

MODEL - RC 45



RC - 45 Technical Specifications

Depth capacity

RC Drilling

4 ½” Dia rod	450 m	(1476ft)
--------------	-------	----------

Power Unit

Manufacturer	Cummins
Engine Type	Diesel Turbo Charged/aftercooled
Model	6CTA8.3L
Power	260 Hp(191.3KW)
RPM	2100
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	11,2 m (app.), (36.754ft)
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	196.13 KN (44092.45lb)
Pull down force	117.68 KN (26455.5lb)
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 Gear	50	14000	(10324)
High Gear	100	7000	(5162)

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	45KW
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	1600Kgs
Length	6000 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	260HP(191.3KW)@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)

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

PLOT No.85, 86 & 87/B, IDA PHASE- II, SECTOR -II, Main Road, Cherlapally, Hyderabad - 500051 ANDHRA PRADESH, INDIA	Phone : + 91 40 27260313 + 91 90 52590707 Fax : + 91 40 27260679 Email : info@dynatechindustries.com Website : www.dynatechindustries.com
--	---