

# XZ500 水平定向钻机

## SERIES HORIZONTAL DIRECTIONAL DRILL

XZ500水平定向钻机结构紧凑，造型美观，采用了多项先进的控制技术与本公司专有技术，主要性能参数和控制技术达到了国际先进水平。液压系统、电气系统、传动系统等主要元件选用国内外品牌产品，可靠性高。

XZ500A horizontal directional drilling rig with the integral and aesthetic design adopts various advanced technologies and the proprietary technologies of the company, and its main performance parameters and control technologies have reached the international advanced level. The main components of hydraulic system, electrical system and transmission system are of top-grade domestic and international brand, and high reliability.

### 技术特点

液压系统：采用了闭式节能回路、液压先导控制、电液比例控制等多项先进的控制技术。

回转：马达减速机驱动，两档速度可调。

推拉：齿轮齿条推拉，两档无级调速，工作效率高。

驾驶室：单人驾驶室带空调，操作轻松舒适。

发动机：涡轮增压发动机，功率储备大，确保钻进功率需要。

钻架：高强度钻架，适用4.5米钻杆；钻架可滑动，角度调节方便。

钻杆夹持器：可移动夹持器和随车起重机使装卸钻杆高效省力。

履带：钢履带自行式，移动转场方便。

线控行走：方便操作，高低速可调。

监测保护：发动机、液压压力、过滤等多种参数监测报警，有效保护机器安全。

### Technology Characteristics

Hydraulic system: Various advanced control technologies such as the closed energy-saving circuit, hydraulic pilot control and electro-hydraulic proportional control are adopted.

Rotation: Driven by motor reducer to operate at two gear speeds.

Push-pull: Rack-and-pinion push-pull, stepless speed regulating with two gears and high working efficiency.

Cab: All weather single cab endures the comfortable operation.

Engine: The turbocharged engine with high power reserve ensures the drilling power.

Drill stand: High-strength assembled drill stand is suitable for 4.5-meter drill rod; the sliding drill stand facilitates the angle adjustment.

Drill rod holder: Removable holder and on-board crane make the dismounting and mounting of drill rod more efficient and easier.

Crawler: Self-propelled steel crawler makes the machine easy to transfer.

Wire-controlled travel: Wire-controlled travel makes it easy to operate the machine and adjustable at high/low speed.

Monitoring protection: Various parameters of engine, hydraulic pressure and filtration are monitored with alarm so that the machine can be protected effectively.



## 主要技术参数 Main Technical Specification

型号 Model	XZ500
发动机型号 Engine	康明斯CUMMINS
发动机额定功率 Rated power	194 kW
推拉方式 Push-pull	齿轮齿条 Rack and pinion
最大回拖 / 进给力 Max.pullback/thrusting	500/500 kN
动力头最大扭矩 Spindle torque (max)	18000 N.m
动力头转速 Spindle speed	0 ~ 108r/min
动力头行进速度 Travelling speed of power head	20m/min
最大回扩孔直径 Backreaming diameter	Φ 1000mm
钻杆长度 (单根) Pipe length(single)	4.5m
钻杆直径 Pipe diameter	φ 89mm
入土角度 Entry angle	10~20°
泥浆最大流量 Mud flow rate (max)	600 L/min
泥浆最大压力 Mud pressure (max)	100 bar
整机质量 Overall weight	18000kg
外形尺寸 (长x宽x高) Dimension (LxWxH)	9300X2750X2930 mm

