

XZ320D 水平定向钻机

SERIES HORIZONTAL DIRECTIONAL DRILL

XZ320D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。

XZ320D 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160/140kW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。

钢履带配橡胶履带板：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。

辅助钻杆装卸装置：可以减少辅助工作时间，提高整机工作效率，减轻操作人员劳动强度。

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

High power: 160/140kW high 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.

Steel crawler equipped with rubber crawler plate: 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 console: it widens the visual field and reduces the fatigue of the operator to make the drilling rig operation more simple and comfortable.

Disassembling device for auxiliary drill rod: it can not only reduce auxiliary working time and improve the work efficiency of the overall unit, but also relieve operator's labor intensity.

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

型号 Model	XZ320D
发动机型号 Engine	康明斯CUMMINS/上柴Shanghai
发动机额定功率 Rated power	160/140 kW
推拉方式 Push-pull	齿轮齿条 Rack and pinion
最大回拖 / 进给力 Max.pullback/thrusting	320/320kN
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	11500kg
外形尺寸 (长x宽x高) Dimension (LxWxH)	7100X2250X2450 mm

