

Main performances	Unit	Parameter	Remark
Pile			
Max. drilling diameter	mm	2800	①
Max. drilling depth	m	110/72	②
Rotary drive			
Rated output torque	kN·m	435	
Rotation speed	rpm	6~28	
Crowd system			
Crowd force	kN	380	
Line pull	kN	400	
Stroke	mm	9000/18000	③
Main winch			
Lifting capacity	kN	450	
Wire rope diameter	mm	40	
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	°	90/15	
Lateral	°	±3	
Main Chassis			
Base engine	/	6WG1	ISUZU
Engine power	kW/rpm	377/1800	
Exhaust emission	/	China Stage III	
Engine displacement	L	15.68	
Width retracted/extended	mm	3500-4900	
Track shoe width	mm	800	
Swing radius	mm	4875	
Overall machine			
Overall height	mm	28625	
Operating weight	t	138	
Transport width	mm	3550	
Transport height	mm	3550	
Transport length	mm	19800	

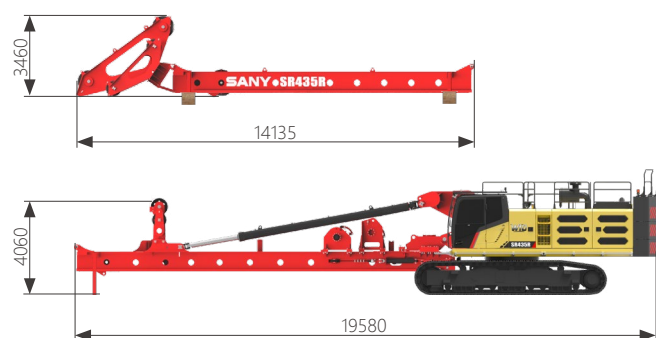
①: uncased/cased

②: Friction kelly / inter-locking kelly

③: the standard crowd stroke 9000 mm

Kelly bar		Weight(kg)	Depth(m)	Option
Inter-locking kelly	Φ580×4×19	20200	68	Standard
	Φ580×4×20	21200	72	○
Friction kelly	Φ580×6×19	21400	104	○
	Φ580×6×20	22500	110	○

Note: Drilling depth with bucket 800 mm long



SMART AND INTELLIGENT LARGE HOLE AND DEEP PILE

SR435R is designed for large pile foundation construction in housing, bridge, high speed railway and highway, etc. It is more efficient in large hole and deep pile construction in pebble layer or hard rock layer.

Strong rock drilling ability: upgraded design with high standard targeted for rock drilling. With high torque and large crowd force, it has the ability to drill large holes into rock. The low gravity center and large crawler width ensure the more stable construction.

High power: the engine with high power and large displacement can realize real-time power distribution, and the continuous output can deal with various rock conditions. The large traction force enables strong climbing ability.

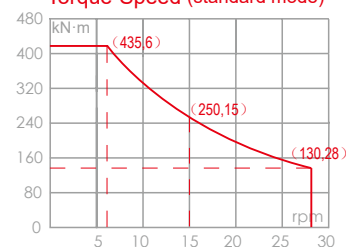
High stability and reliability: large triangle structure ensures stable and reliable construction. Winch crowd with full stroke/half stroke modes, can realize long casing construction on soft layer. The main winch wire rope is wound in single layer when equipped with interlocking bar, which can avoid extrusion and reduce wear, prolong service life.

Intelligent control: high-definition touch screen, fast response, easy to operate; eight automatic functions such as auto drilling, auto shaking, auto swing positioning, etc. The main and auxiliary winch line pull can be seen on the display, further enhance the construction efficiency and operating experience.

New industrial design: new shape, tough and powerful; equipped with climbing ladders on both sides; new cab with large operating space, equipped with air suspension seat; quick start button, Bluetooth music and other functions to provide comfortable operating experience.

Convenient maintenance: equipped with auto central lubrication system, facilitating maintenance, saving work and time. The centralized arrangement of filter elements makes replacement easier. The self-disassembly device on supporting trestle pin, hydraulic quick joints and the combined counterweights facilitate removal, installation and transfer.

Torque-Speed (standard mode)



Torque-Pressure (rock drilling mode)

