

GP-1000 H ALL HYDRAULIC DTH – MUD ROTARY DRILLING RIG

Model	:
GP - 1000H	: Drill supplied with Air Compressor is suitable for DTH drilling only.
GP - 1000H MR	: Drill supplied with Mud Pump is Suitable for direct rotary drilling only.
GP - 1000H C	: Drill supplied with Air Compressor and Mud Pump is combination drill Suitable for DTH and Mud Rotary drilling.
Rated Capacity	: 150mm / 165 mm Dia. hole Up to 305 Mts. Depth by using 4 1/2" OD Drill Pipe & DTH Tools. 150mm / 165 mm Dia. hole Up to 305 Mts. Depth by using 4 1/2" OD Drill Pipe & R. R. Bit by Mud Circulation Method
Mast	: Structural Steel, Electrically welded, suitable for handling drill pipes and casing pipes load
Standard	: Suitable for 6 Mts. long drill pipes.
Pull Down/Hoisting	: Through Hydraulic Cylinder and Chain / Wire Rope Combination.
Hoisting Capacity	: 10700 Kgs.
Pull Down Force	: 7200 Kgs.
Rotation	: Top Drive Head through Hydraulic Motor/s
Speed Standard	: 0 - 60 RPM Infinite Variable speed and Constant Torque 200 Kg-mts.
Speed Optional	: 0 - 100 RPM Infinite Variable speed and Constant Torque 300 Kg-mts. 0 - 150 RPM Infinite Variable speed and Constant Torque 200 Kg-mts.
Air Compressor	: Diesel engine driven, One / Two stage, rotary screw compressor. 15.5 - 17.6 m ³ /min. at 10.55 Kg/cm ² 14.2 - 25.5 m ³ /min. at 14.06 Kg/cm ²
Mud Pump	:
Model	: GPS – 150 LW
Type	: Duplex, Double Acting, Reciprocating Pump.
Stroke & Liner Size	: 150 mm X 125 mm
Disp. & Pressure	: 715 LPM @ 22.03 Kg/cm ²
Hydraulic System	: Two Circuits, 2 Hydraulic Pump delivering around 200 LPM Oil at 175 Kg/cm ² Pressure. Along with Oil tank, Filter, Strainer, Air Breather, Control Valve, Rubber Hose, Pipe line.
Leveling Jack	: 4 Hydraulic Jack, 125 mm ID X 600 mm Stroke.
Water Injection Pump	: Through Triplex Reciprocating Pump.
Air Line Lubricator	: 13.5 Liters capacity Air line lubricator.
Prime Mover	: Hydraulic System and Mud Pump shall be driven by Truck engine through PTO. Compressor Shall be driven by It's Own Engine.
Mounting	: Entire Drill including Air Compressor and Mud Pump shall be mounted on Single truck.
OR	
	Drill Module and Mud Pump shall be mounted on one truck and Air Compressor shall be mounted on another Truck.
Optional	: Hole back system, Semi automatic feed & pressure control system, Hydraulic Break Out System, Hydraulic Winch, Rod Changer, Lighting & Welding Generator, etc.