



SANY

Quality Changes the World



SANY ROTARY DRILLING RIG SR250

SR250 ROTARY DRILLING RIG

◆ Integrated parameters

Main performances	Unit	Parameters
Overall height	mm	22,027
Operating weight	t	74
Max. pile diameter	mm	2,300
Max. pile depth(friction Kelly/inter-locking Kelly)	m	69/54
Rotary Drive		
Max. output torque	kN.m	250
Speed of rotation	rpm	7~26
Crowd system		
Crowd force	kN	208
Line pull	kN	200
Stroke	mm	5,300
Main winch		
Line pull(1st layer)	kN	256
Rope diameter	mm	32
Max. line speed	m/min	63
Auxiliary winch		
Line pull(1st layer)	kN	110
Rope diameter	mm	20
Max. line speed	m/min	70
Mast inclination		
Forward	°	5
Lateral	°	±5

◆ Main parameters

Chassis model	SY460R
Chassis length	7,035mm
Extended width	4,490mm
Track shoe width	800mm
Swing radius (backside)	4,105mm
Transport width	3,190mm
Transport height	3,520mm
Base engine	Mitsubishi 6D24-TLC1B
Engine power	250kW@2000rpm
Fuel	Diesel oil (JIS Type 2)
Emission regulation	EU stage II/EPA Tier 2
No. of cylinder-bore x stroke	6-130×150
Engine displacement	11.945 L

◆ Configuration table

Mast verticality measuring function	●	Main winch protection function	●
Slew angle measuring function	●	Aux. winch protection function	●
Drilling depth real time measuring function	●	Mast sideward limiters	●
Main rope pull force measuring function	●	Slew siren	●
Oil pressure measuring function	●	Main winch lighting system	●
Engine diagnose system	●	Pile lighting system	●
PLC control module	●	Air-conditioner	●
Auto/manual mast verticality adjusting function	●	Radio	●
Main winch floating control	●		
Emergency stop switch	●	Fault self-diagnosis function	○
Auto idle model	●	Anemometer	○
All directional Gradienter	●	Caution light	○
Cab collision protection	●	Casing driver	○
Electrical protection system	●	Startup in low temperature	○
Display monitor	●	Oscillator attachment	○

◆ Type of Kelly bar

Friction Kelly	Weight	Depth		Locking Kelly	Weight	Depth	
Φ445×5×14	10.2t	64m	○	Φ445×4×14	10.6t	50m	●
Φ445×5×13	9.6t	59m	○	Φ445×4×13	9.9t	47m	○
Φ445×5×12.5	9.2t	55m	○	Φ445×4×12.5	9.6t	45m	○
Φ445×4×10	7.7t	35m	○	Φ445×4×12	9.2t	42m	○
				Φ445×3×13	9.1t	37m	○
				Φ445×3×12	8.4t	34m	○
				Φ445×4×10	7.9t	34m	○
				Φ445×4×09	7.3t	30m	○

● Standard ○ Optional



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