"	31'6"	30'6"	32'
Tipping load, straight*	lb	24,030	19,180	27,560	22,265
Tipping load, fully articulated*	lb	20,505	16,095	23,150	18,520
Operating weight*	lb	44,755	44,975	46,740	46,960
Tire size		23.5	R25 L3	23.5R	25 L3

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

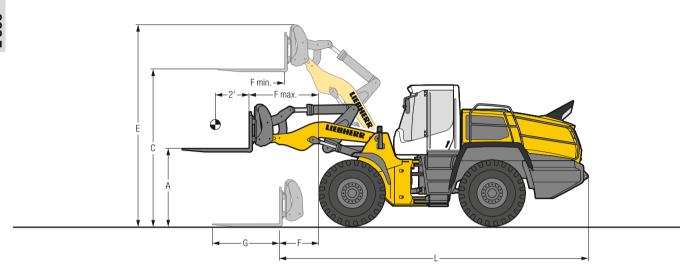
STD = Standard lift arm length

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

HL = High Lift

BOCE = Bolt-on cutting edge

Fork Carrier and Fork



FEM IV Fork Carrier and Fork



			L 550	L 556
	Geometry		IND-QC	IND-QC
Α	Lifting height at max. reach	ft in	6'	6'
C	Max. lifting height	ft in	12'7"	12'7"
E	Max. operating height	ft in	15'10"	15'10"
F	Reach at loading position	ft in	3'3"	3'3"
F max.	Max. reach	ft in	5'6"	5'6"
F min.	Reach at max. lifting height	ft in	2'6"	2'6"
G	Fork length	ft in	4'11"	4'11"
L	Length – basic machine	ft in	24'3"	24'3"
	Tipping load, straight*	lb	20,945	23,590
	Tipping load, fully articulated*	lb	18,300	20,280
	Recommended payload for uneven ground			
	= 60% of tipping load, articulated 1)	lb	10,980	12,170
	Recommended payload for smooth surfaces			
	= 80 % of tipping load, articulated 1)	lb	14,640	16,225
	Operating weight*	lb	39,240	40,785
	Tire size		23.5R25 L3	23.5R25 L3
T. (1				

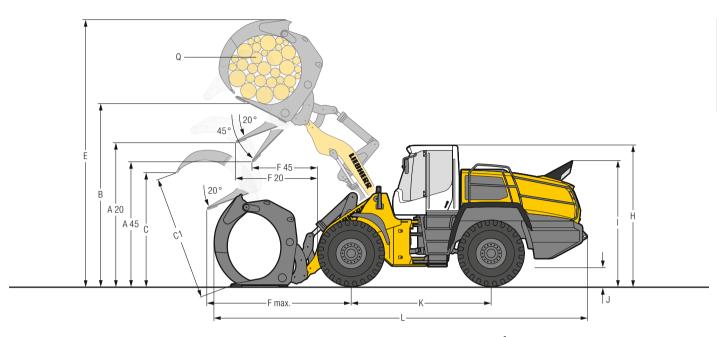
^{*} The figures shown include the above tires, all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator.

Different tires 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



Log Grapple



			L 550	L 556
	Geometry		IND-QC	IND-QC
A20	Discharge height at 20°	ft in	11'9"	11'9"
A45	Discharge height at 45°	ft in	9'11"	9'8"
В	Manipulation height	ft in	14'10"	14'10"
C	Max. grapple opening in loading position	ft in	7'10"	9'
C1	Max. grapple opening	ft in	8'6"	9'10"
E	Max. height	ft in	20'9"	21'3"
F20	Reach at max. lifting height at 20° discharge	ft in	5'9"	6'2"
F45	Reach at max. lifting height at 45° discharge	ft in	4'8"	5'
F max.	Max. reach	ft in	8'9"	9'3"
Н	Height above operator's cab	ft in	11'2"	11'2"
i	Height above exhaust	ft in	10'	10'
J	Ground clearance	ft in	1'8"	1'8"
K	Wheelbase	ft in	11'2"	11'2"
L	Overall length	ft in	28'7"	29'1"
	Width over tires	ft in	8'8"	8'8"
Q	Grapple diameter	yd²	2.15	2.85
	Grapple width	ft in	5'3"	5'3"
	Payload*	lb	13,890	14,110
	Operating weight*	lb	43,430	45,195
	Tire size		23.5R25 L4	23.5R25 L4

^{*} The figures shown include the above tires, all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator. Different tires and optional equipment will change the operating weight and payload.

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

Tire Types

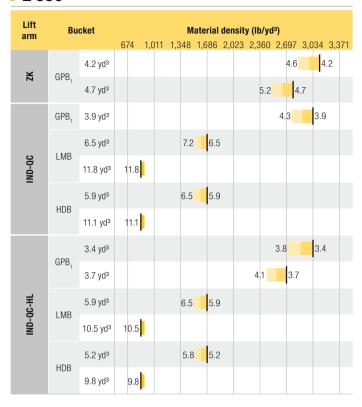
	Size and tread code	e	Change of operating weight Ib	Width over tires ft in	Change in vertical dimensions* ft in	Use
L 550 XPow	er®/L 556 XPower®)				
3ridgestone	23.5R25 VJT	L3	304	8'9"	0,24"	Bulk material (firm ground conditions)
Bridgestone	23.5R25 VLTS	L4	794	8'9"	1,54"	Gravel, Industry (firm ground conditions)
Bridgestone	23.5R25 VSDL	L5	1,980	8'9"	2,56"	Stone, Scrap, Recycling (firm ground conditions)
Bridgestone	23.5R25 VSDT	L5	1,876	8'9"	2,17"	Stone, Scrap, Recycling (firm ground conditions)
Bridgestone	650/65R25 VTS	L3	9	8'10"	- 1,18"	Gravel (all ground conditions)
Bridgestone	750/65R25 VTS	L3	1,605	9'5"	0,43"	Gravel, Industry, Wood (all ground conditions)
Goodyear	23.5R25 RT-3B	L3	414	8'9"	0,79"	Gravel (all ground conditions)
Goodyear	23.5R25 TL-3A+	L3	626	8'9"	1,42"	Sand, Gravel, Earthworks, Clay (all ground conditions)
Goodyear	23.5R25 GP-4D	L4	723	8'10"	0,98"	Gravel, Industry, Wood (firm ground conditions)
Goodyear	23.5R25 RL-4K	L4	1,102	8'10"	1,54"	Gravel, Industry, Stone (firm ground conditions)
Goodyear	23.5R25 RL-5K	L5	2,064	8'10"	2,24"	Stone, Scrap, Recycling (firm ground conditions)
Goodyear	23.5R25 RL-5S	L5	2,134	8'10"	2,24"	Scrap, Recycling, Slag (firm ground conditions)
Goodyear	23.5R25 RT-5D	L5	1,808	8'9"	2,17"	Stone, Mining spoil (firm ground conditions)
Goodyear	750/65R25 TL-3A+	L3	1,499	9'7"	0,94"	Sand, Gravel, Industry, Wood (all ground conditions)
/lichelin	23.5R25 XHA2	L3	0	8'8"	0"	Sand, Gravel (all ground conditions)
/lichelin	23.5R25 XTLA	L2	- 26	8'8"	-0,16"	Gravel, Earthworks, Clay (all ground conditions)
/lichelin	23.5R25 XMINE	L5	1,675	8'10"	2,40"	Stone, Scrap, Recycling (firm ground conditions)
Michelin	23.5R25 XLD D2A	L5	1,349	8'9"	1,02"	Stone, Mining spoil (firm ground conditions)
/lichelin	650/65R25 XLD65	L3	- 247	8'10"	- 2,09"	Gravel, Industry, Wood (all ground conditions)
/lichelin	750/65R25 XLD65	L3	1,155	9'5"	- 0,28"	Gravel, Industry, Wood (all ground conditions)

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

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

Bucket Selection

L 550



L 556



Bucket Filling Factor



Lift Arm

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

Bucket

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

Bulk Material Densities and Bucket Filling Factors

		lb/yd³	%
Gravel	moist	3,203	105
	dry	2,697	105
	crushed stone	2,528	100
Sand	dry	2,528	105
	wet	3,203	110
Gravel and	dry	2,865	105
Sand	wet	3,371	100
Sand/Clay		2,697	110
Clay	natural	2,697	110
	dry	2,360	110
Clay/Gravel	dry	2,360	110
	wet	2,697	100

		ID/ya-	%
Earth	dry	2,191	115
	wet excavated	2,697	110
Topsoil		1,854	110
Basalt		3,287	100
Granite		3,034	95
Sandstone		2,697	100
Slate		2,950	100
Bauxite		2,360	100
Limestone		2,697	100
Gypsum	broken	3,034	100
Coke		843	110
Slag	broken	3,034	100

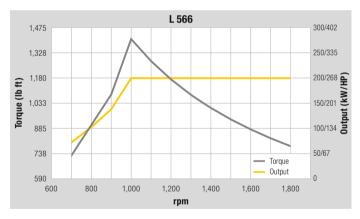
		lb/yd³	%
Glass waste	broken	2,360	100
	solid	1,686	100
Compost	dry	1,348	105
	wet	1,686	110
Wood chips/s	Saw dust	843	110
Paper	shredded/loose	1,011	110
	recovered paper/cardboard	1,686	110
Coal	heavy material density	2,023	110
	light material density	1,517	110
Waste	domestic waste	843	100
	bulky waste	1,686	100

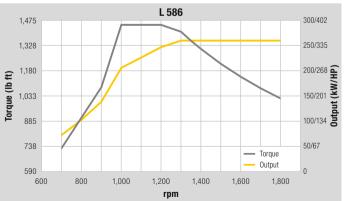
Technical Data

Engine

			L 566	L 580	L 586
Di	iesel engine		D936 A7	D936 A7	D936 A7
	Design		Water-cooled in	n-line engine with o	charge-air cooling,
			exhaust after-tr	eatment through L	iebherr-SCR
					filter system optional
	Cylinder inline		6	6	6
	Fuel injection proces	S	Electronic Com	mon Rail high-pres	ssure injection
	Max. gross output				
	to ISO 3046	kW/HP(I)	203/272	233/312	263/353
	and SAE J1995	at RPM	1,000 - 1,800	1,200 - 1,800	1,300 - 1,800
	Max. net output				
	to ISO 9249	kW/HP(I)	200/268	230/308	260/349
	and SAE J1349	at RPM	1,000 - 1,800	1,200 - 1,800	1,300 - 1,800
	Rated output				
	to ISO 14396	kW/HP(I)	200/268	230/308	260/349
		at RPM	1,800	1,800	1,800
	Max. net torque				
	to ISO 9249	lb ft	1,409	1,450	1,450
	and SAE J1349	at RPM	1,000	1,000	1,000
	Displacement	in ³	642	642	642
	Bore/Stroke	in	4.8"/5.91"	4.8"/5.91"	4.8"/5.91"
Αi	ir cleaner system		Dry type filter w	ith main and safet	y element,
			pre-cleaner, se	rvice indicator on t	he Liebherr display
ΕI	ectrical system				
	Operating voltage	V	24	24	24
	Battery		2 x 180	2 x 180	2 x 180
	Alternator		28/140	28/140	28/140
	Starter	V/HP(I)	24/10.5	24/10.5	24/10.5

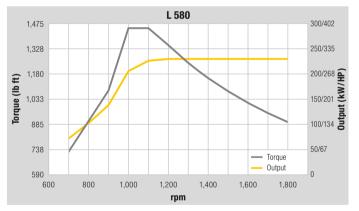
The exhaust emissions are below the limits in stage IV/Tier 4f.





Driveline

Continuous power split XPo	wer® driveline
Design	Continuous, fully-automatic XPower® driveline. No traction interruptions across the entire speed range. Hydrostatic power split with two axial piston units. Identical driving performance – forwards and in reverse
Filtration	Filter system for driveline, depend on working hydraulics
Control	Driveline is controlled from travel pedal for tractive force and speed setting with integrated inch function. The Liebherr control switch is used to control forward and reverse travel
Travel speed range	L 566 – L 580: 0 – 24.9 mph forward and reverse, fully-automatic L 586: 0 – 20.5 mph forward and reverse, fully-automatic Speed restriction available upon request. Speeds quoted apply with the standard tires as indicated on loader model.



I→I Axles

		L 566	L 580	L 586
Four-wheel drive				
Front axle		Fixed		
Rear axle Height of obstacles which		Center pivot, with	n 13° oscillating	angle to each side
can be driven over	in ft	1'7.4" with all four whee ground	1'6.6" els remaining in	1'8.6" contact with the
Differentials		Automatic limited	I-slip differentia	ıls
Reduction gear		Planetary final dr	ive in wheel hul	bs
Track width		7'4" with all types 6' with all types 6		, L 580)

Brakes

Wear-free service brake	Self-locking of the XPower® driveline (acting on all four wheels) and additional pump-accumulator brake system with wet multi-disc brakes (two separate brake circuits)
Parking brake	Electro-hydraulically actuated spring-loaded disc brake system on the transmission
The braking system meets the	requirements of the EC guidelines 71/320.

♦ 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	38° to each side (L 566, L 580) 37° to each side (L 586)
Emergency steering	Electro-hydraulic emergency steering system

Attachment Hydraulics

		LECC	1 500	LEOC		
		L 566	L 580	L 586		
Design		"Load-sen:	sing" swash plate t	ype variable flow pump		
		with output	t and flow control,	and pressure cut-off in		
		the control	block			
Cooling		Hydraulic o	oil cooling using the	ermostatically controlled		
		fan and oil	cooler			
Filtration		Return line	filter in the hydrau	lic reservoir		
Control		Liebherr co	ontrol lever, electro	-hydraulically operated		
Lift circuit		Lifting, neutral, lowering				
		Automatic	hoist kick-out and	lowering shut-down by		
		Liebherr co	ontrol lever			
		Float positi	ion controlled by Li	ebherr control lever		
Tilt circuit		Tilt back, r	neutral, dump			
		Automatic	bucket return for ti	Iting back and dumping		
		controlled	by Liebherr control	lever		
Max. flow	gpm	77	84	108		
Max. pressure						
Z-bar linkage	psi	5,076	5,511	4,786		
Industrial lift arm	psi	5,511	5,511			

5 Attachment

	L 566		L 580		L 586		
Geometry variants							
Optional	Powerful Z-bar linkage with tilt cylinder and cast steel cross-tube						
	Industr	nder, hydra 80)	ulic quick				
Bearings	Sealed		(,	/			
Cycle time at nominal load	ZK	IND	ZK	IND	ZK		
Lifting	s 5.5	5.5	6.1	6.1	6.5		
Dumping	s 2.0	3.0	2.0	3.2	3.0		
Lowering (empty)	s 3.5	3.5	3.5	3.5	4.0		

• Operator's	Cab
Design	Hydraulically 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 sliding side window, sliding side window on right, front windscreen made of compound safety glass, side panels with single-pane safety glass ESG, heated rear window ESG, all windows are tinted. 3 way continuous adjustable steering column
Liebherr operator's seat	6 way adjustable, vibration-damped operator's seat "Comfort" with seat, depth and incline adjustment standard (air-cushioned with seat heating adjustable to operator's weight), Liebherr control lever mounted into the operator's seat standard
Cab heating and ventilation	4-zone air conditioning with new improved cooling output standard, all filters are easy to access and replaceable



Sound Level

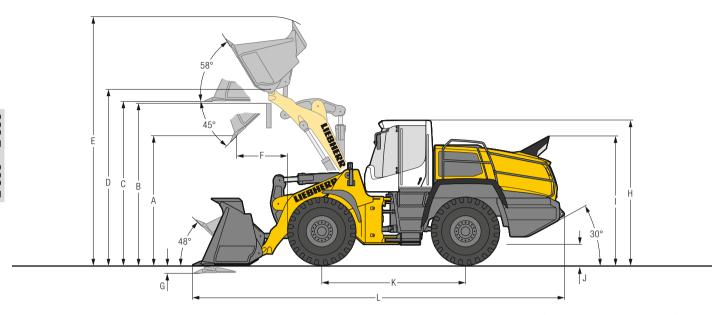
	L 566	L 580	L 586	
Sound pressure level				
to ISO 6396				
L _{pA} (inside cab)	dB(A) 68	68	68	
Sound power level				
to 2000/14/EC				
L _{WA} (surround noise)	dB(A) 105	105	107	

Capacities

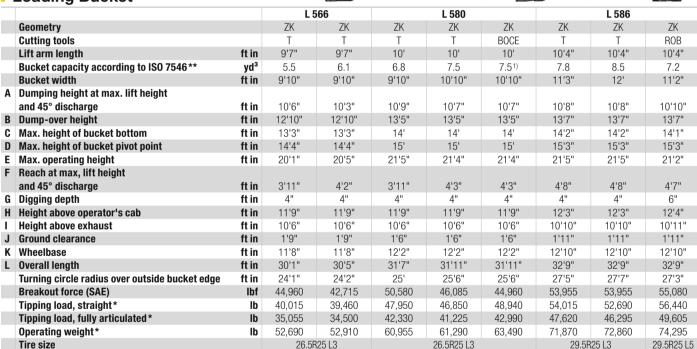
	L 566	L 580	L 586
Fuel tank	gal 96	96	132
Engine oil			
(inclusive filter change)	gal 10.6	10.6	10.6
DEF tank	gal 17.8	17.8	17.8
Pump distribution gearbo	x gal 0.3	0.3	0.3
XPower® gearbox	gal 14.5	14.5	14.5
Coolant	gal 19.3	19.3	19.3
Front axel	gal 11.1	15.3	15.9
Rear axel	gal 11.1	15.3	15.9
Hydraulic tank	gal 27.7	27.7	25.1
Hydraulic system, total	gal 50.2	50.2	55.5
Air conditioning system			
R134a	lb 2.8	2.8	2.8

imensions

Z-bar Linkage



Loading Bucket



The figures shown include the above tires, all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator. Different tires and optional equipment will change the operating weight and tipping load. (Tipping load, fully articulated according to ISO 14397-1)

= Rehandling bucket for direct mounting

= Excavation bucket with back grading edge for direct mounting

= Rock bucket with oblique base for quarrying applications for direct mounting

= Z-bar linkage

= Welded-on tooth holder with add-on teeth

BOCE = Bolt-on cutting edge

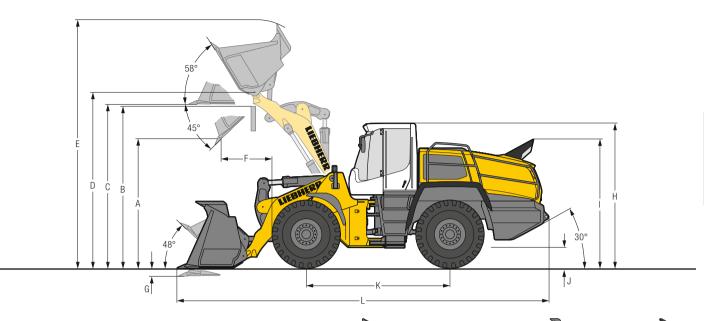
= Rock bucket with delta cutting edge, welded-on tooth holder with add-on teeth and bolted intermediate sections

^{**} 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 pages 35/36.

¹⁾ Toothed buckets, hydraulic quick coupler and additional hydraulic circuits are not approved for rehandling application.

Dimensions

Z-bar Linkage High Lift



Loading Bucket

		L 566		L 580			L 586		
Geometry		ZK	ZK	ZK	ZK	ZK	ZK	ZK	ZK
Cutting tools		T	T	T	T	BOCE	T	T	ROB
Lift arm length	ft in	10'8"	10'8"	10'8"	10'8"	10'8"	11'4"	11'4"	11'4"
Bucket capacity according to ISO 7546**	yd ³	4.8	5.5	6.1	6.8	6.81)	7.2	7.8	6.5
Bucket width	ft in	9'10"	9'10"	9'10"	9'10"	9'10"	11'2"	11'2"	11'2"
A Dumping height at max. lift height									
and 45° discharge	ft in	12'2"	12'	11'8"	11'5"	11'3"	12'3"	12'	12'3"
B Dump-over height	ft in	14'1"	14'1"	14'1"	14'1"	14'1"	14'9"	14'9"	14'9"
C Max. height of bucket bottom	ft in	14'8"	14'8"	14'8"	14'8"	14'8"	15'7"	15'7"	15'8"
D Max. height of bucket pivot point	ft in	15'8"	15'8"	15'8"	15'8"	15'8"	16'7"	16'7"	16'8"
E Max. operating height	ft in	21'2"	21'6"	21'10"	22'1"	22'	22'10"	22'11"	22'4"
F Reach at max. lift height									
and 45° discharge	ft in	3'8"	3'11"	3'11"	4'2"	4'5"	4'6"	4'8"	4'6"
G Digging depth	ft in	6"	6"	6"	6"	6"	4"	4"	6"
H Height above operator's cab	ft in	11'9"	11'9"	11'9"	11'9"	11'9"	12'3"	12'3"	12'4"
I Height above exhaust	ft in	10'6"	10'6"	10'6"	10'6"	10'6"	10'10"	10'10"	10'11"
J Ground clearance	ft in	1'9"	1'9"	1'6"	1'6"	1'6"	1'11"	1'11"	1'11"
K Wheelbase	ft in	11'8"	11'8"	12'2"	12'2"	12'2"	12'10"	12'10"	12'10"
L Overall length	ft in	31'2"	31'6"	32'1"	32'5"	32'9"	33'8"	33'9"	33'10"
Turning circle radius over outside bucket edge	ft in	24'6"	24'8"	25'2"	25'4"	25'5"	27'11"	28'1"	27'9"
Breakout force (SAE)	lbf	47,210	44,960	53,955	50,580	50,580	56,200	53,955	58,450
Tipping load, straight*	lb	34,945	34,500	44,535	44,090	45,415	49,385	47,840	50,045
Tipping load, fully articulated*	lb	30,535	30,095	39,240	38,800	40,125	43,430	41,885	44,090
Operating weight*	lb	52,910	53,130	60,955	61,180	63,050	71,870	72,750	74,735
Tire size		26.5F	R25 L3		26.5R25 L3		29.5F	125 L3	29.5R25 L5

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

= Excavation bucket with back grading edge for direct mounting

= Rehandling bucket for direct mounting

= Rock bucket with oblique base for quarrying applications for direct mounting

= Z-bar linkage

= Welded-on tooth holder with add-on teeth

BOCE = Bolt-on cutting edge

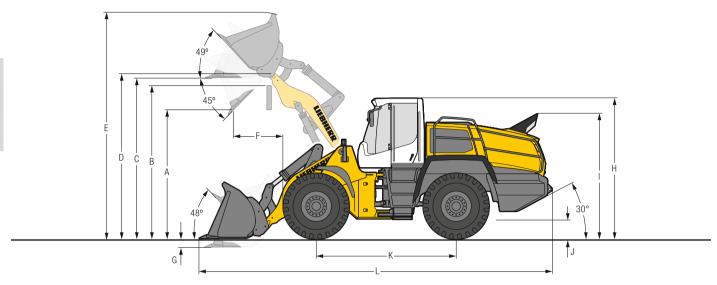
ROB = Rock bucket with delta cutting edge, welded-on tooth holder with add-on teeth and bolted intermediate sections

^{**} 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 pages 35/36.

¹⁾ Toothed buckets, hydraulic quick coupler and additional hydraulic circuits are not approved for rehandling application.

Dimensions

Industrial Lift Arm



Loading Bucket



L 566 L 580
Cutting tools T 10° 9°6" 9°6" 9°6" 9°6" 9°6" 9°6" 9°10" 9°10" 9°10" 9°10" 9°10" 9°10" 9°10" 9°10"<
Lift arm length ft in 9'6" 9'6" 9'6" 9'6" Bucket capacity according to ISO 7546** yd³ 4.6 5.2 5.9 6.5 Bucket width ft in 9'10" 9'10" 9'10" 9'10" Dumping height at max. lift height and 45° discharge ft in 10'6" 10'4" 10'1" 9'10"
Bucket capacity according to ISO 7546** yd³ 4.6 5.2 5.9 6.5 Bucket width ft in 9'10" 9'10" 9'10" 9'10" Dumping height at max. lift height and 45° discharge ft in 10'6" 10'4" 10'1" 9'10"
Bucket width ft in 9'10" 9'10" 9'10" 9'10" Dumping height at max. lift height and 45° discharge ft in 10'6" 10'4" 10'1" 9'10"
Dumping height at max. lift height and 45° discharge ft in 10'6" 10'4" 10'1" 9'10"
and 45° discharge ft in 10'6" 10'4" 10'1" 9'10"
Dump-over height ft in 12'10" 12'10" 12'10" 12'10"
Max. height of bucket bottom ft in 13'7" 13'7" 13'7"
Max. height of bucket pivot point ft in 14'9" 14'9" 14'9" 14'9"
Max. operating height ft in 19'10" 20'3" 20'7" 20'9"
Reach at max. lift height
and 45° discharge ft in 4'2" 4'5" 4'3" 4'
Digging depth ft in 4" 4" 4" 4"
Height above operator's cab ft in 11'9" 11'9" 11'9" 11'9"
Height above exhaust ft in 10'6" 10'6" 10'6"
Ground clearance ft in 1'9" 1'9" 1'6" 1'6"
Wheelbase ft in 11'11" 11'11" 12'2" 12'2"
Overall length ft in 30'5" 30'9" 31'4" 31'8"
Turning circle radius over outside bucket edge ft in 24'4" 24'5" 24'10" 24'11"
Breakout force (SAE) Ibf 44,960 41,590 44,960 41,590
Tipping load, straight* Ib 37,700 36,705 44,425 43,430
Tipping load, fully articulated * Ib 33,070 32,075 39,130 38,140
Operating weight* Ib 54,675 55,005 61,840 62,170
Tire size 26.5R25 L3 26.5R25 L3

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

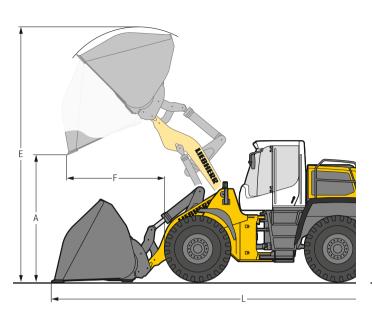
The degree to which the bucket can be filled depends on the material – see pages 35/36.

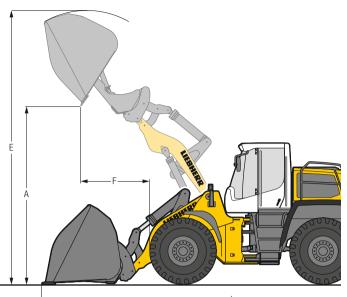
= Excavation bucket with back grading edge for quick coupler IND-QC = Industrial lift arm with parallel guidance incl. guick coupler

= Welded-on tooth holder with add-on teeth

^{**} Actual bucket capacity may be approx. 10 % larger than the calculation according to ISO 7546 standard.

Light Material Bucket and High-Dump Bucket





Light Material Bucket





			L 5	i66	L t	L 586	
	Geometry		IND-QC	IND-QC	IND-QC	IND-QC	ZK
	Cutting tools		BOCE	BOCE	BOCE	BOCE	BOCE
	Bucket capacity	yd ³	8.5	15.7	9.8	18.3	11.1
	Bucket width	ft in	10'6"	12'2"	11'2"	13'1"	11'6"
Α	Dumping height at max. lift height	ft in	9'6"	8'7"	9'3"	8'2"	9'8"
Ε	Max. operating height	ft in	21'3"	22'	21'7"	22'4"	22'5"
F	Reach at maximum lift height	ft in	4'10"	6'1"	5'1"	6'5"	5'10"
L	Overall length	ft in	31'4"	32'11"	31'10"	33'6"	33'6"
	Tipping load, straight*	lb	34,610	32,185	30,645	39,460	52,910
	Tipping load, fully articulated*	lb	30,205	27,780	37,260	34,170	46,295
	Operating weight*	lb	55,885	57,980	63,160	65,255	72,310
	Tire size		26.5F	25 L3	26.5F	R25 L3	29.5R25 L3

High-Dump Bucket





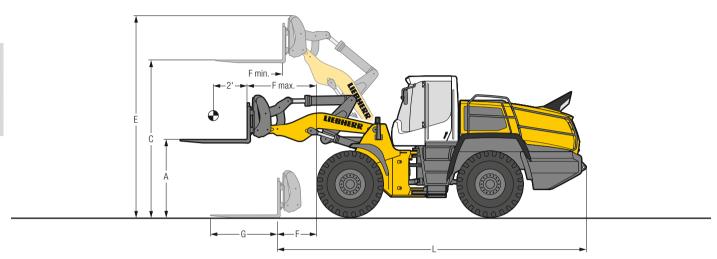
		L 5	66	L 5	80	L 586
Geometry		IND-QC	IND-QC	IND-QC	IND-QC	ZK
Cutting tools		BOCE	BOCE	BOCE	BOCE	BOCE
Bucket capacity	yd ³	7.8	14.4	9.2	17.0	11.1
Bucket width	ft in	10'6"	12'2"	10'6"	13'1"	11'6"
A Dumping height at max. lift height	ft in	16'10"	15'11"	16'4"	15'8"	16'9"
E Max. operating height	ft in	23'8"	24'7"	24'4"	25'1"	25'3"
F Reach at maximum lift height	ft in	5'10"	7'	6'8"	6'9"	6'7"
L Overall length	ft in	32'2"	33'3"	33'	33'10"	34'5"
Tipping load, straight*	lb	32,410	31,085	39,240	37,700	51,145
Tipping load, fully articulated*	lb	28,000	26,675	34,170	32,630	44,755
Operating weight*	lb	57,320	59,305	64,155	66,360	73,855
Tire size		26.5R	25 L3	26.5R	25 L3	29.5R25 L3

^{*} The figures shown include the above tires, all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator. Different tires 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

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

Fork Carrier and Fork



FEM IV Fork Carrier and Fork



			L 566	L 580
	Geometry		IND-QC	IND-QC
Α	Lifting height at max. reach	ft in	6'10"	6'10"
C	Max. lifting height	ft in	13'9"	13'10"
E	Max. operating height	ft in	17'1"	17'1"
F	Reach at loading position	ft in	3'9"	3'4"
F max.	Max. reach	ft in	6'4"	5'11"
F min.	Reach at max. lifting height	ft in	3'3"	2'10"
G	Fork length	ft in	5'11"	5'11"
L	Length – basic machine	ft in	26'7"	26'10"
	Tipping load, straight*	lb	29,760	35,935
	Tipping load, fully articulated*	lb	26,235	31,745
	Recommended payload for uneven ground			
	= 60% of tipping load, articulated 1)	lb	15,740	21,560
	Recommended payload for smooth surfaces			
	= 80 % of tipping load, articulated 1)	lb	20,990	22,0452)
	Operating weight*	lb	52,800	59,305
	Tire size		26.5R25 L3	26.5R25 L3
T1 (1		Dobo (50	200 1 111	

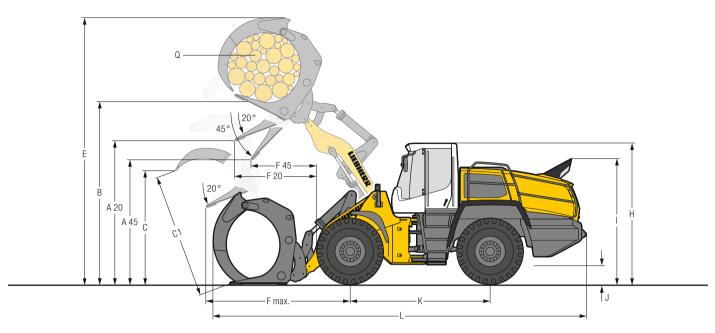
 $^{^{\}star}$ The figures shown include the above tires, all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator. Different tires and optional equipment will change the operating weight and tipping load. (Tipping load, fully articulated according to ISO 14397-1)

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

¹⁾ According to EN 474-3

²⁾ Payload is limited by FEM IV fork carrier and forks

Log Grapple



Log Grapple

Payload*

Tire size

Operating weight*



5'11"

18,080

59,415

26.5R25 L4

ft in

lb

lb

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

5'11"

20,280

65,805

26.5R25 L4

^{*} The figures shown include the above tires, all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator. Different tires and optional equipment will change the operating weight and payload.

Tires

Tiro Types

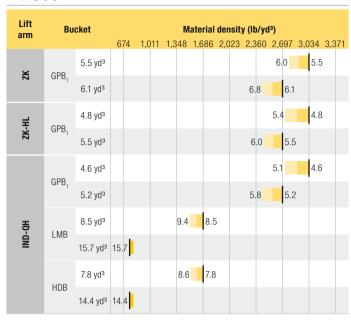
	Size and tread cod	е	Change of operating weight lb	Width over tires ft in	Change in vertical dimensions* in	Use
L 566 XPow	er®		IU	10111		
	26.5R25 VJT	L3	353	9'9"	0,55"	Bulk material (firm ground conditions)
Bridgestone	26.5R25 VLTS	L4	926	9'9"	1,73"	Gravel, Industry (firm ground conditions)
Bridgestone	26.5R25 VSDT	L5	2,288	9'9"	1,97"	Stone, Mining spoil (firm ground conditions)
	26.5R25 VSDL	L5	2,844	9'9"	2,24"	Stone, Scrap, Recycling (firm ground conditions)
	26.5R25 VSMS	L5	3,525	9'9"	2,76"	Scrap, Recycling, Slag (firm ground conditions)
	26.5R25 VSNT	L4	1,270	9'9"	1,85"	Gravel, Industry, Wood (firm ground conditions)
0	750/65R25 VTS	L3	428	10'1"	- 1,54"	Gravel, Industry, Wood (all ground conditions)
Goodyear	26.5R25 RT-3B	L3	714	9'9"	1,02"	Gravel (all ground conditions)
Goodyear	26.5R25 TL-3A+	L3	767	9'9"	1,18"	Sand, Gravel, Earthworks, Clay (all ground conditions)
Goodyear	26.5R25 GP-4D	L4	961	9'9"	1,02"	Gravel, Industry, Wood (firm ground conditions)
Goodyear	26.5R25 RL-4K	L4 L4	1,711	9'10"	2,48"	Gravel, Industry, Stone (firm ground conditions)
				9'10"		
Goodyear	26.5R25 RL-5K	L5	2,743		2,48"	Stone, Scrap, Recycling (firm ground conditions)
Goodyear	26.5R25 RL-5S	L5	3,219	9'10"	2,48"	Scrap, Recycling, Slag (firm ground conditions)
Goodyear	26.5R25 RT-5D	L5	2,222	9'10"	2,48"	Stone, Mining spoil (firm ground conditions)
Goodyear	750/65R25 TL-3A+	L3	326	10'2"	- 1,02"	Sand, Gravel, Industry, Wood (all ground conditions)
Michelin	26.5R25 XHA2	L3	0	9'9"	0"	Sand, Gravel (all ground conditions)
Michelin	26.5R25 XMINE	L5	2,434	9'10"	2,68"	Stone, Scrap, Recycling (firm ground conditions)
Michelin	26.5R25 XLD D2A	L5	1,534	9'9"	1,50"	Stone, Mining spoil (firm ground conditions)
Michelin	26.5R25 XTXL	L4	1,076	9'9"	0,91"	Gravel, Industry, Wood (firm ground conditions)
Michelin	750/65R25 XLD 65	L3	- 18	10'	- 2,24"	Gravel, Industry, Wood (all ground conditions)
L 580 XPow	er®					
Bridgestone	26.5R25 VJT	L3	353	9'9"	0,55"	Bulk material (firm ground conditions)
	26.5R25 VSDT	L5	2,288	9'9"	1,97"	Stone, Mining spoil (firm ground conditions)
	26.5R25 VSDL	L5	2,844	9'9"	2,24"	Stone, Scrap, Recycling (firm ground conditions)
	26.5R25 VSMS	L5	3,525	9'9"	2,76"	Scrap, Recycling, Slag (firm ground conditions)
	26.5R25 VSNT	L4	1,270	9'9"	1,85"	Gravel, Industry, Wood (firm ground conditions)
	750/65R25 VTS	L3	190	10'1"	- 1, 5 4"	Gravel, Industry, Wood (all ground conditions)
Goodyear	26.5R25 RT-3B	L3	714	9'9"	1,02"	Gravel (all ground conditions)
Goodyear	26.5R25 TL-3A+	L3	767	9'9"	1,18"	Sand, Gravel, Earthworks, Clay (all ground conditions)
Goodyear	26.5R25 GP-4D	L4	961	9'9"	1,02"	Gravel, Industry, Wood (firm ground conditions)
Goodyear	26.5R25 RL-4K	L4	1,711	9'10"	2,48"	Gravel, Industry, Stone (firm ground conditions)
Goodyear	26.5R25 RL-5K	L5	2,743	9'10"	2,48"	Stone, Scrap, Recycling (firm ground conditions)
Goodyear	26.5R25 RL-5S	L5	3,219	9'10"	2,48"	Scrap, Recycling, Slag (firm ground conditions)
Goodyear	26.5R25 RT-5D	L5	2,222	9'10"	2,48"	Stone, Mining spoil (firm ground conditions)
	750/65R25 TL-3A+	L3	88	10'2"	- 1,02"	Sand, Gravel, Industry, Wood (all ground conditions)
Goodyear Michelin	26.5R25 XHA2	L3	0	9'9"	- 1,02 0"	Sand, Gravel (all ground conditions)
Michelin	26.5R25 XMINE	L5	2,434	9'10"	2,68"	Stone, Scrap, Recycling (firm ground conditions)
				9'9"		
Michelin Michelin	26.5R25 XLD D2A 26.5R25 XTXL	L5 L4	1,534	9'9"	1,50" 0,91"	Stone, Mining spoil (firm ground conditions)
Michelin Michelin	=== (0=D0= \ // D 0=		1,076	4.01	0.04"	Gravel, Industry, Wood (firm ground conditions)
Michelin	750/65R25 XLD 65	L3	- 256	10'	- 2,24"	Gravel, Industry, Wood (all ground conditions)
L 586 XPow		1.6	000	10'0"	0.50"	D. H
	29.5R25 VJT	L3	322	10'8"	0,59"	Bulk material (firm ground conditions)
	29.5R25 VSDT	L5	3,020	10'9"	1,97"	Stone, Mining spoil (firm ground conditions)
	29.5R25 VSDL	L5	3,814	10'9"	2,36"	Stone, Scrap, Recycling (firm ground conditions)
	29.5R25 VSNT	L4	1,570	10'9"	1,97"	Gravel, Industry, Wood (firm ground conditions)
Goodyear	29.5R25 TL-3A+	L3	1,173	10'10"	1,42"	Sand, Gravel, Earthworks, Clay (all ground conditions)
Goodyear	29.5R25 GP-4D	L4	1,111	10'8"	0,94"	Gravel, Industry, Wood (firm ground conditions)
Goodyear	29.5R25 RL-4K	L4	2,478	10'9"	1,73"	Gravel, Industry, Stone (firm ground conditions)
Goodyear	29.5R25 RL-5K	L5	3,527	10'10"	2,60"	Stone, Scrap, Recycling (firm ground conditions)
Goodyear	29.5R25 RT-5D	L5	3,325	10'10"	2,20"	Stone, Mining spoil (firm ground conditions)
Goodyear	29.5R25 RL-5S	L5	4,630	10'9"	2,60"	Scrap, Recycling, Slag (firm ground conditions)
Michelin	29.5R25 XHA2	L3	0	10'8"	0"	Sand, Gravel (all ground conditions)
Michelin	29.5R25 XLD D2A	L5	2,064	10'8"	1,02"	Stone, Mining spoil (firm ground conditions)
Michelin	29.5R25 XTXL	L4	1,336	10'9"	1,02"	Gravel, Industry, Wood (firm ground conditions)
Michelin	29.5R25 XMINE	L5	2,901	10'10"	2,17"	Stone, Scrap, Recycling (firm ground conditions)

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

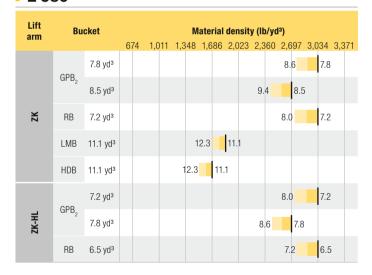
Before operating the vehicle with tire foam filling or tire protection chains, please discuss this with the Liebherr-Werk Bischofshofen GmbH.

Bucket Selection

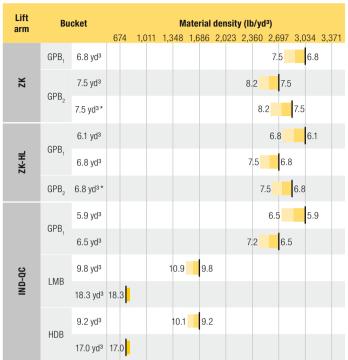
L 566



L 586



L 580



^{*} Toothed buckets, hydraulic quick coupler and additional hydraulic circuits are not approved for rehandling application.

Bucket Selection

Bucket Filling Factor



Lift Arm

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

Bucket

_	
GPB ₁	General purpose bucket (Excavation bucket)
GPB ₂	General purpose bucket (Rehandling bucket)
RB	Rock bucket
LMB	Light material bucket
HDB	High-dump bucket

Bulk Material Densities and Bucket Filling Factors

		lb/yd³	%
Gravel	moist	3,203	105
	dry	2,697	105
	crushed stone	2,528	100
Sand	dry	2,528	105
	wet	3,203	110
Gravel and	dry	2,865	105
Sand	wet	3,371	100
Sand/Clay		2,697	110
Clay	natural	2,697	110
	dry	2,360	110
Clay/Gravel	dry	2,360	110
	wet	2,697	100

		lb/yd³	%
Earth	dry	2,191	115
	wet excavated	2,697	110
Topsoil		1,854	110
Basalt		3,287	100
Granite		3,034	95
Sandstone		2,697	100
Slate		2,950	100
Bauxite		2,360	100
Limestone		2,697	100
Gypsum	broken	3,034	100
Coke		843	110
Slag	broken	3,034	100

		lb/yd ³	%
Glass waste	broken	2,360	100
	solid	1,686	100
Compost	dry	1,348	105
	wet	1,686	110
Wood chips/s	Saw dust	843	110
Paper	shredded/loose	1,011	110
	recovered paper/cardboard	1,686	110
Coal	heavy material density	2,023	110
	light material density	1,517	110
Waste	domestic waste	843	100
	bulky waste	1,686	100

Tipping Load



What is tipping load?

Load at center 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 center 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.

Tipping load, articulated Pay load =

Pay load (lb) Bucket capacity = Specific bulk weight of material (lb/yd3)

The Liebherr Wheel Loaders

Wheel Loader					
		L 526	L 538	L 546	L 550 XPower®
Tipping load	lb	16,975	20,945	23,150	26,895
Bucket capacity	yd³	2.7	3.4	3.7	4.2
Operating weight	lb	24,800	29,760	31,305	39,020
Engine output	kW/HP(I)	103/138	114/153	123/165	140/188
Wheel Loader					
		L 556 XPower®	L 566 XPower®	L 580 XPower®	L 586 XPower®
Tipping load	lb	30,205	35,055	42,330	47,620
Bucket capacity	yd³	4.7	5.5	6.8	7.8
Operating weight	lb	40,565	52,690	60,955	71,870
Engine output	kW/HP(I)	165/221	200/268	230/308	260/349

03.16

Equipment

Basic Wheel Loader	550	556	566	580	586
Crash protection, rear	+	+	+	+	+
Automatic central lubrication system	+	+	+	+	•
Battery main switch (lockable)	•	•	•	•	•
Electronic tractive force regulation for difficult ground					
conditions	•	•	•	•	•
Ride control	•	•	•	•	•
Parking brake	•	•	•	•	•
Particle protection for radiator	+	+	+	+	+
Speed limitor 12.4 mph as a factory preset	+	+	+	+	+
Speed limitor V _{max} adjustable key on the control unit	•	•	•	•	•
DEF tank	•	•	•	•	•
Pre-heat system for cold starting	•	•	•	•	•
Rear license panel light	+	+	+	+	+
Combined inching-braking system	•	•	•	•	•
Mudguard extension	+	+	+	+	+
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	•	•	•	•	•
Liebherr biodegredable hydraulic oil	+	+	+	+	+
Liebherr-SCR technology	•	•	•	•	•
Liebherr-SCR technology incl. diesel particle filter	+	+	+	+	+
Reversible fan drive	•	•	•	•	•
Widening for mudguard	+	+	+	+	+
Widening for mudguard rear (in steel design)					
and bigger front mudguards	_	_	_	_	+
Headlights halogen (double design on engine hood)	•	•	•	•	•
Headlights LED (double design on engine hood)	+	+	+	+	+
Guard for headlights	+	+	+	+	+
Lockable doors and engine hood	•	•	•	•	•
Tunnel package	+	+	+	_	-
Chassis protection rear	+	+	+	+	+
Chassis protection front	+	+	+	+	+
Air pre-cleaner TOP AIR	+	+	+	+	+
Toolbox with toolkit	•	•	•	•	•
Weigher unit Liebherr (integrated in display unit)	+	+	+	+	+
Towing hitch	•	•	•	•	•
Additional handrails left	•	•	•	•	•
Additional handrails right	•	•	•	•	•
Additional heating	+	+	+	+	+

F Equipment	220	226	299	280	586
Working hydraulics lockout	•	•	•	•	•
Automatic hoist kick-out and lowering shut-down					
programmable	•	•	•	•	•
Automatic bucket return programmable	•	•	•	•	•
Fork carrier and pallet forks	+	+	+	+	+
High-dump bucket	+	+	+	+	+
Log grapple	+	+	+	+	_
High Lift arms	+	+	+	+	+
Industrial lift arm	+	+	+	+	_
Lift arm Z-bar linkage	•	•	•	•	•
Hydraulic quick coupler	+	+	+	+	+
Adjustable tipping speed	•	•	•	•	•
Tilt cylinder protection	+	+	+	+	+
Loading buckets incl. a range of cutting tools	+	+	+	+	+
Light material bucket	+	+	+	+	+
Load holding valves	+	+	+	+	_
Float position	•	•	•	•	•
Pre-fitted for use with work cage	+	+	+	+	_
3rd electro-hydraulic, proportional control circuit,					
adjustable delivery flow	+	+	+	+	+
3rd electro-hydraulic control circuit for continuous sweeper					
and snow blower operation	+	+	+	+	+
4th electro-hydraulic, proportional control circuit,					
adjustable delivery flow	+	+	+	+	-
4th electro-hydraulic control circuit for continuous sweeper					
and snow blower operation	+	+	+	+	_

Operator's Cab	220	226	266	280	586
Access assistance to facilitate cleaning windscreen	•	•	•	•	•
Exterior mirror, electrical adjustable, with heating	+	+	+	+	+
Exterior mirror, tiltable and adjustable	•	•	•	•	•
Operating hour meter (integrated in display unit)	•	•	•	•	•
Operating hour meter (mechanic)	+	+	+	+	+
Electronical theft protection with/without driver					
identification	+	+	+	+	+
Storage box left	•	•	•	•	•
Operator seat "Comfort" - air-suspension with seat heating	•	•	•	•	•
Operator seat "Premium" – active air-suspension					
with seat air-condition, seat heating and headrest	+	+	+	+	+
Particle filter F7	•	•	•	•	•
Fire extinguisher in cab 4 lb	•	•	•	•	•
Fire extinguisher in cab 13 lb	+	+	+	+	+
Audible horn control integrated into Liebherr control lever	+	+	+	+	+
Interior mirror right	•	•	•	•	•
Interior mirror left and right	+	+	+	+	+
Joystick steering	+	+	+	+	+
Floor mat	•	•	•	•	•
Clothes hooks (2 pieces)	•	•	•	•	•
Air conditioning system	•	•	•	•	•
Automatic air conditioning system	+	+	+	+	+
Cool box	+	+	+	+	+
3 way continuously adjustable steering column					
(height-adjustable, tilting, folding)	•	•	•	•	•
Steering stabilisation	•	•	•	•	•
LiDAT total use 1 year (for free)	•	•	•	•	•
Liebherr control lever with mini-joystick for 3rd and 4th					
electro-hydraulic proportional control circuit moving					
with operator's seat	+	+	+	+	+
Liebherr control lever moving with operator's seat					
(incl. kick down, travel direction)	•	•	•	•	•
Liebherr multi-lever control system moving with					
operator's seat (incl. kick down, travel direction)	+	+	+	+	+
Liebherr key (Remote Key)	+	+	+	+	+
Premiumdisplay (Touchscreen), with height adjustment and					
tilting function	•	•	•	•	•
Preparation for radio installation	•	•	•	•	•
Radio Liebherr "Comfort" (SD/USB/AUX/BLUETOOTH/					
handsfree set)	+	+	+	+	+
Radio Liebherr "Standard" (SD/USB/AUX)	+	+	+	+	+

Operator's Cab	220	226	266	280	286
Amber beacon swiveling/fixed	+	+	+	+	+
Soundproof ROPS/FOPS cab	•	•	•	•	•
Bucket return with button integrated into Liebherr					
control lever	+	+	+	+	+
Wipe and wash system	•	•	•	•	•
Windscreen wiper single-sweep function with button					
integrated into the Liebherr control lever	+	+	+	+	+
Headlights rear, single design, halogen/LED	+	+	+	+	+
Headlights rear, double design, LED	+	+	+	+	+
Headlights front, double design, halogen	•	•	•	•	•
Headlights front, double design, LED	+	+	+	+	+
Sliding window left/right	•	•	•	•	•
Windscreen guard	+	+	+	+	+
Sunblind rear	+	+	+	+	+
Sunblind front	•	•	•	•	•
Power socket 12 V	•	•	•	•	•
First aid kit	+	+	+	+	+
Preparation for protective ventilation and dust filtrating device	+	+	+	+	+
Wide angle mirror	+	+	+	+	+
Cigarette lighter	•	•	•	•	•
2-in-1 steering – changeable	+	+	+	+	-

Safety	220	226	299	280	286
Country-specific versions	+	+	+	+	+
Emergency steering system	•	•	•	•	•
Reversing obstruction detector	+	+	+	+	+
Back-up alarm audible	•	•	•	•	•
Back-up alarm visual	+	+	+	+	+
Rear space monitoring with camera (integrated in display unit)	•	•	•	•	•

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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 and mining trucks.

Worldwide and Independent

Hans Liebherr founded the Liebherr family company in 1949. Since that time, the enterprise has steadily grown to a group of more than 130 companies with over 41,000 employees located on all continents. The corporate headquarters of the Group is Liebherr-International AG in Bulle, Switzerland. The Liebherr family is the sole owner of the company.

www.liebherr.us