



SANY
我们的深度决定世界的高度
Our drilling depth determines the height of the world



crd

SR285R

2020 Rotary Drilling Rig

Strong rock drilling ability & High efficiency



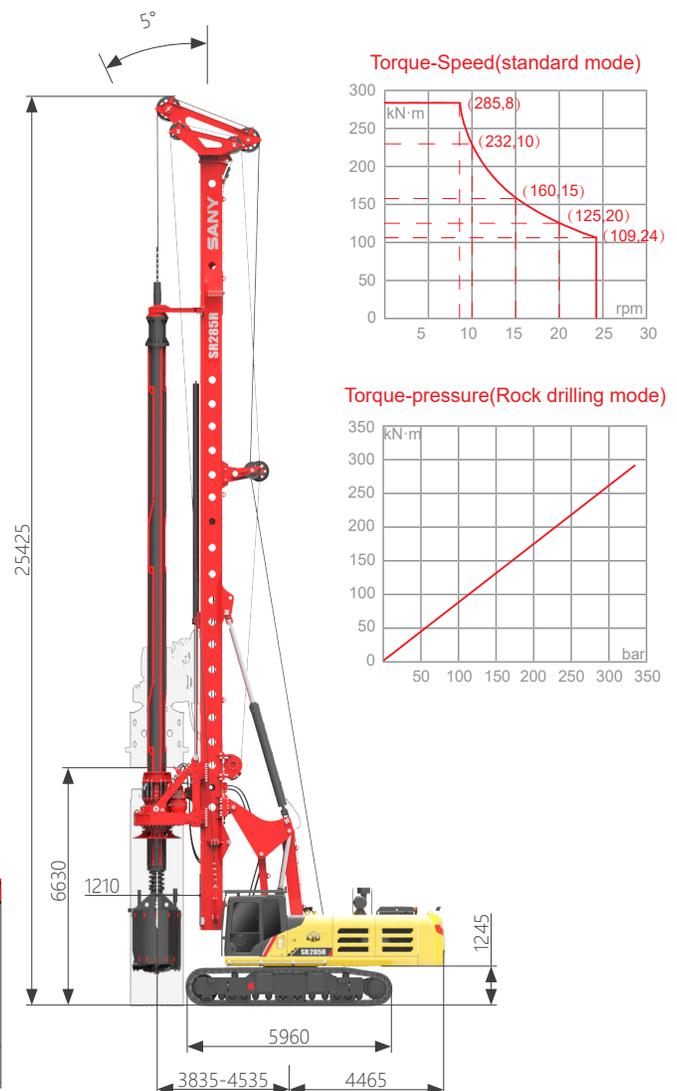
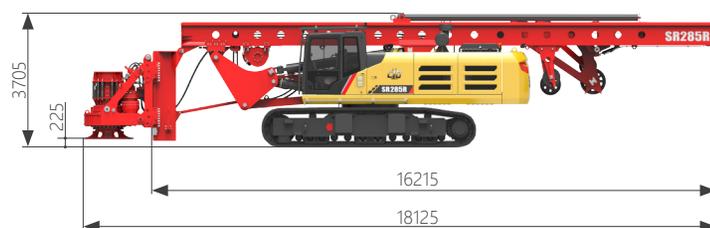
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- Max. drilling diameter 2.3m
- Max. drilling depth 94/61m
- Rated output torque 285kN·m
- Engine power 300kW/1800rpm

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	/	ISUZU 6WG1	
Engine power	kW/rpm	300/1800	
Emission regulation	/	COMⅢ	
Engine displacement	L	15.68	
Chassis length	mm	7475	
Extension width	mm	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	

①: friction kelly depth / interlocking kelly depth

Kelly bar	Weight(Kg)	Depth(m)	Option
Inter-locking kelly	Φ 508 × 3 × 15	13900	Standard
	Φ 508 × 4 × 16	13100	
	Φ 508 × 4 × 17	13700	
Friction kelly	Φ 508 × 6 × 16	15300	Standard
	Φ 508 × 6 × 17	15900	



High-efficiency in rock drilling: The medium-sized Sany rotary drilling rig with the largest sales volume, equipped with the newly upgraded sixth-generation Kelly bar of integral locking device, upgraded materials, and reinforced rings, etc., to make rock layers construction capacity improved by 10%.

Economy and energy saving: Adopt power optimization control technology to realize power distribution in real time, excellent compound action response time; high fuel efficiency and low fuel consumption.

Step drum: Single layer wire rope winding for interlock Kelly bar; free of mutual extrusion and wear to increase service life by 35%.

High reliability: High standard design for mast and luffing boom to make it more strong and durable, no cracking in 20,000 hours operation test. High configuration reducer with large torque to guarantee high efficiency, safer operation and wider working scope.

Intelligent upgrade: HD touch screen, 3ms refresh frequency, smooth animation display.

Convenient maintenance: The external driving key of rotary drive facilitates maintenance and replacement; the main winch wire rope end is fixed by wedge easy to disassemble and assemble. The special lubrication point connected with outlet hose to facilitate butter injection.

Safe and secure: 360° full-field monitoring, sound and light alarm.