

C650

Revathi C650D/E Model drill is a crawler mounted, multi pass, hydraulically operated, rugged, Rotary / DTH blast hole drilling rig with following specifications :

Drilling Capacity		
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.
Crawler		
Drive	Hyd. Motor thru gearbox	
Gradability	25%	
Mast		
Construction	Heavy duty structural steel lattice box type	
Drill Pipe Length	7.62 / 9.1 / 10 / 11 mtrs.	25 / 30 / 33 / 36 ft
Feed		
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
Rotary Head		
System	Single or Twin hydraulic motors thru gearbox	
Torque	460 / 345 Kg.m	40,000 / 30,000 Lb.inch
Speed	0 – 90 / 100 RPM	
Air Compressor		
Type	Single or two stage oil flooded screw type	
Capacity	17 to 34 m ³ /min	600 to 1200 cfm
Pressure	5 to 24 kg/cm ²	70 to 350 psi
Power Unit		
Prime Mover	Diesel engine or Electric motor driving both compressor and hydraulics	
Leveling Jacks		
Rear End	Two Nos. (Drilling End)	
Front End	One No.	
Drill Pipe handling		
Pipe Loader	Single / Three / Six rods	
Pipe dia	114 to 140 mm	4 1/2" to 5 1/2"
Dust Control		
Dry type twin cyclone dust control system (OR) Non-Visible Emission (NVE) dust control system (OR / AND)		

	Wet type water Injection or Spraying system.
Cabin	48" wider, sound suppressed cabin. Wider cabins on request.
Controls	Centralised for single man operation
Optional Equipment	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.

[REL reserves the right to amend designs and specifications at any time without prior notice.](#)



SINCE 1992

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