

A Powerful Rig for Small Volume

The compact and powerful A100 R HDD is designed to work in tight areas, powered by a 65 HP Ashok Leyland diesel engine. The A100 R offers 5 tons of thrust-pullback force with rack-pinion system, having rotational torque of 3800 Nm, which helps to work faster. The additional features like auto-anchoring system, in built rod box, and smart controls with value added safety features.

Apollo single piece forged drill rod provides the optimal range of strength and more flexibility with finished threads.



A100R HDD

India's First Horizontal Directional Drill (HDD) Machine



Technical Specifications

Dimensions & Weights	
Length	4450 mm
Width	1575 mm
Height	2020 mm
Weight (without drill pipe)	4340 kg
Weight (with drill pipe)	4676 kg
Travelling Speed	1.55 km / hour
Engine	
Make & Model	Ashok Leyland AL H3CTIC3R23 BS III
Fuel Type	Diesel
Maximum Engine Speed	2300 RPM
Number of Cylinders	3
Horse-Power Rating	65 HP
Maximum Torque	245 Nm @ 1900 RPM
Drill Pipe	
Length	1829 (1.8 m)
Weight (Each Pipe)	12 kg
Rod Box Capacity	28 Pipes
Minimum Bend Radius	89 feet
Pipe Diameter	48 mm
Water Pump System	
Flow	100 LPM
Pressure	1000 PSI

Technical Parameter	
Maximum Spindle Speed	216 RPM
Maximum Spindle Torque	3800 Nm
Minimum Bore Diameter	3.5"
Thrust Force	5000 kg
Pull-Back Force	5000 kg
Features	
Electrical System	12 V
Drilling Lights	YES
Stake-Down System (Auto-Anchoring)	YES
Rack-Pinion System	YES
Hydraulic Systems	
Auxiliary Pump Relief Pressure	3000 PSI
Thrust/Pull-Back Pump Relief Pressure	3350 PSI
Rotational Pump Relief Pressure	3750 PSI
Fluid Capacities	
Engine Oil Capacity	10 Litre
Diesel Tank Capacity	120 Litre
Hydraulic Oil Tank Capacity	182 Litre

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