SANY

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



SR155

2020 Rotary Drilling Rig

Flexible
Easy to operate

Follow us on Wechat and contact us
Support hotline. 4006 09 8318
Email: crd@sany.com.cn

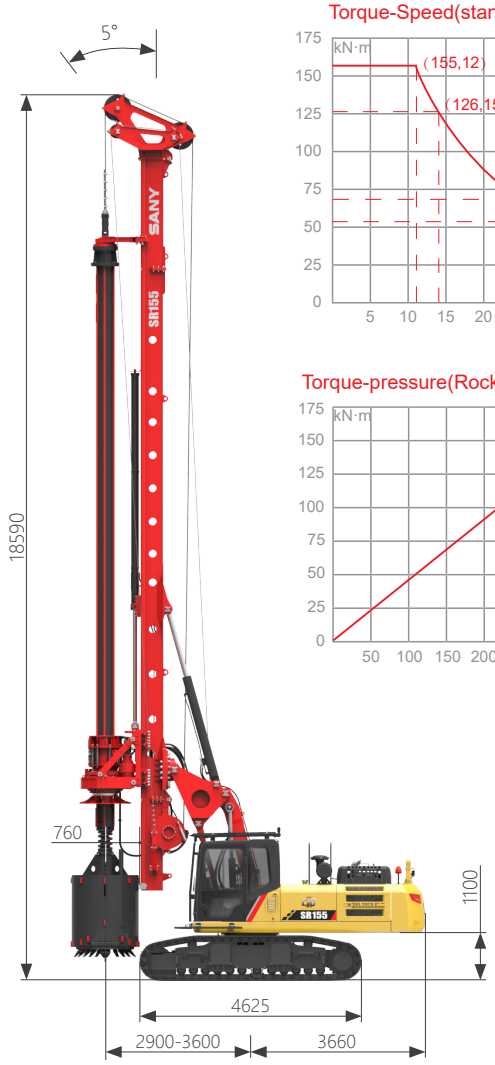
- Max. drilling diameter 1.5m
- Max. drilling depth 56/44m
- Rated output torque 155kN·m
- Engine power 147kW/2100rpm

Main performances	Unit	Parameter	Remark
Pile			
Max. drilling diameter	mm	1500	
Max. drilling depth	m	56/44	①
Rotary drive			
Rated output torque	kN · m	155	
Rotation Speed	rpm	5~35	
Crowd system			
Crowd force	kN	155	
Line pull	kN	160	
Stroke	mm	4200	
Main winch			
Lifting capacity	kN	160	
Wire rope diameter	mm	26	
Max. line speed	m/min	80	
Auxiliary winch			
Lifting capacity	kN	60	
Wire rope diameter	mm	14	
Max. line speed	m/min	75	
Mast inclination			
Forward/backward	°	5/90	
Lateral	°	±3	
Main Chassis			
Base engine	/	D06FR	Mitsubishi
Engine power	kW/rpm	147/2100	
Emission regulation	/	COM Ⅲ	
Engine displacement	L	6.373	
Chassis length	mm	5975	
Extension width	mm	4100	
Track shoe width	mm	700	
Swing radius	mm	3715	
Overall machine			
Overall height	mm	18590	
Operating weight	t	48	
Transport width	mm	3140	
Transport height	mm	3265	

①: friction kelly depth / interlocking kelly depth

Kelly bar		Weight(Kg)	Depth(m)	Option
Inter-locking kelly	Φ377×4×11	6100	40	
	Φ377×4×12	6600	44	
Friction kelly	Φ377×4×12	6100	44	
	Φ377×5×12	5800	56	Standard

High efficiency and flexibility: Suitable for the construction of small and medium-sized soil layer boreholes. High main winch lifting speed and boreholes verticality, flexible operation, working efficiency higher than similar models of competitor by15%.
Economical fuel saving: Using power optimization control technology, real-time adjustment of power distribution, quick response, high fuel efficiency, comprehensive energy saving by10% to 15%.
High reliability: The mast adopts box structure with strong resistance to torsion and fatigue; sixth generation kellybar adopting upgraded material and strengthened block ring, the overall strength increased by 25% with high drilling ability in strongly weathered rock layer.
Convenient transportation: The whole machine size is small, only 48T in weight, barrier free in city transportation and meet height limit.
Intelligent upgrade: 10-inch HD touch screen, fast response and more convenient operation.



Torque-Speed(standard mode)

Torque-pressure(Rock drilling mode)

