



SR285R

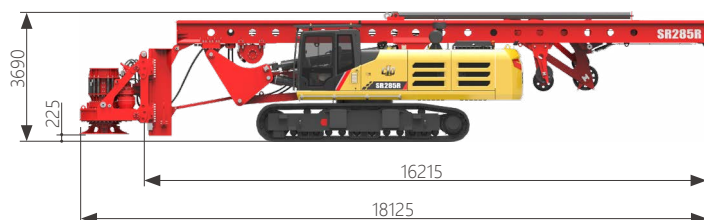
SANY®

| Main performances | Unit | Parameter | Remark |
|--------------------------|--------|-----------------|--------|
| Pile | | | |
| Max. drilling diameter | mm | 2300 | |
| Max. drilling depth | m | 94/61 | ① |
| Rotary drive | | | |
| Rated output torque | kN·m | 285 | |
| Rotation speed | rpm | 5~24 | |
| Crowd system | | | |
| Crowd force | kN | 260 | |
| Line pull | kN | 335 | |
| Stroke | mm | 6000 | |
| Main winch | | | |
| Lifting capacity | kN | 330 | |
| Wire rope diameter | mm | 36 | |
| Max. line speed | m/min | 72 | |
| Auxiliary winch | | | |
| Lifting capacity | kN | 90 | |
| Wire rope diameter | mm | 20 | |
| Max. line speed | m/min | 70 | |
| Mast inclination | | | |
| Forward/backward | ° | 5/90 | |
| Lateral | ° | ±4 | |
| Main Chassis | | | |
| Base engine | / | 6WG1 | ISUZU |
| Engine power | kW/rpm | 300/1800 | |
| Exhaust emission | / | China Stage III | |
| Engine displacement | L | 15.68 | |
| Width retracted/extended | mm | 3460-4760 | |
| Track shoe width | mm | 800 | |
| Swing radius | mm | 4530 | |
| Overall machine | | | |
| Overall height | mm | 25425 | |
| Operating weight | t | 100 | |
| Transport width | mm | 3490 | |
| Transport height | mm | 3690 | |
| Transport length | mm | 18125 | |

①: Friction kelly / inter-locking kelly

| Kelly bar | | Weight(kg) | Depth(m) | Option |
|---------------------|-----------|------------|----------|----------|
| Inter-locking kelly | Φ508×3×17 | 13600 | 46 | Standard |
| | Φ508×4×16 | 13400 | 57 | |
| | Φ508×4×17 | 14100 | 61 | |
| Friction kelly | Φ508×6×16 | 15000 | 88 | |
| | Φ508×6×17 | 15800 | 94 | |

Note: Drilling depth with bucket 1000 mm long



SUITABLE FOR BOTH SOIL AND ROCK, INTELLIGENT AND EFFICIENT

SR285R is widely used in medium-sized construction of housing, bridge, municipal projects and stadium. It has great ability on drilling soil, pebble, rock and other mixed layers.

High efficiency: the best-selling model in medium-sized rotary drilling rigs. Equipped with the 6th generation Kelly bar with integral locking device, upgraded material and reinforced ring, the drilling efficiency increased by 10%.

Economy: adopt power optimized control technology, adjust power distribution in real time, smooth compound action and fast speed; high utilization and low consumption.

Step winch: single layer wire rope winding on main winch drum, no extrusion wear between the ropes, and increase service life by 35%.

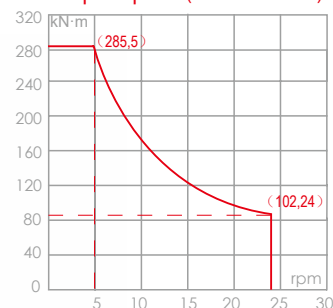
High reliability: adopt anti-vibration technology in rock drilling construction, fatigue resistance and long service life. Motor and reducer with high configuration and large reserve factor can meet severe working conditions.

Intelligent control: HD touch screen, 3s refresh rate, smooth screen. EVI mobile APP can realize remote monitoring in real time, one-click order and group management.

Convenient maintenance: the driving key of rotary drive set on the upper side, facilitates maintenance and replacement; connect a hose to drain port on rotary drive reducer for easy maintenance; double flaps provide large maintenance space.

Safety: 360° full-view monitoring, sound and light warning function.

Torque-Speed (standard mode)



Torque-Pressure (rock drilling mode)

