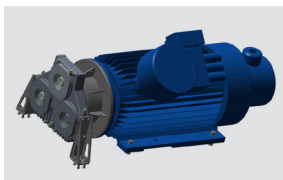


# Modular Drilling Rig



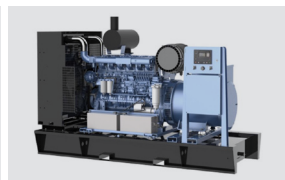
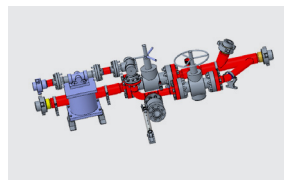
## Powerful & Energy-Efficient

- Equipped with two 450kW explosion-proof variable frequency motors, delivering 12.5% more power than competitors.
- Featuring the world's first variable-speed shifting cylinder technology, tripping speed is increased by 25%.
- Compared to diesel engines, electric motors reduce energy consumption by over 50%.



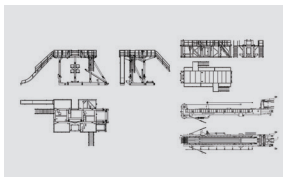
## Comprehensive Configuration & Multi-Process Capability

- Equipped with mud manifold, air manifold, foam pump, and other systems to support various drilling methods, including mud drilling, air drilling, foam drilling, and reverse circulation with air.
- Standard configuration includes dual 800kW generator sets, compatible with both diesel and electric power sources.



## Modular Design & Efficient Transportation

- The main unit's three-module design, combined with the accessory trailer, requires only four truckloads for transport. The system features simplified assembly and integrated self-propelled walking capability for short-distance repositioning after installation.
- Low-position assembly and automatic hoisting mechanism minimize the risks associated with high-altitude installation.



## Intelligent Integration & Automated Control

- Equipped with an integrated display screen for real-time visualization and monitoring of key drilling parameters, enabling automatic pressure adjustment during drilling operations.
- One-touch integrated control, featuring multiple tool integration and interlocking, allowing a single-operator to perform fully automated control of both the main equipment and auxiliary units.



## Parameter sheet

Name		Unit	SZJ2250M
Maximum Hook Load		kN	2250
Maximum Feed Force		kN	320
Nominal Drilling Depth (4 1/2)		m	4000
Main Power Motor	Power / rpm	kW/rpm	450×2/1490
Hydraulic Top Drive	Low Gear Torque / Speed	kNm/rpm	45/0-90
	High Gear Torque / Speed	kNm/rpm	22.5/0-180
	Fast Hoisting Speed	m/min	60
	Fast Lowering Speed	m/min	60
	Stroke	m	16.2
	Spindle Bore Diameter	mm	152
Rotary Table	Max Pass-Through Diameter	mm	952.5
	Deck Height	m	6.4
	Derrick Clear Height	m	5.4
Tool Hoist	Max Hoisting Force	kN	50
Iron Roughneck	Max Torque	kNm	125
	Gripping Range	"	2 3/8-9 5/8
Air-Mud Manifold	Max Pressure	Mpa	35
	Bore Diameter	mm	102
Transport Dimensions (L × W × H)	Derrick & Power	m	14.9×3×3.6
	Substructure		12×3×2.9
	Auxiliary Substructure		10×3×3
Total Weight of Main Unit		t	115

## Project Cases



Changsha Huanghua International Airport, China



Zhuozhou, Hebei, China