

SPECIFICATION OF DDW1100/320

Dimensions/Weight

HDD Rig	
Length/Width/Height	Weight
21600*3200*3550 mm	81 ton
Power pack	
Length/Width/Height	Weight
9000*2850*3300 mm	32 ton
Operating room	
Length/Width/Height	Weight
5000*2300*2200 mm	2 ton

Controls

Cabin	Container skid type operating room with A/C
Control system	Electronic self-diagnostic digital system
Visualization	10" inch touch screen monitor, 3 pieces

Engine

Make	Cummins
Rated power	550*4=2200 HP; 210*1=210 HP;
Rated speed	1900 rpm
Fuel tank capacity	3000 L

Hydraulic system

Max pressure (rotary & carriage)	42 Mpa
Max pressure (control sys.)	30 Mpa
Hydraulic tank capacity	2000 L

Undercarriage

Structure	Box welded frame,
Travel	Self-propelled on track crawler
Travel speed	0-1.0 km/h, forward & reverse
Track plate width	550 mm
Rear stabilizer	vertical

Mast

Transmission type	Rack & pinion
Rod support	Yes
Hose carrier	Full length of chain type
Mast stand	Yes
Drill angle	8-12°

Rotary drive

Rotary torque	320000 N.M
Rotary speed	90 r/min
Transmission	Gear box

Carriage

Maximum thrust/pullback force	11000 KN
Max travel speed	45 m/min
Max travel distance	12 m

Stake down

Anchoring type	Manual anchoring
Extra beam standing bars	Yes

Wrench assembly

Type	Quad jaw
Sliding on the mast	Yes
Max breakout torque	830000 Nm
Max makeup force	5200 KN

Electrical

Lights	Room, Wrench, Rotary
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Pipe loader

Type	One rod type pipe loader
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Crane

Lifting capacity	8 ton
Control	Outside room

Drill pipe

Type	φ194*9600 mm
Thread	Z140 IEU

Pilot drill bit

Beacon housing	Suitable For Wireless /Wireline Transmitter
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Tools

Back reamer Diameter	650, 850, 1050, 1250, 1450 MM
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※ Specifications for reference only, machine subject to upgrade without prior notice. ※

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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DDW1100/320

HORIZONTAL DIRECTIONAL DRILL

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

Sturdy drill mast made of high grade steel, heavy-duty double rack-and-pinion thrust drive is field-proven to push/pull through long, tough bores.

The crane on board facilitates simple handling of the rods, stacking boxes and add-on parts.

Engine efficiently delivers tremendous power to all drilling functions so you can get the job done faster.

Dual independent rear stabilizers are easy to set up and enhance stability on uneven or rough terrain.

Proven ground drive controller allows you to maneuver the drilling unit to a position that provides better visibility, easier loading/unloading and easier positioning.





OPERATING STATION

Comfortable and ease operating station in a big room with clear window and all around viewing is reachable while the job is being done.



DRILL & PULL UNIT

Powerful drilling and pull motors arranged on the rig work at the enough power from the engine group in power pack make the machine the most powerful and strong monster.



OPERATING ROOM

The super maxi rig is operated in a container type operating house with air conditioning system and store room separated arranged.



BEAM STRUCTURE

The unit of super maxi rig is equipped with the longest enough drill beam for uphold the most demandable force requirement and drill pipe allocation space.





DDW
1100/320



WE ARE MADE FOR
THE LONGEST AND
MOST TOUGH JOB
OF DRILLING!