

GP-1500 H ALL HYDRAULIC DTH – MUD ROTARY DRILLING RIG

- Model** :
- GP - 1500H** : Drill supplied with Air Compressor is suitable for DTH drilling only.
- GP - 1500H MR** : Drill supplied with Mud Pump is Suitable for direct rotary drilling only.
- GP - 1500H 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 460 Mts. Depth by using 4 1/2" OD Drill Pipe & DTH Tools.
200 mm / 215 mm Dia. hole up to 200 Mts. Depth by using 5 1/2" OD Drill Pipe & DTH Tools.
200 mm / 215 mm Dia. hole Up to 460 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** : 16000 Kgs.
- Pull Down Force** : 12000 Kgs.
- Rotation** : Top Drive Head through Hydraulic Motor/s
- Speed Standard** : 0 - 60 RPM Infinitive Variable speed and Constant Torque 400 Kg-mts.
- Speed Optional** : 0 - 100 RPM Infinitive Variable speed and Constant Torque 600 Kg-mts.
0 - 150 RPM Infinitive Variable speed and Constant Torque 400 Kg-mts.
- Air Compressor** : Diesel engine driven, One / Two stage, rotary screw compressor.
21.2 - 31.1 m³/min. at 17.58 Kg/cm²
25.5 - 31.1 m³/min. at 24.61 Kg/cm²
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| Mud Pump : | Standard | Optional |
| Model : | GPS – 150 LW | GPS - 200 |
| Type : | Duplex, Double Acting, Reciprocating Pump. | Duplex, Double Acting, Reciprocating Pump. |
| Stroke & Liner Size : | 150 mm X 125 mm | 200 mm X 140 mm |
| Disp. & Pressure : | 698 LPM @ 22.58 Kg/cm ² | 1180 LPM @ 23.84 Kg/cm ² |
- Hydraulic System** : Two Circuits, 2 Hydraulic Pump delivering around 400 LPM Oil at 175 Kg/cm² 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. OR Separate Deck Mounting Engine. 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.