WATER WELL DRILL
MODEL - DYNA -2000

DYNATECH

DYNATECH INDUSTRIES PVT.LTD.

PROSPAIR 415ATC

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Water Well Drill - DYNA-2000 Technical Specifications

Capacity

6 ½"Dia bore holes to a depth of 610 m (2000 ft)

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	18 tons (39,744 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	16,760 kgs (37,006 lbs)
Max pull up speed	39 m/min (128ft/min)
Max pull down force	10,210 kgs (22,544 lbs)
Max pull down speed	50 m/min (167 ft/min)

Hydraulic System

210 kg / cm2 (3000 psi)

Hydraulic Oil Cooler

50 GPM Aluminium fin type cooler.

Rotary Head

Rotary head is powered by one hydraulic motor

Max torque	38379 in - lbs (442kg - 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

Two Truck Arrangement

One for rig unit and second to carry the compressor

Dynatech Industries Pvt. Ltd.

An ISO 9001 : 2008 Company

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