

MODEL - RC 30



RC - 30 Technical Specifications

Depth capacity

RC Drilling

4 1/2" Dia rod 300 m (984ft)

Power Unit

Manufacturer	Cummins
Engine Type	Diesel Turbo Charged/aftercooled
Model	6CTA8.3C
Power	213 Hp(158.8KW)
RPM	1800
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	11,8 m (app.), (38.74ft)
Drilling angle	45 to 90 degree
Mast Dump	2200 mm
Rod hosting length	6, 0 m (19.68 ft)

Feed System

Feed travel	7.5m (24.6ft)
Pull up force	141.53 KN (31807.5lb)
Pull down force	70.75 KN (15903.7 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	60	10108	(7454)
High Speed Gear	120	5054	(3727)

Power Break Out

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

Hydraulic/Gear oil cooler

Type	Air to Oil
Heat Rejection	35KW
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	1200Kgs
Length	1200 mm- Mast In horizontal when rested Straight
Width	2400 mm.
Height	2500 mm. Without Carrier rested on Jack frame

Slip Table

Opening	355mm (14" inch)
Spanners	For slotted drill rods
Casing dia	Up to 10"inch

OPTIONS

Safety

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

Rc Package

Cone splitter,
Dust collector

Compressor

Make Elgi, Atlascopco, Doosan

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

Rod Winch & Boom

Type Fully variable hydraulic rod handling boom

Angle Vertical to 45 degree
Winch 3.43KN (771.6 lb)

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An ISO 9001 : 2008 Company

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