

**FDP-300 HORIZONTAL DIRECTIONAL DRILLING RIG**


| <b>MAIN DRILL RIG</b>             |   |
|-----------------------------------|---|
| Max Feed Thrust / Feed Pull       | 3000KN(674400 lbf)  |
| Feed Thrust/ Feed Pull System     | Pinion and rack type, moving with 6 gears driving with three-speed gear shift, step less speed regulating<br>I shift:7.5m/min (24.6 feet/min)<br>II shift:18m/min (59 feet/min)<br>III shift:32m/min (105 feet/min) |
| Rotation driving                  | Gear transmission, step less speed regulating<br>I shift hollow spindle torque:98000N·m(72226 lbf·ft)@35r/min<br>II shift hollow spindle torque:49000N·m (36113 lbf·ft)@70r/min                                     |
| <b>Motor</b>                      |   |
| Manufacturer                      | Weichai Power Co., Ltd  |
| Rated Value                       | 610kW (840HP)   |
| Operational State                 | Thrust/Pull and rotation all can reach above mentioned max performance index.   |
| <b>Operator's cab</b>             |   |
|                                   | Equipped with air-conditioner   |
| <b>Dimension and Gross weight</b> |   |
| Dimension(L×W×H)                  | 14.5×3.15×3m (47.6×10.3×9.8 feet)   |
| Gross weight                      | 45000kg (99225 lb)  |

| <b>Mast Entrance Oblique Angle</b>   |  |
|--|--|
| 8-16°  |  |
| <b>Environmental Standard and Service</b>  |  |
| Engine emissions and noise meeting European II standard.   |  |
| <b>Drilling Tool</b>   |  |
| Drilling Rod to be used.   | 5" , 6 5/8"  |
| Reaming shell(cutting type)  | Φ425,Φ530,Φ680,Φ760,Φ900,Φ1100,Φ1350mm<br>(Φ16.7,Φ20.9,Φ26.8,Φ29.9,Φ35.4,Φ43.3,Φ53.1 inch) |
| <b>Shackles</b>  |  |
| Clamp holder centering by it, Shackles full distance moving.   |  |
| Clamper/ Break-out Tong  | Distance adjustable with accurate, stable and reliable breaking- out.                      |
| Max make-up torque   | 98000N·m (72226 lbf·ft)  |
| Max break out torque   | 196000N·m (144452 lbf·ft) (It can be designed according to the requirement of client.)     |
| <b>Mast of Rig</b>   |  |
| Length of mast 14.8 meters.(48.5 feet)   |  |
| <b>Hydraulic Mud Pump</b>  |  |
| Full Hydraulic driving, flux step less adjustable.   |  |
| Flux Rate  | 0-2200L/min (0-581 US Gallons/min)   |
| Pressure   | 0-10Mpa (0-1450 psi)   |
| <b>Chassis</b>   |  |
| Track Caterpillar Assembly Type  |  |
| <b>Accessory</b>   |  |
| Pressure, flux rate, and revolution and other more than ten data will be shown in figures. This is easy for analysis and judgment of problems and conditions in the performance process. |  |