

## FDP-28 HORIZONTAL DIRECTIONAL DRILLING RIG

### Introduction:

The FDP-28 directional drilling rig is driven with full hydraulic system, propelled with its own crawlers. The rig has a reasonable structure with easy operation and high efficiency. And the rig could get on and off standard trailer on its own and it is quick and convenient for transportation and allocation. With low center of gravity, the rig is durable and reliable and in good stability with graceful structure.



| The Main Machine       |                        |
|------------------------|------------------------|
| Power of Engine        | 132KW(177HP)@2200r/min |
| Max. Push capacity     | 280KN (62944 lbf)      |
| Max. Pull capacity     | 280KN (62944 lbf)      |
| Rated Torque           | 10000 N·M(7370 lbf·ft) |
| Hollow Spindle RPM     | Lower 0-56r/min        |
|                        | High 0-112r/min        |
| Feeding Stroke         | 3300 mm(130 inch)      |
| Diameter of Guide Hole | Φ130 mm(5.12 inch)     |

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| Drilling Angle                             | 0°—20°   |
| Pressure of hydraulic system               | 20Mpa(2901 psi)  |
| Traveling speed                            | 2-2.6 km/h(6560-8528 feet/h)                                       |
| Structural Style                           | integrated with rubber crawler and mud pump                        |
| Dimension (L×W×H)                          | 5700×2100×2000 mm(225×83×79 inch)                                  |
| Weight                                     | 8200 kg(18080 lb)  |
| <b>Mud Pump</b>                            |  |
| Specification                              | BW-250   |
| Max. Discharge                             | 250 L/min(66US Gallons/min)  |
| Peak Pressure                              | 10 Mpa(1450 psi)   |
| <b>Mud Process System</b>                  |  |
| Data of engine                             | 4KW(5.4HP) petrol engine   |
| Pump parameter                             | KGP30, 30 M3/h (1059 feet3/h)                                      |
| Mud processing capacity                    | 6 M3/h (212 feet3/h)   |
| Mud Tank                                   | 2M3 (71 feet3/h)   |
| <b>Drilling Tools and Auxiliary System</b> |  |
| Specification of Rod                       | Φ73×3000 mm(Φ2.87×118 inch)  |
| Guide Bit                                  | Φ130 mm(5.12 inch)   |
| Reamer                                     | Φ325,Φ400,Φ500,Φ600,Φ720mm<br>(Φ12.8,Φ15.7,Φ19.7,Φ23.6,Φ28.3 inch) |

|             |               |
|-------------|---------------|
| Distributor | 40T(88200 lb) |
| Tracker     | Optional Part |