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Press release

Less weight for heavy lifting: Liebherr LTM 1055-3.3 mobile crane takes mobility to a new level

- **Low axle loads and gross weights enable comprehensive long-term driving permits across the board on many markets**
- **High lifting capacities, especially for medium and large radii**
- **New driver assistance systems enhance safety on the road**

Liebherr presents the lightest 3-axle all-terrain crane on the market at Bauma. The LTM 1055-3.3 redefines mobility, because complex and restrictive driving permits are a thing of the past. Low axle loads and gross vehicle weights enable comprehensive long-term driving permits on a large number of markets worldwide. Despite the lightweight design of the new 55-tonne crane, it offers high lifting capacities with its 40-metre telescopic boom, especially for medium and large radii.

Ehingen (Donau) (Germany), 7 April 2025 - Several jobs a day, fast and flexible, without conditions and complex driving permits - the new LTM 1055-3.3 from Liebherr sets completely new standards in terms of mobility on public roads. With its low overall weight, the crane offers an optimum solution for regions and projects where road licences and restrictions play a role. Thanks to its innovative design, it is also much easier to use on roads and bridges with limited load-bearing capacities. The LTM 1055-3.3 combines high performance with maximum flexibility, enabling efficient operation, especially on markets with strict regulations on vehicle weights and axle loads.

Low axle loads and total weights

The predecessor to the new crane, the LTM 1055-3.2, was launched in 2001 as the LTM 1055/1 and has been continuously developed over the years. By integrating technical innovations, Liebherr has always kept it at the cutting edge of mobile crane technology. With over 2,300 units sold, it is one of the most successful mobile cranes in history.

The new LTM 1055.3.3 offers the best prerequisites for continuing the success story of the Liebherr 3-axle models and sets new standards in the process. With the modern Liebherr crane design, the new LICCON3 control system and a significantly lighter construction with the same boom length, it impresses across the board. Its lower axle loads ensure more flexibility and greater economy in daily use. This eliminates the need for costly authorisations, escort vehicles and restrictions on the permitted driving time on many markets.

While the LTM 1055-3.2 can carry up to 5.5 tonnes of ballast with a twelve-tonne axle load, the new crane can carry up to nine tonnes. That is around 80 per cent of the maximum ballast, which means that most crane jobs can be carried out without additional ballast transport.

By simply removing the counterweight - which the crane does itself - axle loads of below nine tonnes and a total weight of approx. 26 tonnes can be achieved. This means, for example, that a nationwide long-term driving permit is available in Germany without any restrictions or driving requirements. This also applies to operation with a trailer, on which the entire 11 tonnes of ballast can be transported and then lifted onto the crane on the construction site in just one lift.

High lifting capacity

The lightweight design of the LTM 1055-3.3 has the added advantage of high mobility and high lifting capacities, particularly for medium and large working radii: the low weight of the telescopic boom enables particularly high loads to be lifted in the working area, where the tilting of the crane is the limiting factor. In the ballast configuration for twelve tonnes of axle load, the LTM 1055-3.3 outperforms other 3-axle models from a radius of around eight metres. From a radius of 20 metres, it is even on a par with 4-axle mobile cranes.

The new LTM 1055-3.3 becomes even stronger with the standard variable support base VarioBase® Plus, especially in the working areas above the rear outriggers. The support base is wider here than at the front, as the rear sliding beams have a 2-stage design.

With its 40-metre telescopic boom and 15-metre double folding jib, the new Liebherr 55-tonne crane can reach lifting heights of up to 54 metres and radii of up to 46 metres. A 1.9-metre assembly jib has been newly developed, which can be angled to 50°. It is ideal for assembly work in industrial halls where space is limited.

Innovations for higher customer benefit

In addition to the new crane control system and the new design, the LTM 1055-3-3 also has other technical features that increase efficiency, comfort and safety. Road safety benefits from new intelligent assistance systems: the Blind Spot Information System (BSIS) and the Moving Off Information System (MOIS) support the driver and increase protection for road users such as pedestrians and cyclists.

In addition, the LTM 1055-3.3 will be prepared for the use of RemoteDrive as standard. A radio remote control with which the crane can be moved from the outside - an enormous advantage on confined construction sites. For even more comfort and reliability, new options are available that have already been tried and tested on other models. This includes a central lubrication system for the chassis and a digital tyre pressure indicator, which ensure optimum maintenance and availability of the crane.

About Liebherr-Werk Ehingen GmbH

Liebherr-Werk Ehingen GmbH is a leading manufacturer of mobile and crawler cranes. Its range of mobile cranes extends from 2-axle 35 tonne cranes to heavy duty cranes with a lifting capacity of 1200 tonnes and a 9-axle chassis. Its lattice boom cranes on mobile or crawler travel gear deliver lifting capacities of up to 3000 tonnes. With universal boom systems and extensive

additional equipment, they can be seen in action on construction sites throughout the world. The Ehingen site has a workforce of 5,000. An extensive, global service network guarantees the high availability of Liebherr mobile and crawler cranes. In 2024, the Liebherr plant in Ehingen recorded a turnover of 3.19 billion euros.

About the Liebherr Group

The Liebherr Group is a family-run technology company with a highly diversified product programme. The company is one of the largest construction equipment manufacturers in the world. It also provides high-quality, user-oriented products and services in a wide range of other areas. The Liebherr Group includes over 150 companies across all continents. In 2024, it employed more than 50,000 staff and achieved combined revenues of over 14 billion euros. Liebherr was founded by Hans Liebherr in 1949 in the southern German town of Kirchdorf an der Iller. Since then, the employees have been pursuing the goal of achieving continuous technological innovation, and bringing industry-leading solutions to its customers.

Caption

liebherr-ltm1055-3.3.jpg
The LTM 1055-3.3 excels at combining high mobility and performance.

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