

# WATER WELL DRILL **MODEL - DYNA -500**





# Water Well Drill - DYNA-500    Technical Specifications

## Capacity

6 ½”Dia bore holes to a depth of 152 m (500ft)

## Prime Mover

Truck mounted rig with power from truck engine through transfer gear box

## Drilling Method

Mud Rotary with direct circulation, dust destruction with injecting water,  
Air or foam. Drilling by drag bit (over burden) Rotary percussion with DTH hammer

## Mast

Box type structure

Max Capacity	10 tons (22080 lbs)
Height	8.20 m (27 ft)
Rod handling capacity	6.1 m (20 ft)

## Pull Up and Pull Down

Hydraulic cylinder over wire rope, Reeving Ratio 3:1

Max Pull up force	5,240 kgs ( 10,480 lbs)
Max pull up speed	39 m/min (128ft/min)
Max pull down force	2670 kgs (5,895 lbs)
Max pull down speed	50 m/min (167 ft/min)

## Hydraulic System

210 kg / cm2 (3000 psi)

## Hydraulic Oil Cooler

45 GPM Aluminium fin type cooler.

## Rotary Head

Rotary head is powered by one hydraulic motor

Max torque	27948 in - lbs (322kg - m)
Max speed	0 to150 rpm

## Jacks

Four hydraulic jacks with load hold valves.

## Water Injection Pump

Triplex reciprocating pump powered by hydraulic motor

## Break Out Wrench

Hydraulic break out cylinder of 350 mm Stroke to open drill pipe joints

## Rod Changer

Manually operated rod changer to handle single rods with 500 kgs capacity winch to lift drill pipe and tools.

## Optional Attachments

Welding machine, mud pump, diesel filling pump, skid platform.

## Suitable Compressor

1100 cfm, 350 psi / 1100 cfm, 300 psi / 900 cfm, 350 psi

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