

World premiere at the Bauma Conexpo India 2016: Liebherr NC-B top-slewing crane series

- New development to meet the demands of the construction industry in India
- World premiere of the NC-B 6-62 at the Bauma Conexpo India 2016
- Six tonnes maximum lifting capacity, 62.50 m maximum radius, 501 m maximum hook height

Gurgaon / Delhi (India), 12 December – Liebherr is unveiling a new series of top-slewing cranes with a flat-top design at the Bauma Conexpo India: the NC-B cranes. The new 16 EC tower system has been developed for these cranes. The cranes also have a new, variable climbing system. The new concept includes a large number of time-tested elements from existing Liebherr top-slewing cranes.

The new NC-B series was specifically developed to meet the requirements for use in conurbations in emerging countries. The first two models in the new series can cover a wide range of construction projects in these areas. The nine-tonne version is 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 model names of the NC-B cranes indicate their maximum lifting capacity and maximum radius. The NC-B 6-62 model on show at the Bauma Conexpo India therefore has a maximum lifting capacity of 6 tonnes and a maximum radius of 62.50 m.

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 2012 in Pune, ensuring short lead times whilst still using time-tested, high-quality 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 which 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.

The customer can choose from a frequency converter standard hoist gear with a rating of 24 kW or an optional 30 kW hoist gear, also with a frequency converter. The 30 kW hoist gear can achieve hook heights of up to 501 m in two-line operation.

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. In addition, the cranes have limited starting currents due to the frequency converters which means that the required power units can be kept relatively small.

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.

Technical data

	NC-B 9-62	NC-B 6-62
Max. radius	62.5 m	62.5 m
Max. lifting capacity	9.0 t	6.0 t
Max. lifting capacity at the jib head	1,200 kg	1,200 kg

Captions

liebherr-flat-top-crane-nc-b-bauma-conexpo-india-01.jpg

The new NC-B cranes from Liebherr are tailored to the requirements in conurbations in emerging countries.

liebherr-flat-top-crane-nc-b-bauma-conexpo-india-02.jpg

Liebherr developed the new NC-B series for a wide range of possible uses in terms of high hook heights and heavy loads.

Contact person

Hans-Martin Frech

Marketing & Market Management

Phone: +49 7351 41-2330

E-mail: hans-martin.frech@liebherr.com

Published by

Liebherr-Werk Biberach GmbH

Biberach / Riss, Germany

www.liebherr.com