

02 · WORKOVER RIG

Electric Drive and Control System of Workover Rig

Variable-frequency drive and control for XJ1350 to XJ1800 workover rigs.

XJ1350–1800

RIG MODELS

1200 kW

MAX WINCH INVERTER

1000 kVA

MCC MAIN TRANSFORMER

ET200SP

DRILLER'S CONSOLE

CONFIGURATION

Inverters sized to the rig.

Winch, mud pump and rotary table inverters share a common rectifier and brake unit. The MCC is fed by a 1000 kVA main transformer, with soft starters, air-conditioning cooling and an ET200SP driller's console.

RELATED FLYERS

HD-PRD-FLY-01-03

Drilling Rig VFD Control System

HD-PRD-FLY-04-02

AC Motor for Drilling Rig

TECHNICAL PARAMETERS

Parameter	XJ1350	XJ1600	XJ1800
Winch inverter	900kW	1000kW	1200kW
Mud pump inverter	500kW	710kW × 2	800kW × 4
Rotary table inverter	500kW	500kW	500kW
Rectifier	1727kW	1727kW	2800kW
Brake unit	808kW	1200kW	2400kW
MCC main transformer	1000kVA		
MCC feeder cabinet	800A		
Soft starter	45kW 3-circuit	45kW 4-circuit	45kW 4-circuit
Air-conditioning cooling	TWE(A) 075		
Driller's console	ET200SP		

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