

HEAVY DUTY MULTI-PURPOSE DRILL **MODEL - MD 350**



Heavy Duty Multipurpose Drill - MD-350 Technical Specifications

Depth capacity coring (Conventional and wireline)

N Wireline	3200 m	(7382ft)
H Wireline	2250 m	(7382ft)
P Wireline	1350 m	(4429ft)

RC Drilling

4 ½” Dia rod	700 m	(2296ft)
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Rotary-Down Hole

31 ½” Dia rod	1000 m	(3280ft)
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Power unit

Manufacturer	Cummins
Engine Type	Diesel Turbo Charged/aftercooled
Model	NTA855
Power	400 Hp (298KW)
RPM	2100
Cooling system	Water
Emission	Non certified

Feed System

Feed travel	7.5m (24.67ft)
Pull up force	372.65 KN (83775 lb)
Pull down force	186.3 KN (41888 lb)
Feed speeds	Fast and slow with variable control

Mast System

Feed mechanism	Hydraulic cylinder over ropes , 2:1 ratio.
Mast type	Box type construction Welded RHS lattice with cross bracing
Length:	11.8 m (app.), (38.7ft)
Drilling angle	45 to 90 degree
Mast Dump	2200 mm
Rod hosting length	9,0 m (29.5 ft)

Rotation Head and spindle speeds

Power	Hydraulic variable speed motor forward/reverse
Final drive	Heavy duty Spur gears.
Range selection	Two speed High/Low gear manual change
Spindle inside diameter	52 mm

Torque and Speed Ratings

Gear	Speed	Torque	
	Rpm	Nm	(lbft)
Low Speed Gear	85 – 213	16020 -6675	(11816 - 4923)
High Speed Gear	425-1050	3204 –1335	(2363 - 985)

Main Winch

Hoisting Capacity	274.58 KN (61729 lbs) (Bare drum)
Hoisting speed	20 m/min (65.6 ft/min)
Cable diameter	30 mm
Cable length	35m (115 ft)

Wire Line Winch

Hoisting Capacity	24.0 KN (5409 lb) (Bare drum)
Line speed	140 m/min (460 ft/min) (Bare drum)
Line speed	410 m/min (1345 ft/min) (Full drum)
Cable diameter	8 mm
Cable length	3000 m (9842 ft)

Rod Holder

Type	Hydraulic operated
Jaw Size	B, N, H, P

Approximate Weight/Dimensions.

Bare Drill Rig without Carrier rested on Jack frame.

Weight	25000Kgs
Length	12000 mm - Mast In horizontal when rested Straight
Width	2400 mm.
Height	2500 mm. Without Carrier rested on Jack frame

OPTIONS

Speed indicator- RH

Rotation Gear box RPM Indicator

Location	Located on control panel
Type	Digital LCD Display

Wire Ropes

Main winch	30 mm X 35 m long
Wire line	8 mm X 3000 m long

Mud Mixer

Hydraulically operated.

Water Pump

Type	Triplex Piston Pump
Power	Hydraulic operated
Max flow	140 LPM
Max pressure	6.895 MPa (1000 PSI)

Engine

Emission Norms	Tier III certified
Power	400HP(298KW)@2200Rpm

Tramming Controls

Crawler controls	Wireless Remote Control up to 20 m Distance
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Lighting & Horn

Beacon Flash Light, Drive lights for CAB.
Horn & Reverse Horn

RC Package

Dual Swivel, Blowdown/Blowup, deflector box, Cyclone, Cone splitter, Riffle splitter, Dust collector, Discharge hose.

Dynatech Industries Pvt. Ltd.
An ISO 9001 : 2008 Company

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