

80 Tons Rubber-Tyred Gantry Cranes

Original link: <https://www.globalweihua.com/crane-hook/80-tons-rubber-tyred-gantry-cranes/>



80 Tons rubber-tyred gantry cranes

Product Overview of 80 Tons rubber-tyred gantry cranes

The 80 Tons Rubber-Tyred Gantry Crane (RTG Crane) is a high-performance material handling solution engineered for heavy-duty container operations. Designed to meet the rigorous

demands of ports, container yards, and logistics hubs, this 80 Tons rubber-tyred gantry cranes combines exceptional lifting capacity, flexible maneuverability, and advanced control systems to optimize operational efficiency. With a maximum lifting capacity of 80 tons, it excels in handling large and heavy containers, ensuring seamless transfer between ships, trucks, and storage stacks. Its rubber-tyred design eliminates the need for fixed rails, providing unparalleled mobility to adapt to dynamic yard layouts and changing operational requirements.

Core Features of 80 Tons rubber-tyred gantry cranes

- Robust Structural Design:** Constructed with high-strength Q355B steel, the 80 Tons rubber-tyred gantry cranes’ main beam, legs, and trolley frame offer excellent load-bearing capacity and structural stability. The optimized beam design reduces weight while enhancing rigidity, minimizing deflection under full load and ensuring long-term operational reliability.
- Advanced Drive System:** Equipped with a four-wheel drive system and independent suspension, the crane delivers powerful traction and smooth movement even on uneven yard surfaces. The hydraulic steering system supports 360° rotation and crab steering, allowing precise positioning in tight spaces and efficient container stacking.
- Intelligent Control & Operation:** 80 Tons rubber-tyred gantry cranes features a PLC-based control system with a user-friendly HMI (Human-Machine Interface) touchscreen. The system integrates anti-sway technology, automatic positioning, and load moment monitoring, reducing operator fatigue and improving handling accuracy. Remote control options are also available for enhanced safety and operational flexibility.
- Superior Safety Protection:** Incorporates multiple safety devices, including overload protection, limit switches (lifting height, trolley travel, and gantry travel), emergency stop buttons, and anti-collision sensors. These systems work together to prevent accidents and ensure the safety of personnel, the crane, and the cargo.
- Energy-Efficient Performance:** Adopts a high-efficiency diesel engine or optional hybrid power system (diesel-electric) to reduce fuel consumption and emissions. The energy recovery system captures kinetic energy during braking, converting it into usable power to further lower operational costs.

Technical Specifications of 80 Tons rubber-tyred gantry cranes

Parameter	Specification
Rated Lifting Capacity	80 Tons
Lifting Height (Under Beam)	12 - 18 Meters (Customizable)

Span (Wheel Center Distance)	18 - 30 Meters (Customizable)
Lifting Speed (Empty/Loaded)	0 - 15 m/min / 0 - 8 m/min
Trolley Travel Speed	0 - 40 m/min
Gantry Travel Speed	0 - 60 m/min
Power Source	Diesel Engine (160 - 220 HP) or Hybrid (Diesel-Electric)
Tire Quantity	8 - 12 Units (Heavy-Duty Industrial Tires)

Application Areas of 80 Tons rubber-tyred gantry cranes

80 Tons rubber-tyred gantry cranes are widely used in the following scenarios:

- International ports and container terminals for loading/unloading containers from ships and trucks.
- Inland container depots and logistics centers for container storage, stacking, and transfer.
- Industrial manufacturing plants (e.g., heavy machinery, automotive) for handling large components and equipment.
- Railway freight yards for intermodal transportation between trains and trucks.

Product Advantages of 80 Tons rubber-tyred gantry cranes

Compared to traditional rail-mounted gantry cranes and smaller RTG cranes, 80 Tons rubber-tyred gantry cranes offers distinct advantages: Higher lifting capacity to handle oversize and heavy containers; Rubber-tyred mobility for flexible yard layout adaptation; Advanced intelligent systems for improved efficiency and safety; Energy-saving designs to reduce operational costs; Customizable specifications to meet specific project needs.

After-Sales Service

We provide comprehensive after-sales support to ensure the smooth operation of your 80 Tons rubber-tyred gantry cranes, including: Professional on-site installation and commissioning by certified technicians; Operator and maintenance personnel training programs; Regular maintenance and inspection services; 24/7 technical support and spare parts supply; Extended warranty options for key components.

Contact Us

For more information about the 80 Tons Rubber-Tyred Gantry Crane or to request a customized quotation, please contact our sales team. We are committed to providing you with the most suitable material handling solutions based on your specific requirements.

(注：文档部分内容可能由 AI 生成)