

Specialist in underground engineering equipment

Leading enterprise in comprehensive field of underground engineering

Supplier of complete underground engineering solutions



SWDM240A

MULTIFUNCTIONAL ROTARY DRILLING RIG

◆Max. Pile Diameter:1800mm ◆Operating Weight:79t ◆Rated Power:298kW@2000rpm



◆ 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 shall be assistant to place the pile casing on the hole mouth and makes the chassis maintenance easier.

◆ Outstanding Stability

The luffing mechanism with dual boom and dual cylinder offers good stability and excellent pile quality; Laid with one single layer in the condition of full drilling depth, the main winch steel rope has long service life.

◆ 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 stratums.

◆ Safe Working

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

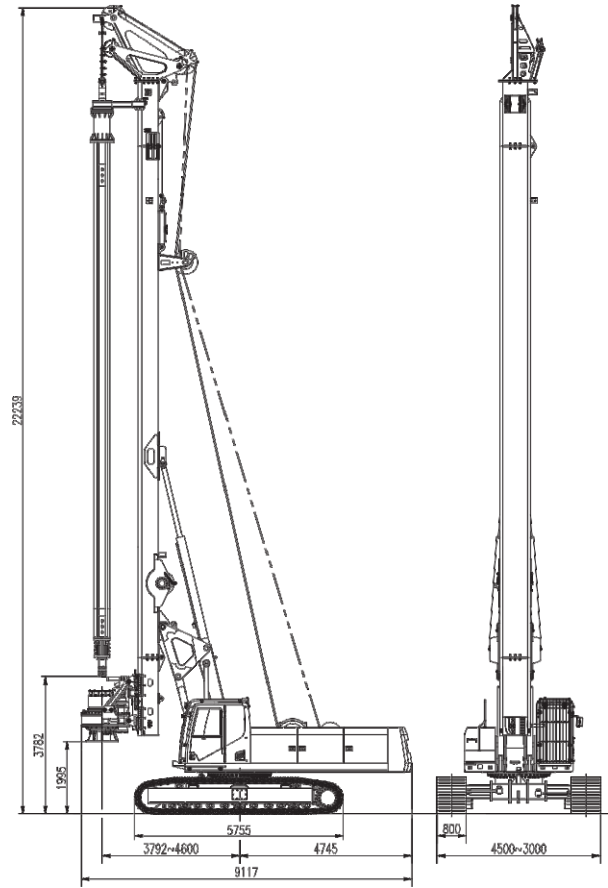
◆ Intelligent Control

Alarms are sent out by the failure self-diagnosis system; the operation parameters are displayed in real-time; The solenoid handle controls the drilling in fixed speed; 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.

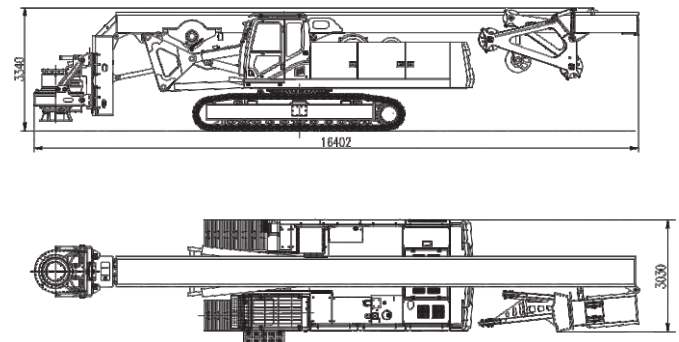
► Technical parameters

ITEM		UNIT	SWDM240A
Drilling	Max. Pile Diameter	mm	1800
	Max. Pile Depth	m	69/54
Engine	Brand		Cummins
	Model		QSL11-C400
	Rated Power	kW@rpm	298@2000
Rotary Head	Max. Torque	kN.m	248
	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	15800
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	22275
	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
SWDM240A	440-5X15m	69	11900		SWDM240A	440-4X15m	54	10700	Standard

※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.

