

XZ400 水平定向钻机

SERIES HORIZONTAL DIRECTIONAL DRILL

XZ400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。

The XZ400 horizontal directional drilling rig with compact structure and aesthetic design adopts various advanced control technologies and the proprietary technologies of the company. Its main performance parameters and control technologies have reached the international advanced level. The hydraulic system, electrical system and transmission system and other main components are of top-grade domestic and international brand products with high reliability.

技术特点

动力强劲：采用179kW柴油发动机，具有涡轮增压特性，保证钻机能在各种复杂地质条件下，完成辅管作业。

双速动力头：钻进、回拖时低速运行，确保顺利施工；接卸钻杆空载往返时，动力头可加速滑动，减少辅助时间，提高工作效率。

钢履带：可适应各种泥泞路面。

浮动式虎钳：应用我公司专利技术的浮动式虎钳，可有效延长钻杆的使用寿命。

可旋转操作台：加大操作员视野范围，减轻操作员疲劳，使操作钻机更加简单舒适。

操作简单：动力头旋转及动力头推拉分别操作，整机操作方便简单，操作手通过较短时间培训，就能掌握钻机操作。

保养方便：发动机罩设计合理，发动机保养及液压系统更换滤芯时，简单方便。

Technology Characteristics

High power: it adopts 179kW diesel engine with the feature to increase turbine torque, ensuring that drilling rig can lay the pipes well in various complicated geological conditions.

Dual speed unit head: it operates at low speed when drilling and back-dragging to ensure that it works smoothly; it can slide more quickly when the rod breaker moves back and forth under unloaded condition to reduce the auxiliary time and improve work efficiency.

Steel crawler: adaptable to various slurry roads.

Floating-type vise: it can effectively extend the service life of the drill rod to apply the proprietary floating-type vise of the company.

Rotatable control console: it can extend the visual field and reduce the fatigue of the operator to make the drilling rig operation simpler and more comfortable.

Easy operation: The operation can be available by rotating and pushing and pulling the power head respectively, and it is easy for operator to operate the whole drilling rig after a short-term training.

Convenient maintenance: it is easy to carry out the engine maintenance and replacement of filter element for the hydraulic system because of the rational design of the engine hood.



主要技术参数

Main Technical Specification

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| 型号 Model | XZ400 |
| 发动机型号 Engine | 康明斯CUMMINS |
| 发动机额定功率 Rated power | 179 kW |
| 推拉方式 Push-pull | 齿轮齿条 Rack and pinion |
| 最大回拖 / 进给力 Max.pullback/thrusting | 400/400 kN |
| 动力头最大扭矩 Spindle torque (max) | 14000 N.m |
| 动力头转速 Spindle speed | 0 ~ 100 r/min |
| 动力头行进速度 Travelling speed of power head | 20m/min |
| 最大回扩孔直径 Backreaming diameter | Φ900mm |
| 钻杆长度 (单根) Pipe length(single) | 3m |
| 钻杆直径 Pipe diameter | φ83mm |
| 入土角度 Entry angle | 10~23° |
| 泥浆最大流量 Mud flow rate (max) | 450 L/min |
| 泥浆最大压力 Mud pressure (max) | 100 bar |
| 整机质量 Overall weight | 12000kg |
| 外形尺寸 (长x宽x高) Dimension (LxWxH) | 7100X2250X2450 mm |

