Rail mounted gantry crane

WIDER INTERMODAL HORIZONS
SMATER FROM EVERY PERSPECTIVE

Operations
RELIABILITY AND PERFORMANCE
- Commitment to root-cause support
- Active Load Control (ALC) for quick load positioning
- Service modularity applied for quick crane recovery
- All key components from industry-leading suppliers, no copies used
- Intelligent structure for excellent stability and improved duty cycle
- Modular automation upgrades available

Maintenance
EASIER, LESS FREQUENT MAINTENANCE
- Non-hydraulic design since 1995
- Solution synergy applied to reduce the amount of separate machinery and components (anti-sway, side shift, skew and trim)
- Service modularity applied for quick and less frequent maintenance (direct gantry and trolley drives, flange-mounted motors)
- Direct access to maintenance points

Driver
SAFETY AND ERGONOMICS
- 'All-in-Controllers' for absolute driver’s focus and uninterrupted load handling
- Safe crane access all the way to the top via rigid walkways and platforms, no ladders used
- Enclosed machinery

Finances
LOWEST LIFECYCLE COST
- Dedication to long-term partnership
- Equipment designed based on the Total Cost of Ownership approach
- No hydraulics, meaning dramatic operational cost savings
- Low energy consumption (see Community)
- Fewer spares and less maintenance (see Maintenance)
- Higher performance for reduced cost/TEU (see Operations)
- Lower civil works investment due to intelligent structure enabling highest tolerance to yard surface variations

Community
ENERGY SAVER
- No hydraulics
- Quick and precise load positioning without moving the weight of trolley or gantry
- Optimized equipment weight due to intelligent structure and trolley design
- Energy-saving Konecranes drives designed for crane use
- Regenerative power feedback for lowest energy consumption and emissions

Terminal Manager
BEST PERFORMER IN EVERY RESPECT
- Quick truck turnaround times
- Quick rail service
- Safety a priority
- Lower emissions and cost
Dimensions, mm
Max. 50 tons under spreader
Max lifting height (1 over 6)/Max span 21,000/50,000
Cantilevers up to 15,000 mm on one or both sides

Hoist speeds, max, m/min:
- Hoist with 40-ton load/empty spreader: 45/90
- Trolley traverse standard/optional: 70/76
- Gantry travel with 40-ton load/empty spreader: 140/150

Simultaneous hoist/trolley traverse/gantry moves possible: yes
Trolley 4-wheel drive
Type of anti-sway system included: by alC
Type of micro motions by alC: up to 250 mm radius
Skew/trim angle, degrees: 5/over 5

Spreader
- Standard positions: 20, 30, 40, 45
- Special positions: twin twenty, long twin, WtP
Connection to head block: twist lock or pin

Bogies up to 8 wheels/corner
Wheel size, mm: 630, 1360
Spacing
Wheel material: surface-hardened chromium-molybdenum steel

Cable reel power supply: electricity 3 phase: 50/60 Hz, 10–15 kV

Options:
- Semi automation
- Rotating trolley, max. skewing: 2 rpm

The information in this leaflet is based on the current production typology and specifications. It is subject to change without notice. KONE is not responsible for any errors or omissions. KONE reserves the right to change typology and specifications. Customers must ensure that their requirements are fully met by their order.
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