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A Large-size Rig for Bigger Job-site



A1000 HDD

India's First

**Horizontal Directional
Drill (HDD) Machine**

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A1000 HDD

Horizontal Directional Drill (HDD) Machine with Operator Cabin



Technical Specifications

Dimensions & Weights

Length	9930 mm
Width	2440 mm
Height	2650 mm
Weight (without Drill Pipe)	19230 kg
Weight (with Drill Pipe)	20406 kg

Engine

Make & Model	Ashok Leyland H6ETICRC3R323
Fuel Type	Diesel
Maximum Engine Speed	2200 rpm
Number of Cylinders	6 Cylinders with Turbo Charger
Horse-Power Rating	225 hp (167 kW)
Maximum Torque	840 Nm @ 1600 rpm
Cooling Method	Liquid

Drill Pipe

Working Length	4572 mm (4.5 m)
Weight (Each Pipe)	98 kg
Rod Box Capacity	12 Pipes
Outer Diameter of Joints	103 mm
Outer Diameter of Tube	89 mm

Mud Pump

Flow	200 GPM
Pressure	800 psi

Technical Parameter

Maximum Spindle Speed	114 rpm
Maximum Spindle Torque	19798 Nm
Thrust Force	50400 kg
Pull-Back Force	50400 kg

Features

Electrical System	24 V
Drilling Lights	YES
Auto-Anchoring System	-
Crane	-
Hydraulic Enable	YES
Rack-Pinion System	YES
Auto Rod-Loader System	YES
Operators' Cabin (Optional)	YES
Drive System	Steel Track

Hydraulic Systems

Auxiliary Pump Relief Pressure	3000 psi
Thrust/Pull-Back Pump Relief Pressure	6000 psi
Rotational Pump Relief Pressure	6000 psi

Fluid Capacities

Engine Oil Capacity	20 litre
Diesel Tank Capacity	242 litre
Hydraulic Oil Tank Capacity	390 litre

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