



# SR175M

# SANY®

Rotary Drilling Rig	Metric		Imperial	
Pile	Winch	Cylinder	Winch	Cylinder
Max. drilling diameter	1300mm	1500mm	51 in	59 in
Max. drilling depth ①	61/47.5 m		200/156 ft	
Rotary drive				
Rated output torque	185 kN·m		136449 lbf·ft	
Rotation speed	5~31/120 rpm		5~31/120 rpm	
Crowd system	Winch	Cylinder	Winch	Cylinder
Crowd force	180 kN	200 kN	40466 lbf	44962 lbf
Line pull	180 kN	140 kN	40466 lbf	31473 lbf
Stroke	15000mm	5200mm	591 in	205 in
Rope diameter	20 mm	/	0.78 in	/
Standard mode(push/pull)	7 m/min	4.5/9.5 m/min	23 ft/min	14.8/31 m/min
Fast mode(push/pull)	21 m/min	/	69 ft/min	/
Main winch				
Lifting capacity	185 kN		41590 lbf	
Wire rope diameter	28 mm		1.1 in	
Max. line speed	75 m/min		246 ft/min	
Auxiliary winch				
Lifting capacity	80 kN		17985 lbf	
Wire rope diameter	20 mm		0.79 in	
Max. line speed	75 m/min		246 ft/min	
Mast inclination				
Forward/backward	5/90 °		5/90 °	
Lateral	±3 °		±3 °	
Main chassis				
Engine model	Cummins B6.7			
Engine power ISO 3046-1	209 kW/2000 rpm		280 HP/2000 rpm	
Emission regulation	EEC 97/68 EC		EPA /CARB	
	Stage V/Tier4 final			
AD Blue tank capacity	46 L		10.4 US gal	
Width retracted/extended	3100-4100 mm		122-161 in	
Track shoe width	700 mm		27.6 in	
Swing radius	3985 mm		157 in	
Overall machine				
Overall height	20480 mm		806 in	
Operating weight ②	61000 kg		134482 lb	
Transport width	3100 mm		122 in	
Transport height	3590 mm		141 in	
Transport Length	16240 mm		639 in	

Kelly bar		Weight	Depth	Option
Inter-locking kelly	Φ406×4×9	5820 kg 12830 lb	30 m 98 ft	③
	Φ406×4×11	7220 kg 15917 lb	38 m 125 ft	④
	Φ406×4×13	8410 kg 18540 lb	46.5 m 153 ft	
	Φ406×5×13.5	8710 kg 19202 lb	61 m 200 ft	
	Φ406×5×12.5	7700 kg 16975 lb	55.5 m 182 ft	③
Friction kelly	Φ406×5×13	8100 kg 17857 lb	58 m 190 ft	

Note: Drilling depth with bucket 1500 mm long

- ①: Friction kelly / inter-locking kelly    ③: standard(Choose one of two)  
 ②: with standard kelly    ④: USA equipment

## DUAL CROWD MODES, TRANSPORTED WITH KELLY

SR175M-V meets European and American emission regulations and is engineered for pile foundation applications in industrial and civil construction. The entire machine can be transported with Kelly attached, eliminating disassembly during relocation. The dual crowd modes (cylinder/winch) ensure compatibility with multiple construction techniques.

**Transportation with rod:** complete-built unit can be transported with drill pipe, and the transportation cost is low; the drill pipe is firmly fixed and easy to disassemble and assemble.

**Power guarantee:** sufficient power reserve, equipped with Sany EP power control technology, real-time adjustment of power distribution, improve utilization.

**Efficient construction:** the main hoist lifting speed is fast, the power head torque is large, the speed is fast, the rotation micro-motion is good, the hole is accurately aligned, and the construction is efficient.

**Intelligent efficiency:** with six intelligent control functions, improve construction efficiency and reduce operation fatigue.

**Reduce drag and increase efficiency:** large diameter hydraulic system design, reduce oil resistance loss; independent cooling system can adjust fan speed, system energy saving.

**Safety:** ROPS and FOPS double encryption mesh anti-drop double protection roof, extreme weather warning, 360 ° visual, all-round safety care.

**Comfort:** suspension seat has strong vibration damping ability to avoid sedentary fatigue; high-power heating and cooling air conditioning, multi-air duct adjustable trend, all-round air supply to the human body.

**Maintenance convenience:** the main components of the engine, pump and valve are placed on the side, which is convenient for repair and maintenance; fault self-diagnosis technology, fault early warning, and shorten the troubleshooting time.

