

The world's height is determined by our drilling depth

W10

Rotate wonderful new era
drill deep great future



2017 Rotary Drilling Rig

SR285R

- Engine Power 300kW/1800rpm
- Max. pile diameter 2.2m
- Max. pile depth 93.5/61m

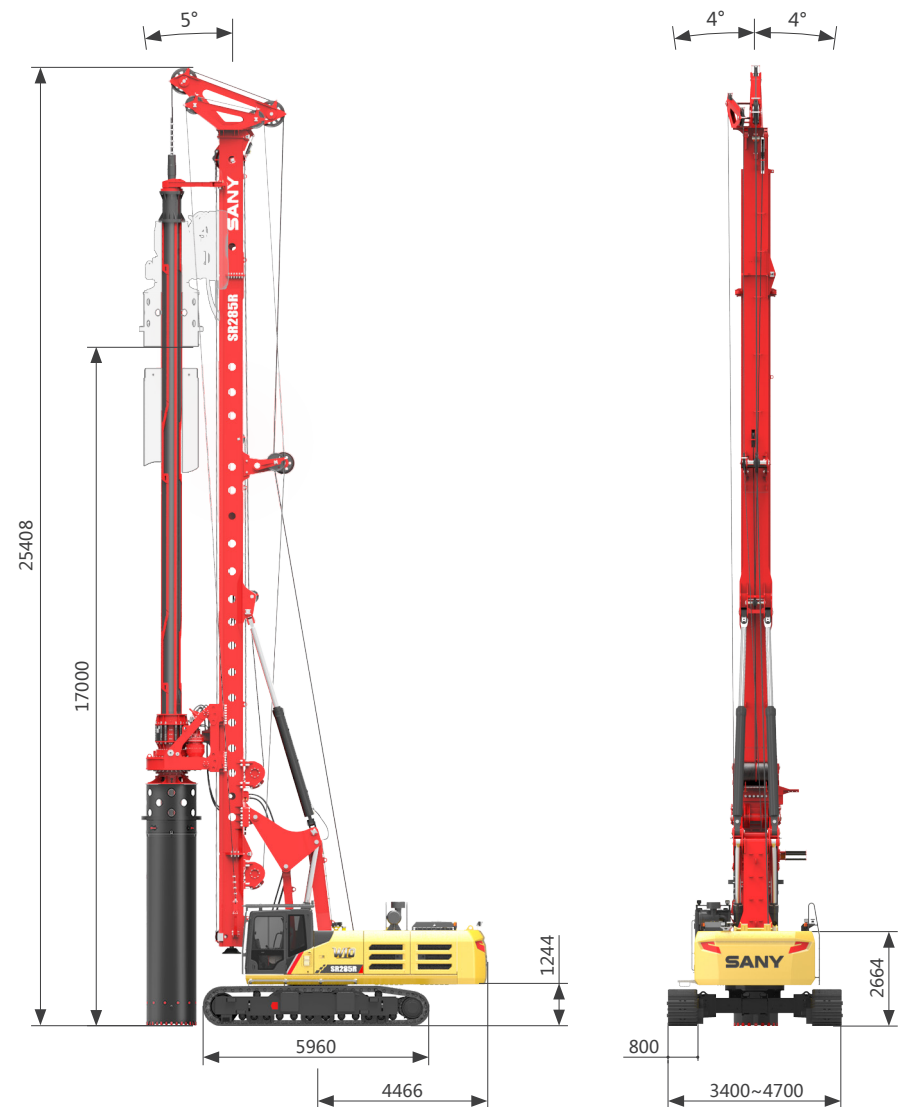


Main performances	Unit	Parameter	Remark
Pile			
Max. pile diameter	mm	2,200/1,900	none casing/casing
Max. pile depth	m	93.5/61	friction kelly/inter-locking kelly
Rotary Drive			
Max. output torque	kN·m	285	
Speed of rotation	rpm	5~24	
Crowd system			
Crowd force	kN	260	
Line pull	kN	355	
Stroke	mm	17,100	
Main winch			
Line pull	kN	330	
Rope diameter	mm	36	
Max. line speed	m/min	70	
Auxiliary winch			
Line pull	kN	90	
Rope diameter	mm	20	
Max. line speed	m/min	70	
Mast inclination			
Forward/backward	°	5/90	
Lateral	°	± 4	
Main Chassis			
Base engine		ISUZU 6WG1X	
Engine power	kW/rpm	300/1,800	
Emission regulation		COM III /R96	
Engine displacement	L	15.68	
Chassis length	mm	7,473	
Extended width	mm	4,700	
Track shoe width	mm	800	
Swing radius	mm	4,530	backside
Overall machine			
Overall height	mm	25,408	
Operating weight	t	105	
Transport width	mm	3,473	
Transport height	mm	3,611	

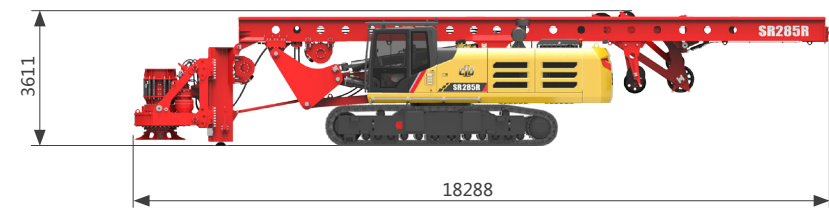
Configuration table	Option		Option		Option
MAST SYSTEM :					
Mast verticality measuring	●	Tensioning cylinder	●	Casing driver	○
Mast sideward limits	●	Upper limit protection function	●	Air-conditioner	●
Masthead cylinder	●	Crowd force measuring	●	Radio	●
Boom working range measuring	●	ROTARY DRIVE :		Gradienter	●
Cab anticollision protection	●	Torque measuring	●	Anemometer	○
MAIN WINCH :		Speed mesuring	●	Caution light	○
Overload measuring	●	Multi-gear control system	●	OPERATION SYSTEM :	
Ground touching protection	●	MAIN CHASSIS :		10-inch touch screen	●
Freewheel control	●	Oil pressure measuring device	●	SANY-ADMS control system	●
Fast lowering	●	All-directional lighting system	●	E-Pad	●
Camera monitoring system	●	Slew angle measuring	●	Central test point	●
Speed measuring	●	Emergency stop switch	●	Fault self-diagnosis system	●
Depth measuring	●	Diesel-electric pump	●	Intelligent construction management system	●
Upper limit protection function	●	Auto centralized lubricating-system	●	All-directional camera monitoring system	●
AUXILIARY WINCH :		Auto idle model	●	Digital simulation animation	●
Overload measuring	●	Low temperature preheat unit	●	Auto/manual mast verticality-adjusting	●
CROWD SYSTEM :		Integrated overload protection	●		
Winch crowd system	●				

● Standard ○ Optional

Working dimensions



Lowering the mast dimensions



Type of kelly bar

Friction kelly	Depth(m)	Inter-locking kelly	Depth(m)
Φ508×6×15	81.5	Φ508×3×15	40
Φ508×6×16	87.5	Φ508×4×15	53
Φ508×6×17	93.5	Φ508×4×16	57
		Φ508×4×17	61