

Main performances	Unit	Parameter	Remark
<b>Pile</b>			
Max. drilling diameter	mm	2300	
Max. drilling depth	m	94/61	①
<b>Rotary drive</b>			
Rated output torque	kN·m	285	
Rotation speed	rpm	5~24	
<b>Crowd system</b>			
Crowd force	kN	260	
Line pull	kN	335	
Stroke	mm	6000	
<b>Main winch</b>			
Lifting capacity	kN	330	
Wire rope diameter	mm	36	
Max. line speed	m/min	72	
<b>Auxiliary winch</b>			
Lifting capacity	kN	90	
Wire rope diameter	mm	20	
Max. line speed	m/min	70	
<b>Mast inclination</b>			
Forward/backward	°	5/90	
Lateral	°	±4	
<b>Main Chassis</b>			
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	
<b>Overall machine</b>			
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%.

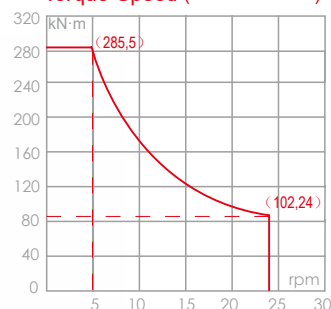
**High reliability:** adopt anti-vibration technology in rock drilling construction, fatigue resistance and long service life. Motor and reducer with high configuration and large reserve factor can meet severe working conditions.

**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)

