

Tadano launches fully electrified rough terrain crane EVOLT eGR-250N for the Japanese market

Takamatsu, Japan – December 6, 2023 – Tadano Ltd is set to revolutionize the construction equipment industry with the launch of the Tadano EVOLT eGR-250N. This fully electrified rough terrain crane, boasting a maximum lifting capacity of 25 tonnes, is a pivotal addition to Tadano's commitment to reducing carbon emissions and embracing sustainable practices.

Scheduled for release exclusively in the Japanese market on December 8, 2023, the EVOLT eGR-250N is the culmination of Tadano's dedication to environmental responsibility and the realization of their Green Solutions strategy. The company aims to reduce CO2 emissions from their machines by 35% by 2030, ultimately striving for complete climate neutrality by 2050.



eGR-250N

EVOLT - Evolution Meets Voltage

The EVOLT series represents Tadano's electrified product lineup, symbolizing the evolution of construction equipment towards a more sustainable and environmentally friendly future.

World's First Fully Electric Rough Terrain Crane

Breaking new ground, the EVOLT eGR-250N is the world's first fully electric rough terrain crane put into practical use, exclusively available in Japan. It seamlessly executes all crane and travel operations using a battery as the power source, setting a new standard for eco-friendly construction equipment in the Japanese market.

Same Basic Performance as Combustion Engine Model

The EVOLT eGR-250N maintains the exceptional lifting and running performance of the conventional GR series, tailored for the specific needs of the Japanese construction industry. With a maximum lifting capacity of 25 tonnes, a working radius of 34m, ground lifting height of 44.2m, and a maximum speed of 49km/h, operators can expect the same reliable performance as the diesel engine model, ensuring a smooth transition to electrified machinery without compromising functionality.

Reduced Noise Levels

In addition to environmental benefits, the EVOLT eGR-250N introduces a significant reduction in noise levels during travel and crane work, providing added value for use in noise-sensitive Japanese construction sites.

High-Output Electric Motor

Equipped with two high-output motors boasting a maximum output of 97kW (132PS) and a maximum torque of 2500N·m (255kgf·m), the EVOLT eGR-250N delivers improved acceleration performance and smooth running. This design minimizes shock during gear changes, significantly reducing operator stress and ensuring a more comfortable and efficient work experience.

Efficient Lithium-Ion Battery

The heart of the EVOLT eGR-250N lies in its efficient lithium-ion battery with a total capacity of 226kWh. A full charge enables an average day of crane work and driving in the Japanese construction landscape, offering versatility and productivity on the job site. The lithium-ion technology not only provides a reliable power source but also aligns with Tadano's commitment to sustainability by significantly reducing the carbon footprint associated with traditional diesel-powered cranes.

Advanced Charging Methods

With an eye on convenience and efficiency, the EVOLT eGR-250N adopts CHAdeMO for quick charging and AC200V three-phase commercial power connection for normal charging. This allows crane work to be seamlessly performed while plugged in at the site, ensuring continuous operation without unnecessary downtime. Quick charging takes approximately 2.5 hours, while normal charging requires approximately 8 hours.

Battery Autonomy

The EVOLT eGR-250N offers an impressive battery autonomy, with crane work lasting approximately 5 hours and traveling approximately 42km on a full charge. For crane work only, the autonomy extends to approximately 11 hours, and for driving only, approximately 70km.

LIFT VISUALIZER

Enhancing safety and efficiency, the EVOLT eGR-250N offers the optional LIFT VISUALIZER. This feature utilizes a suspended load monitoring camera, allowing operators to monitor suspended loads directly from above. Particularly useful in blind spots such as rooftop work, the LIFT VISUALIZER, in conjunction with the AML control system, displays crucial information on work status, load moment, 100% stop position, and more on the monitor, improving overall work safety and efficiency.

For more information about Tadano and the EVOLT eGR-250N, please visit [\[https://www.tadano.co.jp/products/promotion/evolt/egr-250n/\]](https://www.tadano.co.jp/products/promotion/evolt/egr-250n/). (in Japanese only)

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About the Tadano Group

Since Tadano developed Japan's first hydraulic truck crane in 1955, the company has grown globally, while constantly striving to implement our Corporate Philosophy of Creation, Contribution, and Cooperation. The Tadano Group delivers our Core Values – Safety, Quality, and Efficiency Based on Compliance (C+SQE) – in each and every one of our products and services.