

Specialist in underground engineering equipment

Leading enterprise in comprehensive field of underground engineering

Supplier of complete underground engineering solutions



SUNWARD

SWDM80S

MULTIFUNCTIONAL ROTARY DRILLING RIG

- ◆ Max. Drilling Diameter: 1000mm
- ◆ Operating Weight: 23t
- ◆ Engine Power: 90kW@2200rpm

▶ Performances and Features

◆ High Flexibility and Excellent Efficiency

Applicable for small holes and shallow piles, high rotation speed of rotary head and fast lifting of the main winch provides excellent comprehensive construction efficiency.

◆ Easy Transport

It's not beyond the transport limit even if transported with Kelly. With the total weight of 23 tons, it's freely transported on urban roads.

◆ High Stability

Laid with single layer in the condition of full drilling depth, the main winch steel rope has long service life; With the installation of main and auxiliary winch in the tri-pod, the structure is impact and the machine stability is high.

◆ Intelligent Control

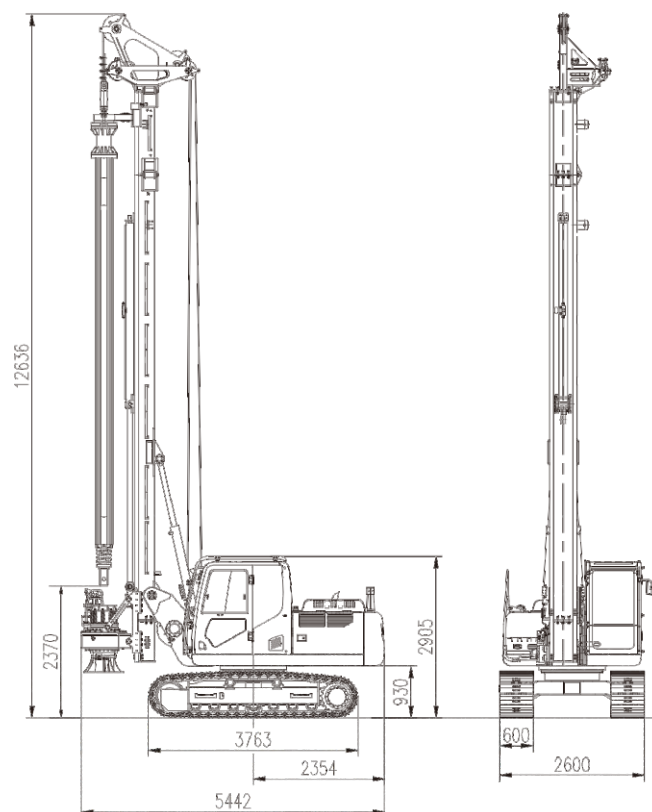
Alarms are sent out by the failure self-diagnosis system; the operation parameters are displayed in real-time; The solenoid handle controls automatic drilling; the drill mast is erected and lowered by one-key pressing. Bottom protection is equipped for the Kelly, making the operation simple; Sunward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



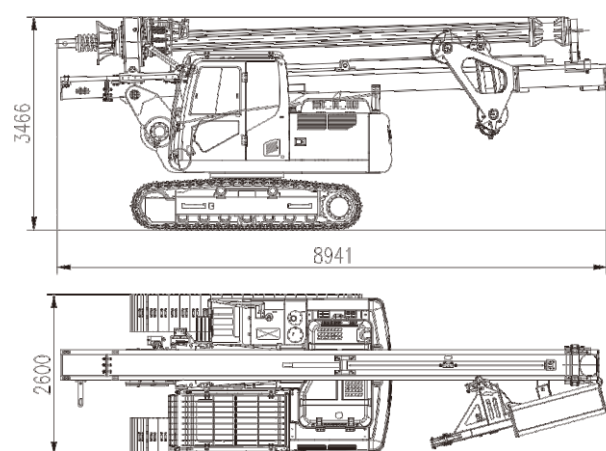
➤ Technical parameters

	ITEM	UNIT	SWDM80S
Drill hole	Max. Drilling Diameter	mm	1000
	Max. Drilling Depth	m	27/20
Rotary Head	Max. Torque	kN.m	80
	Rotating Speed	rpm	8~42
	high speed (optional)	rpm	70
Engine	Brand		Cummins
	Model		F3.8
	Power	kW/rpm	90/2200
	engine emission		Stage V
Main Winch	Lifting Force	kN	80
	Max. rope speed	m/min	72
	Rope Diameter	mm	20
Crowd system	Compression Force	kN	100
	Max.Lifting Force	kN	130
	Max. Stroke	mm	3000
Additional Wintch	Lifting Force	kN	30
	Lifting Speed	m/min	50
	Diameter of Rope	mm	13
Drilling Mast	Lateral inclination	°	±3
	Inclination Angle(front and back)	°	5/90
Chassis	Track Width	mm	600
	chassis extend&retract width	mm	2600
	Chassis Length	mm	3765
Whole machine	working height	mm	12640
	Operating Weight	t	23
Kelly Bar	Friction Kelly Bar	m	D273-4X7.5(Standard)
	Interlocking Kelly Bar	m	D273-3x7.5m

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.

