

# XZ320B 水平定向钻机

## SERIES HORIZONTAL DIRECTIONAL DRILL

XZ320B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中国公司专有技术，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。

XZ320B 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

**动力强劲：**采用160kW大马力发动机，保证钻机能在各种复杂地质条件下，完成铺管作业。

**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。

**橡胶履带：**对道路、草坪和风景点的影响最小。

**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。

**钻杆自动装卸：**钻杆自动装卸装置，可以提高工作效率，减轻操作者的劳动强度，减少施工人数。

**自动锚固：**液压驱动，油缸和低速大扭矩马达控制锚杆的钻进和回提。操作简单方便。

**操纵简单：**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。

### Technical Characteristics

**High power:** 160kW horsepower engine is applied to ensure that the drilling rig can complete pipe laying operations under all kinds of complicated geological conditions.

**Two-speed unit head:** the unit head operates at a low speed during drilling and pullback to ensure smooth construction; and it can slide at an accelerating speed to reduce auxiliary time and improve work efficiency when the removable drill rod reciprocates with no-load.

**Rubber crawler:** it has a minimal impact on roads, lawns and scenic spots.

**Floating-type vise:** it applies the proprietary floating-type vise of the company, which can effectively extend the service life of the drill rod.

**Automatic handling device of drill rod:** It can improve efficiency, and reduce the operators' labor intensity and the number of construction personnel.

**Automatic anchoring:** hydraulic drive mode is applied, and the drilling and pullback of anchor is controlled by the oil cylinder and low-speed high torque motor; the operation is easy and convenient.

**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.



## 主要技术参数 Main Technical Specification

型号 Model	XZ320B
发动机型号 Engine	康明斯CUMMINS
发动机额定功率 Rated power	160 kW
推拉方式 Push-pull	油缸 Cylinder
最大回拖 / 进给力 Max.pullback/thrusting	320/200 kN
动力头最大扭矩 Spindle torque (max)	12000 N.m
动力头转速 Spindle speed	0 ~ 140 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	Φ800mm
钻杆长度 (单根) Pipe length(single)	3m
钻杆直径 Pipe diameter	φ73mm
入土角度 Entry angle	10~20°
泥浆最大流量 Mud flow rate (max)	320 L/min
泥浆最大压力 Mud pressure (max)	80 bar
整机质量 Overall weight	12100kg
外形尺寸 (长x宽x高) Dimension (LxWxH)	7100X2300X2450 mm

