

### GP 2000 DIRECT CIRCULATION DRILLING RIG

<b>Rated Capacity</b>	:	<b>Drill Pipe</b>	<b>Minimum Hole Dia.</b>	<b>Depth</b>
		73 mm	203 mm	610 Mts.
		89 mm	305 mm	370 Mts.
<b>Casing Load</b>	:	18,200 Kgs. Using double sheave Travelling Block, Dead end at frame.		
<b>Mast</b>	:	Z		
<b>Construction</b>	:	Tubular Steel, Electrically Welded.		
<b>Height</b>	:	11 Mts. above Rotary Table.		
<b>Gross Load Capacity</b>	:	31,820 Kgs.		
<b>Hook Load Capacity</b>	:	18,200 Kgs. With double sheave travelling block.		
<b>Raising and Lowering</b>	:	2 Hydraulic Cylinders.		
<b>Crown Block</b>	:	4 Sheave Plus 1 Catline Sheave.		
<b>Rotary Table</b>	:	Z		
<b>Type</b>	:	Spiral Bevel Gear Oil Bath lubrication		
<b>Opening</b>	:	120 mm OR 190 mm OR 250 mm		
<b>Retraction</b>	:	525 mm		
<b>Drive</b>	:	Drive through torque tube and disc type clutch		
<b>Kelly</b>	:	85.72 mm OR 104.77 mm Dia, 7.30 Mts. Long, 3 Fluted round kelly.		
<b>Pull Down (Optional)</b>	:			
<b>Type</b>	:	Through 2 Nos. Roller Chain & Hydraulic Motor with reducer.		
<b>Feed</b>	:	7 Mts.		
<b>Force</b>	:	8000 Kgs		
<b>Draw Works</b>	:	<b>Barrel Dia. X Length</b>	<b>Single Line Pull Bare Drum</b>	
<b>Hoisting Drum</b>	:	178 mm X 216 mm	6820 Kgs.	
<b>Sand Reel</b>	:	178 mm X 216 mm	6820 Kgs.	
<b>Clutch</b>	:	406 mm, 2 Plates mechanical type. (Air Clutch Optional)		
<b>Brakes</b>	:	470 mm X 100 mm Mechanical High Leverage type double equalised.		
<b>Drive</b>	:	By Chain.		
<b>Transmission</b>	:	Five speed forward, one speed reverse.		
<b>Sub Drive Case</b>	:	Suitable for mounting automotive gear box and to obtain hydraulic pump drive.		
<b>Hydraulic</b>	:	Pump fixed displacement vane type discharge & pressure 80 LPM @ 70.3 Kg/cm <sup>2</sup>		
<b>Mud Pump</b>	:	<b>Standard</b>	<b>Optional</b>	
<b>Model</b>	:	GPS – 200	GPS – 200H LW	
<b>Stroke &amp; Liner Size</b>	:	150 mm X 150 mm	200 mm X 175 mm	
<b>Disp. &amp; Pressure</b>	:	1361 LPM @ 20.74 Kg/cm <sup>2</sup>	1685 LPM @ 20.01 Kg/cm <sup>2</sup>	
<b>Drive</b>	:	"V" Belts / Chain.		
<b>Clutch</b>	:	Clow Clutch OR 203 mm, 3 Plates Mechanical.		
<b>Leveling Jack</b>	:	4 Mechanical Jack (Optional Hydraulic)		
<b>Lighting</b>	:	From truck battery or dynamo, optional separate lighting generator.		
<b>Controls</b>	:	Conveniently located.		
<b>Prime Mover</b>	:	Truck mounted version all components driven by same truck engine through PTO Skid / Trailer mounted Version all components driven by 100 HP Diesel Engine.		
<b>Mounting</b>	:	4 X 2, 4 X 4, 6 X 4 Truck Chassis OR Full / Semi Trailer Mounted.		
<b>Optional Available</b>	:	Hydraulic Break Out, Welding Generator, Lighting Generator, Mud Mixing Hopper, Low Rotary Speed for DTH Drilling, wire line hoist and Higher Rotary Speed Up to 750 RPM for Core drilling purpose.		