

Integrated Cutting and Down-the-hole Drilling Rig

Combining the advantages of excavator and rock drilling rig, the product has the functions of high-speed cutting and percussion drilling



Higher operation efficiency and better economy

- ◆ The 360° rotation of the upper body effectively improves the working efficiency.
- ◆ The two-speed propulsion mode features less auxiliary time and high comprehensive efficiency.
- ◆ Reliable down-the-hole impactor and powerful air compressor ensure efficient and stable operation.
- ◆ The integrated down-the-hole/cutting dual function adapts to various rock strata, that is, down-the-hole mode for hard rock stratum and cutting mode for soft rock stratum, effectively reducing operation cost.
- ◆ The quasi-constant power hydraulic system control saves more fuel.
- ◆ The autonomous identification of working status prevents sticking and improves operation efficiency.

Higher reliability

- ◆ The buffering mechanism effectively protects the power head and drilling tools.
- ◆ The enhanced thread and aerosol lubrication ensures a longer service life of the drill pipe.
- ◆ Core components of international famous brands are selected, and the system design is reasonably matched.
- ◆ Boom supports forging to improve stress distribution.
- ◆ Reinforced platform has strong carrying capacity.

Better adaptability to working conditions

- ◆ Universal excavator chassis, large ground clearance and strong off-road capability.
- ◆ The power system has strong adaptability to plateau and oil products.
- ◆ The standard low-temperature startup and intelligent temperature control system has good low-temperature adaptability.
- ◆ Large slewing torque of the power head and strong pulling force of the heavy chain propulsion system can easily deal with adverse rock strata.

Safer and greener

- ◆ Cab with ROPS & FOPS certification.
- ◆ Interlocking of operation and adjustment mode.
- ◆ Automatic fire extinguishing system.
- ◆ Dry dedusting covering large filtration area: wet dedusting with high-pressure water mist.

Better adaptability

- ◆ The panoramic cab, spacious and comfortable, features wide field of view and suspension seat.
- ◆ Anti-vibration and noise isolation, superior to industry standards.
- ◆ Air conditioner is equipped, not afraid of cold and hot weather.

www.wme.cn/sunward-swdr138b/

Item		SWDR138B
Main parameters		
Hole diameter	mm	105-165
DTH hammer	"	4、5
Tube diameter	mm	76、89、102
Tube length	m	5m×6
Maximum hole depth	m	30
Upper frame rotation angle	°	360
Dust collector	-	Dry (standard) water mist (optional)
Air compressor		
Working pressure	bar	21
FAD	m³/min	20.5
Engine		
Brand	-	Cummins
Model	-	QSL8.9-C360-30
Power rating	kW/rpm	264/2100
Fuel tank volume	L	790
Feed system		
Total length	mm	9800
Feed force	kN	50
Carrier		
Tramming speed	km/h	3.5/5.6
Traction force	kN	200
Gradeability	°	25
Ground clearance	mm	480
Rotary head		
Rotation speed	rpm	0-200
Torque	Nm	5000
Dimension		
Weight	kg	24000
L × W × H (work)	m	10.7×3.7×9.8
L × W × H (Transportation)	m	15.6×3.0×3.6