



Mine + Tunnel Constructions

ALPINE AM75 ROADHEADER



Plant Numbers: MOB-027, MOB-034 & MOB-035

EQUIPMENT SPECIFICATIONS

TECHNICAL DESCRIPTION

The Alpine AM75 Roadheader is a boom-type part-face cutting machine, suitable for cutting rock of an unconfined compressive strength of up approx 100 MPa.

The high pickup capacity of the loading assembly enables the storage of material so that it is possible to continue with cutting even during the change of shuttle cars. Standstills for incidental working cycles are substantially reduced.

Transverse cutting head allows machine to cut directly into the face and not suffer from side force movement at higher MPA ratings.

Cutter picks are larger than other roadheader picks resulting in less pick usage for a given MPA.

Low profile machine with height adjustment (120 mm between high & low)

Modular design allows for faster major component change out and dismantling to access restricted mine entries.

Full length conveyor chain enables a higher load out rate.

GENERAL

Machine Serial Number:	048
Overall Height (at Canopy)	1,965mm
Overall Length	11,800mm
Width of Crawler Assy	2,600mm
Total Weight	54T
Width of Loader Head	4,200mm
Max position of loader head	
- Above Track Level	610mm
- Below Track Level	150mm
Speed of Conveyor Chain	1.5 m/sec
Ground Pressure below tracks	13 N/cm ²
Traction Force per Track	350 kN
Tramming Speed	7 – 16 m/min
Negotiable Gradients	+/- 20 gon
Cutting Height above track level	4550mm
Cutting Height –	
- Loader head in lowest position	4,700mm
Cutting Range below track level	150mm
Conveyor Width	560mm
Conveyor Chain & Sprocket	Cincinatti

ELECTRICAL

Electrical Equipment	1000 V / 50 Hz
Total Installed Power	342 kW
Cutter Motor	200 kW
Pump Motor	70 kW
Conveyor Motors (2)	36 kW (each)