

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	
Hollow Spillale RPM	High 0-140r/min	
Feeding Stroke	3500 mm	

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Diameter of Guide Hole	Ф89 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	Ф60×3000 mm	
Guide Bit	Ф89 mm	
Reamer	Ф179,Ф259,Ф313,Ф365,Ф417mm	
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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