

Technical Specification





A robust & efficient sample recovery reverse circulation drilling rig with a pull up force of 25800 kg capable of drilling 5 ½" diameters up to 400 m depth.

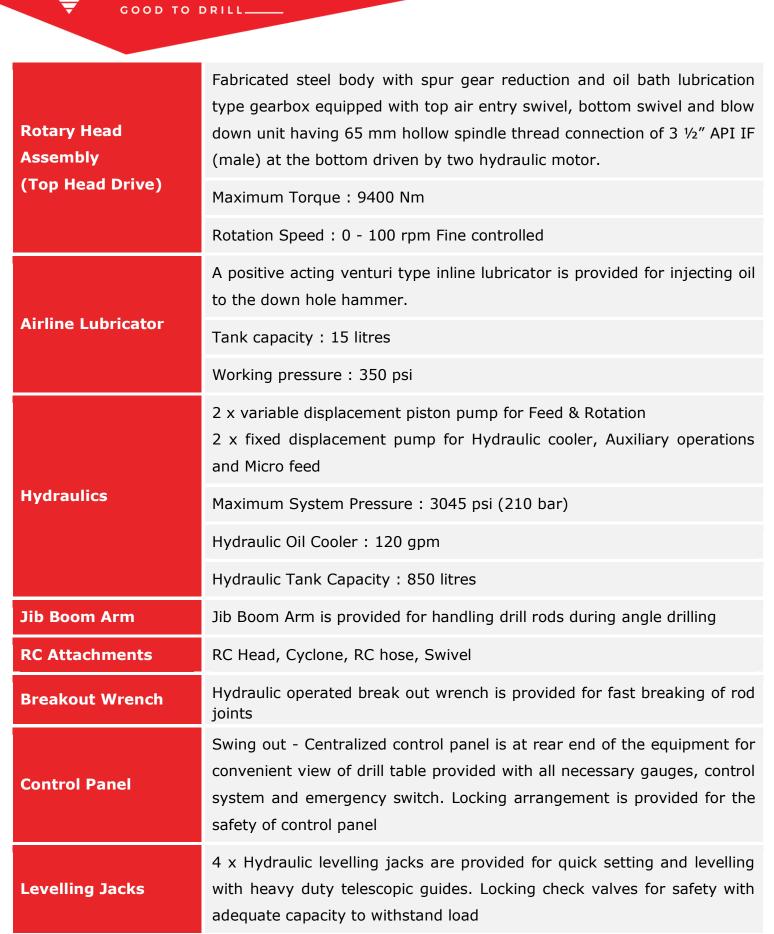
Note: The images provided here are for reference only and do not depict the exact specification outlined in this document.

PRD PS HD Rev: 00



Application	Surface Exploration
Capacity	RC : 400 m @ 140 mm (5 ½") diameter
Drilling Angle	45° to 90°
Prime Mover*	Rig hydraulic system is powered from suitable Deck engine 260 hp
Platform Structure	Heavy I and C section welded steel structure covered with 5mm chequered plate
Mast Assembly	Strong structural steel twin tubular box type construction
	Mast Overall Length : 8560 mm
	Rotary Head Travel : 6800 mm
	Rod Handling : 6 m
Mast Raising Cylinder	Mast is raised and lowered by two hydraulic cylinder
Mast Dumping	Mast is provided with dumping arrangement for angle drilling
Feed System	2 x Double acting hydraulic cylinder with 1:2 chain reeving system
	Pull Up Force : 25800 kgf (56760 lb.f) @ 210 bar
	Pull Down Force : 17700 kgf (38940 lb.f) @ 210 bar
	Pull Up Speed : 46 m/min
	Pull Down Speed : 67 m/min





ITHAMAN





Recommended Air Compressor*	Make : ELGI / Atlas Copco / Doosan <u>Compressor capacity :</u> 1200 cfm - 330 psi (24 bar) 1500 cfm - 400 psi (27 bar) 1350 cfm - 365 psi (25 bar) / 425 psi (29 bar)
Additional Fitments	Night Lights, Hand rails, Emergency switch, Fire Extinguisher, Hammer stand, Fuel tank for compressor
User Manual	Manual for Operation, Maintenance and Spare Parts
Truck Option*	MAN 6x6 & 6x4 SINOTRUK Howo 6x6 & 6x4 Min 25 ton GVW Truck
Mounting Option*	Crawler / Truck / Skid
Optional Attachments	ICE Package• Real time fuel monitoring system• Drilling progress monitoring• Drill efficiency indicator• Bit load sensing system• GPS location monitoring system• Power breakout system• Digital display in control panel• Centralized hydraulic test station• Real time hydraulic system status• Remote access through mobile app• Fire extinguisher and hose reel• Adaptable for all water well rig modelsAuto rod handling systemRC fixed cone splitter

*Combinations will vary according to our Design feasibility







Happy Drilling Forever with PRD Rigs

