Loco Drill Rig

Presentation
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Introduction

Section Contents

Introduction

Objectives -

Develop a safe, cost effective alternate method for the -

- Development of conventional haulages

Conditions of Satisfaction -

- Remove workers from hard,hazardous & arduous work
- Improve productivity
- Reduce costs
- Mobility – Transportable via mine rail
- Reliability – Simplicity, ease of operation & hole accuracy

Specifications

Type:	10 ton Remote Controlled battery locomotive
Power Supply:	Battery; 66 volt 33 cells
Unit Mass:	10 000kg
Drawbar Pull Starting:	2 000kg (coefficient of adhesion 0,2)
Drawbar Pull Running:	640kg at 6km/hr
No of Traction Motors:	1 (75D) with gearbox 12:54 ratio
Brake System:	Hydraulic spring applied
Minimum Curve Radius:	10m creep, 18m at operating speed
Wheel Base:	1372mm
Rail Gauge:	762 and 912mm

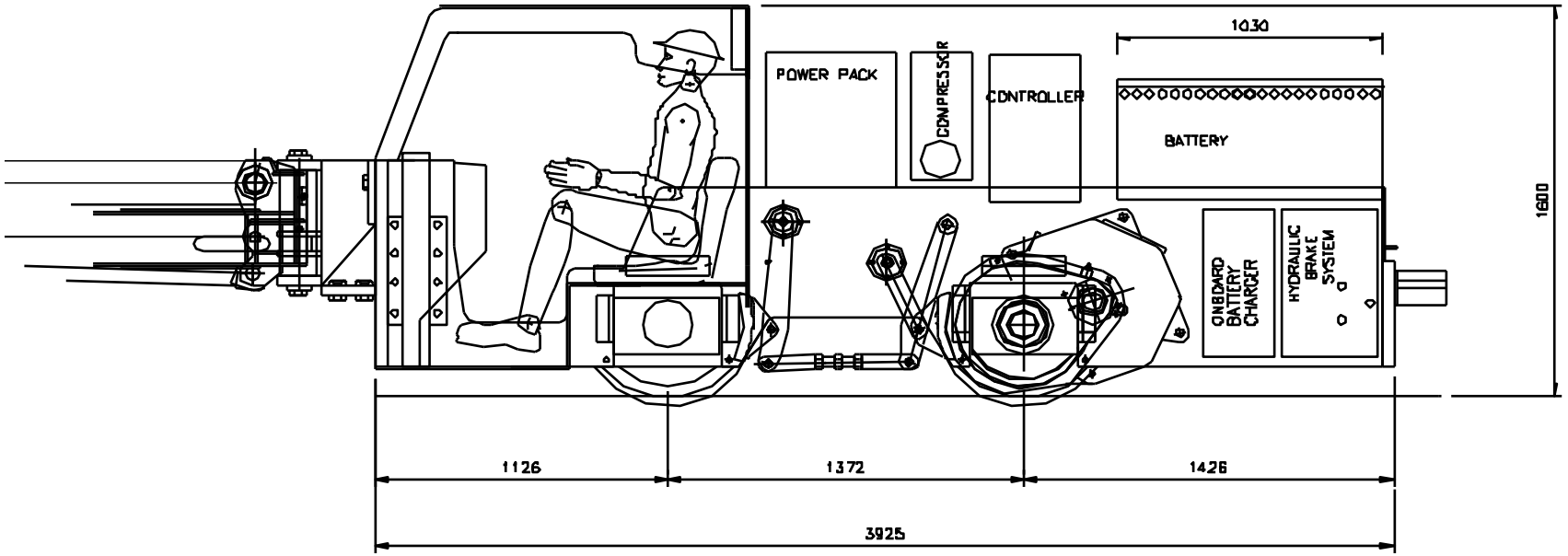
Specifications (Continued)

Overall Dimensions

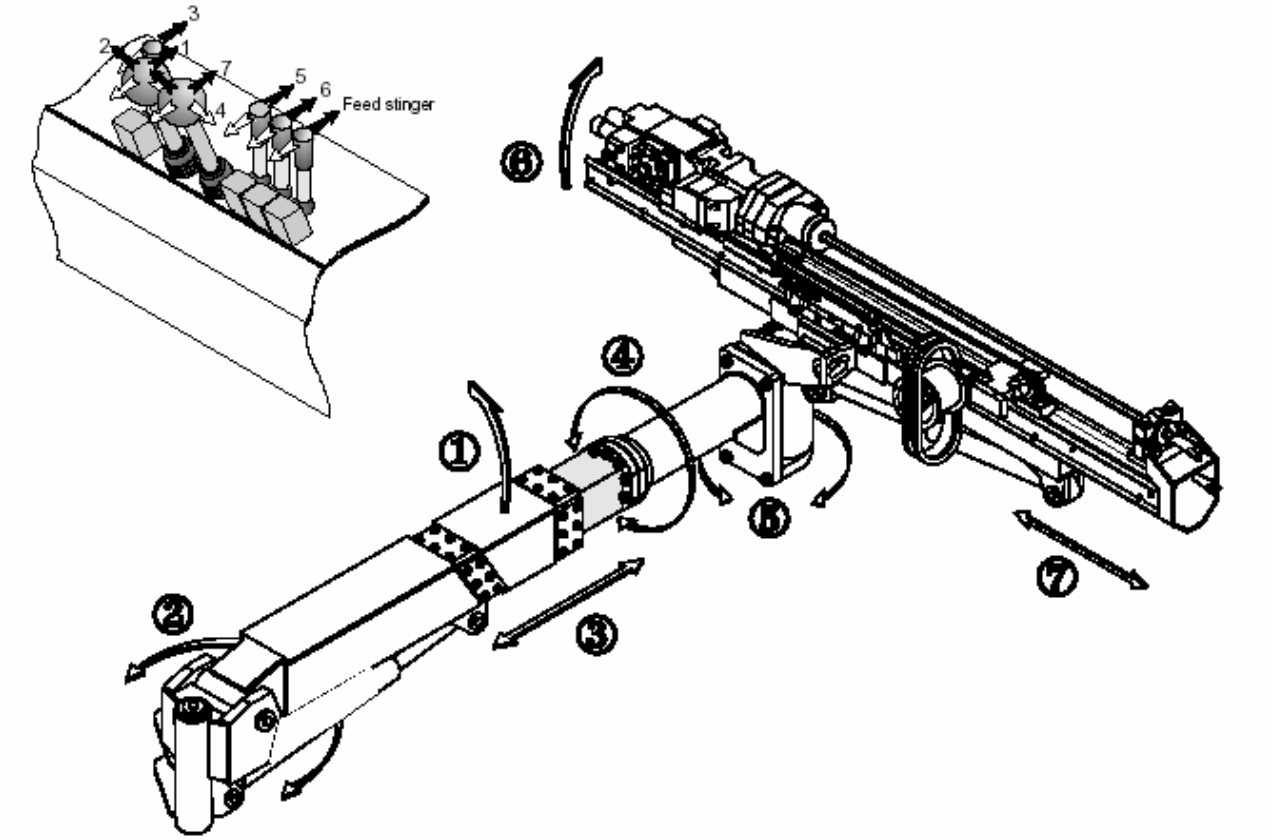
Length : 3925mm (with boom 4200mm)

Width: 1285mm

Hieght: 1650mm (including canopy)

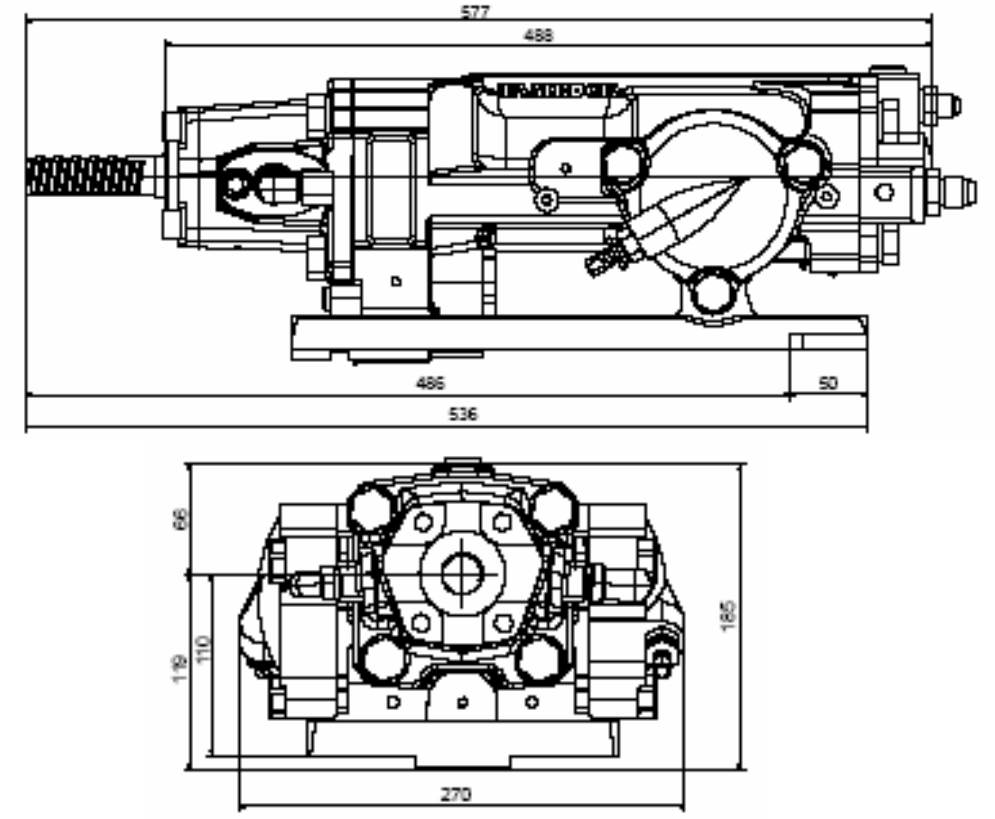


Specifications (Continued)



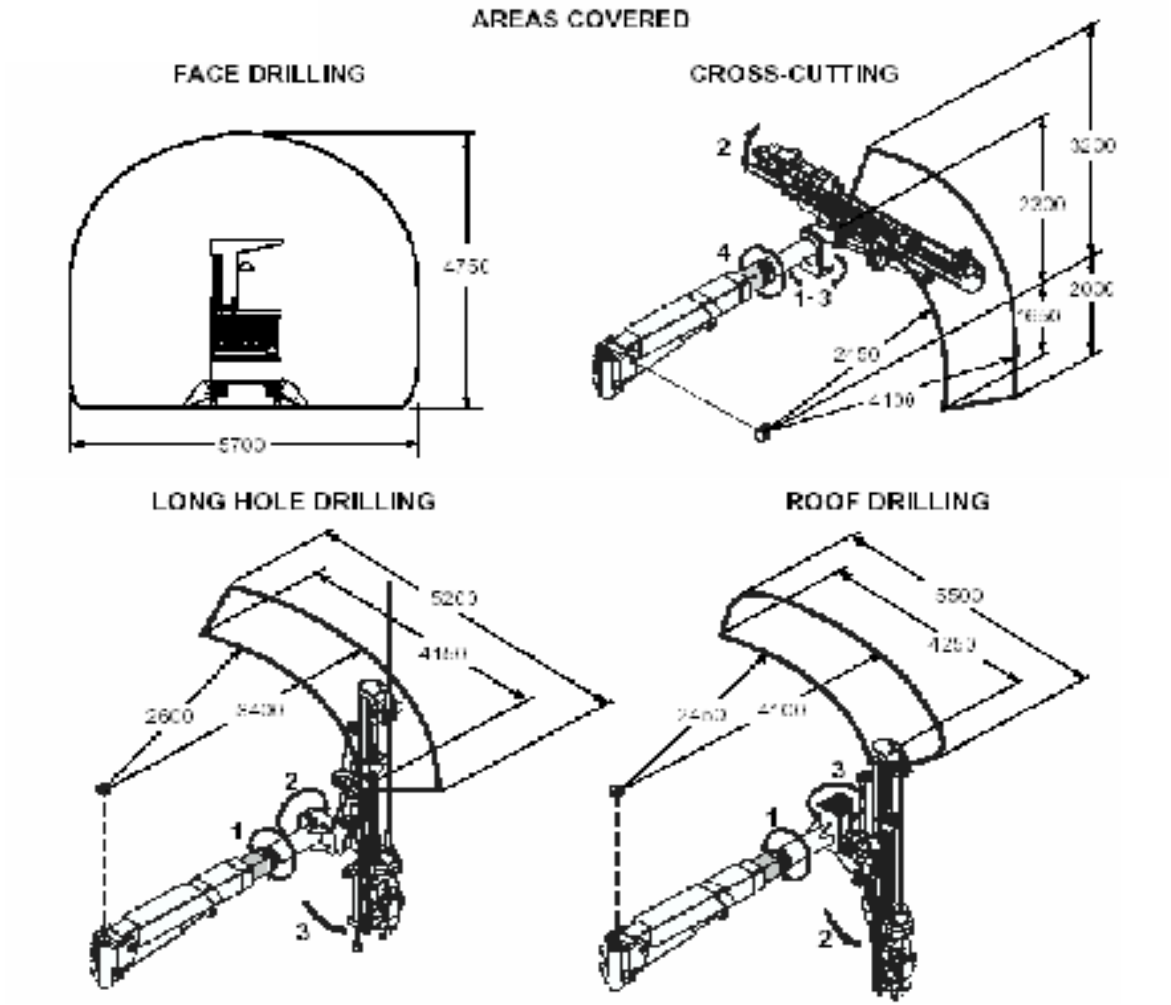
Multi-purpose telescopic boom for either
Face drilling, Cross-cutting, Rock drilling or
Long Hole drilling in extremely narrow orebodies.

Specifications (Continued)



HLX 1 Drifter (8KW @ 1.3m/min)

Specifications (Continued)



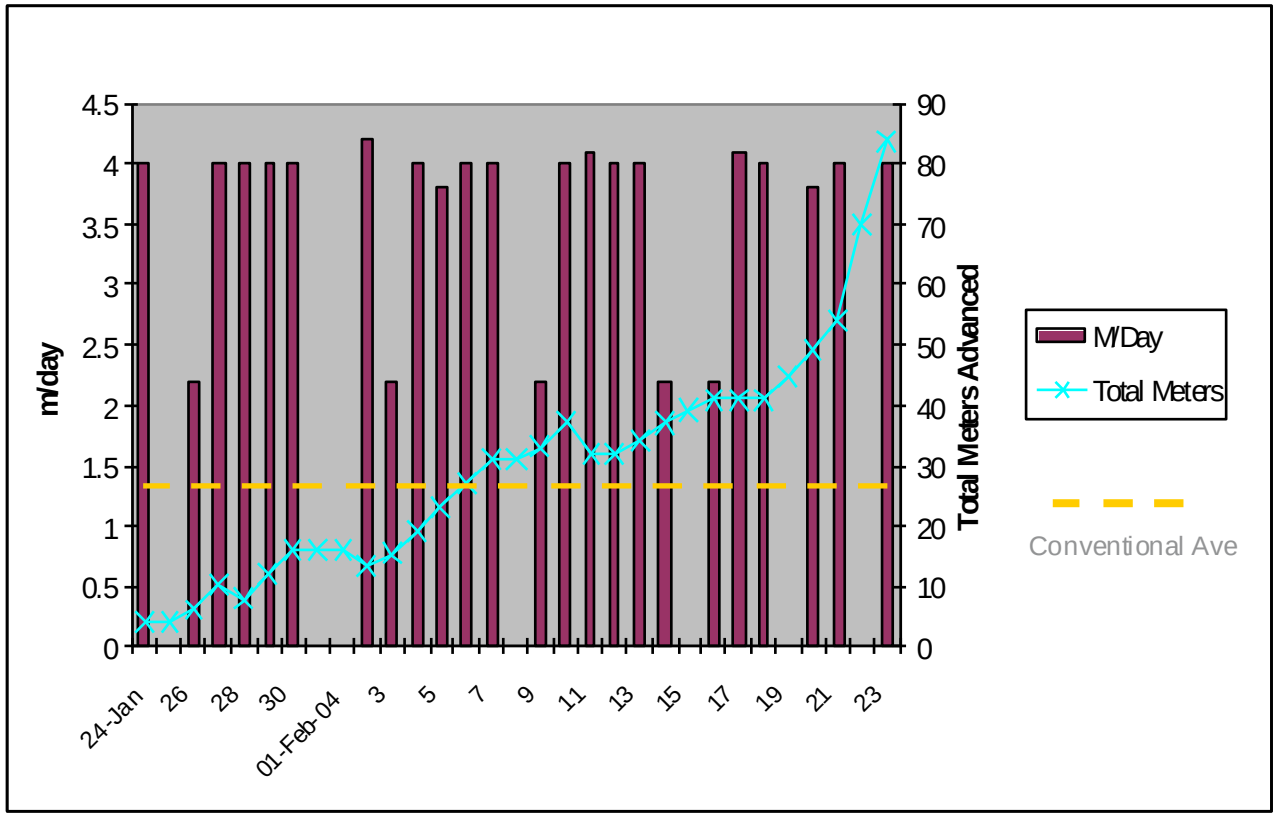
Performance Capacity

Length of Round:	2.2m (effective 2.0m)
Hole diameter:	35mm
Production Rate:	2.5 hours per end (all holes)
Production per Shift:	Min 2 ends per shift
Tramming Speed:	12 km/h

Loco Drillrig

Loco Drillrig (Continued)

Loco Drillrig Performance



Loco Drillrig Video