

Energy storage box straddle crane installation specifications

What is a hybrid Konecranes Noell straddle carrier?

The Hybrid Konecranes Noell Straddle Carrier is very popular with container terminal customers: we have sold many units in the last two years. Hybrid straddle carrier operation is an important step on the Ecolifting road.

What drives are available in Konecranes Noell straddle carriers?

The drives can be diesel-hydraulic, diesel-electric or diesel-battery-hybrid. Also available as automated versions. The control system of diesel-electric Konecranes Noell Straddle Carriers is designed in such a way that automation can be added without extensive modifications to the existing machines.

What is a straddle carrier control system?

The control system of diesel-electric Konecranes Noell Straddle Carriers is designed in such a way that automation can be added without extensive modifications to the existing machines. Operators of existing terminals can convert manual straddle carriers to automated, unmanned A-STRAD operation.

What is hybrid straddle carrier operation?

Hybrid straddle carrier operation is an important step on the Ecolifting road. The Battery Konecranes Noell Straddle Carrier can be adopted easily by brownfield container terminals without major yard adjustments. The charging station can be placed in a maintenance area for convenient access.

How do straddle carriers work?

The wheels of a straddle carrier are often arranged in a rectangular layout, providing stability and maneuverability. This arrangement allows the carrier to move in any direction, including sideways, which is essential for navigating the tight spaces in container yards. Electronic systems play a crucial role in the operation of straddle carriers.

How much does a straddle carrier weigh?

*Data based on operation with twin spreader. *With engine at normal operating temperature, head wind not exceeding 3 bft, and container in traveling position. Straddle carrier performance data relate to a nominal weight of 30.5 t which corresponds to the permissible gross weight of an ISO 40' container.

Straddle carrier crane is an engineering gantry crane, which is a kind of gantry crane specially designed for container handling and bridge construction. There are straddle carrier rail gantry ...

The new-design Konecranes Noell Straddle Carrier, introduced in June 2024, provides a flexible path to Ecolifting by upgrading through simple interchangeable power modules - hybrid to battery to hydrogen - with no compromise in ...

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Cranes: Mobile cranes or gantry cranes are utilized for lifting containers on and off ships or railcars. These heavy-duty machines are essential for container terminal operations. Straddle Carriers: Straddle carriers are large ...

Single girder overhead crane is commonly employed for light duty or moderate services in workshops, warehouses, storage yards, etc. The crane comes in two main configurations, including top running and underhung system. According ...

Straddle carrier are mainly used for the transportation of energy storage cabinets in production lines and shipping scenarios within energy storage factories. The general process is as follows: Material arrival unloading, yard -> assembly ...

Straddle carriers can quickly lift containers unloaded from ships and transport them to storage areas or directly onto trucks or rail cars. They are adept at maneuvering in the tight spaces of container yards and can stack containers ...

The key specifications for straddle carriers include: ... Hydraulic system installation; Electrical and control systems; Spreader installation; ... a flexible and efficient solution for handling ...

report is to analyse whether implementing energy storage systems in the cranes of the container terminal Port of Gävle can contribute to reduce electricity costs ... straddle carriers, rubber ...

Kalmar ESC straddle carrier is built with a reliable and energy efficient diesel-electric power train. Power unit is placed on the top frame where it is not exposed for collisions to obstacles on ...

Due to the unique design and structural features, straddle carriers also called Rubber Tyred Gantry Cranes, mainly used to move and lift large equipment in narrow spaces and restricted conditions. For example, straddle cranes are ...

The crane has cross and long travel speeds of up to 20 m/min and a hoisting speed of up to 3.1 m/min, with a 4.29 m height of lift. The crane is operated via a radio remote controller. ABB is ...

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Crane type: AQ-HD single girder crane, AQ-NLH double girder crane Crane lifting capacity: 5 ton and 20 ton
eot crane Quantity: 2 sets Installation method: providing on-site guidance Crane ...

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