

All-hydraulic open-pit drilling rig



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- ◆ A large-power hydraulic rock drilling rig with a large percussion energy and a reverse percussion function available, to greatly reduce the risk of jamming, making the drilling rig more durable
- ◆ Core parts and components of international established brands, highly reliable, high in efficiency and low in energy consumption
- ◆ Precise matching among rock drilling rig, air compressor and engine, more adaptive to rock formations with two operation modes (economic mode and powerful mode, and low in operation cost
- ◆ Compact in overall structure, small in size, flexible, fast in traveling speed, and good in off-road capability
- ◆ Adoption of a retractable boom, large in coverage in initial positioning, suitable for drilling of multi-angle holes, and fast in and convenient for hole positioning



Main parameters		SWDH89S	SWDH102S	SWDH115F
Operation parameters				
Range of Hole Diameter	mm	64-115	76-127	76-127
Drill pipe specifications		T38、T45、T51	T45、T51	T38、T45、T51
Drill pipe length	mm	3660	3660	3050
Drilling depth	m	24	24	21
Hydraulic rock drill rig				
Impact power	kW	14	18	20
Slewing torque	Nm	700	1000	1300
Slewing speed	Nm	0~180	0~150	0~175
Engine				
Model		CAT C7.1	CAT C7.1	QSB4.5
Power	kW/rpm	168/2200	168/2200	97/2200
Fuel tank	L	450	450	300
Air compressor				
Discharge pressure	bar	8	10	/
Displacement	m3/min	8	10	/
Boom				
Pattern		Folding boom	Folding boom	Single straight boom
Lifting angle	°	+70~-10	+70~-10	-30~+45
Folding angle	°	65~165	65~165	/
Swing angle	°	+20~-30	+20~-30	+30~-30
Propulsion				
Total length of propulsion girder	mm	7300	7300	6700
Compensated travel	mm	1200	1200	1200
Forward inclination	°	140	140	140
Rollback	°	-20~90	-20~90	-20~90
Maximum penetration rate	m/s	0.8	0.8	0.8
Maximum propulsion	kN	25	25	25
Traveling capability				
Maximum travel speed	km/h	4.2	4.2	4.2
Maximum traction force	kN	100	100	80
Gradeability	°	25°	25°	25°
Swing angle of crawler frame	°	-7~+12	-7~+12	±10
Ground clearance of chassis	mm	400	400	400
Overall dimensions				
Weight	kg	15000	15000	12000
LxWxH (working)	m	9.2×2.6×8.6	9.2×2.6×8.6	6.68×2.42×7.98
LxWxH (transportation)	m	11.2×2.6×3.5	1.2×2.6×3.5	8×2.42×3.4