

apollo

A Powerful Rig for Small Volume



A100 HDD

India's First

**Horizontal Directional
Drill (HDD) Machine**

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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)	4576 kg

Engine

Make & Model	Ashok Leyland ALUW04D
Fuel Type	Diesel
Maximum Engine Speed	2200 rpm
Number of Cylinders	4 Cylinders with Turbo Charger
Horse-Power Rating	76 hp (56 kW)
Maximum Torque	230 Nm @ 1800 rpm
Cooling Method	Liquid

Drill Pipe

Working Length	1829 mm (1.8 m)
Weight (Each Pipe)	12 kg
Rod Box Capacity	28 Pipes
Outer Diameter of Joints	48 mm
Outer Diameter of Tube	42 mm

Mud Pump

Flow	26 GPM
Pressure	1000 psi

Technical Parameter

Maximum Spindle Speed	216 rpm
Maximum Spindle Torque	3800 Nm
Thrust Force	5000 kg
Pull-Back Force	5000 kg

Features

Electrical System	12 V
Drilling Lights	YES
Auto-Anchoring System	YES
Crane	-
Hydraulic Enable	YES
Rack-Pinion System	YES
Auto Rod-Loader System	-
Operators' Cabin (Optional)	-
Drive System	Steel Track

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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