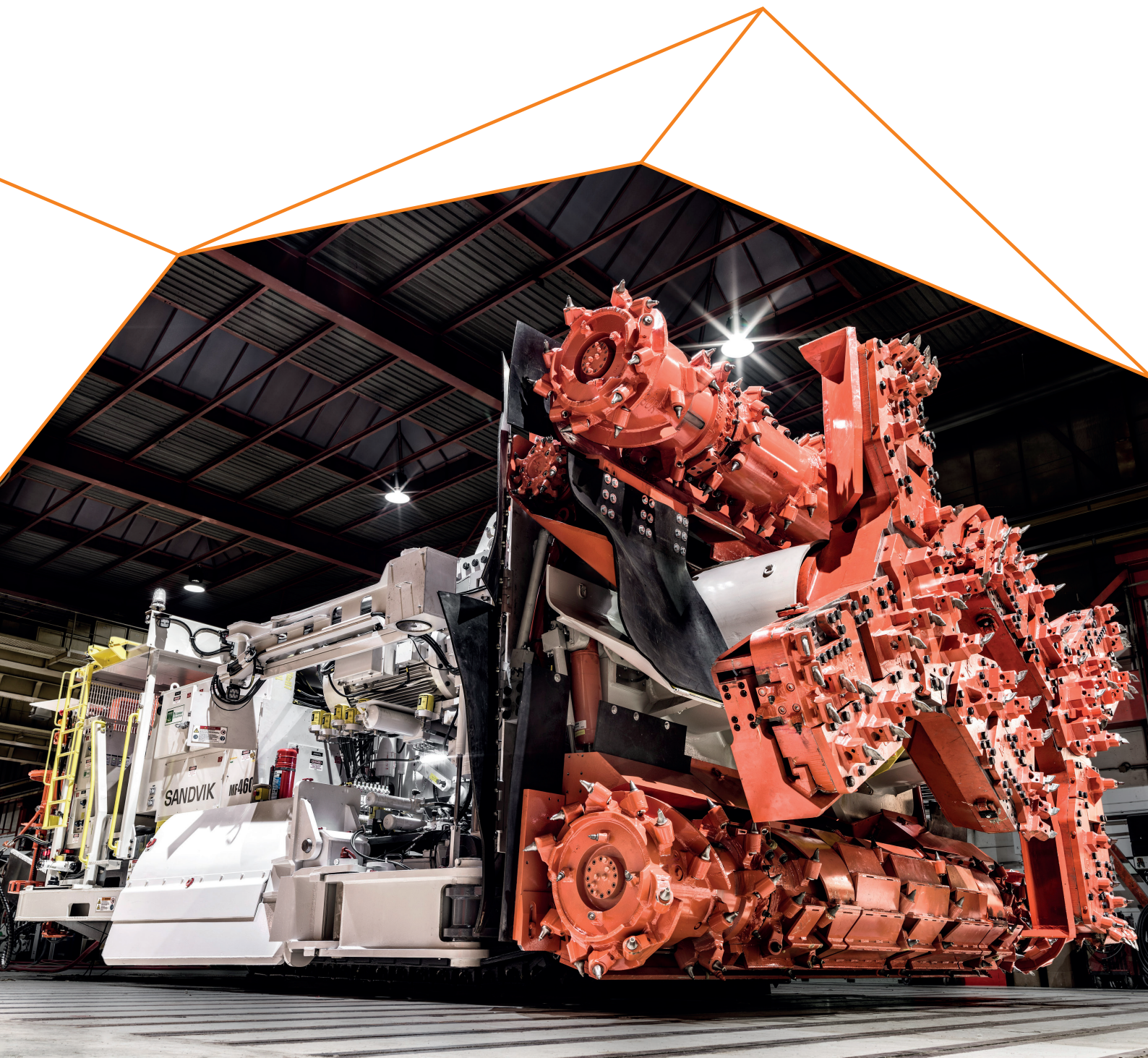




# SANDVIK MF SERIES BORER MINER

PRODUCT LEAFLET



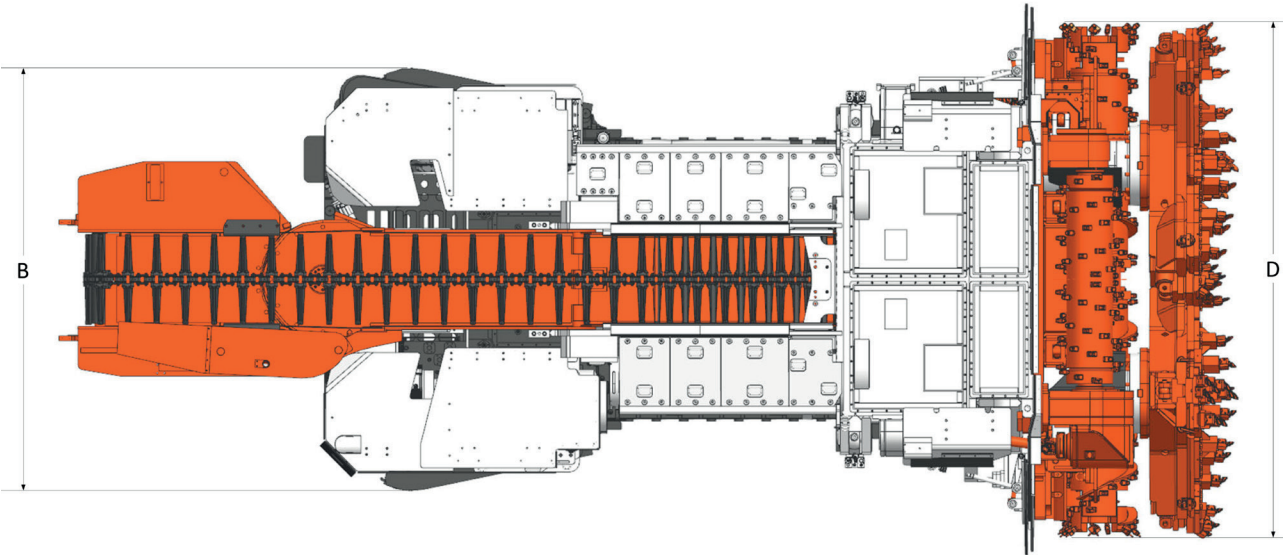
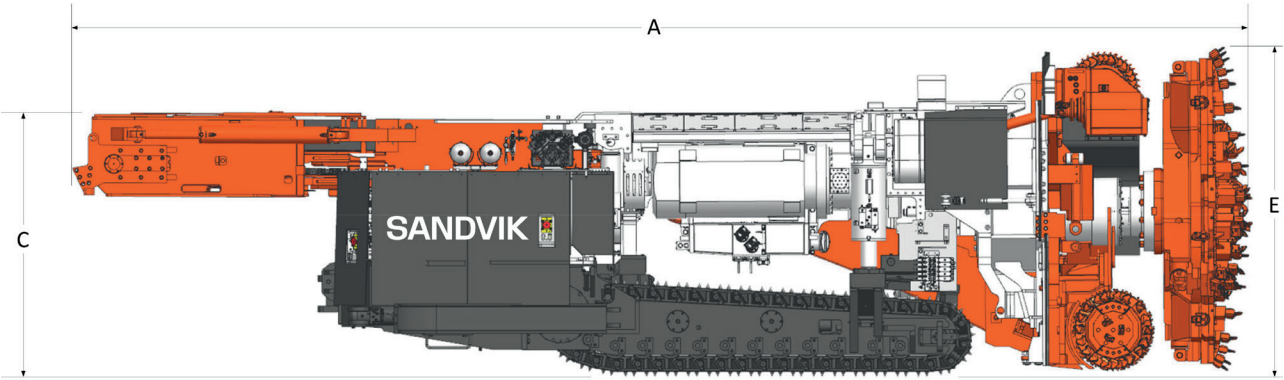




### TECHNICAL DATA

Machine model	MF320	MF420	MF460
A. Length - total (m)	~11.6	~12.2	~14.1
B. Width - body (m)	3.8	4.5	4.5
C. Height - frame (m)	2.8	3.3	3.5
D. Cutting width (m)	min. 4.8 / max. 5.1	min. 5.4 / max. 5.9	min. 5.8 / max. 6.3
E. Cutting height (m)	min. 2.84 / max. 3.1	min. 3.3 / max. 3.9 adjustable	min. 3.8 / max. 4.8 adjustable
Max. cutting speed (m/min)	dependent on geologic conditions		
Machine weight (t)	~160	~245	~260
Cutter motor power, rotors (kW)	2 x 370	2 x 448	2 x 500
Drum drive (kW)	transfer driven (cardan shaft)	3 x 160	4 x 200
Hydraulic motor power (kW)	250	250	250
Total installed power (kW)	990	1663	2058
Electric supply voltage (V)	3300/50Hz / 4160/60Hz	4160/60Hz	4160/60Hz
Profile area (m²)	14-15	23	24-32 adjustable

### DIMENSIONS



## SANDVIK MF SERIES

Sandvik’s range of borer miners include the models MF320, MF420 and MF460. The Sandvik borer miner is the world’s heaviest and most powerful continuous miner, specially engineered to cut and deliver material to the rear of the machine in one continuous operation.

This full-face machine with two rotor arms is used to drive entries and headings and mine rooms as fast as haulage equipment can remove material to the main haulage. It is an ideal choice for potash, trona and salt.

The cutting and conveying system are connected to the crawler unit with thrust posts and trim cylinders, whereby the cutting and conveying unit is height adjustable, tiltable and rollable.

The crawler tractor frame is supporting the entire machine weight, that means to transfer the weight further to the crawler chains via the boogie wheels.

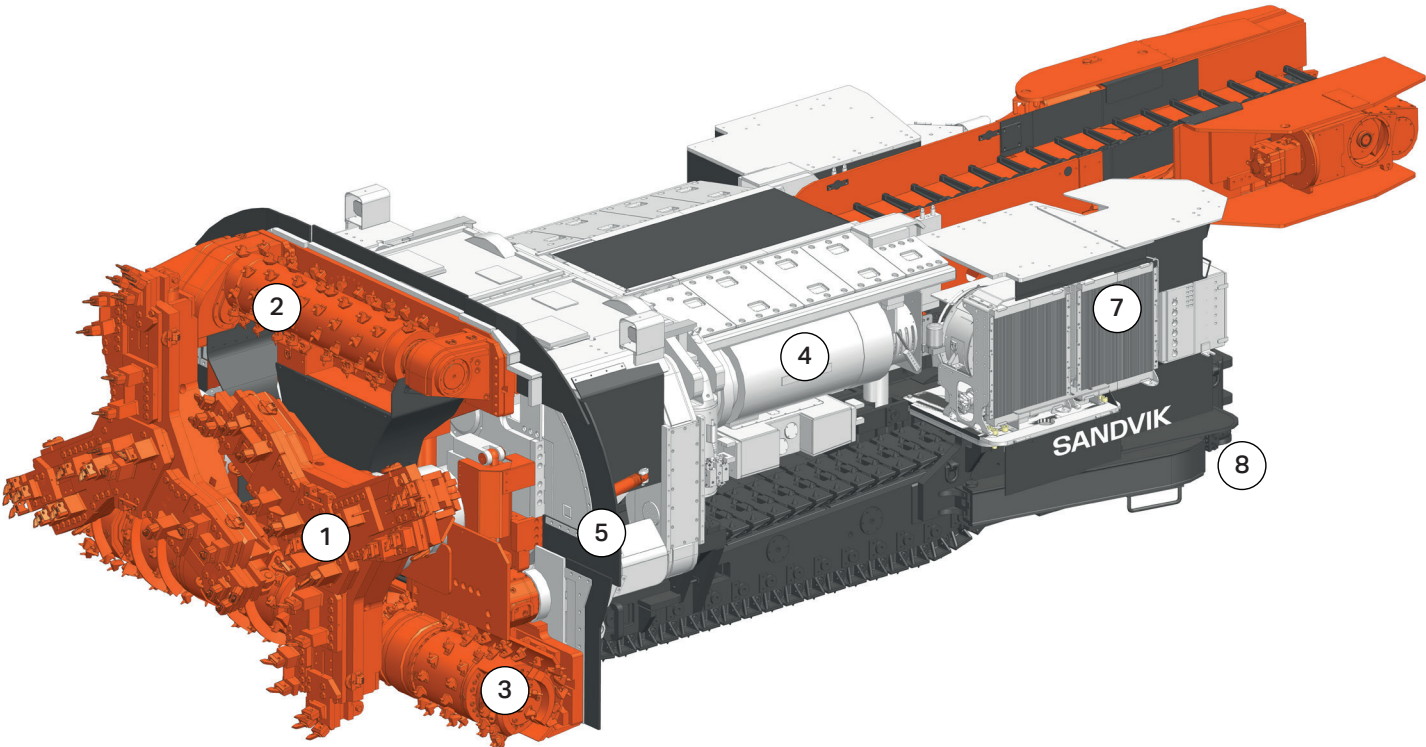
A chain conveyor transfers the cut material back to the end of the borer miner.

### KEY FEATURES AND BENEFITS

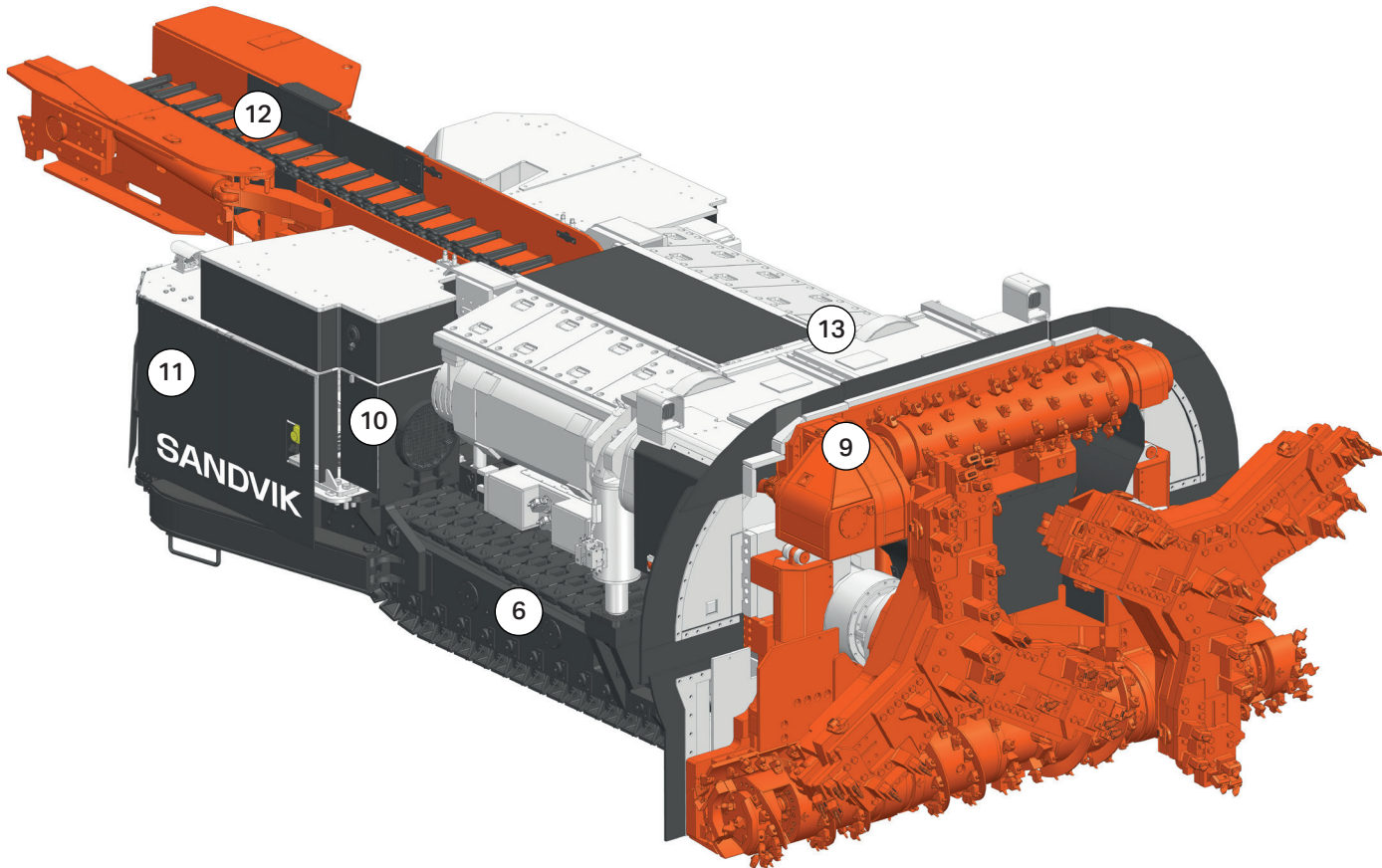
- ✓ Long-lasting components for low cost of ownership and more uptime
- ✓ Operates with high availability, resulting in low maintenance costs
- ✓ Optional on-board roof bolting rigs ensure safe operation
- ✓ Optional radio-remote control available for higher flexibility and safe operation
- ✓ Health monitoring system of the machine increases running-time and ensures smart feedback for process management

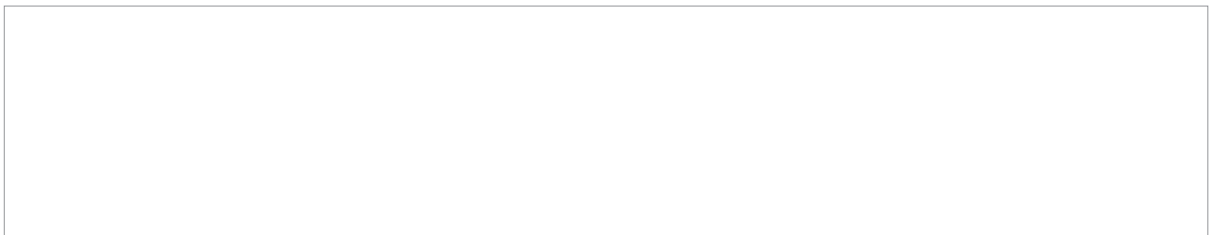


# KEY COMPONENTS AND FUNCTIONS OF A TYPICAL MF320 BORER MINER



- 1 Extendable rotor arms
- 2 Top drum unit
- 3 Extendable bottom drum unit
- 4 Rotor motor
- 5 Dust doors
- 6 Crawler track
- 7 Cooling system
- 8 Steering boosters (side stabilizer)
- 9 Top drum drive gearbox
- 10 Hydraulic motor
- 11 Hydraulic system (incl. E-Motor)
- 12 Conveyor system
- 13 Rotor drive gearbox





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.