



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

H10

SR415R

2020 Rotary Drilling Rig

Large hole & deep pile
High stability



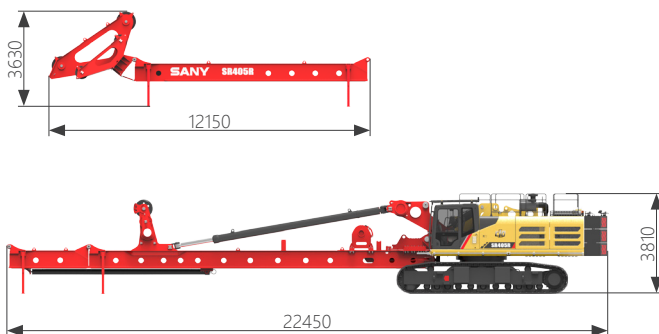
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- Max. drilling diameter 3.0m
- Max. drilling depth 110/90m
- Rated output torque 415kN·m
- Engine power 377kW/1800rpm

Main performances	Unit	Parameter	Remark
Pile			
Max. drilling diameter	mm	3000	
Max. drilling depth	m	110/90	①
Rotary drive			
Rated output torque	kN · m	415	
Rotation Speed	rpm	4~23	
Crowd system			
Crowd force	kN	360	
Line pull	kN	360	
Stroke	mm	6000	
Main winch			
Lifting capacity	kN	520	
Wire rope diameter	mm	40	
Max. line speed	m/min	63	
Auxiliary winch			
Lifting capacity	kN	90	
Wire rope diameter	mm	20	
Max. line speed	m/min	70	
Mast inclination			
Forward/backward	°	90/15	
Lateral	°	±3	
Main Chassis			
Base engine	/	ISUZU 6WG1	
Engine power	kW/rpm	377/1800	
Emission regulation	/	COM III	
Engine displacement	L	15.68	
Chassis length	mm	8040	
Extension width	mm	4900	
Track shoe width	mm	800	
Swing radius	mm	4700	
Overall machine			
Overall height	mm	29700	
Operating weight	t	145	
Transport width	mm	3600	
Transport height	mm	3805	

①: friction kelly depth / interlocking kelly depth

Kelly bar	Weight(Kg)	Depth(m)	Option
Inter-locking kelly	Φ580 × 4 × 19	20200	Standard
	Φ580 × 4 × 20	20100	
	Φ580 × 5 × 20	23100	
Friction kelly	Φ580 × 6 × 19	21900	Standard
	Φ580 × 6 × 20	23000	



Heavy load construction: The classic big triangle structure drilling machine with well-designed center of gravity, high overall strength, meet the requirements of 3 meters diameter and 112 meters depth simultaneously.

Strong drilling ability: The new sixth-generation 580 Kelly bar, integrated locking device, upgraded material and strengthening ring, the strength is increased by 25%. Crowd force, torque, lifting force and other core capabilities perfectly matched to realize efficient drilling of hard rock, deep hole and large pile.

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 comprehensive fuel consumption, fuel consumption reduced by 10%~15%.

High reliability: Large professional chassis, thick steel plate welding, large width of crawlers, stable and reliable; professional structure parts for rock drilling, anti-vibration, anti-damage, anti-crack; single-layer large diameter drum, no extrusion between the rope, no wear and tear, longer service life.

Intelligent upgrade:

- 1) High-definition touch screen, 3 milliseconds refresh frequency, smooth animation display.
- 2) With the patented technology of locking device visualization, locking and unlocking process can be accurately displayed; reduce wear and eliminate Kelly bar accidents. SANY owns the patent of this technology.

Easy maintenance and service: Standard automatic centralized lubrication system, fixed-point and quantitative maintenance, saving labor and reducing cost. Cylinder pressure, pressure more stable, easy to operate. Combined counterweight facilitates disassembly and transportation.

