

**MODEL: ID500**  
**MAN-PORTABLE DRILL RIG**  
**SPECIFICATIONS**

**Engine:** Either 2 x Kubota V1505T 36 HP @ 3000Rpm ( **OR** 2 x Isuzu BB-4LE2 )

**Hydraulics:** 2 x fixed displacement gear pumps, 2 segments 70 litres and 30 litres @ 210 bar.

**Oil Cooler:** Hydraulically driven fan mounted on alloy cooler up stream of hydraulic tank

**Mast:** 2 section lattice boom construction, Allows 3.6 metres head travel via hydraulic cylinder, travelling block, wire rope and pulleys. Mast Length 7.5 Metres allows for 6 Metre rod pull, Mast angle 90 to 45 Degree from Horizontal

**Pull Back:** 5,250Kg @ 210 Bar

**Pull Down:** 1,880Kg @ 50 Bar

**Main Winch:** Hydraulically driven 3,640 Kg @ 175 bar, bare drum line pull, 23 Metres 13mm wire rope.

**Wire Line Winch:** 1800Kg @ 170 bar, bare drum line pull 550 metres 6mm wire rope.

**Rotation Head:** Oil bath 2 speed gear ratio 1:1 and 2:1 Vane motor driven  
1<sup>st</sup> gear: 520 Rpm single pump 1040 Rpm 2 pumps, Torque 372 Nm @ 175 bar  
2<sup>nd</sup> gear: 260 Rpm single pump 520 Rpm 2<sup>nd</sup> pump Torque 740 Nm @ 175 bar  
Hydraulically operated slide over head for rod pull.

**Control Panel:** All hydraulic functions are at the control panel, Engine start, stop, emergency stop, Engine warning system, Instrumentation all on control panel

**Head Traverse:** Fast feed 0.5 M per sec, slow feed 0-2 M per min, controlled by 2 manually adjustable relief valves for pull down and hold back

**Mast Dump:** 1.2 Metres stroke

**Foot Clamp:** Hydraulic single cylinder 2 jaw Tungsten insert to accommodate PQ/HQ/NQ

**Drilling Capacity:** PQ - 180 Metres / HQ – 350 Metres / NQ – 500 Metres.

**Approximate Overall Rig Weight:** 3,000Kg

**OFFICE ADDRESS**

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**TELEPHONE NUMBER**

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