

Press release

New Liebherr wheel loaders at Conexpo 2023

- New mid-size wheel loaders celebrate premiere in North America at Conexpo 2023
- Increased performance due to new lift arms, more engine power and optimized travel drive
- XPower® large wheel loaders with power-split travel drive also presented at the Liebherr booth
- Liebherr offers intelligent assistance systems for wheel loaders to increase safety and comfort

Liebherr presents for the first time its new mid-size wheel loaders as well as large wheel loaders from its XPower® series at Conexpo 2023. The new mid-size wheel loaders feature a significant increase in performance compared to the previous models. As a result, these new wheel loaders are prepared for demanding operations in various industries, such as extraction, recycling or the timber industry. In addition, Liebherr offers several intelligent assistance systems for its mid-size and large XPower® wheel loaders. These include, for example, active personnel detection with brake assistant or the revised camera system Skyview 360°.

Las Vegas (USA), March 14, 2023 – The new generation of mid-size wheel loaders consists of three models with bucket sizes between 2.9 and 3.9 yd³ (2.2 and 3.0 m³) in the standard version. They are characterized by a significant performance boost. The new L 526, for example, offers 20% more engine power and over 20% higher breakout forces than its predecessor. The L 538 and L 546 models also feature performance increases in all areas: the optimized travel drive, for example, provides increased traction to ensure that the new wheel loaders accelerate dynamically in everyday work and can penetrate powerfully into all kinds of materials.

Mid-size wheel loaders: With new lift arms ready for industry-specific challenges

Liebherr reinforced the steel construction of the front section of the new wheel loaders in order to prepare the machines for handling heavy loads. Structural reinforcements on the new lift arms, for example, on the cross tube, increase robustness. The z-bar kinematics with electro-hydraulic pilot controls has larger hydraulic cylinders and more powerful working pumps. The combination of these innovations enables faster cycle times and dynamic and powerful work movements – even with heavy attachments such as high dump buckets in the recycling industry or log grapples in the timber industry.

With the increased performance providing a strong basis, Liebherr offers numerous equipment options for industry-specific challenges: High-lift arms, for example, are an extended variant of the regular lift arm, and ensure greater range and efficient loading processes at different heights. For wheel loader applications that regularly require different attachments, there is a view-optimized quick coupler available as well as “Solidlink”, a fully automatic quick-coupler system. This allows machine operators to change between mechanical and hydraulic attachments from the cab quickly and safely at the touch of a button. This saves time and reduces the risk of accidents.

XPower® large wheel loaders: With power-split travel drive at the forefront of fuel efficiency

Being ready for the challenges of different industries also applies to Liebherr's XPower® large wheel loaders. In the years since their debut, they have established themselves at the forefront of fuel efficiency and robustness. One main reason for that is their power-split travel drive, installed as standard in all Liebherr XPower® wheel loaders. It combines hydrostatic drive, which is ideal for material uptake and travelling over short distances, with mechanical drive, the advantages of which are seen over long distances and when driving on gradients. The combination of these two drive types ensures maximum efficiency and outstanding fuel savings in every application.

However, XPower® includes more than its unique power-split driveline: It is an integrated, innovative machine concept that sets benchmarks in terms of fuel efficiency, performance, robustness and comfort. For example, the spacious cab is adapted to the day-to-day needs of the operators. Thanks to the ergonomically interior design, intuitive control elements, practical storage compartments and individual adjustment options such as a height-adjustable display, it offers a comfortable work atmosphere. The extensive use of glass on the cab and the sophisticated design of the engine hood results in optimized visibility in all directions and increased safety.

Assistance systems for wheel loaders: Increasing safety and comfort in the daily work

Liebherr offers a comprehensive range of intelligent assistance systems for its mid-size and XPower® large wheel loaders, for example, the active personnel detection with brake assistant. This optional assistance system warns the machine operator of hazards in the rear area of the wheel loader. To reduce the number of unnecessary warning signals, the system uses sensors and artificial intelligence to distinguish between people and objects. As soon as the sensors detect a source of danger, the brake assistant automatically decelerates the wheel loader's speed. This shortens the stopping distance by multiple feet, reducing the frequency and intensity of potential accidents.

For applications that require numerous steering maneuvers, Liebherr offers a comfortable joystick steering system as alternative to the steering wheel. It allows the machine operator to comfortably steer using short movements of the ergonomic joystick. The position of the joystick always corresponds to the respective articulation angle of the wheel loader. Further solutions, such as the Skyview 360° camera system, the Liebherr weighing system or several systems that facilitate the use of the lift arm and the attachment, increase comfort and safety in the daily work with wheel loader.

About Liebherr USA, Co.

Liebherr USA, Co. based in Newport News, VA provides sales and service on behalf of ten different Liebherr product segments: earthmoving, material handling, mining, mobile and crawler cranes, tower cranes, concrete technology, deep foundation machines, maritime cranes; components, and refrigeration and freezing.

About Liebherr-Werk Bischofshofen GmbH

Liebherr-Werk Bischofshofen GmbH (Austria) develops, produces and sells wheel loaders of the Liebherr Group. The plant in the state of Salzburg has grown steadily over the decades thanks to sustainable innovations, creative solutions and high quality standards. The wheel loader range is constantly being expanded and includes different mid-size and large wheel loaders for the US market, which convince with their innovative drive concepts.

About the Liebherr Group

The Liebherr Group is a family-run technology company with a highly diversified product portfolio. The company is one of the largest construction equipment manufacturers in the world. It also provides high-quality and user-oriented products and services in a wide range of other areas. The Liebherr Group includes over 140 companies across all continents. In 2021, it employed more than 49,000 staff and achieved combined revenues of over 11.6 billion euros. Liebherr was founded in Kirchdorf an der Iller in Southern Germany in 1949. Since then, the employees have been pursuing the goal of achieving continuous technological innovation, and bringing industry-leading solutions to its customers.

Images



liebherr-new-mid-size-wheel-loaders-all-three-models.jpg

Powerful and versatile: The new mid-size wheel loader series from Liebherr features the L 526, L 538 and L 546 models.



liebherr-new-mid-size-wheel-loader-l546-recycling.jpg

High performance in use: A new Liebherr L 546 wheel loader loads bulky and heavy recycling materials.



liebherr-wheel-loader-l586-xpower.jpg

The L 586 XPower®, Liebherr's largest wheel loader, is showcased at Conexpo 2023.



liebherr-active-personnel-detection-brake-assistant-for-wheel-loaders.jpg

The active personnel detection with brake assistant automatically reduces the speed of the wheel loader as soon as the sensors detect a source of danger.

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