

Nominated for the Bauma Innovation Award: 370 EC-B 12 Fibre from Liebherr

- More load capacity, longer service life and easier handling thanks to fibre rope
- Optimised for transport and assembly
- Increased comfort for crane operators with the new LiCAB cabin and an intuitive user interface
- New design with integrated advertising panels ensures improved impact over distance

Munich (Germany), 28th January 2018 – Liebherr presents a new flat-top series at Bauma, the construction machinery trade fair in Munich. The 370 EC-B 12 Fibre is currently the largest crane in the class. Its unrivalled performance values made possible thanks to the high-tensile fibre rope, many innovative detailed solutions for transport and assembly, and an impressive design are captivating. The 370 EC-B 12 Fibre has been nominated for the Bauma Innovation Award in the ‘machine’ category.

All users of the crane benefit from the advantages of the 370 EC-B. Operating companies of the crane appreciate better returns generated thanks to the reduced Life-Cycle-Cost of the fibre rope, the work of service technicians during assembly and transport has been facilitated, and the crane operator can enjoy a fully renewed work environment that sets new standards in terms of ergonomics, comfort and performance.

Fibre rope innovation

The fibre cranes are equipped with soLITE high-tensile fibre rope, which has been developed over a period of 10 years by Liebherr and the rope manufacturer Teufelberger.

As well as the fibre cranes offering up to 20 percent more lifting capacity when compared to cranes using steel rope, fibre rope also has a four times longer service life than steel rope. As the fibre rope only weighs around a fifth of steel rope, reeving the

hoist rope is also significantly easier in terms of handling. In addition, maintenance is less complicated as the fibre rope doesn't need lubrication. Furthermore, a fibre rope is environmentally friendly: Waste from used ropes is reduced and soiling caused by grease is avoided.

Operational safety is also noticeably increased: The different elements of the rope's outer layer wear out at a different pace – the crane operator knows it's time to replace the rope when the red layer underneath the sheath becomes visible.

Optimised steel construction: smaller, lighter, even more performance

Several details at the top of the crane have been optimised for transport and assembly: The new EC-B's compact head, jib and trolley are lighter than their predecessors thanks to their material-saving design. In addition, the jib is now so narrow that three long 12-metre jib sections fit onto a truck bed. Compared with similar Liebherr cranes, even the shortest jib requires one whole transport truck less – and at least two less at maximum radius. This saves both time and money and protects the environment. The new cranes have also been designed with optimised, patented quick assembly connections for jibs and counter-jibs, to make assembly even easier and, above all else, safer.

Increased comfort for crane operators

Size matters: With more than two square metres of space, the new cabin has more room than any EC-B cabin before. Because of its larger field of vision, crane operators have a better overview of the construction site – a crucial aspect for site safety.

As well as ergonomically positioned operating elements, crane operators will find a variety of storage options and surfaces – including details like a cup holder. As well as this, the new cabin has several power sockets to plug in small electrical appliances such as a kettle or radio equipment. In addition to the standard 230 V sockets there are also USB interfaces to provide power for items such as smartphones. Speaking of smartphones: It is also possible to make phone calls via a hands-free system using Bluetooth and to play your own music.

The new display makes the operation of cabin and crane functions much easier and more intuitive: The new 12-inch multi-touch display ensures all devices in the cabin are networked together. This means that all control settings such as setting into operation via the newly developed scaling assistant, setting the ABB operating-range limiting system and using the trolley camera can all be done via the display. Comfort functions such as air conditioning, radio and windshield wipers are also controlled centrally via the new display. Whenever there is an update available for the Tower Crane Operating System, this is indicated on the display and can be loaded with a single tap of the finger.

The cabin is available in three options: The LiCAB Basic, the LiCAB Air with air conditioning, and the premium LiCAB AirPlus version with air conditioning, double glazing and tiltable side windows.

Concise and modern: a new design with larger advertising panels

The now widely recognised bi-colour design of Liebherr tower cranes has been applied to the new EC-B series. Upon customer request, the yellow sections can be easily and cost-effectively adapted to the respective company's colours.

The advertising spaces have been integrated into the crane's design and are more than twice as big as previous possibilities. For example, the 370 EC-B 12 Fibre both offer customers an additional 8.5 m² of advertising space for company logos and advertising slogans, with the additional option of lighting.

There are no additional wind exposed surface area as the advertising panels remain on the crane and do not have to be attached and transported separately – another aspect highlighting the economical assembly during which every quarter of an hour matters.

Caption

liebherr-new-flat-top-cranes.jpg

The new EC-B series from Liebherr sets new standards in terms of performance and design.

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