

SPECIFICATION OF DDW500/180

Drilling rig

Length/Width/Height	19400*3260*3400 mm
Entry angle	8-12°
Unit weight	52 ton

Operator room

Length/Width/Height	6000*2500*2200 mm @ 2.0 ton
Environment control	Full closed, climate control with A/C
Control system	Electronic self-diagnostic PLC
Visualization	10" inch colour screen monitor * 3
Operation controls	Joysticks and levers

Power pack

Length/Width/Height	6000*2200*2800 mm @ 6.0 ton
Engine	Cummins
Rated power	410*2=820 KW
Rated speed	1900 rpm
Fuel tank capacity	1000 L

Hydraulic system

Max pressure (rotary & carriage)	40 Mpa
Max pressure (control sys.)	30 Mpa
Hydraulic tank capacity	1000 L

※ Specifications for reference only subject to change prior to notice.※

Undercarriage

Structure	Box welded frame, self-propelled on track crawler
Travel	
Travel speed	0-2.0 km/h, forward & reverse
Track	Steel type with rubber pad
Track plate width	550 mm
Rear stabilizer	vertical

Mast

Fluid channel	Yes
Transmission type	Rack & pinion
Rod support	Yes
Hose carrier	Full length of chain type
Setup mode	Cylinder
Mast stand	Yes

Rotary drive

Rotary torque	180000 N.M
Rotary speed	90 r/min
Transmission	Gear box
Rotary shaft	6 5/8 FH

Carriage

Maximum thrust/pullback force	5000 KN
Max travel speed	36 m/min
Max travel distance	12 m

Stake down

Anchoring type	Manual anchoring
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Wrench assembly

Type	Triple jaw
Sliding on the mast	Yes
Max breakout torque	360000 Nm
Clamp range	27 -254 mm

Pipe loader

Type	One rod type pipe loader
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Lighting

Lights	Room, Wrench, Rotary
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Crane

Lifting capacity	5 ton
Control	Outdoors

Drill pipe

Type	Φ 168*9600 mm
Thread	6 5/8 FH

Tools

Back reamer Diameter	530, 630, 730, 820, 920, 1050, 1250, 1450 mm
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VARIETY OF USEFUL DOWN HOLE EQUIPMENT SUPPLIES



Special make drill pipe



Mud mixing & recycling



Cutting type Backreamer



Cone type Backreamer



Beacon housing & drill bit



F5 & Transmitter



Paratrack 2

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DW/TXS

DDW500/180

HORIZONTAL DIRECTIONAL DRILL

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

DWTXS

STRONG ENOUGH FOR ANY JOB!

PULL FORCE: 500 TON
TORQUE: 180 K NM

Separated operating room and power pack gives the operator enough room to control and maintenance of the unit.

Full length maintenance walk way with fence makes it easy and safe for checking all parts above the chassis.

DDW500/180

POWERFUL BUT COMFORT!



Container structure, home use air conditioning, electronic dual joystick with clear buttons, one-piece big glass window gives the operator a complete easy view and control on the working rig in the operating room.



Drill condition data and rig movement can be easily seen from the monitoring screen in the room so the operator can get the information for all only within his chair.

HORIZONTAL
DIRECTIONAL DRILL **DWTXS**



Dual diesel engine power pack provide long lasting and consistent power for carriage and rotation at any difficult drill time.

Individual cooling system let the fluid always at the decent working temperature so the operator no need to worry about the working ground is desert or tropical.

DWTKS

Movable clamping, level adjusting pipe loader, onboard lifting crane, all these equipment make sure the rig can give a safe and efficient pipe handling work on the rig.



Steel track chassis equipped with individual engine for rig movement so the machine can be transit by itself and no need other traction for the short distance running.



Born for the big job, the powerful drill head gives unmatched power during the rotation and thrust or pulling of the pipe to make the operator always confidence of what he is doing.

Dual rod supporter on the anti-mud slippery beam let the rod even and stable before threaded into the shaft.



DURABLE AND TOUGH!

All connection by the quick couplings make the set up work easy and precise.

Broad anchoring board and rear supporting beam connected by the wire rope to give a stable anchoring during the maximum force pulling.