

XZ680 水平定向钻机

SERIES HORIZONTAL DIRECTIONAL DRILL

XZ680 型水平定向钻机为一体式全载式设计，采用了闭式节能回路、液压先导控制、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内先进水平。液压系统、传动系统、减速机、电器控制系统等主要部件选用国内外品牌产品，质量可靠。

The XZ680 horizontal directional drilling rig with the integral and self-loading design adopts various advanced control technologies such as the closed energy saving circuit, hydraulic pilot 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, transmission system, reducer and electric control system are of top-grade domestic and international brand, and high reliability.

技术特点

液压系统：采用了闭式节能回路、负荷敏感控制、电液比例控制等多项先进的控制技术，进口元件，质量可靠。

回转：低速大扭矩马达驱动，两档速度可调。

推拉：齿轮齿条推拉，两档无级调速，工作效率高。

操作：美国P+G电控手柄，电路简单可靠，灵敏度高。

发动机：涡轮增压发动机，功率储备大，确保钻进功率及应急需要，进口大功率分动箱，确保使用寿命。

钻架：高强度钻架，适应6米钻杆；钻架滑移油缸，角度调节方便。

钻杆夹持器：可分离夹持器和随车起重机使装卸钻杆高效省力。

线控行走：操作方便，高低速可调。

监测保护：发动机、液压压力、过滤等参数监测报警，有效保护机器安全。

应急操作：备有手动操作系统，以应付特殊情况，保护施工安全。

Technical Characteristics

Hydraulic system: Various advanced control technologies such as the closed energy saving circuit, load sensing control and electro-hydraulic proportional control are adopted. Imported elements can ensure the reliable quality.

Rotation: Driven by a low-speed high torque motor to operate at two gear speeds

Push-pull: Rack-and-pinion push-pull, stepless speed regulating with two gears and high working efficiency.

Operation: American P+G electric control handle with simple and reliable circuits and high sensitivity.

Engine: The turbocharged engine with high power reserve ensures the drilling power and emergent needs. The imported high-power transfer case ensures the service life.

Drill stand: High-strength assembled drill stand is suitable for 6-meter drill rod; the sliding drill stand facilitates the angle adjustment.

Drill rod holder: Separable holder and on-board crane make the dismounting and mounting of drill rod more efficient and easier.

Wire-controlled travel: Wire-controlled travel makes it easy to operate and adjustable at high/low speed.

Monitoring protection: Various parameters of engine, hydraulic pressure and filtration are monitored with alarm so that the machine can be protected effectively.

Emergent operation: It is equipped with manual operation system to provide protection in case of emergency.



主要技术参数 Main Technical Specification

型号 Model	XZ880
发动机型号 Engine	康明斯CUMMINS
发动机额定功率 Rated power	250kW
推拉方式 Push-pull	马达 Motor
最大回拖 / 进给力 Max.pullback/thrusting	680/680kN
动力头最大扭矩 Spindle torque (max)	27000 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	Φ 1000mm
钻杆长度 (单根) Pipe length(single)	6m
钻杆直径 Pipe diameter	φ 107mm
入土角度 Entry angle	10-18°
泥浆最大流量 Mud flow rate (max)	600 L/min
泥浆最大压力 Mud pressure (max)	100 bar
整机质量 Overall weight	23000kg
外形尺寸 (长x宽x高) Dimension (LxWxH)	11000X2800X3000 mm

