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Quality Changes the World

SR215



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# SR215

## 2022 ROTARY DRILLING RIG



- Max. drilling diameter 1.8m
- Max. drilling depth 64m
- Rated output torque 220kN·m
- Engine power 212kW/2000rpm



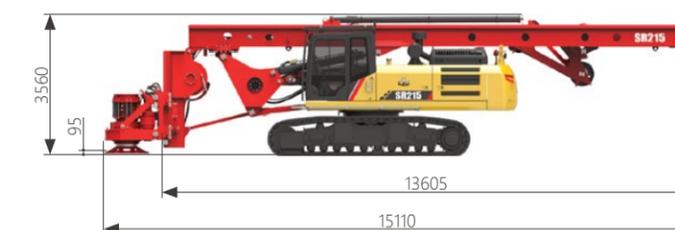
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Main performances	Unit	Parameter	Remark
<b>Pile</b>			
Max. drilling diameter	mm	1800	
Max. drilling depth	m	64/51	①
<b>Rotary drive</b>			
Rated output torque	kN·m	220	
Rotation speed	rpm	5~30	
<b>Crowd system</b>			
Crowd force	kN	180	
Line pull	kN	190	
Stroke	mm	4200	
<b>Main winch</b>			
Lifting capacity	kN	220	
Wire rope diameter	mm	28	
Max. line speed	m/min	75	
<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	°	±3	
<b>Main Chassis</b>			
Base engine	/	6HK1	ISUZU
Engine power	kW/rpm	212/2000	
Exhaust emission	/	China Stage III	
Engine displacement	L	7.79	
Extension width	mm	4150	
Track shoe width	mm	700	
Swing radius	mm	3805	
<b>Overall machine</b>			
Overall height	mm	21040	
Operating weight	t	65	
Transport width	mm	3210	
Transport height	mm	3560	
Transport length	mm	15110	

①: Friction kelly / inter-locking kelly

Kelly bar	Weight(Kg)	Depth(m)	Option
Inter-locking Φ419×4×13	8600	47	
kelly Φ419×4×14	9200	51	
Friction kelly Φ419×5×14	8900	64	Standard

Note: Drilling depth with bucket 1000 mm long



### EXPERT AT SMALL HOLE AND HARD PILE, CAPABILITY UPGRADE

SR215 is suitable for small hole and deep pile foundation of civil construction and municipal engineering. The construction capacity is stronger for hard soil layer, pebble layer and fully weathered stratum. **High efficiency and flexibility:** the large torque enables hard rock drilling ability, fast construction speed, high hole forming efficiency, fast and smooth compound action.

**Economy and energy saving:** equipped with the durable engine proven by the market; SANY self-developed power control technology can distribute the power in real time, enables fast response speed and low fuel consumption.

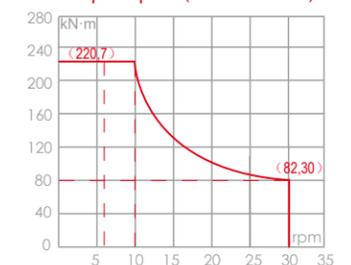
**Small hole & hard pile:** rotary drive with large torque and strong crowd force enhances the strong drilling ability in hard layer; the newly developed Φ 419 Kelly bar is more reliable in hard strata such as pebble layer and weathered rock layer.

**High reliability:** the structure parts with high design standard has passed the system test; no crack and no deformation, reduce maintenance cost.

**Intelligent control:** 10-inch HD touch screen, fast response time, animation without delay, user-friendly interface, more convenient for operation; EVI mobile exclusive APP supports remote real-time monitoring for the equipment states and construction, one-click service call and group management, etc.

**Convenient maintenance:** the double maintenance flaps provide more maintenance space and facilitate maintenance and service.

Torque-Speed(standard mode)



Torque-pressure(Rock drilling mode)

