

Sandvik Bolter Miner MB300 series in Action

Simultaneous cutting and bolting operation



B4-298ENG MB300 Series / Copyright © Sandvik Mining and Construction G.m.b.H. Dec. 2009





In Action underground in South Africa

Sandvik Bolter Miner MB300 series

The MB300 series is designed for rapid roadway development in lower seams reaching from as low as 1.6 m up to 3.6 m seam height, in which it achieves high advance rates for efficient longwall development and coal production. The field-proven 315 kW cutting unit is mounted on a slide to enable simultaneous cutting and bolting. Due to the fully shielded cutting area, an optimum of comfort and safety for the operator is provided. Sandvik Mining and Construction's objective is a machine which gives maximum advance rates at lower cost per ton.

The machine is available in three basic height models, with various cutting widths to suit the customers' requirements.

MB330: operating height 1.60 - 2.20 m (5.2 - 7.2 ft)

MB350: operating height 2.00 - 2.60 m (6.6 - 8.5 ft)

MB370: operating height 2.60 - 3.60 m (8.5 - 11.8 ft)

Technical data MB 370 SANS approved*

General:			Bolting:		
Total length, approx.	(m)	12.3	Distance roof support to face	(m)	2.84
Total width for transport, approx.	(m)	5.3	No. of ribbolters		0
Total width in operation	(m, min.)	5.9	No. of roofbolters		2
Total height in operation	(m, min.)	1.35	Spacing of bolters	(mm)	3530
Total weight, approx.	(tonnes)	96.5			
Cutting Profile:			Loading and conveying capacity	(t / min)	25
Working height	(m)	2.6 up to 3.6	Tram speed, variable	(m / min)	5 to 11
Working width	(m)	5.9 to 6.6	Dust collection on board		no
Drum diameter	(mm)	1200	Total installed power	(kW)	591.75
Sump distance	(m)	1.0	All dimensions and weights are approximate Please see technical specification for details		
Cutter motor power	(kW)	315	* All rights for technical modification are reserved		



From vision to reality

Unique features of the MB 300

- Simultaneous cutting and bolting operation with on board roof-bolters.
- High cutting capacity with 270 kW motors.
- Integrated high-pressure-water dust suppression sprays and on board scrubber for minimum dust.
- Fully supported roof for safety of operators due to support canopy behind the cutter drum.
- Shielded bolting platforms for optimum operator safety and comfort.
- Integrated radio-remote and control system.
- Automatic cutting cycle gives optimum operation and machine utilization.



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