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SR185



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# SR185

2022 ROTARY DRILLING RIG



- Max. drilling diameter 1.8m
- Max. drilling depth 59m
- Rated output torque 190kN·m
- Engine power 212kW/2000rpm



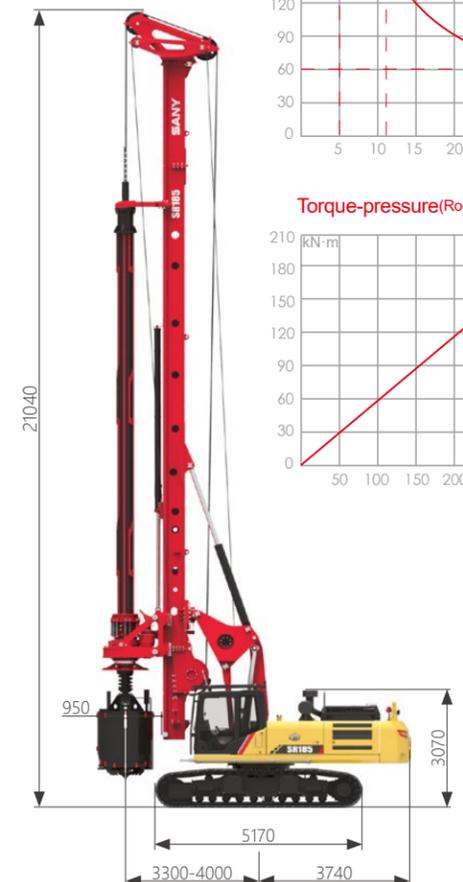
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Main performances	Unit	Parameter	Remark
<b>Pile</b>			
Max. drilling diameter	mm	1800	
Max. drilling depth	m	59/47	①
<b>Rotary drive</b>			
Rated output torque	kN·m	190	
Rotation speed	rpm	5~34	
<b>Crowd system</b>			
Crowd force	kN	180	
Line pull	kN	180	
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	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	63	
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 kelly	Φ406×4×13 8200	47	Standard
Friction kelly	Φ406×5×13 8100	59	

Note: Drilling depth with bucket 1000 mm long



## SMALL PILE EXPERT HIGH COST PERFORMANCE

SR185 is suitable for small and medium-sized pile foundation projects in high-rise buildings and municipal constructions. Featured with high stability, high efficiency and reliable quality, it has excellent performance in drilling soil layer, pebble layer and fully weathered conditions.

**Efficient construction:** the machine is flexible during construction and the compound action is smooth; large rotary drive torque and strong soil dumping ability enhance the hard soil drilling performance.

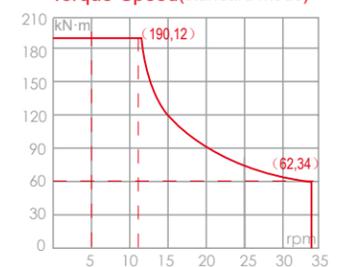
**Main winch with fast speed:** new balance valve technology can reduce pressure loss effectively. Main winch speed is increased by 5% to shorten lifting and lowering time.

**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.

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

**Intelligence upgrade:** 10-inch HD touch screen, fast response time and more convenient for operation; EVI mobile exclusive APP supports remote real-time monitoring for the equipment.

Torque-Speed(standard mode)



Torque-pressure(Rock drilling mode)

