

# S300

For Medium-Hard Rock & Large Cross-Section

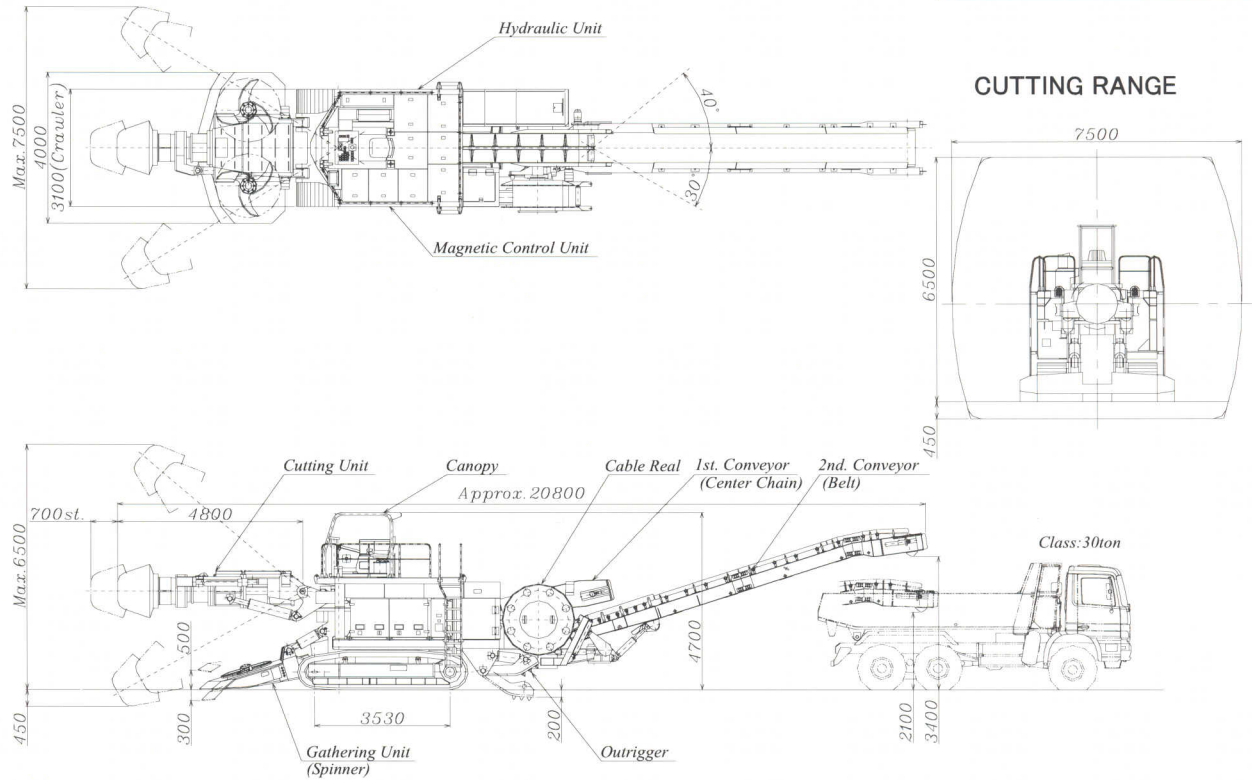
# ROAD HEADER



## FEATURES

- 1 S-300 Road Header is a world's largest-class tunneling machine developed for excavation of a wide range of soft to medium-hard rocks. It is applicable to every kind of tunneling including railroads, roads, mining, waterworks, sewerage systems, and others.
- 2 This road header is capable of excavating hard rock up to 130MPa compressive strength, and has proved to be sufficient under a wide scope of geological conditions, performing safe, efficient tunneling.
- 3 Adopted is world's largest-class 300kW, 2-speed pole-change motor that offers powerful cutting.
- 4 Large round-type picks for hard rocks are employed. Pick cooling and dust dispersion prevention are achieved by spraying high-pressure water around the pick front edge.
- 5 The power control system automatically adjusts cutting drum transfer speed, preventing cutting motor overload and ensuring continuous cutting.
- 6 For long-distance transfer, travel by diesel engine is possible, requiring no electric power supply (optional specification)

GENERAL DRAWING



MRH-S300A TYPE MAJOR SPECIFICATIONS

Overall length	m	20.8	No.1 conveyor	Center chain conveyor
Overall height	m	4.7	Conveyor width	m 0.75
Overall width	m	4.0	Conveyor speed	m/min 36/43-50/60Hz
Total weight	ton	95	No.2 conveyor	Belt conveyor
Cutting height	m	6.5	Belt width	m 0.9
Cutting width	m	7.5	Conveyor speed	m/min 61/73-50/60Hz
Under cut	m	0.45	Travel speed	High 13/14-50/60Hz
Cutting motor(Rated)	kW	300/150-4/8P		Low 6.5/7.5-50/60Hz
Hydraulic motor(Rated)	kW	90-4P	Crawler shoe width	m 0.75
Total installed power	KW	396.3	Track width	m 3.1
Drum revolution	min <sup>-1</sup>	High 36/43-50/60Hz	Ground pressure	MPa 0.16
		Low 18/22-50/60Hz	Gradeability	° ±15
Extension stroke	m	0.7	Water spray system	High pressure water jet
Gathering width	m	4.0	Oil tank capacity	L 800
Gathering arm revolution	min <sup>-1</sup>	24/29-50/60Hz	Supply voltage	V 1000/1100-50/60Hz
Loading capacity	m <sup>3</sup> /min	Max. 4.8/5.8-50/60Hz	Required power	KVA more than 500

Note : Above specifications are may be changed without notice.

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