

Specialist in underground engineering equipment

Leading enterprise in comprehensive field of underground engineering

Supplier of complete underground engineering solutions



SWDM240S

MULTIFUNCTIONAL ROTARY DRILLING RIG

- ◆ Max. Drilling Diameter: 78.7 in / 2000 mm
- ◆ Operating Weight: 174,165 lb / 79 ton
- ◆ Engine Power : 342.6 HP / 252 kW @ 1800 rpm

▶ Performances and Features

◆ Strong Power

The super-powerful high-pressure common rail engine ensures sufficient power storage.

◆ Highly Efficient Construction

Highly adaptable to industrial and civil construction; Fast main winch with large lifting capacity and high-speed rotary head ensures excellent construction efficiency.

◆ Energy Saving and Consumption Reduction

With the load sensing technology for hydraulic system, rotation speed of rotary head varies with working conditions, effectively reducing fuel consumption; Laid with single layer when winch works, the steel rope has long service life.

◆ Safe Working

Special chassis with heavy-duty telescopic crawler and reinforced luffing mechanism which consists of dual boom provides reliable structure and excellent stability, empowering all-around construction ability; Good working safety is also ensured by multi-angle surveillance cameras and sound and light alarms.

◆ Intelligent Control

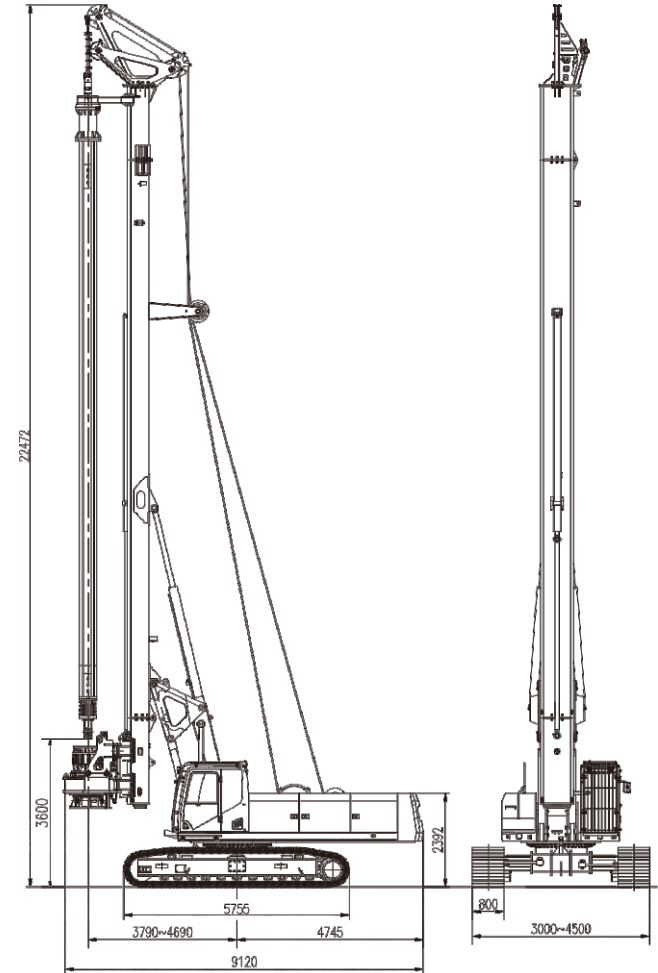
Alarms are sent out by the failure self-diagnosis system; the operation parameters are displayed in real-time; The solenoid handle controls automatic drilling; the drill mast is erected and lowered by one-key pressing. Bottom protection is equipped for the Kelly, making the operation simple; Sunward Auspicious Cloud APP provides synchronous data transmission and real-time machine monitoring.



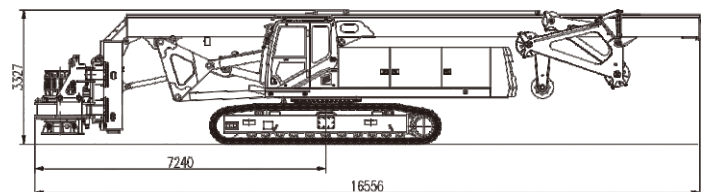
► Technical parameters

ITEM		UNIT	SWDM240S
Drill hole	Max. Drilling Diameter	in/mm	78.7/2000
	Max. Drilling Depth	ft(m)	226.4/177.2(69/54)
Rotary Head	Max. Torque	lb.ft/kN.m	182,915/ 248
	Rotating Speed	rpm	6~32
	high speed (optional)	rpm	72
Engine	Brand		Cummins
	Model		L9
	Power	HP/kW@rpm	342.6/252@1800
	engine emission		Stage V
Main Winch	Lifting Force	lbft/kN	62,946/280
	Max. rope speed	ft/min(m/min)	236/72
	Rope Diameter	in/mm	1.2/32
Crowd system	Compression Force	lbft/kN	47,209/210
	Max.Lifting Force	lbft/kN	53,954/240
	Max. Stroke	in/mm	196.8/5000
Additional Wintch	Lifting Force	lbft/kN	17,984/80
	Lifting Speed	ft/min(m/min)	190/58
	Diameter of Rope	in/mm	0.79/20
Drilling Mast	Lateral inclination	°	±5
	Inclination Angle(front and back)	°	5/90
Chassis	Track Width	in/mm	31.5/800
	chassis extend&retract width	in/mm	118~177/ 3000~4500
	Chassis Length	in/mm	226.6/ 5755
Whole machine	working height	in/mm	876.8/ 22272
	Operating Weight	lb/ton	174,165/ 79
Kelly Bar	Friction Kelly Bar	m	D440-5X15
	Interlocking Kelly Bar	m	D440-4X15(Standard)

Working state (unit: mm)



Transportation status (unit: mm)



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.

