

XZ180 水平定向钻机

SERIES HORIZONTAL DIRECTIONAL DRILL

XZ180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。

XZ180A horizontal directional drilling rig, which has compact structure and attractive appearance, adopts various advanced technologies and the proprietary technologies of the company, and its main performance parameters and control technologies have reached the world 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97kW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。

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。

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。

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。

Technical Characteristics

Strong power: 97kW horsepower engine is adopted 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.

Rotatable control desk: it widens the visual field and reduces the fatigue of the operator to make the drilling rig operation more simple and comfortable.

Automatic handling device of drill rod: This 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.

Convenient maintenance: the engine maintenance and replacement of filter element for the hydraulic system can be conducted easily due to the rational design of the engine hood.



主要技术参数 Main Technical Specification

型号 Model	XZ180
发动机型号 Engine	康明斯CUMMINS
发动机额定功率 Rated power	97kW
推拉方式 Push-pull	马达 Motor
最大回拖 / 进给力 Max.pullback/thrusting	180/180kN
动力头最大扭矩 Spindle torque (max)	6000 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	Φ600mm
钻杆长度 (单根) Pipe length(single)	3m
钻杆直径 Pipe diameter	φ60mm
入土角度 Entry angle	10~22°
泥浆最大流量 Mud flow rate (max)	250 L/min
泥浆最大压力 Mud pressure (max)	80 bar
整机质量 Overall weight	8500kg
外形尺寸 (长x宽x高) Dimension (LxWxH)	6400X2270X2340 mm

