

SPECIFICATION OF DDW120/50

Dimensions		Structure	Box welded frame,	Wrench assembly	
Length/Width/Height	12200*2500*3000 mm	Travel	Self-propelled on track crawler	Type	Clamp jaw
Entry angle	14-16°	Travel speed	0-2.5 km/h, forward & reverse	Max breakout torque	100000 Nm
Machine weight	25 ton	Track	Steel type with rubber pad	Max makeup force	940 KN
Operator station		Track plate width	450 mm	Pipe loader	
Cabin	Full closed, climate control with A/C	Rear stabilizer	2	Type	One rod type pipe loader
Rotation	0-900	Mast		Crane	
Control system	Electronic self-diagnostic PLC	Fluid channel	Yes	Lifting capacity	2 ton
Visualization	10" inch touch screen monitor	Transmission type	Rack & pinion	Control	Out doors
Operation controls	Electronic & hyd joystick 2	Hose carrier	Full length of chain type	Mud pump	
Engine		Setup mode	Double cylinder	Type	On board
Make	Cummins	Rotary drive		Volume	950 L/min
Rated power	264 KW	Rotary torque	50000 N.M	Maximum pressure	10 Mpa
Rated speed	2200 rpm	Rotary speed	100	Drill pipe	
Fuel tank capacity	540 L	Transmission	Gear box	Type	φ127*6000 MM
Hydraulic system		Rotary shaft	NC50	Thread	NC50
Max pressure (rotary & carriage)	38 Mpa	Carriage		Tools	
Max pressure (control sys.)	30 Mpa	Maximum thrust/pullback force	1200 KN	Back reamer Diameter	330, 430, 530, 630, 730, 820, 920, 1050 mm
Hydraulic tank capacity	800 L	Max travel speed	46 m/min		
Undercarriage		Max travel distance	6.4 m		
		Stake down			
		Anchoring type	Manual anchoring		
		Hole nos	3		

※ 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 rodchanging 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 self-supporting, 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 screenshowing the important drill datas, like rotary speed, torque or thrust and pullback forces for the operator's timely control.