



QUY50 Crawler Crane

| | |
|------------------------|--|
| Engine | |
| Model | Cummins 6BT5.9-148 |
| Type | Direct injection, turbocharged, water cooled |
| Rated power | 125KW |
| Rated speed | 2000rpm |
| Boom Derricking System | |
| Drum diameter | 430mm |
| Rope diameter | 16mm |
| Rope length | 150m |
| Max. rope speed | 52m/min |
| Main Winch | |
| Drum diameter | 420mm |
| Rope diameter | 20mm |
| Rope length | 170m |
| Max. rope speed | 80m/min |

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| | |
|------------------------------------|--------------------------|
| Aux. Winch | |
| Drum diameter | 420mm |
| Rope diameter | 20mm |
| Rope length | 120m |
| Max. rope speed | 90m/min |
| Main Technical Specification | |
| Max. rated lifting capacity | 50000Kg |
| Operating weight | 50000Kg |
| Hook blocks | 50000/35000/15000/6000Kg |
| Standard boom | 13-52m |
| Fixed jib | 9.15-15.25m |
| Boom angle | 30-80° |
| Under Carriage System | |
| Number of Track rollers(each side) | 10 |
| Track width | 760mm |
| Number of track shoes(L/R) | 118 |
| Track tension | Hydraulic |
| Traveling speed | 0-1.3km/h |
| Grade ability | 40% |

Total rated lifting load for boom

| | | | | | | | | | | | | | | |
|------------------------------------|-------------------------|-------|------|------|------|------|----|-----|----|----|----|----|----|----|
| 360° rotation, counterweight 17.5t | | | | | | | | | | | | | | |
| Working | Standard Boom Length(m) | | | | | | | | | | | | | |
| Radius(m) | 13 | 16 | 19 | 22 | 25 | 28 | 31 | 34 | 37 | 40 | 43 | 46 | 49 | 52 |
| 3.7 | 50 | | | | | | | | | | | | | |
| 4 | 45.8 | 44.2 | | | | | | | | | | | | |
| 4.5 | 38.6 | 38.55 | 36.8 | | | | | | | | | | | |
| 5 | 32.1 | 32 | 31.9 | 30.2 | | | | | | | | | | |
| 5.5 | 27.6 | 27.5 | 27.4 | 27.3 | 26.4 | | | | | | | | | |
| 6 | 24.6 | 24.5 | 24.4 | 24.2 | 24.1 | 22.8 | | &nb | | | | | | |

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