



VELSON INDUSTRIES

Manufacture of Automatic Rigs & Equipment

3/48-D, THIRUNAGAR COLONY, KARUVEPPAMPATTI, SANKARI MAIN ROAD,
THIRUCHENGODE, NAMAKKAL (DT). - 637 304. TAMIL NADU. INDIA.

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MAIN CHARACTERS

CAPACITY	6" to 7.5" borehole to a depth of 600 mtr (2000 ft)
PRIME MOVER	Truck mounted rig with power from truck engine through PTO gear box
MAST	Box type structure Max capacity - 30 tons (67200 lbs) Height - 9 mtr. (29.5 ft) Rod handling capacity - 6.1mtr. (20 ft)
PULL UP AND PULL DOWN	Max Pull up force - 13500kgs (29762lbs) Max Pull up speed - 30.5 mtr/min (98ft/min) Max Pull down force - 9000kgs (19841lbs) Max Pull down speed - 45 mtr/min (147 ft/min)
HYDRAULIC SYSTEM	210 kg / cm ² (3000 psi)
HYDRAULIC OIL COOLER	70 LPM fin type cooler
ROTARY HEAD	Rotary head is powered by One hydraulic motor Max torque - 3 KN Max speed - 200 rpm
WATER INJECTION PUMP	Triplex reciprocating pump powered by hydraulic motor
OPERATING PANEL TYPE	Attached with corner of the Truck
BREAKOUT & HAMMER GRIPPER	Hydraulic Breakout & Hydraulic Hammer Gripper
AUTO ROD CHANGER	Auto rod changing system to handle 6.1 meter drill pipe of 4 1/2" OD with 2 rod gripper cylinder and 1 arm to raise and lower the drill pipe. It has equipped swing option 0-90 for coupling of drill rods to the drill head. A separate rod arm is provided to tilt the rod rack (Having a capacity to hold 71 Nos. of drill rods of 6.1 mtr long. The control for the rod changer is controlled by PLC system along with Hydraulic Solenoid valve The Deck has Provision to Accommodate 400 meters of drill pipes.
OPTIONAL ATTACHMENT	Mud Pump & Welding Set

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V2i D600 Automatic Drilling Rig

Productive and Reliable
Solution



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