

**C2023**

Revathi C2023 Model drill is a crawler mounted, multi pass, hydraulically operated, rugged, Rotary / DTH blast hole drilling rig with following specifications :

<b>Drilling Capacity</b>		
Hole Size		
Rotary Drilling	165 to 228 mm	6 1/2" to 9"
DTH Drilling	152 to 178 mm	6" to 7"
Drilling Depth	45 mtrs.	150 ft.
<b>Crawler</b>		
Drive	Hydraulic motor thru gearbox	
Gradability	25%	
<b>Mast</b>		
Construction	Heavy duty structural steel lattice box type	
Drill Pipe Length	7.62 / 9.1 mtrs.	25 / 30 ft
<b>Feed</b>		
Feed System	Twin chain with twin cylinder pull down	
Pull down	23,000 Kgs	50,000 Lbs
Pull Up	12,700 Kgs	28,000 Lbs
<b>Rotary Head</b>		
System	Twin hydraulic motors thru gearbox	
Torque	898 / 979 Kg.m	78,000 / 85,000 Lb.inch
Speed	0 – 150 / 0 – 125 RPM	
<b>Air Compressor</b>		
Type	Single or two stage oil flooded screw type	
Capacity	28 to 32 m <sup>3</sup> /min	1,000 to 1,150 cfm
Pressure	9 to 24 kg/cm <sup>2</sup>	125 to 350 psi
<b>Power Unit</b>		
Prime Mover	Diesel engine or Electric motor driving both compressor and hydraulics.	
<b>Leveling Jacks</b>		
Rear End	Two Nos. (Drilling End)	
Front End	One No.	
<b>Drill Pipe handling</b>		
Pipe Loader	Four / Six rods	
Pipe dia	127 to 178 mm	5" to 7"
Pipe Length	7.62 / 9.1 mtrs.	25 / 30 ft
<b>Dust Control</b>		
Non-Visible Emission (NVE) dust control system (OR) Dry type twin cyclone dust control system (OR/ AND) Wet type water Injection or Spraying system.		

<b>Cabin</b>	72" wider, sound suppressed cabin.
Controls	Electric Joystick type, centralised for single man operation
<b>Optional Equipment</b>	Angle hole drilling kit / Auto Indexing / Hydraulic Winch / Centralised Lubrication System / Fire detection & Suppression / Cabin AC / Electronic Depth Counter / Shock sub / Rotary Table Bushing.

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