

Split Down-the-hole Drilling Rig

- ◆SWDQ series crawler hydraulic down-the-hole drilling rig, with comprehensively optimized structure, lower advance cost and more ergonomic design.
- ◆With diesel engine-hydraulic pump unit as power source, the hydraulic motor completes the auxiliary actions such as slewing, propulsion, lifting, traveling and hydraulic oil cylinder swing positioning of the drilling rig. The product is mainly used for drilling and blasting holes in hydropower projects, open-pit mining and road construction.



Off-road capability

- ◆The vehicle body is designed with a gravity shaft device, which reduces the frictional resistance during traveling, enhances the firmness of the connection between the body and the track, so the chassis of the drilling rig is more durable and not easy to deform.
- ◆The passability when crossing a slope and longitudinal gradeability can reach 20° and 35°, respectively.

Slewing power head

- ◆Spur-gear reduction gear, with low temperature rise, high carrying capacity and long service life.
- ◆The slewing speed can be adjusted according to the rock hardness.
- ◆The slewing head is equipped with Eaton hydraulic pump, which works stably.
- ◆The standard configuration is equipped with a reinforced shock-absorbing joint to reduce the damage to the slewing reduction gear caused by the impact reaction force of drill holes.

Dust removal device

- ◆The pulse jet blowing dust removal technology features strong dust removal ability with high efficiency, small air leakage rate, as well as low emission concentration and energy consumption, enabling the dust collector to operate in a stable and reliable manner and protect the health of operators.
- ◆High-quality filter material ensures the dust removal efficiency and service life.

Item		SWDQ120	SWDQ138
Main parameters			
Hole diameter	mm	90-152	90-178
DTH hammer	"	3.5、4、5	3.5、4、5
Tube diameter	mm	64、76	76、89
Tube length	m	3m*7	3m*7
Maximum hole depth	m	21	21
Dust collector	-	Dry cleaning system	
Air compressor			
Working pressure	bar	17-25	17-25
Engine			
Brand	-	YuChai	YuChai
Model	-	YC4A100-T302	YC4A100-T302
Power rating	kW/rpm	73.5/2200	73.5/2200
Fuel tank volume	L	155	155
Feed system			
Total length	mm	5750	5750
Feed extension	mm	1200	1200
Feed force	kN	12.5	12.5
Pitch angle	°	135	135
Turning angle	°	L30 R90	L30 R90
Drill boom			
Lifting angle	°	-22-65	-22-65
Swing angle	°	L45 R40	L45 R40
Carrier			
Tramming speed	km/h	3.2	3.2
Gradeability	°	35	35
Rotary head			
Rotation speed	rpm	0-110	0-85
Torque	Nm	2300	3500
Dimension			
Weight	kg	7200	7200
L × W × H (work)	m	4.8*2.8*5.8	4.8*2.8*5.8
L × W × H (Transportation)	m	5.8*2.2*2.3	5.8*2.2*2.3