

Specialist in underground engineering equipment

Leading enterprise in comprehensive field of underground engineering

Supplier of complete underground engineering solutions



SWDM40S

MULTIFUNCTIONAL ROTARY DRILLING RIG

- ◆ Max. Drilling Diameter:1000mm
- ◆ Operating Weight:17t
- ◆ Engine Power:53.7kW@2100rpm

▶ Performances and Features

◆ Excellent Mobility

As the smallest rotary drilling rig, its design of zero tail enables you to work in a confined space.

◆ Economical and Efficient

Applicable for small holes and shallow piles, high rotation speed of rotary head and fast lifting of the main winch improve the comprehensive construction efficiency by 10%~15%.

◆ Outstanding 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.

◆ Easy Transport

A normal truck can handle the transportation with Kelly, greatly reducing the transport cost.

◆ Intelligent Control

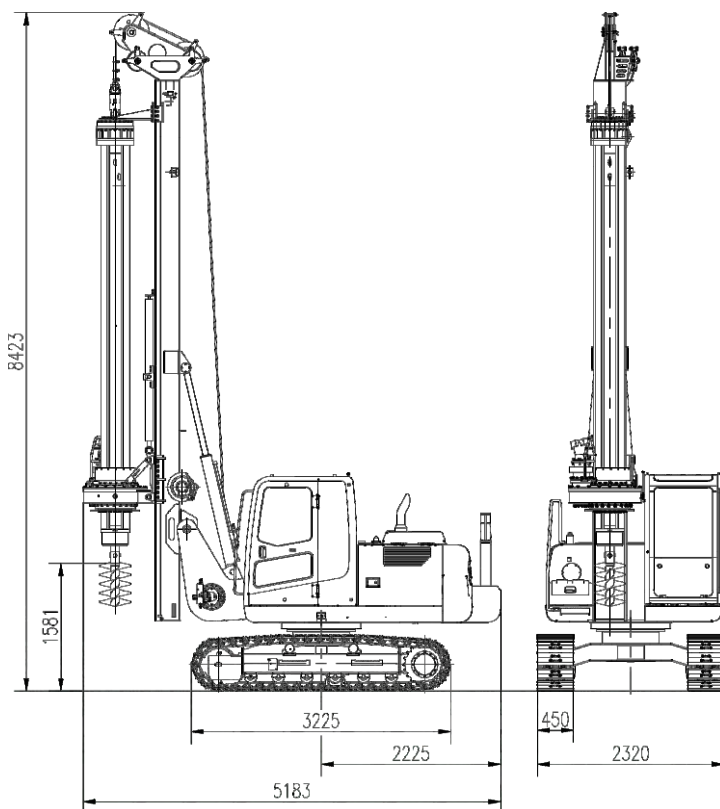
Alarms are sent out by the failure self-diagnosis system; the operation parameters are displayed in real-time; the solenoid handle controls automatic drilling; the drill mast is erected and lowered by one-key pressing, offering easier operation; Sunward Auspicious Cloud APP provides synchronous data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



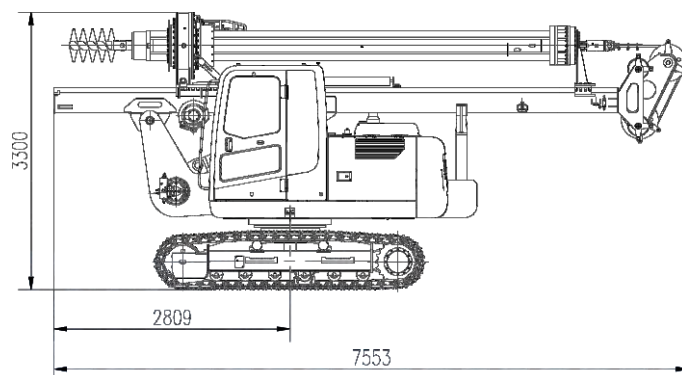
➤ Technical parameters

	ITEM	UNIT	SWDM40S
Drill hole	Max. Drilling Diameter	mm	1000
	Max. Drilling Depth	m	22/17
Rotary Head	Max. Torque	kN.m	45
	Rotating Speed	rpm	5~45
	high speed (optional)	rpm	/
Engine	Brand		YANMAR
	Model		4TNV98CT-VSI
	Power	kW/rpm	53.7/2100
	engine emission		Stage V
Main Winch	Lifting Force	kN	60
	Max. rope speed	m/min	60
	Rope Diameter	mm	18
Crowd system	Compression Force	kN	60
	Max.Lifting Force	kN	70
	Max. Stroke	mm	1500
Additional Wintch	Lifting Force	kN	15
	Lifting Speed	m/min	50
	Diameter of Rope	mm	10
Drilling Mast	Lateral inclination	°	±3
	Inclination Angle(front and back)	°	5/90
Chassis	Track Width	mm	450
	chassis extend&retract width	mm	2320
	Chassis Length	mm	3225
Whole machine	working height	mm	8423
	Operating Weight	t	17
Kelly Bar	Friction Kelly Bar	m	D325-5X5(Standard)
	Interlocking Kelly Bar	m	D325-4X5m

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.

