
Horticultural and landscape construction

LIEBHERR

Earthmoving machines



Liebherr earthmoving machines for horticultural and landscape construction

For machines used in horticultural and landscape construction, the bottom line is ensuring high mobility and power output under tight maneuvering conditions. Earthmoving machines are therefore ideally compact and agile and also distinguish themselves by versatile and quickly exchangeable attachments, limited load on the bearing surface as well as low-emission drive units. The compact machines of the

Liebherr range of earthmoving machinery are perfect for such special uses.

- Hydraulic excavators
- Wheel loaders and telescopic wheel loader
- Crawler tractors and crawler loaders
- Telescopic handlers





Hydraulic excavators



Performance

Strong, precise and agile: Liebherr hydraulic excavators are true gardening and landscaping masters. A powerful and at the same time extremely precise hydraulic system makes them unbeatable for a very wide range of jobs. With their balanced machine design ensuring optimum visibility and manoeuvrability, the excavators shine like nimble weasels even on confined construction sites. And various machine configurations, a range of quick-change systems and attachments can adapt the Liebherr gardeners even more flexibly and precisely to your daily requirements.

Economy

With our hydraulic excavators you are investing in a successful future! The 4-cylinder construction machinery engines meet the strict exhaust emission regulations of Stage V/Tier 4 Final and thus contribute to the protection of the environment – as the emission of diesel particles and nitrogen oxides is reduced almost to zero thanks to innovative exhaust systems with diesel oxidation catalytic converter and particulate filter. In addition, the robust inline engines stand out here thanks to their high efficiency levels, while they also exploit their usable speed range with great efficiency. The consequence: Maximum economic efficiency thanks to reduced fuel consumption with optimum performance.

Reliability

Liebherr has decades of expertise when it comes to the development, design and manufacture of key components such as structural steelwork, electronic components, hydraulic cylinders, slewing ring, and tilting drive. This unrivaled production knowhow not only ensures reliability and durability, but also allows the components to be ideally matched to each other. This means that our hydraulic excavators always meet the high Liebherr quality standards – under the most diverse and toughest operating conditions.

Comfort

Liebherr cabs offer plenty of space and the best conditions for a productive and comfortable working environment. Large windows with narrow bars provide all-round visibility, while the joysticks and all gear levers are also within easy reach. In this way, they fit perfectly into the ergonomic concept of the cab. In addition, different machine settings can be made quickly and easily via the touchscreen display. The integrated automatic air conditioning system creates a pleasant air exchange for focussed work.

Maintainability

Liebherr hydraulic excavators are designed to be particularly service-oriented, thus ensuring short maintenance times and minimal maintenance costs. Their large service doors open wide to allow easy access to all daily maintenance points from ground level. Liebherr's own hydraulic oils also extend the replacement intervals (from 6,000 operating hours). Here, an oil analysis determines when the oil should be changed (every 1,000 operating hours or after one year). Liebherr's sales and service partners will always be happy to assist you.

Overview of hydraulic excavators

Various configurations to ensure flexibility and efficiency

- Extended range of applications thanks to short tail swing radius
- Optional four wheel steering or crab steering increase manoeuvrability
- Swivelling adjustable boom for extra flexibility
- Fully automatic quick coupler system Solidlink
- Wide range of attachments and precise matching of bucket shape and tooth design for a wide variety of applications



Robust undercarriage ensures safety and stability

- Optimum weight distribution for optimum stability, more lifting power, and a high level of driving comfort
- Integrated travel drive in robust undercarriage
- Oscillating axle ensures stability in all positions
- Alignment of the excavator on uneven terrain with split blade
- Maintenance-free dozer blade
- Piston rod guard for support cylinder



Spacious cab for extra comfort

- Plenty of space in the cab for all-day comfort
- All-round visibility thanks to large window areas
- Two-part, retractable windscreen
- Extensively equipped operator's seat
- Large touchscreen display with intuitive menu navigation
- Automatic air conditioning system ensures continuous air exchange

Balanced design for maximum power and precision

- Powerful and robust construction machinery engine for continuous operation under full load
- Perfectly tuned hydraulic system enables outstanding precision control

Sophisticated maintenance concept for maximum productivity

- Service-focused machine design for guaranteed short maintenance times
- Fully automatic central lubrication system for uppercarriage, slew ring, and attachment
- Liebherr data transmission system (LiDAT) enables efficient fleet management and control
- Competent advice from qualified and experienced professionals
- 24-hour delivery readiness

Examples of use and technical data

		A 910 Compact Litronic	A 912 Compact Litronic	A 913 Compact Litronic	A 914 Compact Litronic
Engine output	kW/HP	85/116	90/122	95/129	105/143
Operating weight	t	12.1–13.1	13.0–14.2	13.9–16.0	15.2–17.5
Bucket capacity	m ³	0.15–0.48	0.15–0.48	0.17–0.87	0.17–0.87
Grapple capacity	m ³	0.10–0.27	0.10–0.27	0.10–0.34	0.17–0.80
Tail radius	mm	1,675	1,675	1,700	1,750

		R 914 Compact Litronic	A 914 Litronic	A 916 Compact Litronic	A 916 Litronic
Engine output	kW/HP	90/122	105/143	110/150	115/156
Operating weight	t	14.9–17.8	14.9–17.6	16.0–18.3	16.4–18.7
Bucket capacity	m ³	0.32–0.80	0.17–0.87	0.17–0.87	0.17–1.05
Grapple capacity	m ³	0.17–0.40	0.17–0.80	0.17–0.80	0.17–0.80
Tail radius	mm	1,550	-	1,800	-

		A 918 Compact Litronic	R 918 Litronic	R 920 Compact Litronic
Engine output	kW/HP	115/156	120/163	110/150
Operating weight	t	17.5–19.6	19.5–22.6	18.7–21.9
Bucket capacity	m ³	0.17–1.05	0.55–1.15	0.30–0.95
Grapple capacity	m ³	0.17–0.80	0.34–0.60	0.34–0.60
Tail radius	mm	1,850	-	1,850





Wheel loaders and telescopic wheel loader



Performance

The high-performance Liebherr wheel loaders L 504 Compact – L 518 Stereo and L 509 Tele impress in horticultural and landscape construction due to their versatile and all-purpose use. The unique steering system of the Stereoloaders and the Telescopic wheel loader and the compact design of the Compact Loaders make the wheel loaders extremely agile and versatile. This ensures maximum manoeuvrability and, at the same time, maximum stability in all site situations even in confined spaces. This guarantees precise and safe working and improved efficiency.

Economy

The compact design and low operating weight of the Compact Loaders, Stereoloaders and the Telescopic wheel loader guarantee the safe transportation of high payloads and thus an excellent handling capacity. Thanks to their broad range of quick interchangeable attachments, the machines can be optimally configured for operations in horticultural and landscape construction. The hydraulic quick hitch allows quick and efficient attachment change-over. The specially designed telescopic lift arm enables high manipulation heights and long reach. The L 509 Tele is therefore particularly suitable for loading trucks and containers as well as for lifting and stacking loading material. This widens the machine's areas of use and therefore increases its productivity.

Reliability

The use of ideally matched components and the stable machine design make the machines especially efficient and guarantee a long life. Reliable operations are possible in even the toughest conditions. The customer therefore has the machine power available when it is urgently required.

Comfort

The extremely comfortable cab allows the operator to concentrate on accurate operation without fatigue, which once again means more efficiency and productivity. Well laid out and ergonomically arranged controls guarantee simple handling. The Liebherr control lever allows precise and sensitive control of the machine. The generous glass surfaces of the cab offer exceptional all-round visibility. Moreover, the design of the engine hood which has been optimised for viewing as well as the optional rear area monitoring camera for L 507 Stereo – L 518 Stereo and L 509 Tele ensure ideal visibility. The oscillating centre pivot compensates for unevenness on the ground and provides excellent stability and maximum ride comfort. Even in constricted spaces, maximum safety for people, the machine and the load is guaranteed, while at the same time increasing productivity.

Maintainability

The most important points for daily maintenance can be reached safely and conveniently from the ground. The entire engine compartment is accessible via just one enclosure. Quick and safe checks save time and money.

Wheel loaders L 504 Compact – L 508 Compact overview

Productive and safe working

- Roomy, soundproof ROPS / FOPS cab
- Generous glass surfaces of the operator's cab
- Additional working lights, front / rear *
- Back-up alarm acoustical / visual *

Highest level of performance

- Z-bar linkage with parallel guidance in fork mode
- Hydraulic quick hitch
- 1st hydraulic additional function *
- Comprehensive range of special equipment for horticultural and landscape construction *
- Compact and low design
- Clearance height below 2.5 meters for L 504 and L 506
- Mounting panel at rear, for equipment with 3-point attachment *
- Trailer coupling *

* optionally available





Maximum operator comfort for greater productivity

- Automatic central lubrication system *
- Liebherr control lever
- Air conditioning system *
- Oscillating centre pivot
- Ride control *
- Broad access ladder with anti-slip steps

Short service times for greater productivity

- LiDAT - Liebherr Data Transfer System *

Robustness and quality for durable machines

- Water-cooled diesel engine
- Special tyres for horticultural and landscape construction *

Wheel loaders L 507 Stereo – L 518 Stereo overview

Productive and safe working

- Roomy, soundproof ROPS / FOPS cab
- Generous glass surfaces of the operator's cab
- 180° fold-out window right
- Additional working lights, front / rear *
- Back-up alarm acoustical / visual *
- Rear space monitoring with camera *

Highest level of performance

- Powerful Z-bar linkage with optimised parallel guidance in fork mode
- Hydraulic quick hitch (L 507–L 509 standard / L 514–L 518 optional)
- Hydraulic quick hitch Solidlink (L 507–L 509 *)
- 1st and 2nd electro-hydraulic, proportional additional function *
- High-Flow hydraulic (L 507–L 509 *)
- Speeder version *
- Comprehensive range of special equipment for horticultural and landscape construction *
- Mounting panel at rear, for equipment with 3-point attachment *
- Trailer coupling *

* optionally available





Maximum operator comfort for greater productivity

- Automatic central lubrication system *
- Liebherr control lever moving with operator's seat
- Air conditioning system *
- Oscillating centre pivot with damping elements
- Stereo steering
- Ride control *
- Broad access ladder with anti-slip steps and sturdy handrails

Robustness and quality for durable machines

- Water-cooled diesel engine and controlled cooling
- Special tyres for horticultural and landscape construction *

Short service times for greater productivity

- LiDAT – Liebherr Data Transfer System *
- Radiator easy to maintain and controlled cooling
- Reversible fan drive *
- Air pre-cleaner *

Telescopic wheel loader L 509 Tele overview



Highest level of performance

- Telescopic lift arm with powerful Z-bar linkage
- Optimised parallel guidance in fork mode throughout the entire lifting range
- Intelligent overload warning system
- Hydraulic quick hitch
- 1st and 2nd electro-hydraulic, proportional additional function *
- High-Flow hydraulic *
- Speeder (38 km/h)
- Comprehensive range of special equipment for horticultural and landscape construction *
- Mounting panel at rear, for equipment with 3-point attachment *
- Trailer coupling *

Maximum operator comfort for greater productivity

- Automatic central lubrication system *
- Liebherr control lever moving with operator's seat
- Air conditioning system *
- Oscillating centre pivot with damping elements
- Stereo steering
- Ride control *
- Stroke limit damping *
- Broad access ladder with anti-slip steps and sturdy handrails
- Option package "Tele comfort operation":
 - Automatic bucket return programmable
 - Automatic lift arm position and lowering programmable
 - Visualisation of the equipment position



Productive and safe working

- Roomy, soundproof ROPS / FOPS cab
- Generous glass surfaces of the operator's cab
- 180° fold-out window right
- Roof window
- Additional working lights, front / rear *
- Back-up alarm acoustical / visual *
- Rear space monitoring with camera *

Short service times for greater productivity

- LiDAT – Liebherr Data Transfer System *
- Radiator easy to maintain and controlled cooling
- Reversible fan drive *
- Air pre-cleaner *

Robustness and quality for durable machines

- Water-cooled diesel engine and controlled cooling
- Special tyres for horticultural and landscape construction *

* optionally available

Examples of use and technical data

		L 504 Compact	L 506 Compact	L 507 Stereo	L 508 Compact
Tipping load	kg	2,700–3,000	2,950–3,500	3,240–3,750	3,370–3,900
Bucket capacity	m ³	0.7	0.7–0.8	0.8–1.6	0.8–1.0
Operating weight	kg	4,600–4,880	4,920–5,250	5,550–5,835	5,700–5,890
Engine output	kW/HP	34/46	48/64	50/68	48/64
Emission stage	Stage	V	V	V	V

		L 509 Stereo	L 514 Stereo	L 518 Stereo
Tipping load	kg	3,400–4,430	3,770–5,750	3,870–6,550
Bucket capacity	m ³	0.9–2.0	1.3–3.5	1.4–4.0
Operating weight	kg	6,390–6,875	8,860–9,985	9,190–10,445
Engine output	kW/HP	54/73	76/103	76/103
Emission stage	Stage	V	V	V

		L 509 Tele
Tipping load	kg	3,600–3,800
Bucket capacity	m ³	0.9–2.0
Operating weight	kg	6,800–7,150
Max, payload for fork carrier and fork	kg	2,300 ¹⁾
Max, lifting height for fork carrier and fork	mm	4,800
Engine output	kW/HP	54/73
Emission stage	Stage	V

1) Recommended payload for smooth surfaces = 80% of tipping load, articulated – according to 474-3





Crawler tractors and crawler loaders



Performance

The hydrostatic drive on Liebherr's crawler loaders always applies full power to both chains with no interruptions. That gives the machines traction on any surface and on any gradient as well as maximum manoeuvrability, even turning at a standstill. Both the travel drive and the bucket or blade can be controlled sensitively using the joystick. Liebherr's new driver assistance systems increase both speed and quality of grading performance on three levels – from free terrain design with Free Grade, to 2D surface creation with Definition Grade, to automated 3D modelling with 3D Grade.

Reliability

Developed for the very harshest conditions, Liebherr diesel engines deliver maximum reliability and service life with their robust design and low rated speed. The main and roller frames have a time-tested box design. This delivers high rigidity and excellent absorption of the forces. Components exposed to particularly high stresses are made of cast steel.

Comfort

The generously sized cab provides an ideal environment for relaxed, safe, productive working. All the instruments and control elements have a clear, ergonomic design and are within easy reach. A clear view of the equipment and perfect all-round visibility enable the operator to concentrate on his work at all times. With a series of individual settings, he can tailor the machines perfectly to how he works. Thanks to the effective insulation and the modern, quiet diesel engine, the sound values in Liebherr crawler loaders are well below the statutory specifications. The pressurised cab keeps the operator's workplace free of dust from the environment.

Economy

The Liebherr LR 626 and LR 636 crawler loaders are universal machines for garden and landscape work. Fitted with a standard or 4-in-1 bottom dump bucket, they can be used to loosen, clear, excavate, grade and load soil as well as for pushing and grading. The load-independent flow distribution of generation 6 allows even more harmonious simultaneous movements of the front equipment, thus reducing the time required for work cycles. Particularly on soil with a low load capacity, crawler loaders achieve very high handling capacities with minimum ground pressure. For producing precise grading or modelling three-dimensional surfaces, crawler loaders can install material particularly quickly, with centimetre precision and therefore at low cost. The extra long undercarriages and the perfectly coordinated centre of gravity deliver outstanding grading properties. That makes the Liebherr PR 716 and PR 726 crawler loaders the ideal machines for the construction of sports and leisure facilities. The new standard eco mode for lightweight and medium jobs enables the fuel consumption of both machine models to be reduced even further.

Maintainability

All the points which the operator inspects during his daily routine checks are located on one side of the engine with easy access. The standard hydraulic tipping cab also provides easy access to the components. This means that service work can be completed quickly and efficiently. Competent advice is a matter of course at Liebherr. Experienced expert staff can provide decision-making tools to suit your specific requirements – practical sales advice, service agreements, low-cost repair alternatives, genuine part management as well as remote data transfer for job planning and fleet management.

		LR 626 G8	LR 636 G8	PR 716 G8	PR 726 G8
Engine output	kW/HP	110/150	135/184	97/132	125/170
Operating weight	t	16.5–19.4	21.7–23.0	13.3–15.8	17.5–20.8
Bucket capacity, Blade capacity	m ³	1.50–1.80	1.90–4.60	2.92–3.30	3.33–3.87

Telescopic handlers



Performance

The tried-and-tested hydrostatic travel drive with infinitely variable acceleration without shifting gear and good manoeuvrability guarantees quick work processes even in limited spaces. The construction machine can be used universally and is solid from the ground up. It is designed for maximum performance in various applications. High load capacities, intuitive operation and high performance components allow the driver to complete his work quickly and reliably.

Reliability

Robust and reliable: as characterised by Liebherr telescopic handlers. Advanced technology with high-quality materials and build quality guarantee maximum availability. A high level of utilisation and value is guaranteed in the long term.

Comfort

The cab of the telescopic handler from Liebherr is an ideal workplace. It provides an excellent all-around view, has a spacious interior, provides a safe working environment, and its ergonomic controls are ideal for relaxed and productive operation.

Economy

The Liebherr telescopic handlers are all-rounders that will complement your existing machine fleet and further increase its efficiency. Many different optional attachments allow universal use and increased utilisation of the machines. Top performance, low fuel consumption and minimum maintenance guarantee economy throughout the service life of the machine.

Maintainability

At Liebherr, superior service is more than a promise, it is a guarantee to every customer. Several production facilities and an extensive service network for construction equipment means close proximity, efficient structures, and fast service reaction times.

		T 35-6 or T 35-6s	T 32-7 or T 32-7s	T 36-7 or T 36-7s
Emission stage	Stage	V or IIIA	V or IIIA	V or IIIA
Engine output	kW/HP	100/136 *	100/136 *	100/136 *
Max. lift capacity	kg	3,500	3,200	3,600
Max. lift height	m	6.13	6.93	6.93
Operating weight	kg	7,320	7,280	7,310

		T 41-7 or T 41-7s	T 33-10 or T 33-10s
Emission stage	Stage	V or IIIA	V or IIIA
Engine output	kW/HP	100/136 *	100/136 *
Max. lift capacity	kg	4,100	3,300
Max. lift height	m	6.93	9.75
Operating weight	kg	7,460	8,050

*Standard for s-models

Telescopic handlers overview

Adapted attachment tools and quick change systems for maximum productivity

- Four different quick change systems are available to choose from
- Extensive range of attachment tools



Powerful hydraulic system and wide range of options

- The s telescopic loaders feature a load sensing pump with a LUDV control block. This not only means significantly faster work cycles, but also simultaneous movements
- A hydraulic working circuit is fitted as standard on all models
- An additional working circuit, including socket, is available as an option
- A high flow line is also available for tools with a very high oil requirement
- Automatic reversible fan for blowing out the radiator / engine compartment automatically
- Radiator guard with fine mesh great to prevent the penetration of fine wood chips into the radiator chamber





Comfort and good visibility are essential for a telescopic loader

- The multi-adjustable, suspended operator's seat with backrest extension can be adjusted to suit the individual driver
- The steering column swivels by foot release as standard into the appropriate position. It can also be adjusted in height as an option
- The innovative safety design of the roof window provides a perfect view of the load whilst also providing safety for the operator
- The display unit is at the front right, perfectly in the operator's field of vision

Infinitely variable travel drive and excellent manoeuvrability

- The infinite variation of the speed means the vehicle can be driven without changing gear - absolutely smoothly
- The engine speed and maximum travel speed can be adjusted with ease using the optional manual control package.

As diverse as landscapes and gardens

Our services are perfect for the challenges you face every day



Saving time – for experts who face the challenges themselves

Hand in hand to find the perfect solution. Do you want to maintain and service your machines yourself? Do you want to order the spare part you require quickly and flexibly regardless of your location and the time and be certain that you have selected the correct part?

The documentation available online and the spare parts shop in MyLiebherr enable you to access all the information you require with just a few clicks. Use our sophisticated logistics for fast deliveries of the parts you require, all in genuine quality of course. That will enable you to work efficiently. And if you're not sure what to do next, our experts are just a phone call away.



For further information, services and contact details, go to

Transparency – your payment professionals have full details of availability, costs and much more at all times

Modular maintenance packages and Reman components to suit your company and budget. Are figures and the information they convey your strong point? Do you want to keep your current investments under review at all times and ideally be able to calculate in advance how much using the machine will cost and know all about its availability values?

Liebherr's modular CarePacks are tailored to your needs to show you in advance precisely what costs you can expect to ensure that your machine will continue to perform at its best in the future. For older machines, our Reman range delivers a smart, low cost solution for you.

Reliability and support – for decision-makers and advance planning

You are not just interested in short term success, you want to be successful in the long term. Do you regard success not just as turnover, but also satisfied customers and helping to protect resources?

Our dense service network delivers consistency and a basis for planning, today and in the future.

If necessary, our experts are available for you 24/7. Our genuine parts and service experts able you to ensure that your machines retain their value. Our Reman range and a range of lubricants enable you to be successful at low cost whilst also protecting valuable resources.

Our services for you at a glance:



A strong partner

The safe feeling of having a strong partner by your side. Our dense service network means that our service experts are always close at hand. It is important to us that you always have a personal contact because when you need assistance, it's good to know that it's always available.

Reman range

The same performance and quality as a new part whilst reducing costs – that is what the replacement parts in our Reman range deliver. A wide range of components is available every day. An ideal solution, particularly for older machines, and at the same time you are helping to protect valuable resources by reusing parts.



MyLiebherr Portal

In the workshop, on the road or even at the weekend at home, the MyLiebherr portal provides you with the latest machine documentation and spare parts catalogue whenever and wherever you need them. Order the items conveniently and easily using the online shop.

Lubricants

When designing landscapes and gardens, one objective is to protect nature. Our portfolio of lubricants includes a series of products which enable you to actively help protect resources, including oils with longer change intervals or which are not harmful to the environment. One side-effect of these products is that they can also protect your wallet.

CarePacks

Our modular CarePacks can provide you with tailored packages of services at a fixed charge. That leaves you to concentrate on your work.

The Liebherr Group



Global and independent: more than 70 years of success

Liebherr was founded in 1949 when, with the development of the world's first mobile tower crane, Hans Liebherr laid the foundations for a family business now employing nearly 51,000 people and comprising over 140 companies across every continent.

The parent company is Liebherr-International AG in Bulle, Switzerland, whose associates are exclusively members of the Liebherr family.

Leaders and pioneers

Liebherr is a pioneer and its forward-looking approach has seen it make important contributions to technology history over a wide variety of industries. Employees throughout the world continue to share the courage of the founder, sharing a passion to produce innovative products and a determination to provide world-leading equipment and machinery.

Diversified portfolio

The company is one of the world's biggest construction equipment manufacturers and provides high-quality, user-oriented products and services to sectors including: earthmoving, material handling, deep foundations, mining, mobile and crawler cranes, tower cranes, concrete production and distribution, maritime cranes, aerospace and transportation, gear technology and automation, refrigeration and freezing, components and hotels.

Customised care

Liebherr solutions are characterised by precision, implementation and longevity. The company is committed to technological excellence and to providing customers with solutions that match their needs exactly. That customer focus does not end with delivery of a product but continues through a comprehensive range of back-up and support services.

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