

XZ1500 水平定向钻机

SERIES HORIZONTAL DIRECTIONAL DRILL

XZ1500型水平定向钻机为一体式全自载式设计，采用了闭式节能回路、电液比例控制、负荷敏感控制等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。液压系统等主要部件选用国际名牌产品，可靠性高。

The XZ1500 horizontal directional drilling rig with the integral and self-loading design adopts various advanced control technologies such as the closed energy saving circuit, electro-hydraulic proportional control and load sensing control as well as the proprietary technologies of the company. Its main performance parameters and control technologies have reached the domestic advanced level. The main components of hydraulic system are of top-grade domestic and international brand, and high reliability.

性能特点:

发动机为康明斯六缸水冷式涡轮增压发动机，功率储备大，保证钻机能在各种复杂地质条件下，完成铺管作业。

采用了先进的闭式节能回路、负荷敏感控制、电液比例控制等多项先进的控制技术，配备出色的过滤装置，进口元件，高效节能可靠。

动力头采用齿轮齿条推拉，三档无级调速，工作平稳高效。

高强钻架，适应不同长度钻杆；油缸驱动的可滑动钻架，施工角度调节方便。

采用虎钳、动力头双浮动技术，有效减轻钻杆螺纹磨损，延长钻杆使用寿命，卸扣高效可靠。

Performance characteristics

The engine is a six-cylinder water-cooled turbocharged Cummins engine with large power reserve, enabling the drilling rig to complete pipeline laying work under various complicated geological conditions.

The hydraulic system adopts many advanced control technologies such as energy saving circuit, load sensing control as well as electro-hydraulic proportional control. The main components are imported products which are efficient, energy-saving and reliable.

The unit head adopts rack-and-pinion push-pull, stepless speed regulating with three gears, ensuring stable and efficient operation.

High-strength drill stand is suitable for drill rods of different lengths, and cylinder driven sliding drill stand facilitates the adjustment of angle for construction.

Vice and unit head double-floating technologies are adopted, which effectively reduce wear of drill rod thread and extend the service life of drill rod. The shackle is efficient and reliable.



主要技术参数 Main Technical Specification

型号 Model	XZ1500
发动机型号 Engine	康明斯 CUMMINS
发动机额定功率 Rated power	392kW
推拉方式 Push-pull	齿轮齿条 Rack and pinion
最大回拖 / 进给力 Max.pullback/thrusting	1500/1500kN
动力头最大扭矩 Spindle torque (max)	60000N.m
动力头转速 Spindle speed	0-80r/min
动力头行进速度 Travelling speed of power head	23 m/min
最大回扩孔直径 Backreaming diameter	Φ 1200mm
钻杆长度 (单根) Pipe length(single)	9.6m
钻杆直径 Pipe diameter	Φ 127mm
入土角度 Entry angle	8-18°
泥浆最大流量 Mud flow rate (max)	1200L/min(外接)
泥浆最大压力 Mud pressure (max)	200bar
整机质量 Overall weight	41000kg
外形尺寸 (长x宽x高) Dimension (LxWxH)	16200x3150x3500mm

