

MODEL - RC 15



RC - 15 Technical Specifications

Depth capacity

RC Drilling

4 ½” Dia rod	150 m	(328ft)
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Power Unit

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

Mast System

Feed mechanism	Cylinder over ropes ,2:1 ratio.
Mast type	Lattice steel welded structure ,Box Section mast
Length	6,2 m (app.), (20.34ft)
Drilling angle	45 to 90 degree
Mast Dump	1200 mm
Rod hosting length	3,0 m (10 ft)

Feed System

Feed travel	4.4m (14.44ft)
Pull up force	80,9 KN (18187lb)
Pull down force	48,8 KN (10970.67 lb)
Feed speeds	Fast and slow with variable control

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	37	7470	(5509)
High Speed Gear	74	3725	(2747)

Power Break Out

Force	26200Nm (19324 ft-lbf)
Type	Cylinder actuated ,Mounted on lower side of mast
Size of spanner	89mm(31/2”inch)
	With optional spanner
Tool	Wrap around spanner (optional)

Hydraulic/Gear oil cooler

Type	Air to Oil
Heat Rejection	25KW
Drive	Hydraulic
Construction	Aluminum

Wire Line Winch

Cable rope	6 mmx150 m
Pull on 1st layer	3.4 KN
Speed 1st layer	150 m/min

RC Package

Dual Swivel ,
Blowdown/Blowup ,
Deflector box,
Cyclone ,
Riffle splitter,
Discharge hose

Approximate Weight/Dimensions.

Bare Drill Rig without Carrier rested on Jack frame.

Weight	6500Kgs
Length	5600 mm- Mast In horizontal when rested Straight
Width	2000 mm.
Height	2100 mm. Without Carrier rested on Jack frame

Slip Table

Opening	254mm (10” inch)
Spanners	For slotted drill rods
Casing dia	Up to 8”inch

OPTIONS

Safety

Extinguisher	Dry type Fire Extinguisher fitted on the machine For easy handling
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RC Package

Cone splitter, Dust collector

Compressor

Make	Elgi, Atlascopco, Doosan
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Water Pump

Type	Triplex Piston Pump
Power	Hydraulic operated
Max flow	50 LPM
Max pressure	6.895 MPa (1000 PSI)

Engine

Emission Norms	Tier III certified
Power	110HP(82.0KW)@2200Rpm

Tramming Controls

Crawler controls	Wireless Remote Control up to 20 m Distance
	Foot operated Dead man switch

Lighting & Horn

Beacon Flash Light, Horn & Reverse Horn
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Rod Winch &Boom

Type	Fully variable hydraulic rod handling boom
Angle	Vertical to 45 degree
Winch	3.43KN (771.6 lb)

Dynatech Industries Pvt. Ltd.
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