QY50K FULL HYDRAULIC TRUCK CRANE

- Adoption of several China state patents and technical know-how.
- 5-section telescopic boom of oviform profile and 2-section folding Jib, larger working range.
- Full-width driver’s cab and newly-designed operator’s cab with wide field of vision, convenient for operation.
- Swing system with free-sliding function can automatically align to load. Pinion offset makes meshing clearance easy to adjust.
- New structure and imported steel material are used to minimize the total weight and maximize the whole vehicle performances. Main performances are in the leading position in the industry.
- Main hydraulic components used are international most advanced ones, the whole machine performance improved greatly.
- Well-equipped safety devices such as automatic load moment limiter, hoist limit switch, wire rope over-release cut-out device, make operation more safe.
- Environmental and powerful engine is equipped with the crane, strong drive and good passing-ability.

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Materials and specifications are subject to change without notice.
QY50K

FULL HYDRAULIC TRUCK CRANE

Dimensions

- Overall length: 13100 mm
- Overall width: 2750 mm
- Overall height: 3450 mm

Power

- Engine model: WD16164
- Engine rated output: 325kW
- Engine rated torque: 1400 Nm
- Max. rated speed: 2200 rpm

Lifting capacity

- Max. total rated lifting load: 50T
- Min. rated working radius: 3m
- Turning radius at swing tower full: 3480mm
- Boom length moment: 12600KN.m
- Full-extend boom length: 22500mm
- Outrigger extension distance: 5.5m
- Lateral: 6.5m
- Lifting height: 21m
- Boom length: 10.35m
- Full-extend boom length: 40m
- Max. lift capacity: 50T
- Jib over: 0° 15° 30°

Total rated lifting load for boom (Table 1)

<table>
<thead>
<tr>
<th>Working radius (m)</th>
<th>Base boom 10.35m</th>
<th>Movable boom 18.5m</th>
<th>Movable boom 26.45m</th>
<th>Movable boom 32.17m</th>
<th>Full-extend boom</th>
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Notes on Table 1 and Table 2:
- The data in the tables are the max. lifting capacity when the crane is set up on level and firm ground.
- The total rated lifting load in the table includes the weight of track block and slings.
- The working radius in the table one is the actual value including boom deflection under loads.
- Wind pressure 125NM/s². Lifting operation is also allowed under the condition of wind force scale 7.
- The lifting height in table 1 is only for reference.

Travel

- Travel speed: 75km/h
- Max. travel speed: 75km/h
- Min. travel speed: 4.3km/h
- Min. travel speed: 4.3km/h
- Turning diameter: 21m
- Minimum distance: 24m
- Minimum distance at boom tip: 26m
- Minimum distance: 26m
- Minimum clearance: 200mm
- Approach angle: 15° 16°
- Departure angle: 15° 16°
- Max. gradeability: 48%
- Fuel consumption at 100km: 1.4L

Total rated lifting load for jib (Table 2)

<table>
<thead>
<tr>
<th>Boom angle (°)</th>
<th>10, 15, 20</th>
<th>20, 25, 30</th>
<th>30, 35, 40</th>
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<td>Jib</td>
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At specified loads are subject to technical modifications without notice.