

电驱动钻机

ELECTRIC DRIVEN DRILLING RIGS

电驱动钻机性能特点：

- 1、钻机符合行业标准和API规范，主要部件具有API会标使用权；
- 2、交流变频电驱动钻机：采用变频调速和数字控制技术，根据需要调节绞车提升速度、转盘转速和泥浆泵冲次，提高绞车、转盘、泥浆泵的调速性能和功率利用率；绞车能耗制动省去了辅助刹车，简化了绞车结构；
- 3、直流电驱动钻机：采用AC-SCR-DC电传动系统，性能稳定，维护方便；绞车辅助刹车采用电磁涡流刹车或伊顿刹车；
- 4、绞车配套辅助驱动装置，可以实现井架起放，自动送钻和应急驱动；
- 5、旋升式或双升式底座，依靠绞车动力起升，实现钻台设备和井架低位安装。

Characteristics:

1. The rigs are in conformance with industry standards and API specifications, with major components licensed API monograms;
2. AC variable frequency motor driven rig adopts variable speed regulation and digital control technology to adjust drawworks hoisting speed, rotary speed and mud pump strokes, leading to enhanced speed regulation and power utilization for drawworks, rotary and mud pump. Dynamic braking of the drawworks motor can dispense the drawworks with auxiliary brake, making its structure more simplified;
3. DC motor driven drilling rig adopts AC-SCR-DC electrical transmission system to realize stable performance and easy maintenance. Eddy current brake or EATON brake can be installed on the drawworks for backup brake force;
4. The drawworks can be installed at ground level, An auxiliary drive is equipped to raise or lower the mast, to realize auto-driller or as drawworks emergency back-up drive;
5. The Electric Driven drilling rig adopts substructure of swing-up or sling shot type, either of which can be raised by drawworks and allow drill floor equipment and mast to be installed at ground level.

