

Liebherr strengthening its LTM 1750-9.1 mobile crane

- LTM 1750-9.1 becomes an 800-tonner
- Higher lifting capacities across almost the entire working range
- Greater capacity for wind power due to new luffing jib configuration
- Existing machines can be retrofitted easily

Ehingen/Donau (Germany), 7 November 2019 – The Liebherr LTM 1750-9.1 mobile crane is getting stronger. The use of refined static calculation methods means that lifting capacity values have been increased across almost the entire working range. The LTM 1750-9.1 is becoming an 800-tonner, with the type designation LTM 1750-9.1 being retained. Liebherr has compiled a new luffing jib configuration using existing lattice sections to provide additional capacity increases for wind power applications. Cranes already in use on the market can be retrofitted with the new system.

The wide-ranging experience that the design engineers and structural engineers have with thin-walled boom profiles has enabled the popular calculation models and approaches of the Finite Element method to be further refined. Supported by high-performance computers, the real load-bearing structure of the crane is simulated even better in the static calculation model. Liebherr has now transferred the latest findings and methods, which had already been applied in the LTM 1650-8.1 presented at Bauma, to the LTM 1750-9.1, which was brought to market in 2012. The most recent calculation standards have also been taken into consideration.

The result is that the lifting capacities of the 750-tonner are now higher than originally calculated across the vast majority of working ranges.

The new load capacity tables also contain a table with the nominal max. load capacity of 800 tonnes. Operators of the LTM 1750-9.1 now have the possibility to update the crane software with the new tables and, if necessary, to add any additional equipment required.

Thanks to the new luffing fly jib configuration, the LTM 1750-9.1 has moved into a higher load capacity class in the area of wind power applications. So, for example, more than 10 tonnes of additional load capacity can be generated for the mounting of wind turbines on 90 and 100 metre-high towers. The LTM 1750-9.1 is also much stronger in the area of heavy load lifting, such as the loading of transformers onto ships, with typical working radii of 12 to 16 metres. The gain in load capacity in such applications is in excess of seven tonnes.

Liebherr now additionally offers load capacity tables for three wind velocities for this crane and for the latest new developments, giving the customer significant support in both job planning and operation.

Caption

liebherr-ltm-1750-higher-capacity.jpg

The increase in load capacity of the LTM 1750-9.1 for wind power applications is more than 10 tonnes.

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