

FDP-20 HORIZONTAL DIRECTIONAL DRILLING RIG

The FDP-20 is a full hydraulic Horizontal Directional Drilling Rig self-propelled with rubber crawler belts, integrated with power station and main power. It is convenient for moving and powerful of flexibility. Equipped with Cummins diesel engine, the rig is powerful with stable property. Adopting double-motor driven to the power head, the rotation will be steady with large torque. The power head equips with self-float shackle device to reduce the wearing of screw thread of the drilling rod, and then the operation will be easy and stable. All hydraulic hoses are covered into the protecting jacket to increase the service life. Convenient angle-adjusting cylinder, flexible adjusting of incidence drilling angle, adopting motor-chain mechanism to the feeding pull-back, the same thrust power and pulling capacity, effect the direction controlling at a long distance easily. Double-holder makes the rod loading and unloading efficient. The FDP-20 rig is with the advantages of full hydraulic driven, centralization control, easy and nimble to operate.

The Main Machine	
Power of Engine	Cummins 110KW@2200rpm
No. of Engine Cylinder	6
Max. Push capacity	200KN
Max. Pull capacity	200KN
Rated Torque	6000 N·M
Hollow Spindle RPM	Lower 0-70r/min
	High 0-140r/min
Feeding Stroke	3500 mm

Diameter of Guide Hole	Φ89 mm
Drilling Angle	8°—18°
Pressure of hydraulic system	20Mpa
Traveling speed	1.6 km/h
Structural Style	integrated with rubber crawler and mud pump
Dimension (L×W×H)	5900×2100×2000 mm
Weight	6500 kg
Mud Pump	
Specification	BW-160A
Max. Discharge	160 L/min
Peak Pressure	10 Mpa
Mud Process System	
Mud Tank	1.5M3
Drilling Tools and Auxiliary System	
Specification of Rod	Φ60×3000 mm
Guide Bit	Φ89 mm
Reamer	Φ179,Φ259,Φ313,Φ365,Φ417mm
Distributor	30T
Hydraulic anchor	Optional Part
Automatic loading device for drilling rod	Optional Part



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Tracker	Optional Part
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