

CORE DRILL RIG
MODEL - CD -75



Core Drill - CD - 75 Technical Specifications

Depth capacity coring (Conventional and wireline)

B Wireline	950 m	(3116ft)
N Wireline	750 m	(2460ft)
H Wireline	455 m	(1492ft)
P Wireline	300 m	(984ft)

Power Unit

Manufacturer	Cummins
Engine Type	Diesel Turbo Charged/aftercooled
Model	6BTA5.9C
Power	169 Hp (126 KW)
RPM	2100
Cooling system	Water
Emission	Non certified

Feed System

Feed travel	3.5m (11.5ft)
Pull up force	80,4 KN (18040 lb)
Pull down force	37,26 KN (8360 lb)
Feed speeds	Fast and slow with variable control

Mast System

Feed mechanism	Direct coupled cylinder
Mast type	Lateral steel welded structure, 2 Section mast
Length	9, 5 m (app), (31.2ft)
Drilling angle	45 to 90 degree
Mast Dump	1000 mm
Rod hosting length	6, 09 m (20 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	119 mm

Torque and Speed Ratings

Gear	Speed		Torque
	Rpm	Nm	
Low Speed Gear	118 – 340	4510 - 1556	(3326 - 1148)
High Speed Gear	414-1200	1288 – 444	(950 - 327)

Main Winch

Hoisting Capacity	58.83 KN (13200 lb) (Bare drum)
Hoisting speed	40 m/min (131, 2 ft/min)
Cable diameter	19 mm (3/4 inch)
Cable length	35 ms (145 ft)

Wire Line Winch

Hoisting Capacity	11.76 KN (2640 lb) (Bare drum)
Line speed	140 m/min (460 ft/min) (Bare drum)
Line speed	465 m/min (1525 ft/min) (Full drum)
Cable diameter	5mm / 6mm
Cable length	1150 meters (3772 ft) / 845 m (2774ft)

Chuck

Type	Spring Closed Hydraulic open.
Rod Size	B, N, H, P
Max inside Diameter	119 mm
Thrust Holding Capacity	19000Kgs

Rod Holder

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

Approximate Weight/Dimensions.

Bare Drill Rig without Carrier rested on Jack frame.

Weight	8750Kgs
Length	10000 mm/6200 mm - Mast In horizontal when rested And Straight / Mast folded condition.
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, with life time battery

Wire Ropes

Main winch	19 mm X 35m long
Wire line	6 mm X 1300 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	160HP(119KW)@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	3040 mm
Total width of track	2350 mm
Gradeability – degree	20
Travel speed-Kmph	2

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An ISO 9001 : 2008 Company

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