

## **World premiere at the Excon India 2019: Liebherr expands its Flat-Top crane series with the NC-B 12-70**

- World premiere of the NC-B 12-70 at the Excon India 2019
- 12 t maximum lifting capacity, 70 m maximum radius, 492 m maximum hook height

**Biec / Bengaluru (India), 10 December – Liebherr is unveiling the third and largest Flat-Top crane of the new NC-B series to date at the Excon in India: the NC-B 12-70. With a maximum lifting capacity of 12 tonnes and a maximum radius of 70 metres, it is significantly larger than the NC-B 9-62 and the NC-B 6-62. A specific 16 EC tower system has been developed for the NC-B cranes. The series also has its own variable climbing system.**

The new NC-B series was specifically developed to meet the requirements for use in metropolitan areas of emerging countries. The first three models in the new series can cover a wide range of construction projects in these areas. The nine-tonne and the new twelve-tonne versions are ideal for hoisting heavy prefabricated components – for example for building shopping centres, production plants and car parks. The six-tonne NC-B 6-62 crane, meanwhile, is perfect for erecting tower blocks in inner-city areas where they work with low load weights but enormous hook heights.

The NC-B 12-70 model on show at the Excon has a maximum lifting capacity of 12 tonnes and a maximum radius of 70 m. It has a jib head load capacity of 2,000 kg.

For the NC-B 12-70, the customer can choose from a frequency converter standard hoist gear with a rating of 45 kW or an optional 75 kW hoist gear, also with a frequency converter. The 75 kW hoist gear can achieve hook heights of up to 492 m with high handling capacity in two-line operation.

### **Production in India with tailored technology from Germany**

Liebherr manufactures cranes tailored to suit the local market in India at its Liebherr CMCtec India Private Limited site opened in Pune, ensuring short lead times whilst still using time-tested German technology.

The new 16 EC tower system with external dimensions of 1.60 m x 1.60 m was developed for the new NC-B cranes. As usual with tower systems in these classes, the tower sections are connected using pins and are climbable. The standard length of the tower sections is 3.90 m. Extended tower elements with a length of 11.70 m can also be used to reach a maximum free-standing hook height of 53.20 m quickly and at low cost.

The hydraulic climbing unit is suitable for both internal and external climbing. It can be removed in full and is compatible with other Liebherr tower cranes. This means that operators only require one unit which can then be used at different sites.

In contrast to existing Liebherr Flat-Top cranes, the new NC-B models have a full jib element rather than the compact head. This is also designed for transporting in containers but costs less than a compact head. Depending on the size class of the auxiliary crane, the slewing platform, switchgear cabinet and cabin can also be assembled separately. The new concept includes a large number of time-tested elements from existing Liebherr top-slewing cranes, such as the LiConnect jib connection system. This enables the jib to be shortened or extended quickly and easily in steps of five metres.

### **Crane control system – simple, precise crane operation**

Both the hoist and slewing gear and the trolley are controlled by a frequency converter. This makes infinite acceleration for hoisting, lowering and slewing possible, ensuring very precise crane operation.

The time-tested Micromove fine positioning mode is included in the package as standard. The ABB operating-range limiting system and EMS electronic monitoring system are also available as options.

There are also other ways of upgrading apart from the control system. The options include slip ring assemblies for endless slewing, a remote control for easy control from the ground or an anemometer for safe crane operation.

**Caption**

liebherr-towercranes-nc-b.jpg

An addition to the NC-B series: The NC-B 12-70 is the largest crane of the Liebherr tower crane series.

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