

The specialist for heavy jobs: The new Liebherr 710 HC-L luffing-jib crane in interactive form at the Intermat 2015

- High load handling capacity - with compact dimensions
- New tower system - can be climbed internally and externally
- Better performance and economy for crane operation

Paris (France), 20 April 2015 – The new luffing-jib crane in the 700 mt class will be presented to the trade public at the exhibition in the form of a Plexiglas model and an augmented reality application. The 710 HC-L is available in two lifting capacity versions - with a maximum lifting capacity of 50 tonnes and 64 tonnes. The slim tower system can be climbed internally and externally. Attention was also paid in the design phase to ensure that all the components can be transported in containers.

The 710 HC-L luffing-jib crane from Liebherr is a new development in the 700 mt class and available in two lifting capacity versions, namely a 50-tonne version and a version with a maximum lifting capacity of 64 tonnes. It delivers top values in terms of lifting capacity and hoisting speed. Hook speeds of up to 218 m/min are another stand-out feature of this crane. When combined with the powerful 220 kW SD.shift drive unit, its handling capacity for this crane size is outstanding. On high buildings, in particular, its combination of high loads and high speed pays dividends.

Great attention was paid to the details in the design of the crane. Quick-release fastenings for the slewing platform, cab and jib, and electrical connectors for the drive units and switchboard plant make it easier to erect. The bolts for the quick-release fastenings are easy to insert, can be secured quickly and make erection considerably easier. The new 710 HC-L is also very adaptable when it comes to installing the crane cab. Depending on the requirements for site planning, the cab can be installed on the left or right of the slewing platform if the crane climbs externally.

Slim tower system - can be climbed internally and externally

In addition, Liebherr has developed a new slim tower system for this crane class, the 24 HC. Due to its high rigidity, high, free-standing hook heights of up to 74.8 m can be achieved. With its small external dimensions of just 2.40 m, it also makes things much easier when space is at a premium on site. The Liebherr time-tested conical bolt connection ensures that simple, fast erection and dismantling is guaranteed. This tower system can be climbed both in the elevator shaft and on the outside of the building.

All the crane components, including the tower system have been enhanced for dismantling using the Liebherr Derrick 200 DR 5/10 Litronic. The components can be reduced to an erection weight of just 10 tonnes.

During the development phase of the largest Liebherr luffing-jib crane from the HC-L series, the crane concept was unveiled to the public at the Conexpo 2014 in Las Vegas (USA). The 710 HC-L was so well received by customers, that two machines were in fact sold in advance. Other projects were negotiated and orders were placed for them. Two customer machines were delivered in the first quarter of 2015 and will be used in projects on the North American market.

Technical data	710 HC-L 25/50	710 HC-L 32/64
Max. lifting capacity with 50 m jib	50 t	60 t
Lifting capacity at the jib head with 50 m jib	15.4 t	15.1 t
Point of intersection on 50 m jib:	37.30 m (25 t)	29.30 m (32 t)
Hoist gear	220 kW / 130 kW	220 kW / 130 kW
Luffing gear	110 kW / 160 kW	110 kW / 160 kW

Captions

liebherr-luffing-jib-crane710hc-l.jpg

The new Liebherr 710 HC-L luffing-jib crane adds a new top-end model to the series

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