

SPECIFICATION OF DDW55/27

Dimensions		Structure	Box welded frame,	Wrench assembly	
Length/Width/Height	8500*2380*2500 mm	Travel	Self-propelled on track crawler	Type	Clamp jaw
Entry angle	15-17°	Travel speed	0-2.5 km/h, forward & reverse	Max breakout torque	71000 Nm
Machine weight	16 ton	Track	Steel type with rubber pad	Max makeup force	430 KN
Operator station		Track plate width	400 mm	Clamp range	70 -140 mm
Cabin	Full closed, climate control with A/C	Rear stabilizer	2	Thread greasing	Automatic
Rotation	0-900	Mast		Pipe loader	
Control system	Electronic & hyd	Fluid channel	Yes	Type	One rod type pipe loader
Operation controls	Joystick 2	Transmission type	Rack & pinion	Crane	
Engine		Hose carrier	Full length of chain type	Lifting capacity	2 ton
Make	Cummins	Setup mode	Double cylinder	Control	Out doors
Rated power	194 KW	Rotary drive		Mud pump	
Rated speed	2200 rpm	Rotary torque	27000 N.M	Type	On board
Fuel tank capacity	246 L	Rotary speed	136	Volume	760 L/min
Hydraulic system		Transmission	Gear box	Maximum pressure	10 Mpa
Max pressure (rotary & carriage)	35 Mpa	Rotary shaft	NC31	Drill pipe	
Max pressure (control sys.)	21 Mpa	Carriage		Type	Φ89*4500 mm
Hydraulic tank capacity	650 L	Maximum thrust/pullback force	550 KN	Thread	NC31
Undercarriage		Max travel speed	57 m/min	Tools	
		Max travel distance	4.8 m	Back reamer Diameter	330, 430, 530, 630, 730, 820, 920, 1050 mm
		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

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

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DDW55/27

HORIZONTAL DIRECTIONAL DRILL

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

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 on the sensitive road.

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

Renowned Prokolan rotary motor for a high torque performance and big impact absorption.

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



OPERATOR STATION

The cabin offers a panoramic view of the surroundings. The operating elements are clearly arranged and all functions and drilling parameters can be controlled without a problem via interactive control.



FLUID PUMP

Onboard, enclosed 760-l/min fluid pump for productive drilling at greater distances; flow rate can be adjusted simultaneously with thrust/pullback and rotation.



WRENCH SYSTEM

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



HYDRAULIC PUMPING

With proportional piston pump prolong the operative life and pressure in the drilling system.