

Press information

New York: Liebherr 125 K crane erects eight-storey residential building

- 125 K with special paint finish impresses with ease of use and flexibility
- Tower crane positioned on the third floor for problem-free rotation over a 316 EC-H
- Largest crane in the K series with a jib head load capacity of up to 1,300 kilograms can be unfolded without additional equipment

Maximum reach, an external cab and a special paint finish: The American customer Extreme Construction Inc. has opted for the Liebherr 125 K crane for the construction of an apartment building near New York. It's the largest fast-erecting crane in its class and has been specifically designed for residential, industrial and road construction purposes.

Biberach (Germany), 11 October 2021 – A new Liebherr 125 K fast-erecting crane with special paint finish is working on the construction of an eight-storey residential building in the New York metropolitan area. This is its first assignment. "We bought the crane expressly for this purpose," says Liebherr customer Daniel Bossi, managing director of Extreme Construction Inc, based in Hamilton, New Jersey. It was the reach, usability and flexibility of the Liebherr K series that won over Daniel Bossi and his crane operator.

The set-up on site is unusual in that assembly engineers didn't erect the 125 K on the ground but on the third floor of the building instead. This means there is no need for a recess in the floors of the podium to accommodate the tower of the crane, which saves both time and money. Plus, the 125 K is high enough to be able to rotate above a neighbouring crane without any problems. A Liebherr 316 EC-H is currently working on a different project on a site nearby. Due to its higher position, the 125 K towers over the 316 EC-H by almost seven metres.

No time-consuming relocations

Lifting concrete components and placing structures made of steel are just two of the tasks performed by the 125 K on the "25 Maple Avenue" development project in New Rochelle, New York. This project entails an eight-storey building with more than 180 residential units, around 1,900 square metres of commercial space and a multi-storey car park. Extreme Construction Inc. is responsible for the structural and interior work. The project is scheduled for completion in 2022.

The 125 K is positioned on the third floor in such a way that all areas of the site are reachable. As a result, time-intensive relocations are not required. Unlike with other types of lifting technology, such as

loading or telescopic cranes, there is no need to plan extra routes and parking areas. Given the limited space on the construction site, this is a decisive argument in favour of the fast-erecting crane.

Heaviest lift is 4,000 kilograms

The crane has a jib length of 55 metres and a maximum lifting capacity of 8,000 kilograms. The hook height for this particular site is just under 37 metres. "Using this crane allows to perform all the required lifting on site. The heaviest lift has been around 4,000 kilograms," says Daniel Bossi. The auxiliary crane, a Liebherr LTM 1350 mobile crane, lifted the folded 125 K to the third floor and will also bring it down again once the project is complete.

"My crane operator Jeff Allen, who has been doing this job since 1984 and has worked for our company since 2008, says that this is the best tower crane he has ever worked with," reports Daniel Bossi. "We used the Load Plus assistance system for the duration of the job." With Load Plus, the lifting load can be increased by up to 20 percent at the push of a button. This further increases the performance of the most powerful fast-erecting crane on the market. The external cabin and the support provided by other assistance systems of the Litronic control system also ensure safety on the construction site.

Special paint finish in black and orange

Incidentally, it was crane operator Jeff Allen who brought the Liebherr model to his boss's attention. Jeff Allen discovered the 125 K at the CONEXPO-CON/AGG in Las Vegas last year and found himself immediately impressed. Daniel Bossi subsequently ordered the crane in black and orange, Extreme Construction Inc's company colours, inclusive of an external cab.

The cabin can be assembled without the need for additional tools. This also applies to the crane itself. Thanks to the low-maintenance rope kinematics, the crane unfolds with the support of its own drives. The 125 K is the largest of Liebherr's K series. A well-designed assembly process, and numerous options for hook height and jib length adjustment, make site planning easier. Optimised external dimensions ensure that the K cranes fit into almost any gap. Other customers in the US are also attracted by this; the 125 K is now available from several American rental companies.

About the Liebherr Tower Cranes Division

More than seven decades of experience have made Liebherr a recognised specialist for lifting technology on all types of construction sites. The range of Liebherr Tower Cranes encompasses an extensive selection of high-quality tower cranes that are used worldwide. This includes fast-erecting, top-slewing, luffing jib and special-purpose cranes as well as mobile construction cranes. In addition to these products, Liebherr also offers a wide range of services that complete the company's portfolio: Tower Crane Solutions, Tower Crane Customer Service and the Tower Crane Center.

About the Liebherr Group

The Liebherr Group is a family-run technology company with a highly diversified product portfolio. The company is not only one of the largest construction equipment manufacturers in the world, but also provides high-quality and user-oriented products and services in a wide range of other areas. Today, the Group consists of more than 140 companies across all continents, employs around 48,000 people and, in 2020, achieved a total turnover of over 10.3 billion euros. Liebherr has pursued its goal of satisfying customers with industry-leading solutions and shaping technological progress since its founding in 1949, in Kirchdorf an der Iller in Southern Germany.

Images



liebherr-125K-usa-extreme-construction-01.jpg

The Liebherr 125 K is working on a residential project in the New York metropolitan area. It towers over a neighbouring 316 EC-H crane by almost seven metres. Image: Extreme Construction Inc.



liebherr-125K-usa-extreme-construction-02.jpg

The fast-erecting crane is positioned on the third floor so that its jib can reach every part of the site. Image: Extreme Construction Inc.



liebherr-125K-usa-extreme-construction-03.jpg

The external crane operator's cab provides an excellent view of the construction site. It can be assembled without additional tools. Image: Extreme Construction Inc.

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