

H10

SR405R

2020 Rotary Drilling Rig

**Large hole & deep pile
Easy to operate**



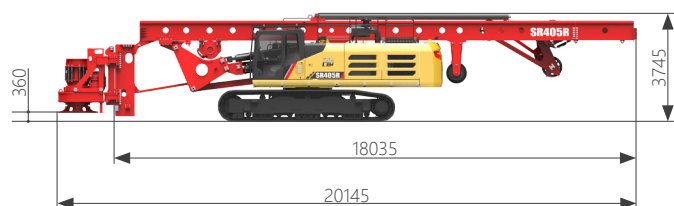
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- Max. drilling diameter 2.8m
- Max. drilling depth 106/69m
- Rated output torque 405kN·m
- Engine power 377kW/1800rpm

Main performances	Unit	Parameter	Remark
Pile			
Max. drilling diameter	mm	2800	
Max. drilling depth	m	106/69	①
Rotary drive			
Rated output torque	kN · m	405	
Rotation Speed	rpm	5~23	
Crowd system			
Crowd force	kN	320	
Line pull	kN	335	
Stroke	mm	6000	
Main winch			
Lifting capacity	kN	400	
Wire rope diameter	mm	36	
Max. line speed	m/min	75	
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	7825	
Extension width	mm	4860	
Track shoe width	mm	800	
Swing radius	mm	4700	
Overall machine			
Overall height	mm	27420	
Operating weight	t	122	
Transport width	mm	3550	
Transport height	mm	3745	

①: friction kelly depth / interlocking kelly depth

Kelly bar	Weight(Kg)	Depth(m)	Option
Inter-locking kelly	Φ530 × 3 × 15	14300	Standard
	Φ530 × 4 × 18	17300	
	Φ530 × 4 × 19	18100	
Friction kelly	Φ530 × 6 × 18	18300	
	Φ530 × 6 × 19	19200	



Large construction capacity: Expert in large-diameter deep borehole construction with the maximum drilling diameter 2.8 meters and the maximum drilling depth 106 meters; main winch with large lifting force to ensure stable operation.

Fast construction speed: The 377kW high-power engine matches the A8V large displacement main pump. The speed of main winch, rotary drive and swing fast, construction efficiency is increased by more than 17%.

High reliability: The structural parts adopt impact, fatigue resistance technology in rock drilling, single layer wire rope winding for interlocking Kelly bar; free of mutual extrusion and wear in wire rope layers to increase service life by 35%.

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%.

Intelligent upgrade:

1) HD touch screen, 3ms refresh frequency, smooth animation display.

2) SANY patented locking device visualization technology can accurately display the process of locking and unlocking, reduce wear and Kelly bar accidents..

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.

