

HEAVY DUTY MULTI-PURPOSE DRILL **MODEL - MD -35**



DYNATECH

Heavy Duty Multipurpose Drill - MD-35 Technical Specifications

Depth capacity coring (Conventional and wireline)

B Wireline	550 m	(1804ft)
N Wireline	350 m	(1148ft)
H Wireline	220 m	(721ft)
P Wireline	145 m	(475ft)

RC Drilling

3 ½” Dia rod	100 m	(328ft)
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Rotary-Down Hole

3 ½” Dia rod	150 m	(492ft)(Hole dia 4 ½”)
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Power unit

Manufacturer	Cummins
Engine Type	Diesel Turbo Charged/aftercooled
Model	4BTA3.9C
Power	102 Hp (75KW)
RPM	2300
Cooling system	Water
Emission	Non certified

Mast System

Feed mechanism	Chain over cylinder, 2:1 ratio.
Mast type	Lateral stell welded structure, 2 Section mast
Length	5,6 m (app.), (18.3ft)
Drilling angle	45 to 90 degree
Mast Dump	800 mm
Rod hosting length	3,0 m (10 ft)

Feed System

Feed travel	4.0m (13.12ft)
Pull up force	51,0 KN (11465lb)
Pull down force	30,8 KN (6924 lb)
Feed speeds	Fast and slow with variable control

Torque and Speed Ratings

Gear	Speed		Torque
	Rpm	Nm	(lbft)
Low Speed Gear	72 – 233	4410 - 1386	(3252 - 1022)
High Speed Gear	217-700	1470 –462	(1084 - 340)

Main Winch

Hoisting Capacity	29.4 KN (6613 lb) (Bare drum)
Hoisting speed	40 m/min (131, 2 ft/min)
Cable diameter	13 mm
Cable length	25 m (82 ft)

Wire Line Winch

Hoisting Capacity	7.5 KN (1686 lb) (Bare drum)
Line speed	60 m/min (197 ft/min) (Bare drum)
Line speed	100 m/min (328 ft/min) (Full drum)
Cable diameter	5 mm
Cable length	350 m (1148 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	6500 Kgs
Length	5600 mm - Mast In horizontal when rested Straight.
Width	2000 mm.
Height	2100 mm. Without Carrier rested on Jack frame

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

OPTIONS

Speed indicator- RH

Rotation Gear box RPM Indicator

Location	Located on control panel
Type	Digital LCD Display

Wire Ropes

Main winch	13 mm X 25 m long
Wire line	5 mm X 350 m long

Mud Mixer

Hydraulically operated.

Water Pump

Type	Triplex Piston Pump
Power	Hydraulic operated
Max flow	70 LPM
Max pressure	6.895 MPa (1000 PSI)

Engine

Emission Norms	Tier III certified
Power	110HP(82KW)@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

Track (Crawler) assembly

Grouser construction	Triple Grouser
Total length of track	2320 mm
Total width of track	1750 mm
Gradeability – degree	25
Travel speed-Kmph	2

RC Package

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

Dynatech Industries Pvt. Ltd.
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