

Specialist in underground engineering equipment

Leading enterprise in comprehensive field of underground engineering

Supplier of complete underground engineering solutions



# SWDM200H

## MULTIFUNCTIONAL ROTARY DRILLING RIG

- ◆ Max. Pile Diameter: 1800mm
- ◆ Operating Weight: 65t
- ◆ Rated Power: 194kW@2200rpm

### ▶ Performances and Features

#### ◆ High Flexibility and Excellent Efficiency

Fully adaptable to large holes and deep piles of industrial and civil construction, it has highly comprehensive construction efficiency; With the hidden installation under the mast, outriggers help to place the pile casing on the hole mouth, and make the chassis maintenance easier.

#### ◆ Strong Power

Large power engine matches with large displacement motor. Main winch has fast speed. High torque of rotary head vibrates up and down to shake off soil, it's available to drill in soft and hard stratum.

#### ◆ High Stability

The luffing mechanism with dual boom and dual cylinder offers good stability and excellent pile quality; Laid with single layer in the condition of full drilling depth, the main winch 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

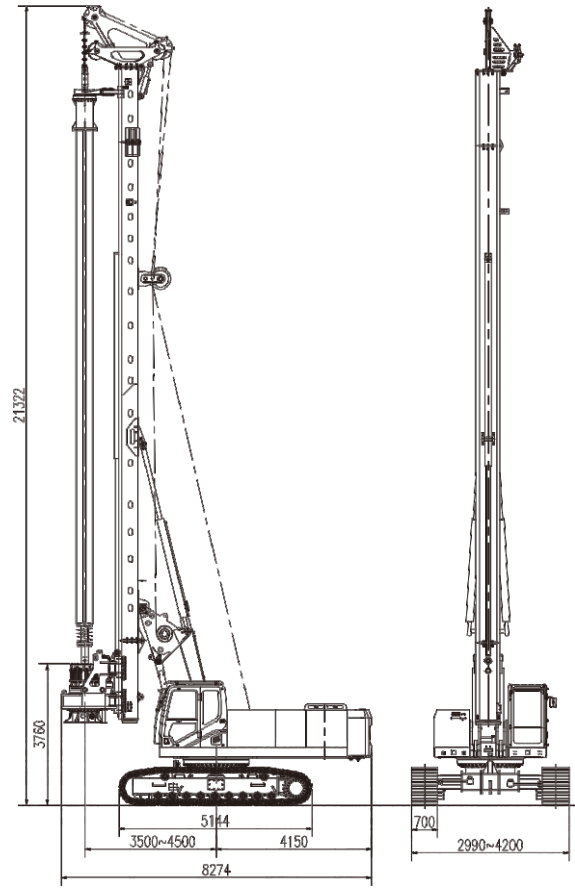
Alarms are sent out by the failure self-diagnosis system; the operation parameters are displayed in real-time; The solenoid handle controls automatic drilling; the drill mast is erected and lowered by one-key pressing. Bottom protection is equipped for the Kelly, making the operation simple; Sunward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



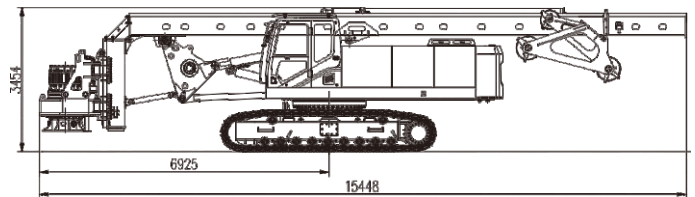
## ► Technical parameters

ITEM		UNIT	SWDM200H
Drilling	Max. Pile Diameter	mm	1800
	Max. Pile Depth	m	64/51
Engine	Brand		Cummins
	Model		QSB6.7-C260
	Rated Power	kW@rpm	194@2200
Rotary Head	Max. Torque	kN.m	200
	Rotation Speed	rpm	6~35
	High-Speed Soil Throwing (optional)	rpm	70
Main Winch	Max. Line Pull	kN	220
	Max. Line Speed	m/min	75
	Rope Diameter	mm	28
Crowd System	Max. Pressure	kN	210
	Max. Line Pull	kN	210
	Max. Stroke	mm	5000
Auxiliary Winch	Max. Line Pull	kN	80
	Max. Line Speed	m/min	55
	Rope Diameter	mm	20
Drill Mast	Lateral Inclination	°	±5
	Forward & Rearward Inclination	°	5/90
Chassis	Crawler Width	mm	700
	Track Retraction and Extension Width	mm	2900~4200
	Chassis Length	mm	5144
Overall Machine	Working Height	mm	21322
	Operating Weight	t	65

Working state (unit: mm)



Transportation status (unit: mm)



## ■ Drill pipe parameters

Model	Friction Kelly Bar	Hole depth (m)	Drill pipe weight (kg)	Configuration	Model	Interlocking Kelly Bar	Hole depth (m)	Drill pipe weight (kg)	Configuration
SWDM200H	419-5X14m	64	8700	Standard	SWDM200H	D419-4X14m	51	9150	
	419-5X10m	45	6380			D419-4X10m	35	6580	

※Drill pipes of other specifications can be customized.

Operation & Maintenance Manual should be read carefully before the machine is put into service. Sunward improves products continuously, and reserves the right to make any modification or amendment of that without any notice. This sample is only for reference.

