Rubber tired gantry
MORE BOXES
WITH LESS ENERGY

Konecranes is a worldwide group of lifting businesses, serving a broad range of customers, including manufacturing and process industries, shippers, ports and terminals. Konecranes provides productivity-enhancing lifting solutions as well as services for lifting equipment and machinery. Over 2,800 employees in 48 locations in 21 countries. Konecranes is based on the NAGA SRI share list (symbol: KCRS). More details at www.konecranes.com

SIMPLIFIED AND SMARTER FROM EVERY PERSPECTIVE

Operations
RELIABILITY AND PERFORMANCE
- Committed to cost savings support
- Load Control (LCU) in each load monitoring system
- Application applies to diverse crane ranges
- Enhances productivity and helps reduce expenses

Maintenance
EASIER, LESS FREQUENT MAINTENANCE
- Minimizes design variations to reduce the amount of spare parts required
- Equally appropriate for conventional, rubber-tyred gantry and rubber tired gantry cranes
- Unique rail guides to keep cranes straight and on track
- Prevent maintenance (green engines), direct geared and ratio drives
- Gear-reduction avoiding direct access for spark line changes
- Direct access to maintenance points

Safety and Ergonomics
SAFETY AND ERGONOMICS
- Easy-controlled for efficient trailer load handling
- Eases service access all the way to the top
- No ladder access
- Includes service lift, no need for service lift
- Variable speed drive (VSD) service lift for further reduction of risk

Testimonial
BEST PERFORMER IN EVERY RESPECT
- Quick truck turnaround times
- Quick 360° service
- Safety a priority
- Lower emissions and cost

Features
LOWEST LIFECYCLE COST
- Dedicated to long-term performance
- Equipment designed based on the Total Cost of Ownership approach
- Energy-saving design
- Dynamic operational cost savings
- High energy consumption (see specifications)
- Lowered energy consumption (see specifications)
- Higher performance for reduced cost/TFU
- Lower wear
- Noticeable improvements
- Sealed, reliable components
- Superior performance
- Reduces noise
- Sealed, reliable components
- Lower noise emission
- Improved noise emission
- Lowered energy consumption
- Improved reliability

Design
LIGHTWEIGHT DESIGN
- Durable to long-term performance
- Equipment designed based on the Total Cost of Ownership approach
- Energy-saving design
- Dynamic operational cost savings
- High energy consumption (see specifications)
- Lowered energy consumption (see specifications)
- Higher performance for reduced cost/TFU
- Lower wear
- Noticeable improvements
- Sealed, reliable components
- Superior performance
- Reduces noise
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www.konecranes.com
### THE ADVANTAGES REALLY STACK UP

The advanced hydrostatic design builds on decades of experience in crane design and manufacturing. All key elements of design are included for high performance, reliability, easy and accurate steering, low operating costs and low energy consumption. The Konecranes EHA incorporates a number of innovations, the latest know-how, as well as features proven over millions of centre jobs at numerous container terminals worldwide.

<table>
<thead>
<tr>
<th>Component</th>
<th>16 Wheels</th>
<th>8 Wheels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max lifting height (1 over 6)</td>
<td>21,500 mm</td>
<td>21,500 mm</td>
</tr>
<tr>
<td>Max span (8 to 10 lane)</td>
<td>29,500 mm</td>
<td>29,500 mm</td>
</tr>
<tr>
<td>Extension from leg centerline at diesel/crane access side</td>
<td>950 mm</td>
<td>991 mm</td>
</tr>
<tr>
<td>Outside/inside clearance at bogie and e-house level</td>
<td>±1500 mm</td>
<td>±2016 mm</td>
</tr>
<tr>
<td>Crane width over bogie guards/wheel spacing in a bogie</td>
<td>12,060 mm</td>
<td>12,050 mm</td>
</tr>
<tr>
<td>Speeds, max, m/min:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hoist with 50-ton load/empty spreader</td>
<td>31/62 m/min</td>
<td>31/62 m/min</td>
</tr>
<tr>
<td>Trolley traverse standard/optional</td>
<td>70/76 m/min</td>
<td>70/76 m/min</td>
</tr>
<tr>
<td>Gantry travel with empty spreader/50-ton load/Cross travel</td>
<td>135/90/50 m/min</td>
<td>135/90/50 m/min</td>
</tr>
<tr>
<td>Simultaneous hoist/trolley traverse/gantry moves possible</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Trolley type of anti-sway system included</td>
<td>4-wheel drive</td>
<td>2-wheel drive</td>
</tr>
<tr>
<td>Type of micro motions</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td>Skew/tire angle, degrees</td>
<td>5/5 over 5</td>
<td>5/5 over 5</td>
</tr>
<tr>
<td>Bogies</td>
<td>8-wheels driven</td>
<td>4-wheels driven</td>
</tr>
<tr>
<td>Tire size/pressure, bar</td>
<td>14.00x24/9.5</td>
<td>18.00x25/9.5</td>
</tr>
<tr>
<td>Wheel load, tons with 1 over 5 and 6+lane, max load, no wind</td>
<td>15.9</td>
<td>30.5</td>
</tr>
<tr>
<td>Drives</td>
<td>Konecranes AC</td>
<td>Konecranes AC</td>
</tr>
<tr>
<td>Enhanced semi-automatic driver’s assistance</td>
<td>Included</td>
<td>Included</td>
</tr>
<tr>
<td>Crane Management System (CMS)</td>
<td>industrial PC</td>
<td>industrial PC</td>
</tr>
<tr>
<td>Main Options for both 16/8 wheel gongs</td>
<td>Autosteering/Container Positioning systems With raas technology</td>
<td></td>
</tr>
<tr>
<td>Variable-speed diesel engine with fuel saving system</td>
<td>With readiness for energy storage</td>
<td></td>
</tr>
<tr>
<td>Cable reel power supply instead of diesel engine/alternator</td>
<td>3 phase, 50/60 Hz, 1–20 kV</td>
<td></td>
</tr>
</tbody>
</table>