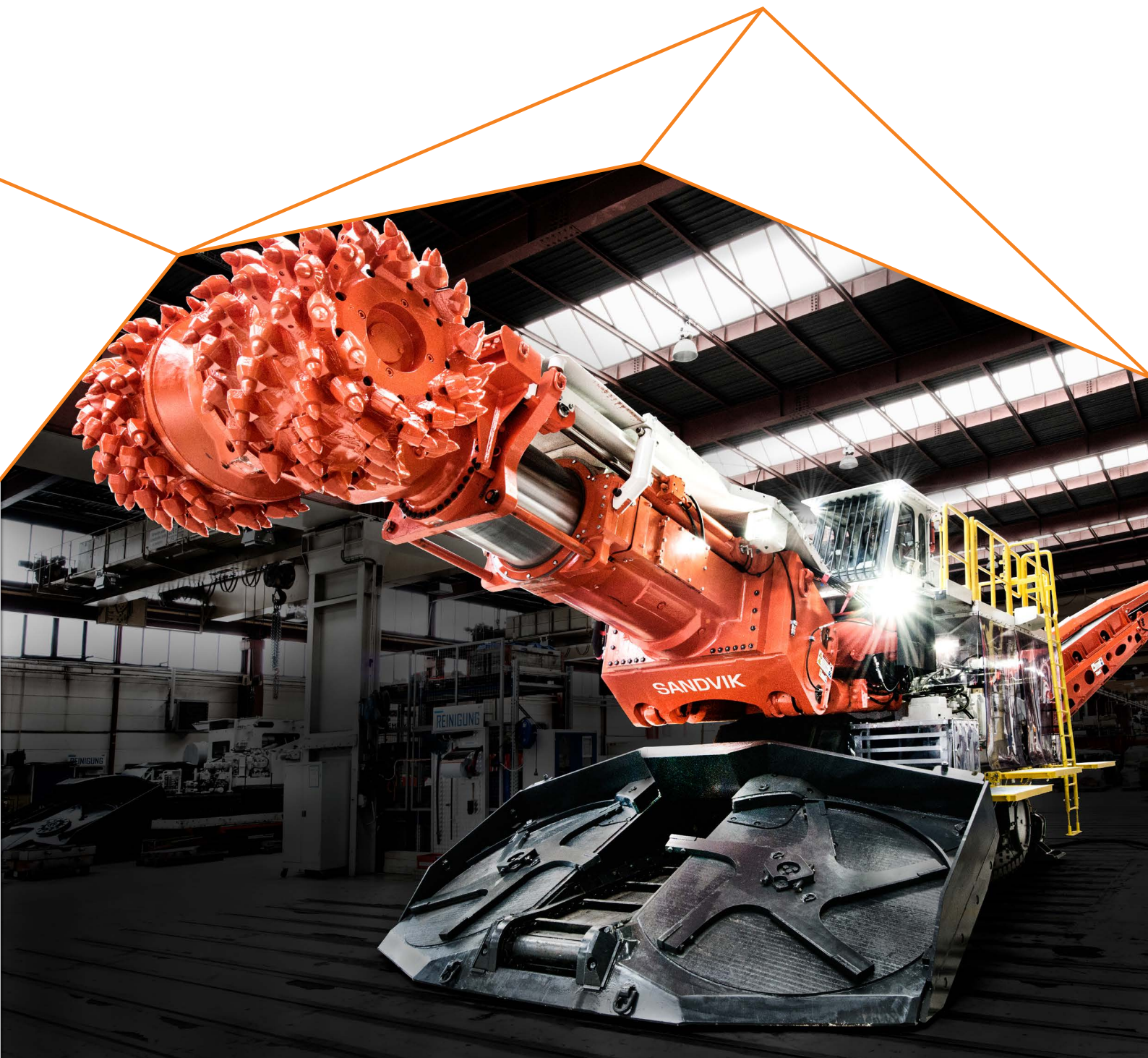




SANDVIK MT720 ROADHEADER

PRODUCT LEAFLET

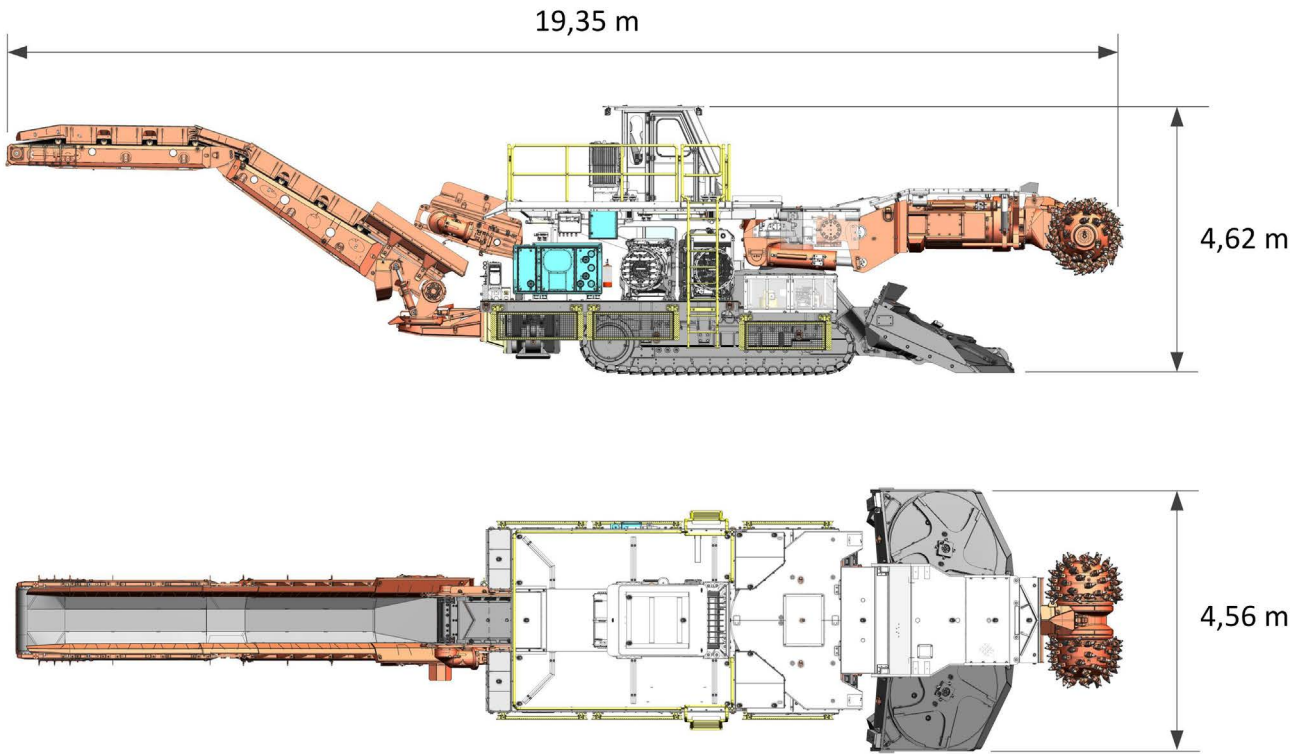




TECHNICAL DATA

Machine model	MT720
Total weight +/- (t)	130
Machine ground pressure (MPa)	0.25
Overall length (m)	19.35
Height (m)	4.62
Loading table width (m)	4.56
Cutter boom telescope (mm)	650
Cutting height, max. (m)	6.6
Cutting width, max. (m)	9.1
Undercut - extended telescope (mm)	480
Cutter - retracted telescope (mm)	230
Cutting speed, 50 Hz (m/sec)	1.4
Navigable gradient, incline/decline (°)	±18
Capacity of conveyor, max. (m³/h)	400
Electric supply voltage (V)	1000/1140
Cutter motor (kW)	300
Tramming speed (m/min)	0-18
Total installed power (kW)	522

DIMENSIONS



SANDVIK MT720

The Sandvik roadheaders for construction are equipped with powerful, geometrically optimized, transverse cutter heads proven to give the best cutting performance in a wide range of rock conditions.

Subway tunnels, road tunnels, shaft sinking, rehabilitation of existing tunnels and excavation of underground caverns are just a few examples where these machines have demonstrated their great flexibility.

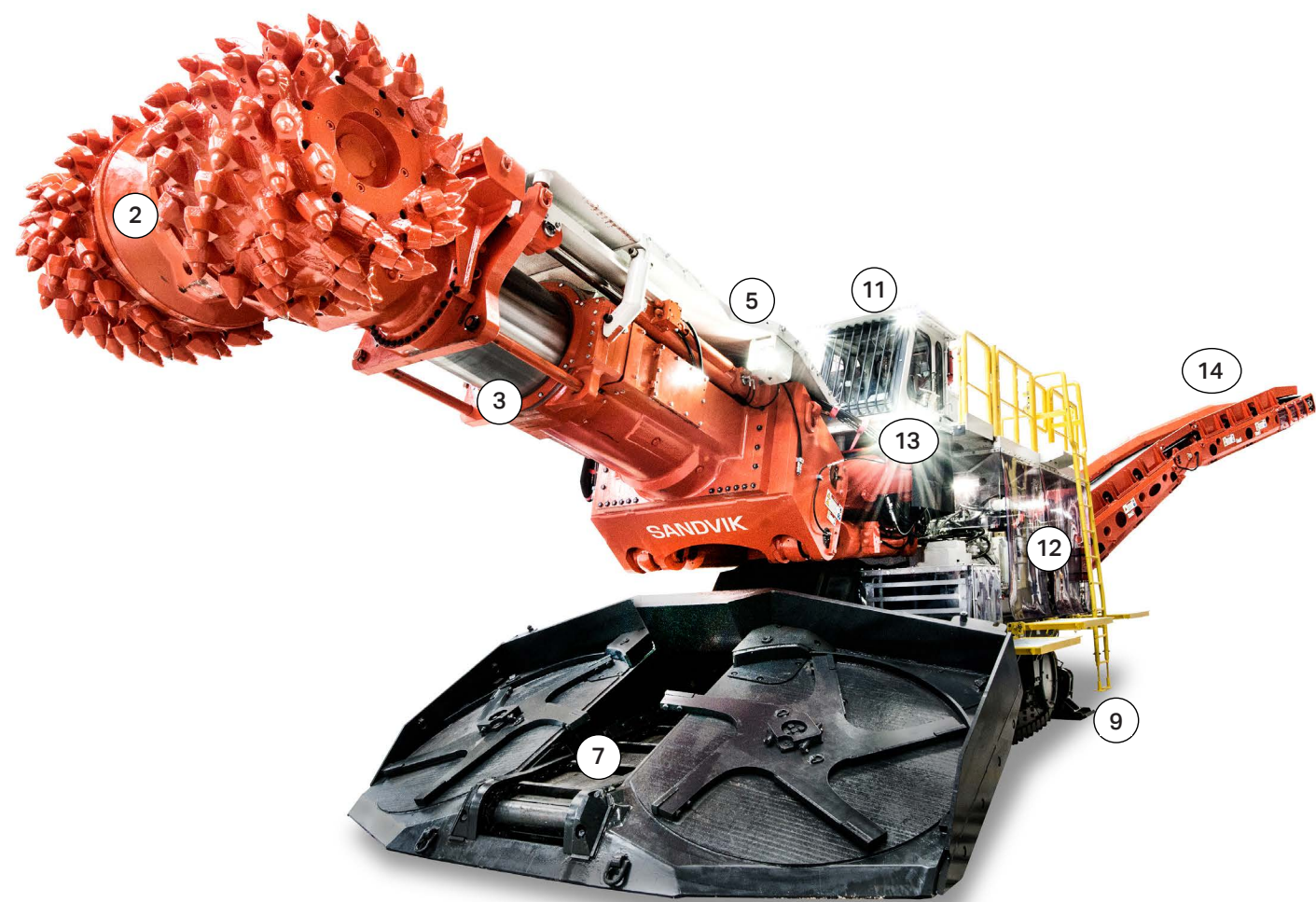
Our Sandvik MT720 is an electrically powered and crawler-mounted boom-type roadheader which is engineered to cut hard and abrasive rock beyond 120 MPa compressive strength at mechanized tunneling.

This extremely powerful 140-ton-class roadheader has a powerful transversal cutter head mounted on an extremely robust telescopic boom.

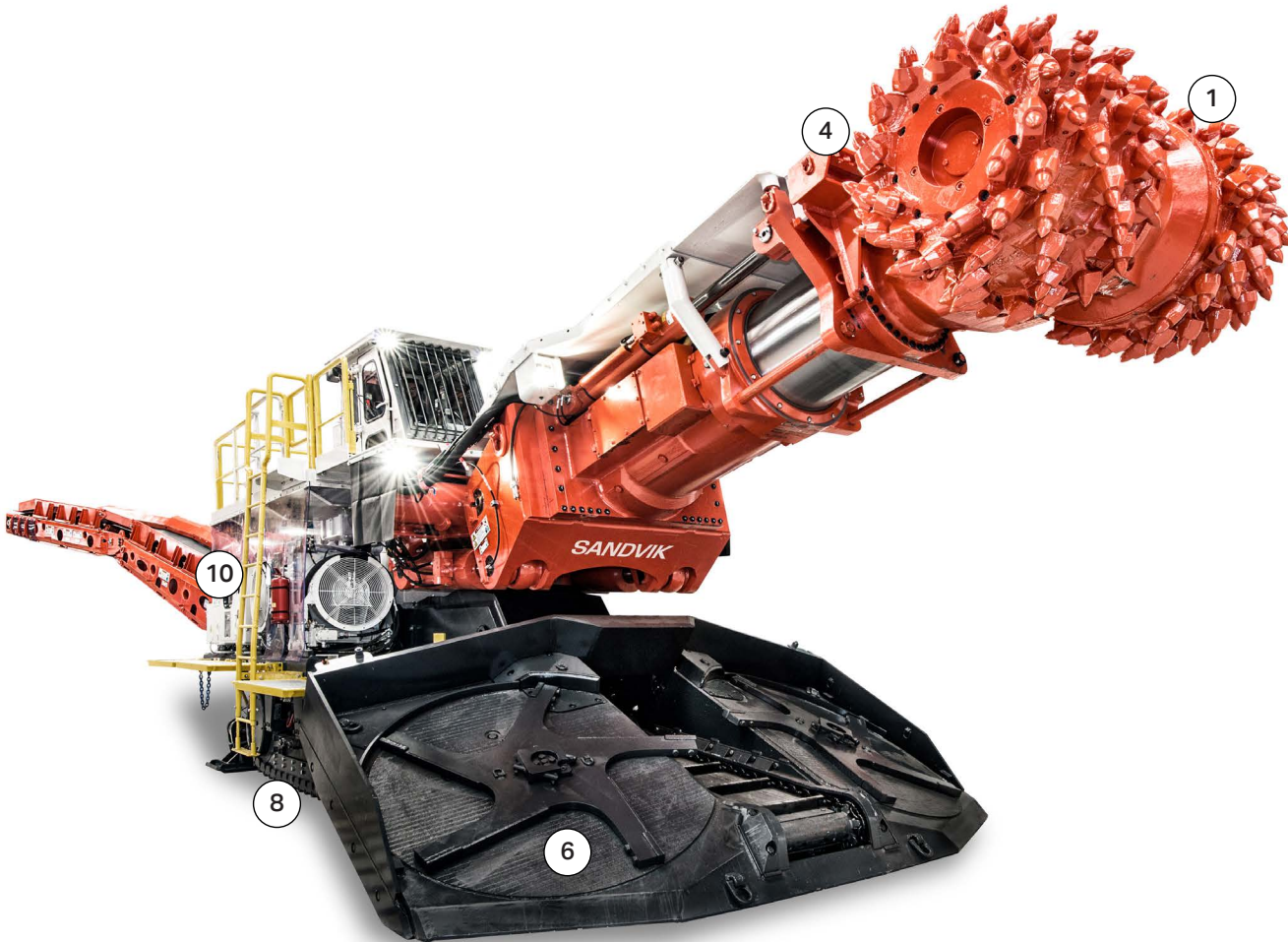
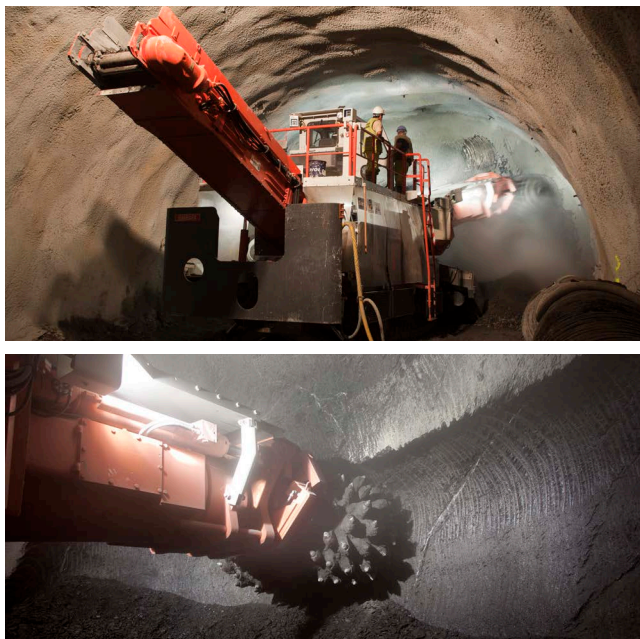
KEY FEATURES AND BENEFITS

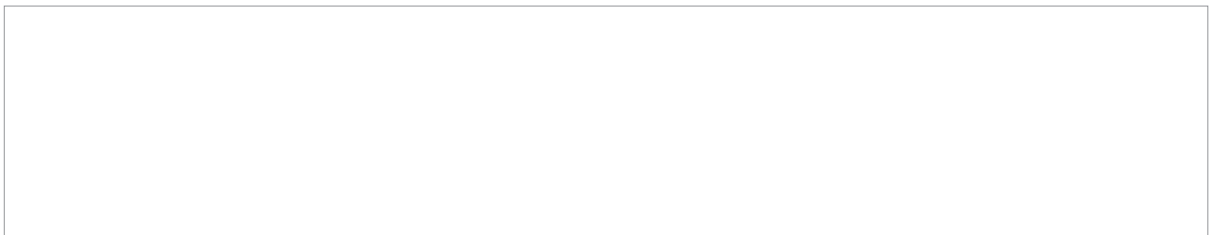
- Improved safety features ensure safe underground working conditions and less hazards
- Robust machine design for increased availability and reduced service costs
- Optional roadheader guidance system for excellent profile accuracy to decrease costs for rock support
- Heavy-duty design and ICUTROC® technology for hardrock applications
- Various digitalisation options to optimize customer value

KEY COMPONENTS AND FUNCTIONS OF A TYPICAL MT720 TUNNELING ROADHEADER



- 1 Cutter head designed for a wide range of hard rock conditions
- 2 Cutter gearbox for low cutting speed and high torque (ICUTROC®)
- 3 Telescopic cutter boom with strong 300 kW E-Motor
- 4 Water spray system to elongate tool life-time and reduce dust
- 5 Turret with rack and pinion system for constant slewing speeds
- 6 Loading table for improved material flow
- 7 Double chain conveyor for material transfer
- 8 Crawler tracks provide the required flexibility
- 9 Frame with rear stabilizer with robust design to withstand all high cutting forces
- 10 Electrical equipment
- 11 Operator's cabin with optional air condition for safe and convenient working conditions
- 12 Hydraulic system with three circuits and load sensing technology
- 13 Automatic lubrication system of most critical lubrications points to reduce service efforts
- 14 Slewing belt conveyor provides flexible loading on haulage equipment





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.