

FDP-300 HORIZONTAL DIRECTIONAL DRILLING RIG



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

Mast Entrance Oblique Angle	
8-16°	
Environmental Standard and Service	
Engine emissions and noise meeting European II standard.	
Drilling Tool	
Drilling Rod to be used.	5" , 6 5/8"
Reaming shell(cutting type)	Φ425,Φ530,Φ680,Φ760,Φ900,Φ1100,Φ1350mm (Φ16.7,Φ20.9,Φ26.8,Φ29.9,Φ35.4,Φ43.3,Φ53.1 inch)
Shackles	
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.)
Mast of Rig	
Length of mast 14.8 meters.(48.5 feet)	
Hydraulic Mud Pump	
Full Hydraulic driving, flux step less adjustable.	
Flux Rate	0-2200L/min (0-581 US Gallons/min)
Pressure	0-10Mpa (0-1450 psi)
Chassis	
Track Caterpillar Assembly Type	
Accessory	
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.	