



SANDVIK MR341/MR361 ROADHEADERS

PRODUCT LEAFLET





TECHNICAL DATA

Machine model	MR341 Ex	MR361 nEx
Total weight +/- 5 (t)	~ 67	~ 67
Ground pressure (MPa)	~ 0.17-0.19	~ 0.17-0.19
A. Length, min. (m)	~ 10.85	~ 11.05
B. Height, min. (m)	~ 2.1	~ 2.4
C. Loading table width, min. (m)	~ 3.5	~ 3.5
Ground clearance (mm)	~ 270	~ 270
Cutting height above track level, max. (m)	~ 4.90	~ 5.05
Cutting width, max. (m)	~ 7.5	~ 7.6
Tramming speed, forward and reverse, max. (m/min)	9	15
Undercut below floor level, max. (mm)	~ 240	~ 300
Cutter head sprays	ITP/FN	ITP/FN
Cutting speed, 50 Hz (m/s)	~ 2.31	~ 2.31
Maximum navigable in- & decline gradient (°)	±18	±18
Maximum navigable side gradient, max. (°)	±5	±5
Navigable cone radius, min. (m)	~ 25	~ 25
Navigable basin radius, min. (m)	~ 20	~ 20
Electric supply voltage (V)	1000/1140	1000/1140
Cutter motor, S6 mode (kW)	230	230
Tramming speed, forward and reverse, max. (m/min)	~ 9	~ 15
Total installed power, max. (kW)	382 (S1) / 412 (S6)	422 (S1) / 452 (S6)

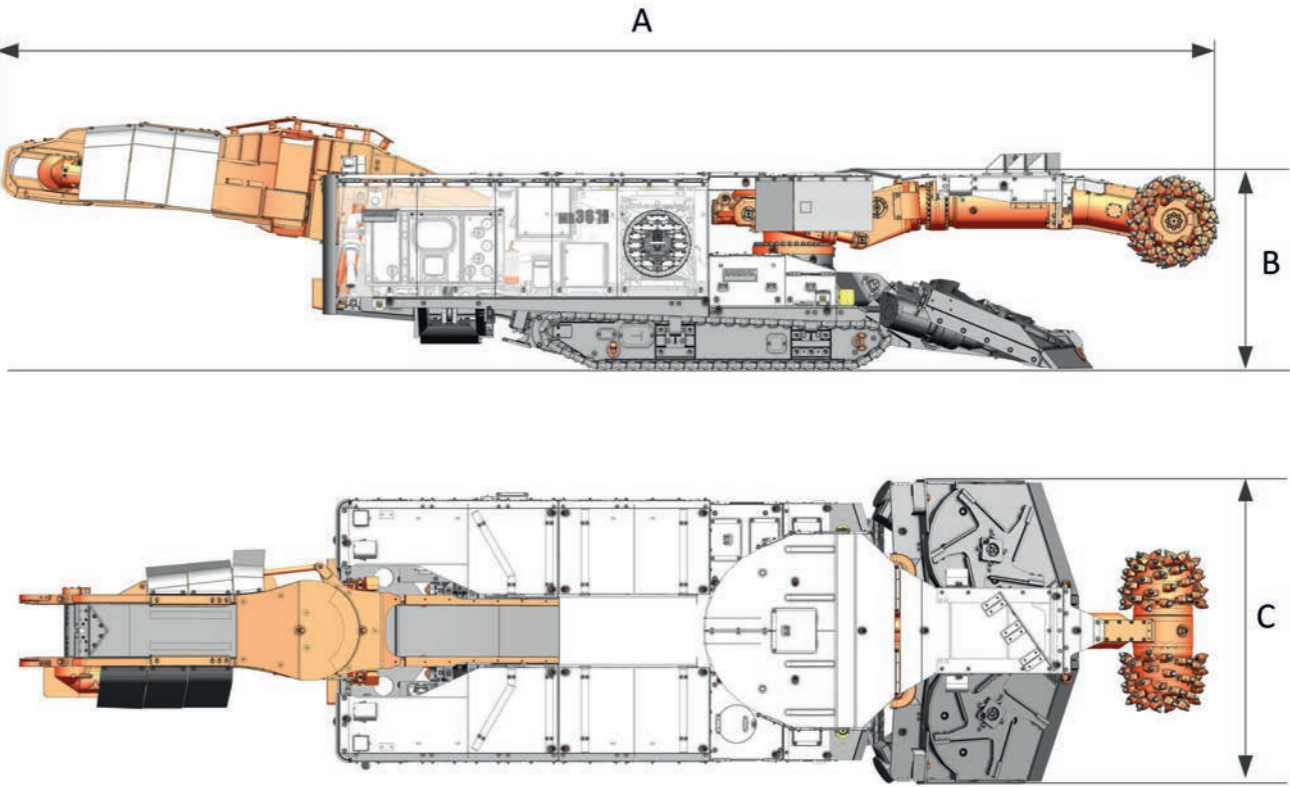
SANDVIK MR341 / MR361

Sandvik MR300 series roadheaders are extremely powerful rock cutting machines designed to excavate roadways, tunnels, and underground chambers continuously without using explosives. They are equipped with high experience based and geometrically optimized, transverse cutter heads proven to give the best cutting performance in a wide range of rock formations. Powered electro-hydraulically, these mining and tunneling machines emit no blasting shocks and no explosive fumes, and so they can excavate the desired profile without causing severe and harmful vibrations to the rock mass surrounding the excavations as well as without emitting toxic gases to the underground space, which is highly valued for both environmental and safety reasons.

Sandvik MR341 roadheader is an electro-hydraulic, part-face cutting machine designed for roadway development in coal mining and other similar applications in flame-proof underground mining conditions. The machine is available in several flameproof designs according to certain country regulations, considering MA (China), DGMS (India), GOST (CIS), and ATEX (Europe).

Sandvik MR361 roadheader is an electro-hydraulic, part-face cutting machine designed for roadway development and for ore/mineral production in saline underground mining, metal underground mining, as well as in underground excavations for civil construction projects.in flameproof design according to country regulations, including: MA (China), DGMS (India), GOST (CIS), ATEX (Europe).

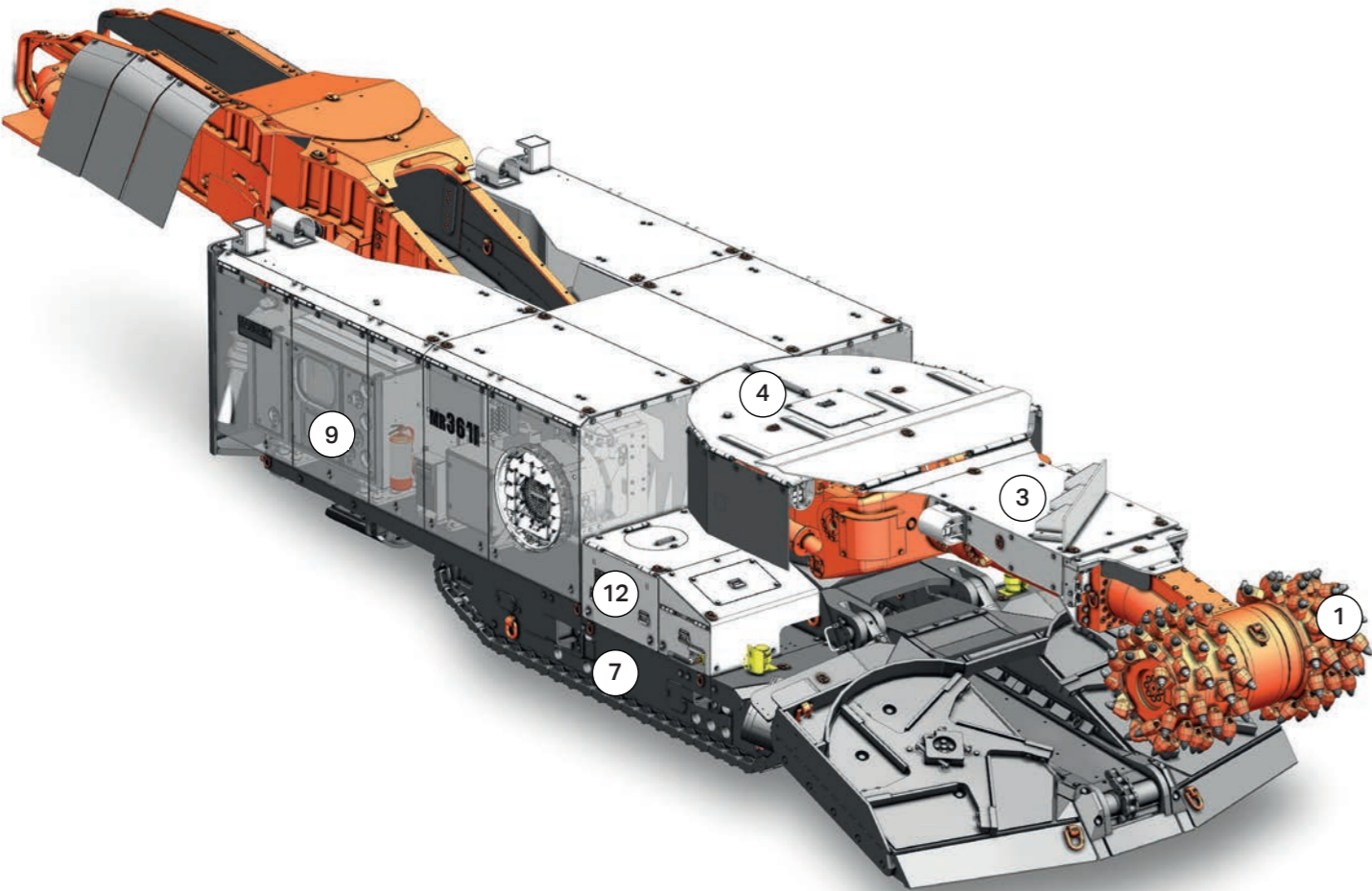
DIMENSIONS



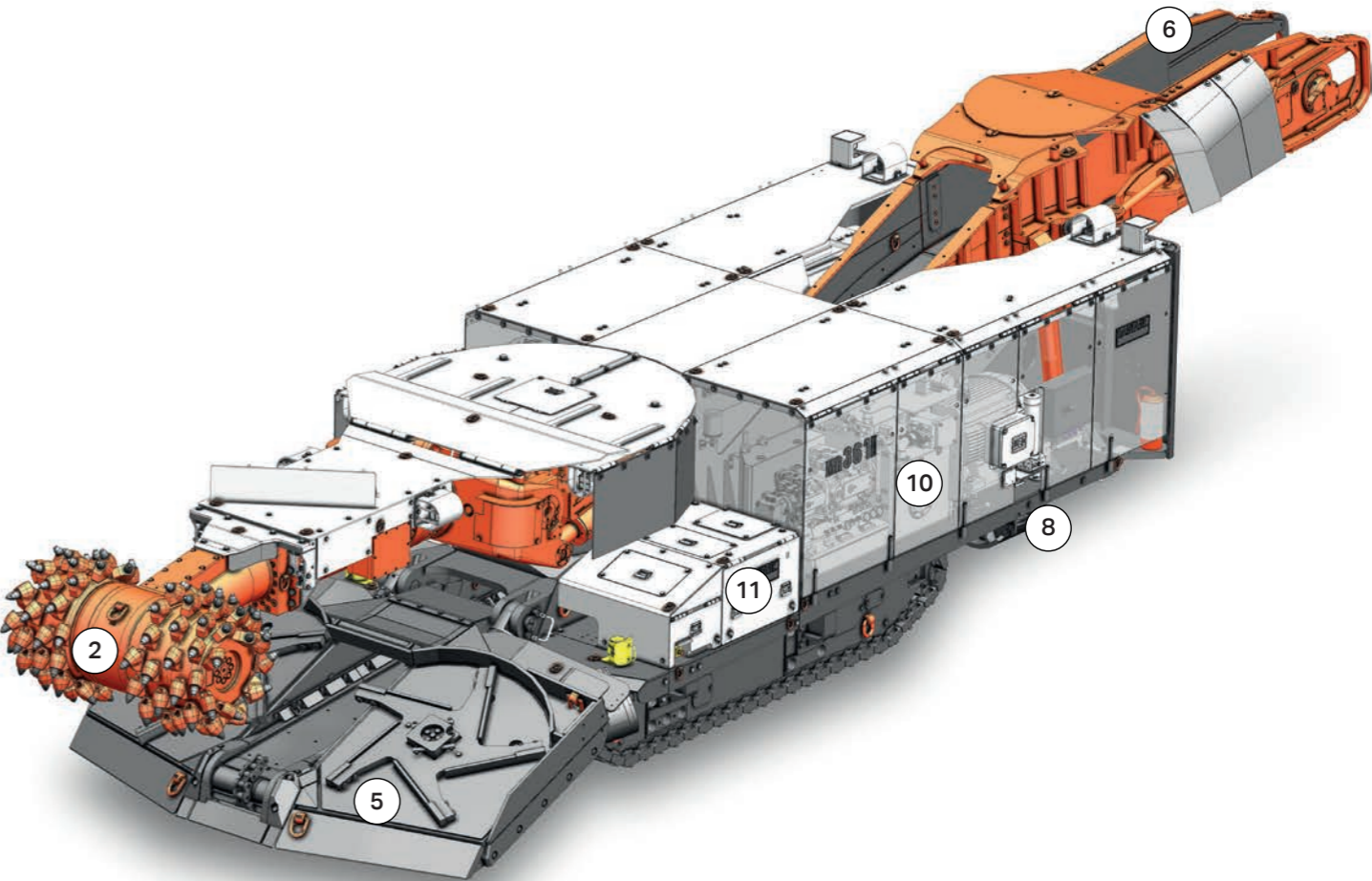
KEY FEATURES AND BENEFITS

- Intelligent PLC (Programmable Logic Controller) controlled machines
- High availability, reasonable operating cost, and reduced service cost
- Optional roadheader guidance system and Cutronic® offers high excavation accuracy and semi-automated cutting
- Reinforced main frame for tough and hard cutting conditions
- Large active loading area for efficient removal of cut material

KEY COMPONENTS AND FUNCTIONS OF A TYPICAL MR341 ROADHEADER



- 1 Cutter head in different variations depending on geological conditions
- 2 Cutter gear box
- 3 Cutter boom
- 4 Turret slewing cutter boom in vertical and horizontal direction
- 5 Loading device consisting of loading table, loader transmissions and loading stars
- 6 Double chain conveyor conveying material from loading table to back end of machine
- 7 Crawler track assembly for maneuvering machine during cutting operation and for tramming machine between operating locations
- 8 Frame with rear stabilizers
- 9 Electric system
- 10 Hydraulic system
- 11 Cooling system for maintaining operating temperature and spraying system for dust suppression
- 12 Lubrication system





Sandvik Mining reserves the right to make changes to the information on this data sheet without prior notification to users.
Please contact a Sandvik representative for clarification on specifications and options.