

Press release

Liebherr presents the new TA 230 Litronic articulated dump truck at Conexpo 2023

- **New generation of articulated dump trucks**
- **Specifically developed components, sophisticated technology, and modern design**
- **Top quality right down to the finest detail**
- **Introduced to the North American market in 2022 and display for the first time in North America at a large tradeshow**

Liebherr presents the TA 230 Litronic, a representative of the new generation of articulated dump trucks, at Conexpo 2023. The new TA 230 has been redeveloped based on comprehensive market research and customer feedback, featuring state-of-the-art technology. This model has been tested to the limits through extensive evaluation phases to meet the highest quality standards. **The result: An excellent product with a new design, which presents maximum quality and reliability. It offers optimum performance and efficiency and provides the utmost comfort.**

Las Vegas, NV (USA), March 14, 2023 – The extremely robust, powerful and all-terrain machine is primarily designed for heavy hauling and rugged off-road use. The articulated dump trucks are also a useful assistant for larger infrastructure projects. Due to their optimal structure gauge, they can also be used for special applications, such as tunnel construction.

New machine concept: Maximum performance in challenging off-road applications

The TA 230 Litronic is designed with customers in mind and developed for various off-road applications. A new design for the front-end providing a large, sloped angle creates maximum ground clearance for superior off-road performance. The powershift transmission of the TA 230 Litronic is positioned safely and compactly under the operator's cab, and the exhaust gas aftertreatment is safely installed behind the operator's cab in a space-saving manner.

The newly designed, solid articulated swivel joint creates excellent off-road capability allowing independent movements of the front and rear, thus ensuring maximum maneuverability. The strong swivel joint with tapered roller bearing is perfect for the sheer stresses that arise during use, withstands maximum loads and provides optimal force distribution. For maximum ground clearance, the TA230 has front axle suspension with A-rods and shock absorbers at the articulated swivel joint and separate and oscillating A-rods on the rear axles.

Powerful drive with maximum traction: Excellent driving performance and combined pulling force

A powerful 6-cylinder engine with a displacement of 732 in³ (12 litres) and 355 hp / 265 kW comes standard in the TA 230 Litronic and is Tier 4f compliant. A robust and powerful drivetrain with automatic 8-speed powershift transmission ensures optimal force distribution. With the actively controlled longitudinal differential locks, automatic traction control is also available for the TA 230 Litronic. As soon as a slip occurs at an axle, the torque is transferred to the axle or axles with traction. The Liebherr articulated truck offers excellent driving performance and pulling force, even on the most challenging terrain. Maximum safety is ensured due to excellent road adhesion.

Increased productivity: Faster movement of material due to optimized dump bed

The large and robust body of the TA 230 Litronic is designed for effective transport. Numerous improvements have been made for quick and efficient loading and unloading and safe transport of material. The front of the dump bed is straight, and the sides are optimized for wheel loaders to load with ease across the entire length. A standard, innovative weighing system shows the current payload during the loading process on the display in the operator's cab. A loading light on both sides at the back of the operator's cab shows the loading level outdoors.

To accelerate the release of the material during unloading, the inner edges of the body are tapered and optional body heating with exhaust gas management makes unloading easier in cooler temperatures. The two side tipping cylinders give the TA 230 high tipping pressure. The load can be tipped against the slope easily and quickly. During transportation the long chute at the end of the dump bed also ensures minimal material loss and thanks to the wide opening of the optional tailgate, tipping of large and bulky material is easily possible.

Newly developed operator's cab and lighting concept

The newly developed, spacious operator's cab of the TA 230 Litronic provides ideal conditions for comfortable and safe working. Thanks to the excellent panoramic windows without any obstructing struts, as well as the short, inclined hood, the machine operator always has an optimal view of the driving, working and articulating area of the machine. A touch display with integrated rear view camera also increases visibility in the rear area. In the soundproof cab, ergonomically arranged controls facilitate intuitive operation of the machine. Various trays and storage spaces greatly expand the spatial offerings. The offset steps, as well as the large operator's door, also make it easier and more convenient to safely access the operator's cab.

The new lighting concept with LED headlights ensures improved visibility and safety, both for the machine operator and everyone outside of the machine. For example, dipped-beam headlamps with integrated high beams illuminate the road and the extra powerful, optional LED headlights on the front of the can illuminate the entire working area. The lighting at the rear of the body as well as the light package at the mudguards light up the operating areas at night. The modern LED design light provides additional visibility of the Liebherr dump truck and thus increases safety on the construction site. The Liebherr dump truck also has an optional LED access light which provides extra safety when getting into the operator's cab.

Modern assist systems and adaptive steering system increase comfort and safety

The modern assist systems installed in the TA 230 Litronic support the machine operator, thus increasing safety and comfort during operation. Apart from a hill start assist, a speed assist is also available. With the hard stop function, the end position damping of the dump bed lifting cylinders can be activated or deactivated at the touch of a button. The dump bed lift is limited for work in a height-critical area with the aid of the height limit.

The speed-dependent steering provides additional driving comfort. The adaptive steering system continuously adapts the ratio of the steering movements to the current speed making it easier to operate at various speeds and fewer corrections are needed when turning sharp corners.

Maintenance-friendly machine design

With the intelligent machine check-up and a service-oriented machine design, the TA 230 Litronic offers an optimized maintenance concept. The Liebherr dump truck automatically performs daily checks due to sensor technology. The machine runs through an inspection catalogue at the start, where levels of engine oil, coolant and the central lubrication system, are checked. Any deviations are shown on the display in the operator's cab. As a result, the daily set-up times can be reduced, costs can be saved and the durability of the components can be extended.

The electrohydraulic opening hood, as well as an integrated folding ladder with non-slip steps provide easy, safe and clear access to the entire engine compartment. All relevant service points are visible and easily accessible. Maintenance work can be performed comfortably and safely from a platform. Refueling with fuel or urea solution is also done easily and safely from the ground.

Key performance data of the TA 230 Litronic in standard version

- Empty vehicle weight: 54,200 lb
- Payload: 61,800 lb
- Max. trough capacity with tailgate: 23.67 yd³
- Engine output (ISO 9249): 355 hp / 265 kW
- Emission stage Tier 4f
- Max. driving speed: 35.40 mph (forward) / 9.90 mph (reverse)

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 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-articulated-dump-truck-TA230-1.jpg

The new TA 230 Litronic articulated dump truck: A comprehensive package with specifically developed components, sophisticated technology and modern design.



liebherr-new-articulated-dump-truck-TA230-2.jpg

The new TA 230 Litronic is designed for challenging off-road applications and offers superb off-road capability, maximum traction and combined pulling force.



liebherr-new-articulated-dump-truck-TA230-3.jpg

Optimized dump bed shape: The front is straight, and the sides are low so that loading with a wheel loader, for example, is made easier across the entire length of the bed.



liebherr-new-articulated-dump-truck-TA230-4.jpg

The newly developed operator's cab provides large glass areas without any obstructing struts and an excellent view of the front, sides and articulating area.

Contact

Nadine Willburger
MarketingLiebherr-Hydraulikbagger GmbH
Phone: +49 7354 / 80 - 7332
E-Mail: nadine.willburger@liebherr.com

Ana Cabiedes

Head of Marketing
Liebherr USA, Co.
Phone: +1 757 240 4250
E-mail: ana.cabiedes@liebherr.com

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