

DTHR 300

Heavy Duty Drilling Rig

DTHR 300 is Top Head Drive DTH Cum Rotary Rig is capable of drilling in different formations such as Hard Rock by DTH, Un consolidated / Alluvial formations using Air/Water/Foam flush by Rotary Method up to a depth of 300 Meters, Under favorable drilling conditions.



TECHNICAL Specifications

Model Type	DTHR 300, Top Head Drive DTH cum Rotary Drilling Rig		
DTH Drilling	Hole Diameter: 6" to 12" up to a depth of 300 Meters depth and 14" (Over Burden)		
Carrier Truck	Truck for the mounting of Rig, Air compressor and Mud pump.		
Make	30 Ton 6x4 Ashok Leyland / SINO OR any reputed make		
Prime Mover	The system shall be powered from the same truck Engine with PTO arrangement thru a Transfer Gear Box		
Mast overall Length	9000mm		
Rotary Head travel	7000mm		
Feed Cylinder Size & Stroke	Dia 160mm x Dia 100mm x 2350mm lg.	Pull Back: 20 Tons	Pull Down: 10 Tons
Rotary Head Assembly	Fabricated steel body		
	Torque: 800 Kg-m (Wwith Double Motors)	Rotation Speed: Spindle RPM - 80 Rpm	
Hydraulics	Max Operating Pressure: 220 Kg/Cm2	Hydraulic Tank Capacity: 1000 Liters.	
	Filtration (Nom) - Return line: 10/25 Microns	Oil Cooler: LHC-044 (Oleaer Make)	
Stabilizer	Model: Hydraulically Operated Box Type Jacks		
	Cylinder Bore Diameter: 125mm	Stroke: 1000mm	No. Of Jacks: 4 Nos(Box type)
Break Out Wrench	Cylinder Bore Diameter: 100mm	Stroke: 300mm	
Mast Raising Cylinder	Cylinder Bore Diameter: 100mm	Stroke: 800mm	No. Of Jacks: 2 Nos(Box type)
Water Injection Pump	Max. Flow: 80 Liter/minute	Max. Pressure: 50kg/cm2	
Auxiliary Winch	Bare drum-Pull: 1000 kgf	Max. Speed: 20 Meter/minute	
Air Compressor	Make: ATLAS COP CO /ELGI	Capacity: 1200 Cfm/330 PSI	
Mud Pump	6"x8"- Hydraulically driven Duplex Mud Pump required for Mud Rotary drilling		
	Max Flow: 1321 Liter/minute	Max. Pressure: 20 Kg/cm2	Liner Size: 6" Stroke: 8"