

SPECIFICATION OF DDW120/50

Dimensions	
Length/Width/Height	12200*2500*3000 mm
Entry angle	14-16°
Machine weight	25 ton
Operator station	
Cabin	Full closed, climate control with A/C
Rotation	0-900
Control system	Electronic self-diagnostic PLC
Visualization	10" inch touch screen monitor
Operation controls	Electronic & hyd joystick 2
Engine	
Make	Cummins
Rated power	264 KW
Rated speed	2200 rpm
Fuel tank capacity	540 L
Hydraulic system	
Max pressure (rotary & carriage)	38 Mpa
Max pressure (control sys.)	30 Mpa
Hydraulic tank capacity	800 L
Undercarriage	

Structure	Box welded frame,
Travel	Self-propelled on track crawler
Travel speed	0-2.5 km/h, forward & reverse
Track	Steel type with rubber pad
Track plate width	450 mm
Rear stabilizer	2
Mast	
Fluid channel	Yes
Transmission type	Rack & pinion
Hose carrier	Full length of chain type
Setup mode	Double cylinder
Rotary drive	
Rotary torque	50000 N.M
Rotary speed	100
Transmission	Gear box
Rotary shaft	NC50
Carriage	
Maximum thrust/pullback force	1200 KN
Max travel speed	46 m/min
Max travel distance	6.4 m
Stake down	
Anchoring type	Manual anchoring
Hole nos	3

Wrench assembly	
Type	Clamp jaw
Max breakout torque	100000 Nm
Max makeup force	940 KN
Pipe loader	
Type	One rod type pipe loader
Crane	
Lifting capacity	2 ton
Control	Out doors
Mud pump	
Type	On board
Volume	950 L/min
Maximum pressure	10 Mpa
Drill pipe	
Type	Φ127*6000 MM
Thread	NC50
Tools	
Back reamer Diameter	330, 430, 530, 630, 730, 820, 920, 1050 mm

※ Closed cabin with A/C,on board crane, hydraulic anchor system, automatic pipeloader etc, can be optional equipment available at customer's request! ※

VARIETY OF USEFUL DOWN HOLE EQUIPMENT SUPPLIES



Special make drill pipe



Mud mixing unit



Fly Wing Backreamer



Expander Backreamer



Beacon housing and drill bit



Transmitter



Commander

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DDW120/50
HORIZONTAL DIRECTIONAL DRILL

DW/TXS CONSTRUCTION EQUIPMENT (BEI JING) CO., LTD.



The crane on board facilitates simple handling of the semi-automatic rod changing system.

Fully enclosed cab offers premium operator comfort and complete climate control.

DDW120/50

Heavy-duty stakedown system allows you to push or pull with full machine thrust and remain secure in virtually any drilling condition.

One rod pipe loader for a easy and fast adding and change of rods on the job site make the work more continuously.

Heavy-duty double rack-and-pinion thrust drive is field-proven to push/pull through long, tough bores.

Broad undercarriage with rubberised steel tracks- extremely mobile and selfsupporting, especially for the sensitive road in the municipal area. Large hood easily accessible for service and maintenance.



WRENCH SYSTEM

Open-top vise wrenches are angled toward the operator, excellent view of the tool joint when making up and breaking out pipe.



ROTARY & CARRIAGE

Drive slide with rack and pinion: Stepless adjustment of torque and revolution speed for optimal power transmission.



FLUID PUMP

Onboard, enclosed 800-L/min fluid pump for productive drilling at greater distances



ELECTRIC MONITOR

Equipped with 10 inch monitor screen showing the important drill data, like rotary speed, torque or thrust and pullback forces for the operator's timely control.