

Rotary drilling rig



Scan to get a special offer

- ◆ High in axial pressure, torque and rate of rotation and large in hole diameter, providing an excellent production efficiency for your mining operations;
- ◆ Dual-power system of motor and diesel engine equipped, a HP and LP or LP air compressor optional, energy efficient, and environment friendly;
- ◆ Adoption of a constant power variable electro-hydraulic proportional control system, to automatically adjust the operation parameters according to the rock formation;
- ◆ Highly reliable with a 3-point floating leveling chassis and a high-strength truss drill stand;
- ◆ Highly adaptive to various working conditions and rock formations with two rock drilling modes, roller-bit rotation and down-the-hole percussion.

Main parameters		SWDRT250	SWDRT250H
Drilling method		DTH and roller-bit drilling	Roller bit
Operation parameters			
Diameter of roller-bit drilled hole	mm	230~250	220~270
Diameter of DTH drilled hole	m m	165~200	---
Drilling depth	m	48	48
Drilling angle (optional)	°	60~90	60~90
Rock hardness		f4~20	f4~20
Type of bit		DTH and roller bits	Roller bits
Drill pipe diameter	mm	133、159、194	194、219
Drill pipe length	m	10m×5	10m×5
Air compressor			
Discharge pressure	bar	25/17	7
Air rate	m ³ /min	29.8	36
Engine power	kW	328	220 (motor)
Diesel engine			Diesel engine + motor
Model		Cummins QSM11-C400	Cummins QSB7-C187
Power/rate of rotation	kW/rpm	298/2100	140/2050+110+90
Fuel tank volume	L	1500	400
Propulsion			
Length of drill stand	m	15	15
Propulsion stroke	m	11.4	11.4
Propulsion speed	m/min	45	45
Propulsion	kN	220	290
Axial pressure	kN	270	340
Lifting speed	m/min	63	63
Traveling capability			
Traveling speed	km/h	2	2
Gradeability	°	20	20
Ground pressure	kPa	≤100	≤100
Slewing			
Rate of rotation	rpm	0~160	0~120
Torque	kNm	11	13.8
Power	kW	110	110
Overall dimensions			
Total weight	kg	55000	80000
L×W×H (when the drill stand is level)	m	17×5.8×7	17×5.8×7
L×W×H (when the drill stand is upright)	m	13×5.8×17	15×5.×17