**KR40/50 Modular Rotary Drilling Rig**

### Technical Specification

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Excavator Size (t)</strong></td>
<td>8.13</td>
<td>14.16</td>
<td>20-23</td>
<td>24+</td>
<td></td>
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<tr>
<td>Max. torque (kN.m)</td>
<td>3242</td>
<td>50</td>
<td>50</td>
<td>50</td>
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<tr>
<td>Max. drilling diameter (cm)</td>
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<td>1200</td>
<td>1200</td>
<td>1200</td>
<td>1200</td>
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<tr>
<td>Max. drilling depth (m)</td>
<td>15</td>
<td>15</td>
<td>20</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>Max. crowd pressure (MN)</td>
<td>70</td>
<td>70</td>
<td>75</td>
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<tr>
<td>Max. cylinder stroke (mm)</td>
<td>600</td>
<td>1100</td>
<td>1100</td>
<td>1100</td>
<td>1100</td>
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<tr>
<td>Main winch pull force (kN)</td>
<td>45</td>
<td>65</td>
<td>65</td>
<td>65</td>
<td></td>
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<tr>
<td>Main winch speed (m/min)</td>
<td>30</td>
<td>45</td>
<td>48</td>
<td>45</td>
<td></td>
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<tr>
<td>Auxiliary winch pull force (Optional) (kN)</td>
<td>10</td>
<td>10</td>
<td>10</td>
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<td></td>
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<tr>
<td>Mast inclination (Lateral) (*)</td>
<td>±5</td>
<td>±5</td>
<td>±5</td>
<td>±5</td>
<td></td>
</tr>
<tr>
<td>Mast inclination (Backward and forward) (*)</td>
<td>±60 ~ 30</td>
<td>±50 ~ 30</td>
<td>±40 ~ 30</td>
<td>±20 ~ 30</td>
<td></td>
</tr>
<tr>
<td>Working speed (r/min)</td>
<td>7-30</td>
<td>7-30</td>
<td>7-30</td>
<td>7-30</td>
<td>7-30</td>
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<tr>
<td>Min. turning radius (m)</td>
<td>2750</td>
<td>2800</td>
<td>2950</td>
<td>3500</td>
<td></td>
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<tr>
<td>Max. pilot pressure (MPa)</td>
<td>31.5</td>
<td>31.5</td>
<td>31.5</td>
<td>31.5</td>
<td></td>
</tr>
<tr>
<td>Operating height (m)</td>
<td>7180</td>
<td>9870</td>
<td>9925</td>
<td>11420</td>
<td></td>
</tr>
<tr>
<td>Operating width (m)</td>
<td>2300</td>
<td>2600</td>
<td>2800</td>
<td>3300</td>
<td></td>
</tr>
<tr>
<td>Transport height (m)</td>
<td>3015</td>
<td>2730</td>
<td>3150</td>
<td>3310</td>
<td></td>
</tr>
<tr>
<td>Transport width (m)</td>
<td>2300</td>
<td>2600</td>
<td>2800</td>
<td>3300</td>
<td></td>
</tr>
<tr>
<td>Transport length (m)</td>
<td>7180</td>
<td>10350</td>
<td>11495</td>
<td>12025</td>
<td></td>
</tr>
<tr>
<td>Transport weight (t)</td>
<td>5.4</td>
<td>6.1</td>
<td>6.5</td>
<td>7</td>
<td>7</td>
</tr>
</tbody>
</table>

**Remark:** Restructuring big arm

The specification will be different according to different excavators.

### Overall Dimensions

**KR40**

![Image of KR40 dimensions]

**KR50(16t)**

![Image of KR50(16t) dimensions]

**KR50(21t)**

![Image of KR50(21t) dimensions]
KR80A Rotary Drilling Rig

**PERFORMANCE**
- The leading hydraulic rotary drilling rig with flexible operation and lower oil cost.
- Cooperation with Tianjin University CNC Hydraulic Institute of Technology, which can realize the machine's construction efficiency and real-time monitoring.
- With CE certification, designed in strict accordance with European Union safety standards EN717.
- Weight optimization distribution with higher security and better stability, more safe construction.
- Superior chassis with imported spare parts ensures the best performance of the whole machine.
- Mute overall transport design can improve transport efficiency, saving cost.
- Advanced design of rotary angle displacement output mechanism can get higher precision and reliability.
- Innovative driving bucket depth measurement system can show higher accuracy than make the operation easier.
- The function of bottoming protection can prevent steel wire rope disorder and make the steel wire rope longer life.
- The reversible use of the driving head's chain can extend the service life.

**Technical Specification**
- **Max. torque:** 80 kN·m
- **Max. drilling diameter:** 1000 mm
- **Max. drilling depth:** 23 m (20 m)
- **Speed of rotation:** 0-30 rpm
- **Max. crowd pressure:** 90 kN
- **Max. crowd pull:** 120 kN
- **Main winch line pull:** 80 kN
- **Main winch line speed:** 75 m/min
- **Auxiliary winch line pull:** 35 kN
- **Auxiliary winch line speed:** 40 m/min
- **Stroke (crown system):** 3500 mm
- **Mast inclination (lateral):** ±3°
- **Mast inclination (forward):** ±4°
- **Max. hydraulic pressure:** 34.3 MPa
- **Control hydraulic pressure:** 3.5 MPa
- **Max. travel speed:** 2.8 km/h
- **Max. traction force:** 90 kN
- **Operating height:** 12800 mm
- **Operating width:** 2730 mm
- **Transport width:** 2720 mm
- **Transport length:** 11149/1580 mm
- **Overall weight:** 24 t

**Transport Condition**

<table>
<thead>
<tr>
<th>KR80A Rotary Drilling Rig in Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
</tr>
<tr>
<td><strong>External diameter of each section:</strong></td>
</tr>
<tr>
<td><strong>Depth:</strong></td>
</tr>
</tbody>
</table>

**Rotary System**
- **Rotary speed:** 5 r/min
- **Brake style:** Hydraulic
- **Brake setting:** Manual
- **Rotary test facility:** 4 r/min displacement output mechanism

**Superior Engine Performance**
- High-effective energy-saving diesel engine with turbocharger water-cooled
- Small vibration, Low noise, Low emission
- Excellent fuel system
- Advanced cooling system
- Intelligent control system
- Optimal cost starting device of engine

**Reliable Hydraulic System**
- **Imported REKOTH motor gear reducer**
- **Superior performance, easy maintenance**
- **Imported Kawasaki main pump** with more reliable performance
- **Lightweight and convenient pilot control**

**Comfortable Driving Environment**
- High protection level steel guardrail to prevent falling objects, further ensuring safety in construction
- Superior all-round vision of cab
- Intelligent computer monitoring system
- Spacious operation space equipped with energy-saving air-condition and radio
- Humanized lighting system, making night construction safer

**Working Condition**

**Unique design of luminous tire wheel**

**Auxiliary Equipment of Rotary Drilling Rig (KP315A Hydraulic Pile Breaker)**

Through real constructions, KR80A rotary drilling rig had the following prominent features compared with other brand equipments:

- Obvious advantages in small pile construction: fast, occupying little area, low fuel consumption and easy operation.
- Cooperating with large rotary drilling rig in construction, avoiding the wastes of large rotary drilling rig small piles to reduce the cost.
- The best pile diameter range in construction: 500-1500mm (Max. drilling diameter 1000mm). KR80A rotary drilling rig, compared with other brand 150 type rotary drilling rig, the KR80A rotary drilling rig piles diameter is 280mm and length 30m, KPX315A can completed the construction at the same time in the same geological condition. It can also save more than 30% fuel.

**Kelly Bar**

The cooperation between KPX315A hydraulic pile breaker and rotary drilling rig can achieve the most efficiency in pile foundation construction and has the following features.
- High efficiency, low fuel consumption and low noise.
- Hydraulic operation with no damage to the main piles and piling cap.
- Construction without workers direct touch, applying to the requirements of safe construction in complex terrains.
- The design of jack assembled, achieving convenient transport and construction to improve construction efficiency.
- The design of simple changing mode and general technology can realize quick maintenance and extend the service life.
KR125A Rotary Drilling Rig

**PERFORMANCE**

- The latest overall transport hydraulic rotary drilling rig, can change transport state into working state rapidly.
- High-performance hydraulic system and control system in cooperation with Tianjin University CNC Hydraulic Institute of Technology, which can realize the machines construction efficiently and real-time monitoring.
- High security, designed in strict accordance with European Union safety standards EN791. Meet the requirements of dynamic and static stability.
- Optimized structural of single-cylinder lifting mechanism to make the action stable and easy maintenance and repair.
- Optimized designing of two-stage mast, achieve docking and hoisting of the mast automatically, improve the efficiency and save manpower.
- Advanced rotary, angle displacement output mechanism and the central rotary joint output angular displacement design gets higher reliability.
- Innovative drilling bucket depth measurement system shows higher accuracy than the average.
- Main winch bottoming protection and priority control function, making the operation easier.
- The driving head adopts reversible design to doubled the life.
- Multi-stage damping technology of the driving head to ensure that the whole construction is more accurate.
- Mast automatically adjust the nudge to enhance the accuracy of the hole.
- The innovative design Wado Fire Wheels the innovative design ensure work safer is sightseeing.
- Human nature of the rear design can effectively increases storage space.
- New design of two-stage operation interface can make it more convenient to operate.

**Technical Specification**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. torque</td>
<td>125 kNm</td>
</tr>
<tr>
<td>Max. drilling diameter</td>
<td>1300 mm</td>
</tr>
<tr>
<td>Max. drilling depth</td>
<td>37 m / 43 m</td>
</tr>
<tr>
<td>Speed of rotation</td>
<td>0~80 rpm</td>
</tr>
<tr>
<td>Max. crowd pressure</td>
<td>100 kN</td>
</tr>
<tr>
<td>Max. crowd pull</td>
<td>300 mm</td>
</tr>
<tr>
<td>Main winch line pull</td>
<td>300 mm</td>
</tr>
<tr>
<td>Main winch line speed</td>
<td>78 m/min</td>
</tr>
<tr>
<td>Auxiliary winch line</td>
<td>60 kN</td>
</tr>
<tr>
<td>Auxiliary winch speed</td>
<td>60 m/min</td>
</tr>
<tr>
<td>Stroke (crowd system)</td>
<td>34 mm</td>
</tr>
<tr>
<td>Mast inclination (later)</td>
<td>13°</td>
</tr>
<tr>
<td>Mast inclination (forward)</td>
<td>5°</td>
</tr>
<tr>
<td>Max. hydraulic pressure</td>
<td>34.3 MPa</td>
</tr>
<tr>
<td>Control hydraulic pressure</td>
<td>3.0 kNm</td>
</tr>
<tr>
<td>Max. travel speed</td>
<td>3.0 km/h</td>
</tr>
<tr>
<td>Max. traction force</td>
<td>201 kN</td>
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<tr>
<td>Operating height</td>
<td>14990 mm</td>
</tr>
<tr>
<td>Operating width</td>
<td>2900 mm</td>
</tr>
<tr>
<td>Transport height</td>
<td>3510 mm</td>
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<tr>
<td>Transport width</td>
<td>2900 mm</td>
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<tr>
<td>Transport length</td>
<td>13720 mm</td>
</tr>
<tr>
<td>Overall weight</td>
<td>36 t</td>
</tr>
</tbody>
</table>

**Superior Engine Performance**

- Type: Cummins 6B5.9-C152
- Cylinder number/Cylinder diameter × Stroke / mm: 6 × 152 / 120
- Displacement (L): 9.0
- Rated Power (kW/rpm): 112 / 1500
- Max. Torque / N·m: 514 / 1350

**Reliable Hydraulic System**

- Imported Rexroth motor gear reducer
- Superior performance, easy maintenance
- Imported Kawasaki main pump with more reliable performance
- Lightweight and convenient pilot control

**Comfortable Driving Environment**

- High protection level steel guardrail to prevent falling objects, further ensuring safety in construction
- Superior all-round vision of cab
- Intelligent computer monitoring system
- Spacious operation space equipped with energy-saving air-condition and radio
- Humanized lighting system, making night construction safer

**Working condition**

- In 2009, used in Beijing section of Beijing-Shanghai high speed train, the superiority of overall transport and rapid transfers won the praise of customers.
- KR125A rotary drilling rig was used in Changzhou civil construction project. The solid machine design of KR125A ensured drilling transfer. In the construction of the hard strata, it can effectively drill into the rock. These broke impression and understanding through the numerous customer "small drill cannot drill into rock."
- In 2013, two KR125A rotary drilling rigs with Shanghai Construction Group (SOE) to Tianjin and Tieling well completed three projects (Yinghe, the national children's hospital, the national swimming center) which were funded by China government. Successfully completed over thousand 4,000 piles hole construction. High efficiency and high reliability of the products has been verified by the SCO management team.

**Fuel consumption test**

<table>
<thead>
<tr>
<th>Power (kW)</th>
<th>Fuel consumption (L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>KR125A</td>
<td></td>
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<tr>
<td>3.5</td>
<td>11.8</td>
</tr>
<tr>
<td>6.5</td>
<td>12.0</td>
</tr>
</tbody>
</table>

**Kelly bar**

- Interlocking: 6325 mm, 6650 mm
- Friction: 4×10000, 5×9000

**Rotary System**

- Brake style: pressure relief braking mechanism
- Rotary speed (rpm): 5
- Rotary speed (m/min): 20 / 1.5
- Rotary torque capacity: 1400 kN·m
- Rotary torque capacity (kN·m): 22.5

All above reference values are only for experimental. The difference caused by actual fuel consumption for different conditions.
**KR60C Rotary Drilling Rig with CAT Chassis**

- The leading hydraulic rotary drilling rig with flexible operation and lower oil cost.
- Cooperation with Tianjin University CNC Hydraulic Institute of Technology, which can realize the machine’s construction efficiency and real-time monitor;
- With CE certification, designed in strict accordance with European Union safety standards EN791;
- Weight optimization distribution with higher security and better stability, more safe construction;
- Higher quality CAT chassis ensures the great performance of the whole machine;
- Mature overall transport design can improve transport efficiency, saving cost.

**Technical Specification**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>CAT3054C</td>
</tr>
<tr>
<td>Cylinder diameter x Stroke (mm)</td>
<td>4×105×127</td>
</tr>
<tr>
<td>Displacement (L)</td>
<td>4.4</td>
</tr>
<tr>
<td>Rated power (kW/rpm)</td>
<td>56/1600</td>
</tr>
<tr>
<td>Emission standard</td>
<td>EU1</td>
</tr>
</tbody>
</table>

- Advanced design of rotary angle displacement output mechanism can get higher precision and reliability;
- Innovative drilling bucket depth measurement system can show higher accuracy than make the operation easier;
- The function of main winch priority controlling can make the operation easier;
- The function of boring protection can prevent steel wire rope disorder and make the steel wire rope longer life;
- The reversible use of the driving head’s chain can extend the service life;
- Multi-stage damping technology of the driving head can ensure the whole construction more stable;
- The technology of mast automatic vertically can make the vertical accuracy of the hole higher;
- Optional friction or interlocking Kelly bar according to different geological conditions;
- The humanized design of chassis back can increase storage space efficiently;
- New design of two-stage operating interface can make it more convenient to operate.

**KR90C Rotary Drilling Rig with CAT Chassis**

- The leading hydraulic rotary drilling rig with flexible operation and lower oil cost.
- Cooperation with Tianjin University CNC Hydraulic Institute of Technology, which can realize the machine’s construction efficiency and real-time monitor;
- With CE certification, designed in strict accordance with European Union safety standards EN791;
- Weight optimization distribution with higher security and better stability, more safe construction;
- Higher quality CAT chassis ensures the great performance of the whole machine;
- Mature overall transport design can improve transport efficiency, saving cost.

**Technical Specification**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>CAT3054CA</td>
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<tr>
<td>Cylinder diameter x Stroke (mm)</td>
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<tr>
<td>Displacement (L)</td>
<td>4.4</td>
</tr>
<tr>
<td>Rated power (kW/rpm)</td>
<td>56/1600</td>
</tr>
<tr>
<td>Emission Standard</td>
<td>EU1</td>
</tr>
</tbody>
</table>

- Advanced design of rotary angle displacement output mechanism can get higher precision and reliability;
- Innovative drilling bucket depth measurement system can show higher accuracy than make the operation easier;
- The function of main winch priority controlling can make the operation easier;
- The function of boring protection can prevent steel wire rope disorder and make the steel wire rope longer life;
- The reversible use of the driving head’s chain can extend the service life;
- Multi-stage damping technology of the driving head can ensure the whole construction more stable;
- The technology of mast automatic vertically can make the vertical accuracy of the hole higher;
- Optional friction or interlocking Kelly bar according to different geological conditions;
- The humanized design of chassis back can increase storage space efficiently;
- New design of two-stage operating interface can make it more convenient to operate.

NGV 1st class team
- Crew members perspective
- Extensive experience of 850 rotary drilling rig
- Metallurgical professional services
- Professional sales team
- Professional construction method & export
**KR125C** Rotary Drilling Rig with CAT Chassis

Performance

- The leading hydraulic rotary drilling rig with flexible operation and lower oil cost.
- Cooperation with Tianjin University CNC Hydraulic Institute of Technology, which can realize the machine’s construction efficiency and real-time monitoring.
- With CE certification, designed in strict accordance with European Union safety standards EN791.
- Weight optimization distribution with higher security and better stability, more safe construction.
- Higher quality CAT chassis ensures the great performance of the whole machine.
- Mute overall transport design can improve transport efficiency, saving cost.

- Advanced design of rotary angle displacement output mechanism can get higher precision and reliability.
- Innovative drilling bucket depth measurement system can show higher accuracy than the average rig.
- The function of main wrench priority controlling can make the operation easier.
- The function of bottoming protection can prevent steel wire rope disorder and make the steel wire rope longer life.
- The reversible use of the driving head’s chain can extend the service life.
- Multi-stage damping technology of the driving head can ensure the whole construction more stable.
- The technology of mast automatic verticality can make the vertical accuracy of the hole higher.
- Optional friction or interlocking Kelly bar according to different geological conditions.
- The humanized design of chassis back can increase storage space efficiently.
- New design of two-stage operating interface can make it more convenient to operate.

**Technical Specification**

| Max. torque | CAT C7.1 |
| Max. drilling depth | 37 m / 43 m |
| Speed of rotation | 8 – 30 rpm |
| Max. crown pressure | 100 kN |
| Max. crown pull | 150 kN |
| Main winch line pull | 110 kN |
| Main winch line speed | 76 m/min |
| Auxiliary winch line pull | 60 m/min |
| Auxiliary winch line speed | 60 m/min |
| Stroke (crown system) | 3200 mm |
| Mast inclination (lateral) | ±3° |
| Mast inclination (forward) | 5° |
| Max. hydraulic pressure | 35 MPa |
| Max. travel speed | 3.2 km/h |
| Max. traction force | 200 kN |
| Operating height | 14000 mm |
| Operating width | 3000 mm |
| Transport height | 3000 mm |
| Transport width | 3000 mm |
| Transport length | 13825 mm |
| Overall weight | 35 t |

**KR150C** Rotary Drilling Rig with CAT Chassis

Performance

- The leading overall transport hydraulic rotary drilling rig can change transport state into working state rapidly.
- High-performance hydraulic system and control system in cooperation with Tianjin University CNC Hydraulic Institute of Technology, which can realize the machine’s efficiency and real-time monitoring.
- High security, designed in strict accordance with European Union safety standards EN791. Meet the requirements of dynamic and static stability.

- Advanced design of rotary angle displacement output mechanism and central rotary joint output angular displacement can get higher reliability.
- Innovative drilling bucket depth measurement system can show higher accuracy than the average rig.
- The function of main wrench priority controlling can make the operation easier.
- The reversible use of the driving head’s chain can extend the service life.
- Multi-stage damping technology of the driving head can ensure the whole construction more stable.
- The technology of mast automatic verticality can make the vertical accuracy of the hole higher.
- The innovative design of luminous hot wheel can ensure construction in night more safer.
- The humanized design of chassis back can increase storage space efficiently.
- New design of two-stage operating interface can make it more convenient to operate.

**Technical Specification**

| Model | CAT-620 |
| Max. torque | 150 kN m |
| Max. drilling depth | 52 m |
| Speed of rotation | 7 – 18 rpm |
| Max. cylinder pressure | 100 kN |
| Max. hoist capacity | 150 kN |
| Man winch pull force | 110 kN |
| Man winch speed | 78 m/min |
| Auxiliary winch pull force | 60 kN |
| Auxiliary winch speed | 60 m/min |
| Max. cylinder stroke | 2200 mm |
| Mast inclination (lateral) | ±3° |
| Mast inclination (forward) | 5° |
| Max. operating pressure | 35 MPa |
| Pilot pressure | 3.9 MPa |
| Max. moving speed | 2.9 km/h |
| Max. tractive force | 400 kN |
| Operating height | 18000 mm |
| Operating width | 4200 mm |
| Transport height | 3500 mm |
| Transport width | 3000 mm |
| Transport length | 13070 mm |
| Overall weight | 43 t |
### KR80M Multi-function Rotary Drilling Rig

**PERFORMANCE**
- The leading self-propelled hydraulic long spiral drilling rig can change transport state into working state rapidly.
- High-performance hydraulic system and control system which is developed by TYSIM and Tianjian University CNC Hydraulic Institute of Technology ensure the machine efficient construction and real-time monitor.
- High security according to European Union safety standards EN791 design meets the requirement of dynamic and static stability and promises construction safety.
  - With concrete volume display system can realize the precise construction and measurement;
  - The innovative depth measurement system has higher precision than ordinary rig;
  - All-hydraulic power head construction the output torque is stable and smooth;
  - Power head can change torque according to the needs of construction which enhances higher efficiency;
  - Mast automatically adjusts the vertical to enhance the accuracy of the hole;
  - The innovative design Wind-fire Wheels ensures work safer in nighttime;
  - The Humanized rear design can increase storage space effectively;
  - The new design of the secondary interface makes the operation more convenient.

#### Technical Parameters
- **Max. torque**: 80 kN·m
- **Max. drilling diameter**: 1 m
- **Max. drilling depth**: 22 m

#### Technical Parameters
- **Max. drilling diameter**: 600 mm
- **Max. drilling depth**: 12 m

#### Technical Parameters
- **Max. impact height**: 7.5 m
- **Max. clamping force**: 556 kN
- **Max. pulling pile force**: 120 kN
- **Max. impact force**: 343 kN

#### CFA/Rotary Drilling Rig Technical Parameters
- **Main winch pull force**: 140 kN
- **Auxiliary winch pull force**: 35 kN
- **Max. stroke**: 5000 mm
- **Max. crowd pressure**: 120 kN
- **Operating height**: 15000 mm
- **Operating width**: 2700 mm
- **Transport height**: 3250 mm
- **Transport width**: 2700 mm
- **Transport length**: 11480 mm
- **Overall weight**: 24 t

#### Excellent Engine Performance
- **Motor type**: ComminsB3.5-C
- **Type**: Water-cooling, 4 Cylinders inline Turbocharger
- **Cylinder NO*Bore*Stroke**: 4x102x120
- **Displacement**: 3.9
- **RPM**: 8000
- **Max. torque**: 447/1500

### KR125M CFA Rotary Drilling Rig

**PERFORMANCE**
- The leading self-propelled hydraulic long spiral drilling rig can change transport state into working state rapidly.
- High-performance hydraulic system and control system which is developed by TYSIM and Tianjian University CNC Hydraulic Institute of Technology ensure the machine efficient construction and real-time monitor.
- High security according to European Union safety standards EN791 design meets the requirement of dynamic and static stability and promises construction safety.
  - With concrete volume display system can realize the precise construction and measurement;
  - The innovative depth measurement system has higher precision than ordinary rig;
  - All-hydraulic power head construction the output torque is stable and smooth;
  - Power head can change torque according to the needs of construction which enhances higher efficiency;
  - Mast automatically adjusts the vertical to enhance the accuracy of the hole;
  - The innovative design Wind-fire Wheels ensures work safer in nighttime;
  - The Humanized rear design can increase storage space effectively;
  - The new design of the secondary interface makes the operation more convenient.

#### CFA Long Spiral Construction Method
- **Max. drilling depth**: 15 m
- **Max. diameter**: 790 mm
- **Max. winch line pull**: 200 kN
- **Max. torque**: 125 kN
- **CFA overall weight**: 32.5 t

#### Winch
- **Main winch line diameter**: 24 mm
- **Max. auxiliary winch line pull**: 60 kN
- **Max. auxiliary winch line speed**: 60 m/min
- **Auxiliary winch line diameter**: 14 mm

#### Mast
- **Forward inclination**: ±3°
- **Lateral inclination**: ±3°

#### Chassis
- **Chassis type**: JCM
- **Engine type**: Commins 6B5.9-C162
- **Engine power rating/rotate speed**: 712 kw
- **Max. pressure**: 34.3 Mpa
- **Max. flow**: 242 L/min
- **Pilot pressure**: 3.9 Mpa
- **Track shoe width**: 700 mm
- **Operating height**: 18200 mm
- **Transport length**: 13720 mm
- **Transport width**: 2900 mm
- **Transport height**: 3550 mm
- **Tracttion force**: 201 kN

![Image of KR80M and KR125M Drilling Rigs]