

Specialist in underground engineering equipment

Leading enterprise in comprehensive field of underground engineering

Supplier of complete underground engineering solutions



SWDM240-2

MULTIFUNCTIONAL ROTARY DRILLING RIG

- ◆ Max. Pile Diameter: 2000mm
- ◆ Operating Weight: 79t
- ◆ Rated Power: 298kW@2000rpm

▶ Performances and Features

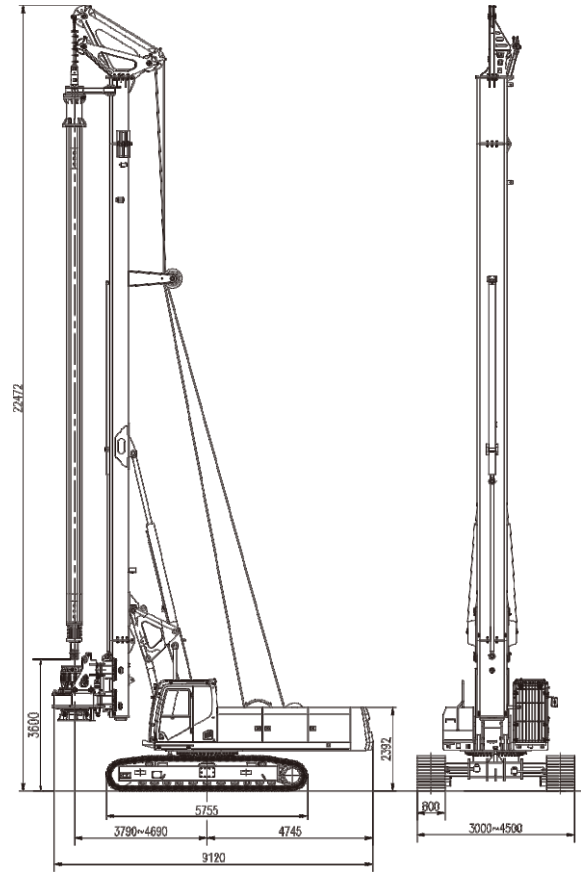
- ◆ **Strong Power**
The super-powerful high-pressure common rail engine ensures sufficient power storage.
- ◆ **Highly Efficient Construction**
Highly adaptable to industrial and civil construction; Fast main winch with large lifting capacity and high-speed rotary head ensures excellent construction 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.



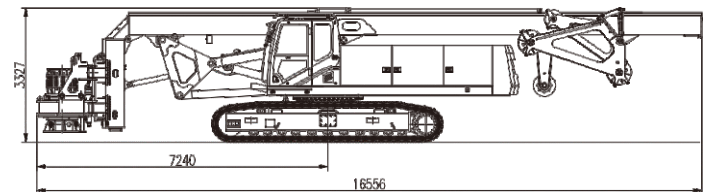
► Technical parameters

ITEM		UNIT	SWDM240-2
Drilling	Max. Pile Diameter	mm	2000
	Max. Pile Depth	m	69/54
Engine	Brand		Cummins
	Model		QSM11-C400
	Rated Power	kW@rpm	298@2000
Rotary Head	Max. Torque	kN.m	250
	Rotation Speed	rpm	6~32
	High-Speed Soil Throwing (optional)	rpm	70
Main Winch	Max. Line Pull	kN	280
	Max. Line Speed	m/min	72
	Rope Diameter	mm	32
Crowd System	Max. Pressure	kN	210
	Max. Line Pull	kN	240
	Max. Stroke	mm	5000
Auxiliary Winch	Max. Line Pull	kN	80
	Max. Line Speed	m/min	58
	Rope Diameter	mm	20
Drill Mast	Lateral Inclination	°	±5
	Forward & Rearward Inclination	°	5/90
Chassis	Crawler Width	mm	800
	Track Retraction and Extension Width	mm	3000~4500
	Chassis Length	mm	5755
Overall Machine	Working Height	mm	22504
	Operating Weight	t	79

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
SWDM240-2	440-5X15m	69	11900		SWDM240-2	440-4X15m	54	10700	Standard
	440-5X11m	49	9200			440-4X11m	39	8200	

※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.

