

**C650**

Revathi C650D/E 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	159 to 200 mm	6 1/4" to 7 7/8"
DTH drilling	152 to 171 mm	6" to 6 3/4"
Drilling Depth	53 mtrs.	175 ft.
<b>Crawler</b>		
Drive	Hyd. Motor thru gearbox	
Gradability	25%	
<b>Mast</b>		
Construction	Heavy duty structural steel lattice box type	
Drill Pipe Length	7.62 / 9.1 / 10 / 11 mtrs.	25 / 30 / 33 / 36 ft
<b>Feed</b>		
Feed System	Twin Chain with twin Cylinder or motor pull down	
Pull down - Hyd.Cylinder	13,600 Kgs	30,000 Lbs
Pull Up - Hyd.Cylinder	9,100 Kgs	20,000 Lbs
Pull down / Up - Hyd.Motor	13,600 Kgs	30,000 Lbs
<b>Rotary Head</b>		
System	Single or Twin hydraulic motors thru gearbox	
Torque	460 / 345 Kg.m	40,000 / 30,000 Lb.inch
Speed	0 – 90 / 100 RPM	
<b>Air Compressor</b>		
Type	Single or two stage oil flooded screw type	
Capacity	17 to 34 m <sup>3</sup> /min	600 to 1200 cfm
Pressure	5 to 24 kg/cm <sup>2</sup>	70 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	Single / Three / Six rods	
Pipe dia	114 to 140 mm	4 1/2" to 5 1/2"
<b>Dust Control</b>		
Dry type twin cyclone dust control system (OR) Non-Visible Emission (NVE) dust control system (OR / AND)		

	Wet type water Injection or Spraying system.
<b>Cabin</b>	48" wider, sound suppressed cabin. Wider cabins on request.
Controls	Centralised for single man operation
<b>Optional Equipment</b>	Higher drilling depth capacity / 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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