



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

CI

SR205

2020 Rotary Drilling Rig

Small hole & deep  
Pile energy saving



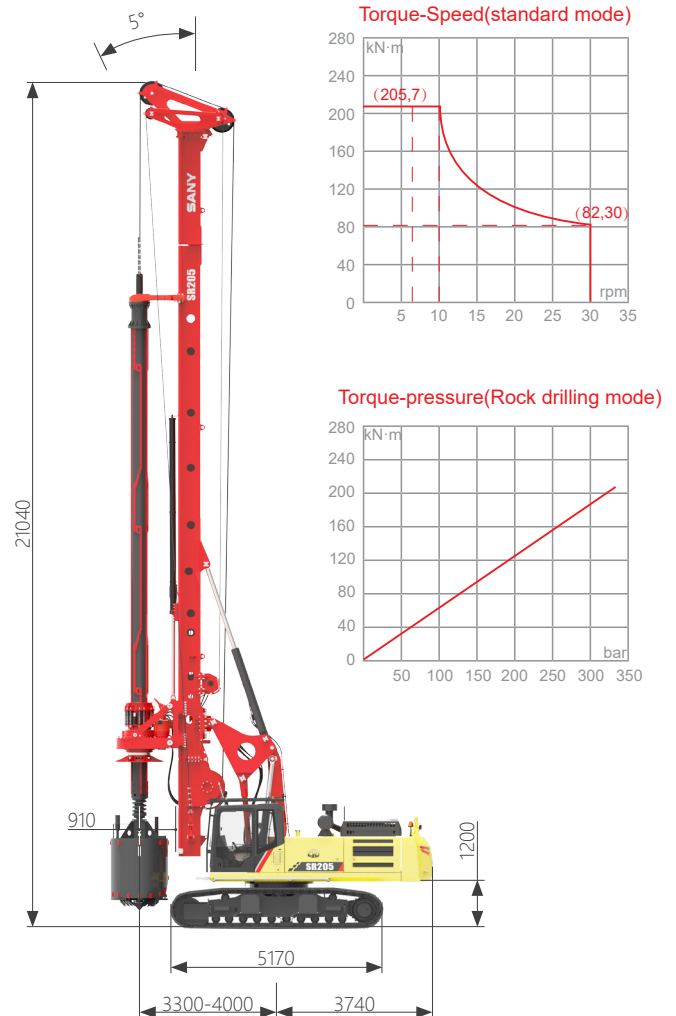
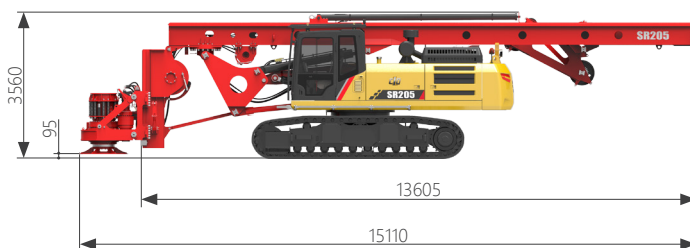
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- Max. drilling diameter 1.8m
- Max. drilling depth 64/51m
- Rated output torque 205kN·m
- Engine power 212kW/2000rpm

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	205	
Rotation Speed	rpm	5-30	
<b>Crowd system</b>			
Crowd force	kN	165	
Line pull	kN	160	
Stroke	mm	4200	
<b>Main winch</b>			
Lifting capacity	kN	185	
Wire rope diameter	mm	28	
Max. line speed	m/min	75	
<b>Auxiliary winch</b>			
Lifting capacity	kN	80	
Wire rope diameter	mm	20	
Max. line speed	m/min	75	
<b>Mast inclination</b>			
Forward/backward	°	5/90	
Lateral	°	±3	
<b>Main Chassis</b>			
Base engine	/	6HK1	
Engine power	kW/rpm	212/2000	
Emission regulation	/	COM III	
Engine displacement	L	7.79	
Chassis length	mm	6380	
Extension width	mm	4150	
Track shoe width	mm	700	
Swing radius	mm	3805	
<b>Overall machine</b>			
Overall height	mm	21040	
Operating weight	t	63	
Transport width	mm	3210	
Transport height	mm	3560	

①: friction kelly depth / interlocking kelly depth

Kelly bar	Weight(Kg)	Depth(m)	Option
Inter-locking kelly	Φ406 × 4 × 13	8200	47
	Φ406 × 4 × 14	8600	51
Friction kelly	Φ406 × 5 × 13	8100	59
	Φ406 × 5 × 14	8600	64



**Efficient and flexible:** Widely used in small dia. & deep borehole construction in civil engineering, high main hoist lifting up and down speed, high verticality of finished borehole, high working efficiency in civil construction.

**Special chassis:** Telescopic large widening chassis designed for rotary drilling rig, roller type large diameter slewing bearing to guarantee the high stability in deep borehole construction.

**Economical and energy-saving:** Imported large-displacement EFI engine with strong power, adopts power optimization control technology, adjusts power distribution in real time, fast response speed, higher fuel efficiency and more energy-saving.

**High reliability:** The mast adopts box structure with strong resistance to torsion and fatigue; designed service life more than 20000 hrs.

**Drilling upgrade:** Adopting sixth generation kelly bar with upgraded material and strengthened block ring, the overall strength increased by 25% with high drilling ability in strongly weathered rock layer.

**Intelligent upgrade:** 10-inch HD touch screen, fast response and more convenient operation.