

Specialist in underground engineering equipment

Leading enterprise in comprehensive field of underground engineering

Supplier of complete underground engineering solutions



SWDM130

MULTIFUNCTIONAL ROTARY DRILLING RIG

- ◆ Max. Pile Diameter: 1300mm/2000mm
- ◆ Operating Weight: 37.5t
- ◆ Rated Power: 124kW@2050rpm

▶ Performances and Features

◆ High Flexibility and Multiple Purposes

It's a special construction machine for electric tower pile. After the disassembly of lower drill mast, the construction of 2m hole diameter can be satisfied; High and low configuration of drill mast enables the arbitrary shifting of machine height between 13.6 m and 11.6m; When Kelly is installed, auxiliary winch is able to lower 1.4m steel reinforcement cages without the assistant of a crane, doubling the working efficiency.

◆ Special Chassis

Powerful driving force for travelling makes high-speed moving on the wild and rural roads possible; 40% gradeability is applicable for the working condition of mountain areas.

◆ Powerful Drilling

Rotary head is equipped with dual-motor dual reduction gearbox. It also can be installed with high-speed soil throwing device of 70r/min as optional configuration. Large torque and high speed rotation ensures high construction efficiency.

◆ Easy Transport

It's not beyond the transport limit even if transported with Kelly.

◆ Intelligent Control

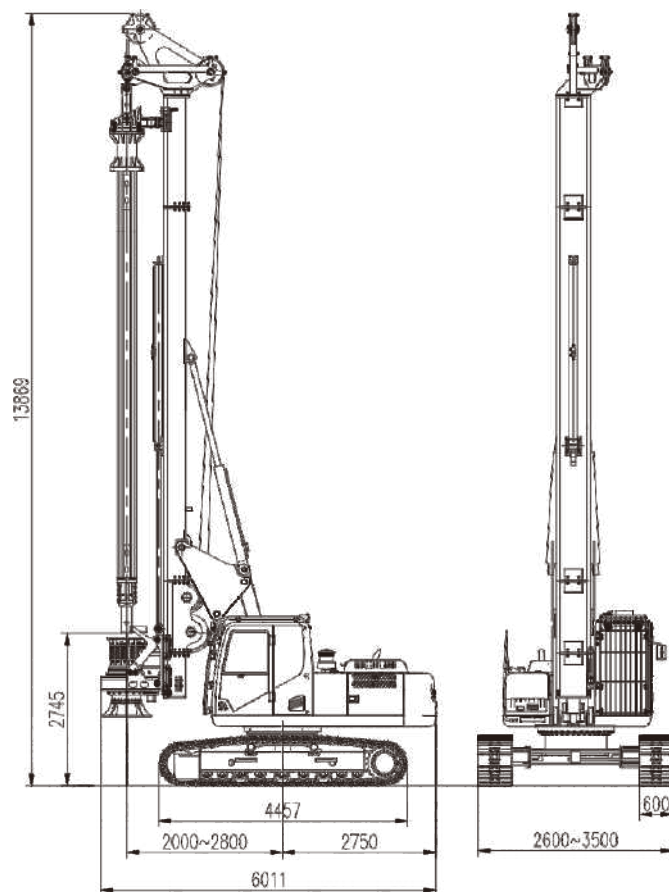
Alarms are sent out by the failure self-diagnosis system; the operation parameters are displayed in real-time; The solenoid handle controls the drilling in fixed speed; the drill mast is erected and lowered by one-key pressing. Bottom protection is equipped for the Kelly, making the operation easy; Sunward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



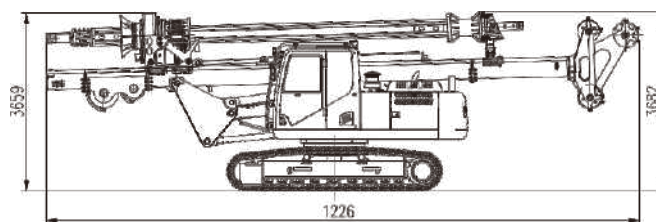
► Technical parameters

ITEM		UNIT	SWDM130
Drilling	Max. Pile Diameter	mm	1300(2000)
	Max. Pile Depth	m	35/28
Engine	Brand		Cummins
	Model		QSB7-C166
	Rated Power	kW@rpm	124@2050
Rotary Head	Max. Torque	kN.m	130
	Rotation Speed	rpm	6~32
	High-Speed Soil Throwing (optional)	rpm	70
Main Winch	Max. Line Pull	kN	135
	Max. Line Speed	m/min	78
	Rope Diameter	mm	22
Crowd System	Max. Pressure	kN	120
	Max. Line Pull	kN	130
	Max. Stroke	mm	3000
Auxiliary Winch	Max. Line Pull	kN	50
	Max. Line Speed	m/min	50
	Rope Diameter	mm	16
Drill Mast	Lateral Inclination	°	±3
	Forward & Rearward Inclination	°	4/89
Chassis	Crawler Width	mm	600
	Track Retraction and Extension Width	mm	2600~3500
	Chassis Length	mm	4457
Overall Machine	Working Height	mm	13869
	Operating Weight	t	37.5

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
SWDM130	355-5X8m	35	4600	Standard	SWDM130	355-4X8m	28	5000	

※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.

