

Specialist in underground engineering equipment

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SWDH102S

SURFACE TOP HYDRAULIC DRILL RIG

- ◆ Drilling Range : 3.0 ~ 4.5 in / 76 ~ 115 mm
- ◆ Operating Weight: 33,069 lb / 15 ton
- ◆ Engine Power : 243 HP / 179 kW @ 2200 rpm

Surface Top Hydraulic Drill Rig

- Surface top hydraulic drill rig is designed according to the operating conditions of small and medium-sized quarries and small open-pit mines, and is mainly used for drilling hard and medium-hard (F10 and above) rocks
- It can be used for rock blasting and drilling in the construction of quarries, civil works, road projects, open-pit mines and hydropower plant, etc
- This product is equipped with a high-efficiency hydraulic rock drill, with fast drilling rate, low energy consumption, flexible maneuverability and strong gradeability. It can be used for drilling operations in complex terrain





Item	Unit	SWDH102S
Operation parameters		
Drilling range	in/mm	3.0-4.5 / 76-115
Drill pipe specification	-	T45/T51
Drill pipe length	in/mm	144/3660
Drilling depth	ft/m	78.7/24
Hydraulic rock drill		
Impact power	HP/kW	28.5/21
Slewing torque	lbf.ft/Nm	651/883
Slewing speed	rpm	0-150
Engine		
Model	-	CUMMINS QSC8.3
Power	HP/kW@rpm	243/179@2200
Fuel tank	Gal/L	4119/50
Air compressor		
Working pressure	psi/Bar	145/10
Displacement	ft ³ /min(m ³ /min)	353(10)
Drill boom		
Type	-	Folding arm
Lifting angle	°	70~-10
Folding angle	°	65~165
Swing angle	°	20~-30
Propulsion		
Total length of propulsion beam	in/mm	287/7300
Compensation stroke	in/mm	47/1200
Forward tilting angle	°	140
Turning angle	°	-20~90
Maximum propulsion rate	ft/s(m/s)	2.6(0.8)
Maximum propulsion	lbf/kN	5620/25
Traveling capability		
Maximum traveling speed	mile/h(km/h)	2.6(4.2)
Max. traction	lbf/kN	22,480/100
Gradeability	°	25
Swing angle of crawler frame	°	-7~12
Chassis ground clearance	in/mm	15.7/400
Dimension		
Weight	lbf/kg	33,069/15000
L × W × H (Working)	ft/m	30.2x8.5x28.2 / 9.2×2.6×8.6
L × W × H (Transportation)	ft/m	36.7x8.5x11.5 / 11.2×2.6×3.5

Be sure to read the operation and maintenance manual carefully before using the equipment. Adhering to the principle of continuous improvement, Sunward's products are subject to changes without prior notice. This sample is for reference only, and Sunward reserves the final right to interpret.

