

# S200 ROAD HEADER

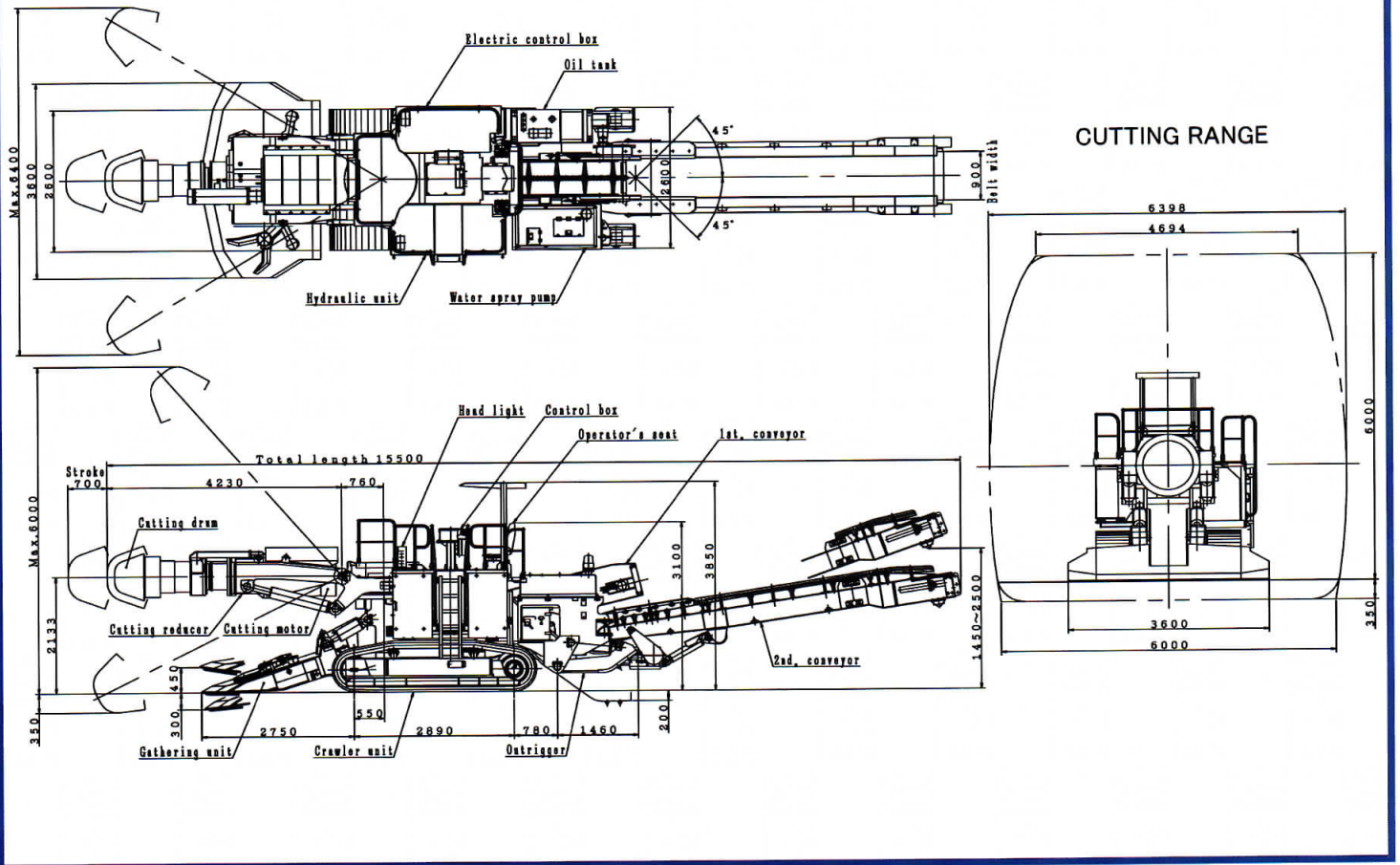
For Medium-Hard Rock & Large Cross-Section



## FEATURES

- 1 Model S200 Road Header has been developed specifically for application to tunnel excavation of medium to hard rocks in large cross-section areas. However, this Road Header also can be used for cutting jobs on general road construction or on tunnels for Shinkansen train.
- 2 In spite of its compact machine body design, the S200 Road Header is capable of reaching a working height of 6.0m, offering adequate ability in upper-half areas of tunnels of any size.
- 3 A 200kW, 2-speed pole-change motor adopted provides the most efficient cutting force. Adequate torque can be provided for excavating medium to hard rocks.
- 4 The incorporated automatic cutting-load control system (power control) automatically adjusts drum moving speed according to cutting loads, resulting in effectively regulating the excavation force and upgrading the cutting efficiency.
- 5 The drum is provided with a water jet-spray system that achieves pick cooling and dust dispersion prevention by spraying high-pressure water around the pick front edge.
- 6 Maximum gathering width is 3.6m. However, by detaching the side plows from the gathering frame, this width can be reduced to 2.6m—namely, the same that of the machine body crawler section.

GENERAL DRAWING



MRH-S200 TYPE MAJOR SPECIFICATIONS

Overall length	m	15.5	No.1 conveyor	Center chain conveyor
Overall height	m	3.85	Conveyor width	m 0.65
Overall width	m	3.6	Conveyor speed	m/min 30/36-50/60Hz
Total weight	ton	55	No.2 conveyor	Belt conveyor
Cutting height	m	6.0	Belt width	m 0.9
Cutting width	m	6.4	Conveyor speed	m/min 61/73-50/60Hz
Under cut	m	0.35	Travel speed	m/min High 15/18-50/60Hz
Cutting motor(Rated)	kW	200/110-4/8P		m/min Low 7.5/9-50/60Hz
Hydraulic motor(Rated)	kW	60-4P	Crawler shoe width	m 0.6
Total installed power	KW	265.7	Track width	m 2.6
Drum revolution	min <sup>-1</sup>	High 46/55-50/60Hz	Ground pressure	MPa 0.14
		Low 23/28-50/60Hz	Gradeability	° ±15
Extension stroke	m	0.7	Water spray system	High pressure water jet
Gathering width	m	3.6	Oil tank capacity	L 600
Gathering arm revolution	min <sup>-1</sup>	25/30-50/60Hz	Supply voltage	V 400/440-50/60Hz
Loading capacity	m <sup>3</sup> /min	Max. 4.3/5.2-50/60Hz	Required power	KVA more than 400

Note : Above specifications are may be changed without notice.

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