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Going greener, reaching higher: Jekko unveils the new JF545.2 Lithium Battery

The Jekko JF545.2 now offers two power options: Diesel Bi-Energy and the new CL Lithium Battery version. Another milestone in Jekko's electrification strategy, bringing lithium technology to the high-capacity articulated crawler crane segment.

With the industry's most comprehensive range of lithium-powered cranes, Jekko continues its electrification strategy, progressively extending this technology to increasingly powerful and versatile machines. The **JF545.2**, already available in the CDH Diesel Bi-Energy version, is now also offered in the new **CL Lithium Battery** version, demonstrating that sustainability and high performance can go hand in hand even in the most demanding lifting applications.

The new version retains the features and performance of the JF545.2 Diesel Bi-Energy, with a **maximum lifting capacity of 15.5 tonnes, a maximum height of 32.5 metres and a horizontal reach of up to 28.2 metres** with the jib installed. Its width of just 1.84 metres, crawler undercarriage and removable counterweight provide excellent manoeuvrability on restricted and challenging jobsites while simplifying transport. The variable-geometry outrigger system allows the crane's footprint to be adapted to the available space, while the articulated boom offers exceptional freedom of movement to reach over obstacles, access hard-to-reach lifting points and perform below-ground-level lifts.

Lithium technology for a full working day

At the heart of the new JF545.2 CL is a **75.3 kWh, 400 V LFP lithium battery**, designed to provide more than 8 hours of operating autonomy without compromising performance. The system supports **charging at 230 V or 400 V, or CCS Combo 2 fast charging from 0 to 90% in just 2 hours**, with the ability to **operate while charging**. The BMS (Battery Management System) ensures battery safety and optimises charging. Advanced integrated safety systems also ensure safe management of the high-voltage circuits.

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From industrial maintenance to urban jobsites: new operating opportunities

The combination of high lifting capacity, compact dimensions and fully electric power makes the JF545.2 CL suitable for a wide range of applications.

In **industrial facilities**, the JF545.2 CL is ideal for **installing and maintaining machinery and production equipment**, thanks to its articulated boom, which can reach over obstacles and access otherwise hard-to-reach areas.

On **construction and infrastructure jobsites**, it is well suited to installing steel structures and precast components, even in areas with limited access and confined spaces, thanks to its compact design and variable-geometry outriggers.

Zero emissions and reduced noise levels offer further advantages for indoor work, historic city centres, urban areas and night-time operations, where environmental and noise restrictions can influence equipment selection.

Jekko electrification reaches new heights

With the new **JF545.2 CL Lithium Battery**, Jekko takes another step forward in its electrification strategy, bringing the advantages of lithium power to high-capacity lifting applications.

A solution combining **power, autonomy, precision and sustainability**, expanding operating opportunities for lifting professionals and reaffirming Jekko's commitment to developing increasingly efficient and versatile technologies.