

**GP-500 H ALL HYDRAULIC DTH – MUD ROTARY DRILLING RIG**

<b>Model</b>	:	
<b>GP - 500H</b>	:	Drill supplied with Air Compressor is suitable for DTH drilling only.
<b>GP - 500H MR</b>	:	Drill supplied with Mud Pump is Suitable for direct rotary drilling only.
<b>GP - 500H C</b>	:	Drill supplied with Air Compressor and Mud Pump is combination drill Suitable for DTH and Mud Rotary drilling.
<b>Rated Capacity</b>	:	150mm / 165 mm Dia. hole Up to 160 Mts. Depth by using 4 1/2" OD Drill Pipe & DTH Tools. 150mm / 165 mm Dia. hole Up to 160 Mts. Depth by using 4 1/2" OD Drill Pipe & R. R. Bit by Mud Circulation Method.
<b>Mast</b>	:	Structural Steel, Electrically welded, suitable for handling drill pipes and casing pipes load
<b>Standard</b>	:	Suitable for 4.5 Mts. long drill pipes.
<b>Optional</b>	:	Suitable for 3 Mts. OR 6 Mts. long drill pipes.
<b>Pull Down/Hoisting</b>	:	Through Hydraulic Cylinder and Chain / Wire Rope Combination.
<b>Hoisting Capacity</b>	:	8000 Kgs.
<b>Pull Down Force</b>	:	6000 Kgs.
<b>Rotation</b>	:	Top Drive Head through Hydraulic Motor/s
<b>Speed Standard</b>	:	0 - 60 RPM Infinite Variable speed and Constant Torque 200 Kg-mts.
<b>Speed Optional</b>	:	0 - 100 RPM Infinite Variable speed and Constant Torque 300 Kg-mts. 0 - 150 RPM Infinite Variable speed and Constant Torque 200 Kg-mts.
<b>Air Compressor</b>	:	Diesel engine driven, One / Two stage, rotary screw compressor 15.5 - 17.6 m <sup>3</sup> /min. at 10.55 Kg/cm <sup>2</sup> 14.2 - 25.5 m <sup>3</sup> /min. at 14.06 Kg/cm <sup>2</sup>
<b>Mud Pump</b>	:	
<b>Model</b>	:	GPS – 150 LW
<b>Type</b>	:	Duplex, Double Acting, Reciprocating Pump.
<b>Stroke &amp; Liner Size</b>	:	150 mm X 125 mm
<b>Disp. &amp; Pressure</b>	:	715 LPM @ 22.03 Kg/cm <sup>2</sup>
<b>Hydraulic System</b>	:	Two Circuits, 2 Hydraulic Pump delivering around 200 LPM Oil at 175 Kg/cm <sup>2</sup> Pressure. Along with Oil tank, Filter, Strainer, Air Breather, Control Valve, Rubber Hose, Pipe line.
<b>Leveling Jack</b>	:	4 Hydraulic Jack, 100 mm ID X 600 mm Stroke.
<b>Water Injection Pump</b>	:	Through Triplex Reciprocating Pump.
<b>Air Line Lubricator</b>	:	13.5 Liters capacity Air line lubricator.
<b>Prime Mover</b>	:	Hydraulic System and Mud Pump shall be driven by Truck engine through PTO. Compressor Shall be driven by It's Own Engine.
<b>Mounting</b>	:	Entire Drill including Air Compressor and Mud Pump shall be mounted on Single truck.
<b>OR</b>		
		Drill Module and Mud Pump shall be mounted on one truck and Air Compressor shall be mounted on another Truck.
<b>Optional</b>	:	Hole back system, Semi automatic feed & pressure control system, Hydraulic Break Out System, Hydraulic Winch, Rod Changer, Lighting & Welding Generator, etc.