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HK

SR405R

2022 ROTARY DRILLING RIG

- Max. drilling diameter 2.8m
- Max. drilling depth 103m
- Rated output torque 405kN·m
- Engine power 377kW/1800rpm



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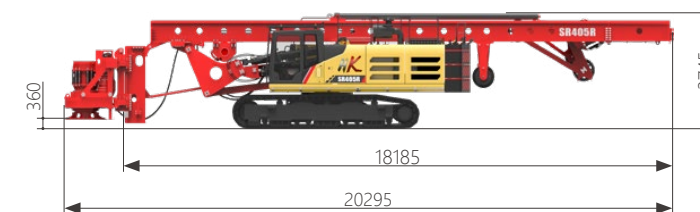
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Main performances	Unit	Parameter	Remark
Pile			
Max. drilling diameter	mm	2800	
Max. drilling depth	m	103/84	①
Rotary drive			
Rated output torque	kN·m	405	
Rotation speed	rpm	5~25	
Crowd system			
Crowd force	kN	340	
Line pull	kN	380	
Stroke	mm	6000	
Main winch			
Lifting capacity	kN	400	
Wire rope diameter	mm	36	
Max. line speed	m/min	75	
Auxiliary winch			
Lifting capacity	kN	105	
Wire rope diameter	mm	20	
Max. line speed	m/min	70	
Mast inclination			
Forward/backward	°	4/90	
Lateral	°	±3	
Main Chassis			
Base engine	/	6WG1	ISUZU
Engine power	kW/rpm	377/1800	
Exhaust emission	/	China Stage III	
Engine displacement	L	15.68	
Extension width	mm	4900	
Track shoe width	mm	800	
Swing radius	mm	4700	
Overall machine			
Overall height	mm	27700	
Operating weight	t	131	
Transport width	mm	3550	
Transport height	mm	3745	
Transport length	mm	20295	

①: Friction kelly / inter-locking kelly

Kelly bar	Weight(Kg)	Depth(m)	Option
Inter-locking kelly	Φ580×4×16	17200	Standard
	Φ580×4×18	19400	
	Φ580×4×19	20200	
	Φ580×5×18	21000	
	Φ580×5×19	22000	
Friction kelly	Φ580×6×18	20500	
	Φ580×6×19	21400	

Note: Drilling depth with bucket 1000 mm long



LARGE HOLE EXPERT, HIGH EFFICIENCY AND RELIABLE IN ROCK DRILLING

SR405R is designed for large pile foundation construction with large drilling diameter and depth, such as housing, bridge, high-speed railway and highway. It is suitable for various complex geological conditions.

High rock drilling ability: it is designed for rock drilling conditions with high standard. With large torque and crowd force, it has great rock drilling ability. The low gravity center and large crawler width ensure more stability.

Strong power: adopt powerful engine with large power and displacement; the power is distributed in real time and can be output continuously to meet the rock drilling conditions. It can also improve efficiency to reduce fuel loss and fuel cost.

Stable and reliable: adopt box mast and double-boom derricking mechanism, which has strong load bearing ability; only single layer wire rope winding on main winch drum for interlocking bar, no extrusion wear between the ropes, long service life, low cost.

Intelligent control: HD touch screen, fast response, easy to operate; five automation functions, reduce operation intensity and fatigue; the EVI APP supports remote real-time monitoring and group management. Locking device display function is optional.

Convenient maintenance: the counterweight consists of several parts, secured with pins and free of adjusting and looseness. It is also easy for assembly and disassembly. Equipped with central lubrication, saves time and effort.

