

## 网电修井机

### GRID POWERED WORKOVER RIGS

#### XJ700 型网电修井机 永磁电机 + 自平衡井架

#### XJ700 GRID POWERED WORKOVER RIG PERMANENT MAGNET MOTOR+SELF BALANCED MAST

该型网电修井机是为了适应节能环保的需求而设计的一种单滚筒自走式修井设备。主要由专用车底盘、永磁同步变频电机直驱绞车总成、无绷绳自平衡井架、电控系统、液压系统、司钻房等部件组成，是满足油、水井小修作业需求的一种新型修井设备。

XJ700 grid powered workover rig is a single drum self-propel workover rig designed to meet the requirement of energy saving and emission reducing . It is mainly composed of special vehicle chassis, direct drive drawworks assembly controlled by permanent magnet synchronous variable frequency motor, self-balanced mast without guy line, electric control system, hydraulic system, operator's cabin etc. It is a new type for oil and water well minor repair.



#### 产品特点

1. 采用越野轮胎，整机越野性能强，离地间隙490mm；
2. 自平衡双节井架，无需绷绳、减少场地占用面积、缩短作业准备时间；
3. 永磁电机低转速大扭矩，直接驱动滚筒，传动效率高，可靠性高；
4. 采用电机能耗制动和电机悬停、液压盘式刹车及数字化控制技术；
5. 自平衡井架获得国家专利。

#### Features

1. Off-road tires for great cross-country capacity with ground clearance 490mm;
2. Self-balanced double section mast without guy line reduced site area and shortened preparation time;
3. Permanent magnet motor has its output speed controlled by low speed and high torque to directly drive the drum realizing higher transmission efficiency and stable reliability;
4. Technologies of motor dynamic braking, motor suspension, hydraulic disc brake and digital control are adopted;
5. Self-balanced mast obtained national patent.

#### 整机主要参数 Specifications

小修深度 m ( $2\frac{7}{8}$ (φ 73mm)) 油管 Drilling Depth,m ( $2\frac{7}{8}$ (φ 73mm))Tubing	3200
大钩额定钩载 kN Rated Hook Load,kN	400
大钩最大钩载 kN Max.,Hook Load,kN	700
绞车电机功率 kW Rated Power,Drawworks	90
井架高度 (离地) m Mast Height(Ground Clearance),m	21 (双节 Double Section Structure )
游动系统 Travelling System	4 × 3
大绳直径 mm Dia.,Wire Line, m/s	Φ 22
大钩起升速度 m/s Hoisting Speed,Hook, m/s	0-1.4
主刹车 Main Brake	液压盘式刹车 Hydraulic Disc Brake
辅助刹车 Auxiliary Brake	主电机能耗制动 Main Motor Dynamic Braking
主电机 Main Motor	稀土永磁高效三相同步电机 Rare Earth Permanent Magnet High Efficiency Three Phase Synchronous Motor
最大总质量 kgMax.Total Weight,kg	38000kg
外形尺寸 (长 × 宽 × 高) mm Overall Dimensions (L × W × H),mm	14553 × 3070 × 4320