

Specialist in underground engineering equipment

Leading enterprise in comprehensive field of underground engineering

Supplier of complete underground engineering solutions



# SWDM300HA

## MULTIFUNCTIONAL ROTARY DRILLING RIG

◆Max. Pile Diameter:2300mm   ◆Operating Weight:105t   ◆Rated Power:298kW@2000rpm



### ◆ Powerful and Efficient

Equipped with a large displacement motor reduction gearbox, the rotary head has large torque, high rotation speed and strong rock drilling ability. Main winch lifts and lowers in high speed as the installation of large flow pump valve, offering great construction efficiency.

### ◆ Hidden Outriggers

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.

### ◆ Safe Working

Rotary head with vertical pin roll, high-strength mast, dual-boom luffing mechanism and reinforced telescopic chassis make the machine durable, reliable and adaptable. Good working safety is also ensured by multi-angle surveillance cameras and sound and light alarms.

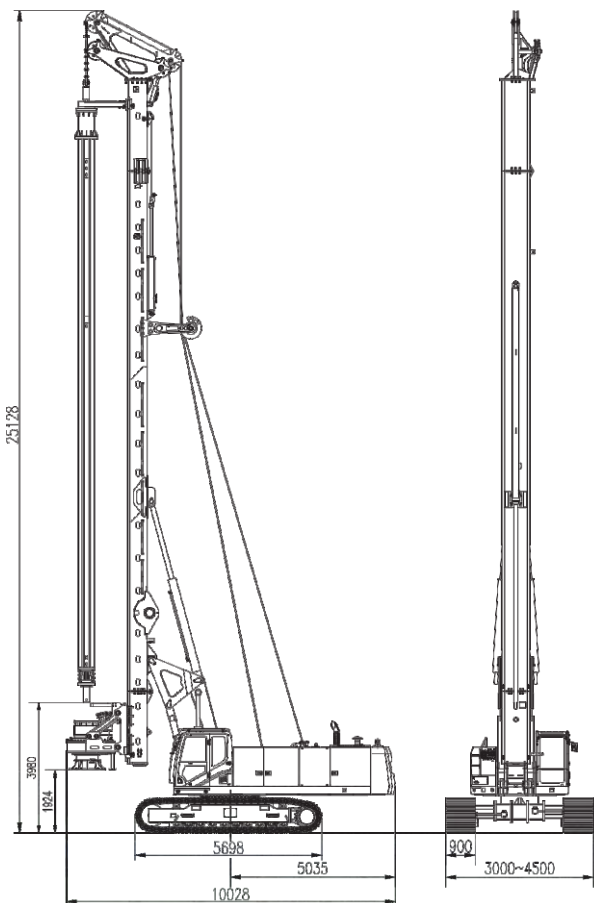
### ◆ Intelligent Control

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 easy; Sunward Auspicious Cloud APP provides synchronous data transmission and real-time machine monitoring.

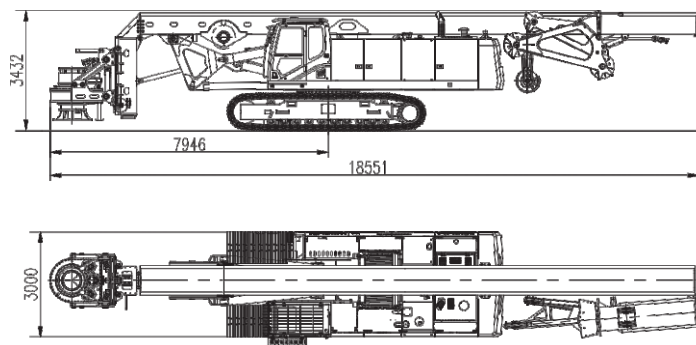
## ► Technical parameters

ITEM		UNIT	SWDM300HA
Drilling	Max. Pile Diameter	mm	2300
	Max. Pile Depth	m	95/62
Engine	Brand		Cummins
	Model		QSM11-C400
	Rated Power	kW@rpm	298@2000
Rotary Head	Max. Torque	kN.m	320
	Rotation Speed	rpm	6~32
	High-Speed Soil Throwing (optional)	rpm	/
Main Winch	Max. Line Pull	kN	330
	Max. Line Speed	m/min	80
	Rope Diameter	mm	32
Crowd System	Max. Pressure	kN	260
	Max. Line Pull	kN	280
	Max. Stroke	mm	17000
Auxiliary Winch	Max. Line Pull	kN	110
	Max. Line Speed	m/min	65
	Rope Diameter	mm	24
Drill Mast	Lateral Inclination	°	±4
	Forward & Rearward Inclination	°	5/90
Chassis	Crawler Width	mm	900
	Track Retraction and Extension Width	mm	3000~4500
	Chassis Length	mm	5700
Overall Machine	Working Height	mm	24830
	Operating Weight	t	105

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
SWDM300HA	508-6X17m	95	17000		SWDM300HA	508-4X17m	62	15800	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.

