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JF235CL: the first Jekko lithium-powered knuckle boom crawler crane

Jekko enlarges its offer of fully-electric mini cranes with its first knuckle boom crawler crane: JF235CL.

The lithium-ion-battery power supply makes this crane ideal for indoor jobsites, such as on industrial maintenance, being totally emission-free and low noise. On these types of jobsites Customers had already appreciated the features of the knuckle boom crawler crane JF235, with its articulated boom totally flexible in every movement, combined with its compact dimensions and agile movements. Now that it is also fully-electric it offers even greater efficiency and sustainability, making it the ultimate solution for modern lifting needs..

The new model has the same features and lifting performances of corresponding Diesel model: it reaches a height of 25 m, a radius of 23 m and a lifting capacity of 6,15 ton with unchanged lifting diagrams. It is available with accessories as fly jib, searcher hook, manual extensions and man working platform.

JF235CL features a 48V 67kWh lithium-ion-battery pack boasting excellent characteristics on performance and reliability. To ensure the highest level of safety the battery pack is monitored by a BMS (Battery Monitoring System) fully integrated into the machine's electronics.

The low voltage battery allows to easily perform troubleshooting without the need of dedicated service licence.

The high capacity battery allows the 12kW motor pump to run with an autonomy of 10 working hours (on 35% duty cycle).

Compared to diesel-powered engines, battery-powered cranes are maintenance free, greatly reducing the service activities required on the crane. The Start&Stop system applied on motor pump ensures a further considerable energy saving and lowers hydraulic maintenance needed.

The crane can be recharged with both single phase (230V) or three phase (400V) chargers. The complete recharge 0-100% can be completed in 6 h 30 min and the crane can continue to operate at full power without stopping even while recharging the battery.