



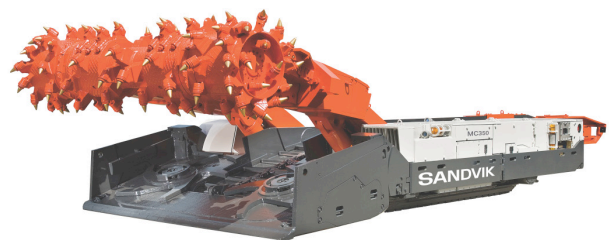
SANDVIK MC350 CONTINUOUS MINER

TECHNICAL SPECIFICATION

Our Sandvik double-pass miners use the most advanced cutting technology to cut coal and industrial minerals continually. These track-mounted miners are extremely productive and reliable solutions, with the design emphasis placed on health and safety, as well as total cost of ownership.

Our top-performing Sandvik MC350 is the ideal choice when space is limited and high cutting power is required.

The machine is designed for rapid entry roadway development and coal production in seams reaching from 1400 - 3100 [mm]. The machine is electrically powered and remote controlled for optimum flexibility. The focus of this concept is the integration of Sandvik's experience as a leading mining machine manufacturer into a solution which gives best results for our customers in their individual operations.



KEY FEATURES

Higher weight class to allow higher cutting force

Shear up capability to increase cutting utilization

Semi-automation reduces operator influence

Health monitoring of the machine to increase running time

Sturdy and rugged structural components for longer life time

Health monitoring of the machine to ensure smart feedback for process management

Water spray bars and integrated scrubbers minimize dust

Compact design for easy maneuverability in narrow conditions

Low ground pressure of crawler tracks

GENERAL INFORMATION

	METRIC	IMPERIAL
Total length	~ 10900 mm	~ 429,14 in
Total weight	~ 65 t	~ 143,300 lbs
Machine height	1250 mm	49,21 in
Width across rub rails	3300 mm	129,92 in
Width across chassis	3240 mm	127,56 in
Width of crawler tracks	570 mm	22,44 in
Ground clearance	250 mm	9,84 in

CUTTING SYSTEM

	METRIC	IMPERIAL
Shape for profile	Rectangular	
Cutting width	3500 mm	137,8 in
Drum diameter	1100 mm	43,3 in
Minimum cutting height	1400 mm	55,12 in
Maximum cutting height	3100 mm	122,05 in
Undercut below floor level	250 mm	9,84 in
Drum speed	55 rpm	
Peripheral speed	3,18 m/sec	10,43 ft/sec
Cutttable unaxial compressive strength	up to 40 Mpa	
Installed power 1000 V / 50 Hz	2 x 150 kW	2 x 201 hp
Installed power 1000 V / 60 Hz	2 x 175 KW	2 x 235 hp

LOADING DEVICE

	METRIC	IMPERIAL
Loading device	Spinners	
Loading capacity	10 - 30 t/min	11 - 33 ton/min
Loading width	~ 3300 mm	~ 129,92 in
Position of loading device above ground level	350 mm	13,78 in
Position of loading device below ground level	200 mm	7,87 in
Spinner	4 arms	
Speed	54 rpm	
Height of spinner	50 mm	1,97 in
Installed power	2 x 60 kW	2 x 80 hp

CONVEYING SYSTEM

	METRIC	IMPERIAL
Conveyor width	960 mm	37,8 in
Conveyor chain speed	2.5 m/sec	8,2 ft/sec
Conveyor overhang	2900 mm	114,17 in
Conveyor discharge height (bottom edge) min:	~ 450 mm	~ 17,72 in
Conveyor discharge height (bottom edge) max:	1900 mm	74,80 in
Conveyor chain	3 1/2"	

TRAMMING SYSTEM

	METRIC	IMPERIAL
Sump speed, variable	0 - 12 m/min	0 - 39 ft/min
Tram speed forward	0 - 20 m/min	0 - 65 ft/min
Tram speed slow	variabel m/min	variable ft/min
Tram speed intermediate	variabel m/min	variable ft/min
Tram speed high	variabel m/min	variable ft/min
Ground pressure	max. 16 N/cm ²	max. 23,20 psi
Installed power	2 x 60 kW	2 x 80 hp

DUST SUPPRESSION

	METRIC	IMPERIAL
Spray bar behind cutter drum	ITP	
Scrubber capacity	>4,5 m3/sec	> 1188,77 g/sec

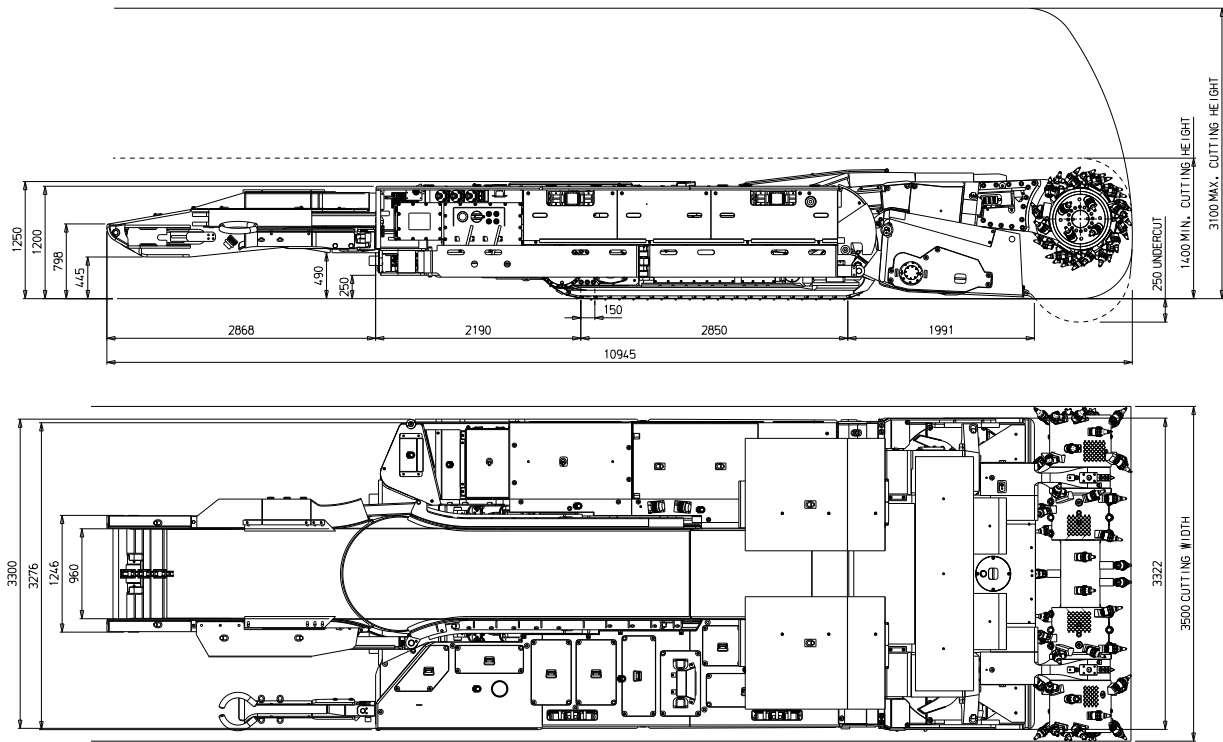
HYDRAULIC SYSTEM

	METRIC	IMPERIAL
Pressure, max.	280 bar	4061 psi
Installed power	1 x 60 kW	1 x 80 hp

ELECTRICAL SYSTEM

	METRIC	IMPERIAL
Electric potential	1000 V / 50 Hz	
Electric potential	1000 V / 60 Hz	
Total installed power 1000 V / 50 Hz	600 kW	805 hp
Total installed power 1000 V / 60 Hz	650 kW	872 hp
Cutter drive 1000 V / 50 Hz	2 x 150 kW	2 x 201 hp
Cutter drive 1000 V / 60 Hz	2 x 175 kW	2 x 235 hp
Track drive	2 x 60 kW	2 x 80 hp
Loader drive	2 x 60 kW	2 x 80 hp
Hydraulic drive	1 x 60 kW	1 x 80 hp

Chain conveyor driven by loading device



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