
METADRILL MD75 – Compact Geotechnical Drill Rig

MD75N:

The MD75N is a compact hydraulic drilling rig that can be used for mud rotary and core drilling works. It is customizable to fit all your requirements.

Call for more information.

Download Brochure : [attachment of the product brochure](#)(under development)

Mud Rotary

30 Meters @ 150 mm diameter

Auger Drilling

20 Meter @ 150 mm diameter

4 Meter @ 300 mm diameter

Diamond core (Conventional)

NQ-Size -75 Meters

HQ-Size -45 Meters

PQ-Size -30 Meters

Standard Penetration Test (SPT)

Automatic SPT Unit is installed on drilling rig mast

63.5 Kg Drop Hammer

Falling Height 760 mm

1-30 blows/min.

Incorporates a separate single acting cylinder to lift the SPT

Note: Diamond core drilling Depth are based on Straight, Vertical, Clean fluids fill holes. Above drilling capacities may vary according to subsurface conditions & drilling techniques.

Prime Mover

Engine
Power
Speed

Kirloskar/Deutz/John Deere
(Will Confirm)
2000 RPM

Cooling

Air/Air to oil

Mast & Feed

Mast Construction	The mast is made of Rectangular beams.
Feed Type	Single double acting Hydraulic cylinder with chain reeving system.
Mast raising	One independent hydraulic cylinders
Mast length	4 meter (Will Confirm)
Rod Handling length	1.5 or 2 meters (Rotary Head)
Rod Hosting Length	3 meters (By Tool Winch)
Pull up force	2500 Kg (Will Confirm)
Pull down force	2000 Kg (Will Confirm)

Rotary Head

Model	Vertical Drive
Torque & Speed	2000 Nm @ 0-180 rpm (Will Confirm)

Tool Winch

Hoisting Capacity	1500 Kg
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Water Pump

Type	Triplex Piston Pump
Power	Hydraulic operated
Max flow	85 LPM
Max pressure	30 Bar

Rod Clamp

Capacity	PW
Jaw Sizes	PQ/HQ/NQ
Mode of operation	Hydraulic operated single foot clamp*

Jack Legs

Type	Cylindric construction Bolted to base frame
Quantity	3 Nos

Safety

House guard	High density plastic Spiral Guard for sliding Hoses.
Emergency	Emergency stop fitted on two different locations to

Switch of the engine.

Rig Lighting

Tower mounted flood lights 2nos

Control panel 1no

Approximate Weight

Weight

3000 Kgs (Trolley Mounted)