



# SMG200 MOTOR GRADER



## Precision hydraulic system

- ◆ The load sensing hydraulic system provides adequate flow during multiple implement operation. The rapid, precise response to control input results in exceptional grading quality.
- ◆ The automatic regulation of pump flow based on load conditions results in increased fuel economy.
- ◆ In the optional "intelligent fan" cooling system, the fan speed is continuously variable the cooling system operating temperature.

## Powerful powertrain system

- ◆ Direct drive power shift transmission delivers smooth, responsive shifting.

## Comfortable operator environment

- ◆ Provides the operator with a 360 degree field of vision.
- ◆ "Silent ride" engineered cab.

## Reliable structure

- ◆ The precision, reliable, low maintenance circle bearing reduces maintenance costs.

## Convenient maintenance

- ◆ Conveniently located handrails and steps provide easy access to filters, fluids and service items
- ◆ The centralized lay out of filters are easy for maintenance.

## Technical specifications

Model	SMG200 (PDJ10000083)	
<b>Power system specification</b>	Engine	CUMMINS
	Emission	EPA Tier4(f)
	Model	QSL9
	Rated power (kW)	186
	Rated rotation speed (rpm)	2200
	Peak torque(Nm)	1085
<b>Dimensions</b>	Basic (L × W × H) (mm)	9187 × 2667 × 3498
	Typically equipped (with front counterweight and rear scarifier) (L × W × H) (mm)	10572 × 2667 × 3498
	With front dozer plate and rear ripper (L × W × H) (mm)	11554 × 2740 × 3498
	Front and rear axle base (mm)	6300
	Middle and rear wheel base (mm)	1524
	Min. Ground clearance (mm)	370
<b>Load Spec.</b>	Weight of basic type (kg)	17670 (12ft blade) / 17800 (14ft blade)
	Weight of typically equipped (with front counterweight and rear scarifier) (kg)	20170 (12ft blade) / 20300 (14ft blade)
	Max. total weight (with front dozer plate and rear ripper) (kg)	20470 (12ft blade) / 20600 (14ft blade)
<b>Operating device specification</b>	Length of blade (mm)	4270 (standard)
	Height of blade(mm)	620
	Tilt angle	±90°
	Turning angle	360°
	Max. Lift above ground (mm)	480
	Max. Depth of cut (mm)	715
	Blade tip range	Front 40° , rear 5°
<b>Running specification</b>	Gears	8 forward and 6 reverse
	Forward speed (km/h)	4.0/5.4/8.0/10.9/19.1/23.4/32.3/46.8
	Reverse speed (km/h)	3.2/5.9/8.7/13.5/25.3/37
	Steering angle of front wheel	Left 50° , right 50°
	Tilt angle of front wheel	Left 17° , right 17°
	Articulated steering angle	Left 22° , right 22°
	Oscillation angle of front axle	Up 16° , down 16°
	Min. Turning radius (m)	7.5
	Model of tire	17.5R25
<b>Tank capacity</b>	Max capacity of hydraulic oil tank (L)	115
	Max. capacity of fuel tank (L)	340

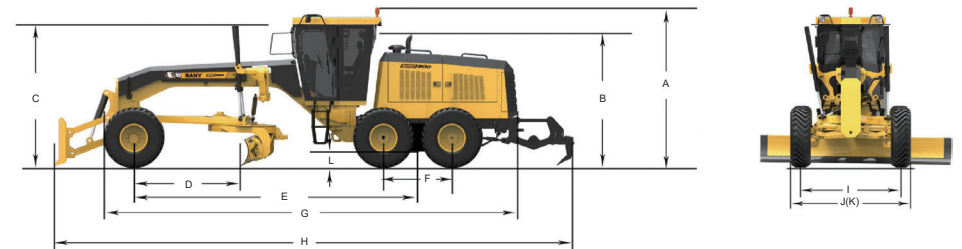
## Basic & optional configurations

Model	Standard	Optional
<b>SMG200C-8</b>	14ft moldboard	12ft moldboard
	HVAC	/
	/	Front dozer blade
	/	Front scarifier
	/	Rear ripper
	Warning light	/
	Rear camera	/
	/	Automatic leveling system

## Dimensions

Model	Name	SMG200C-8
A	Height to top of cab (mm)	3498
B	Height at exhaust stack (mm)	2912
C	Height to top of cylinders (mm)	3110
D	Length - front axle to moldboard (mm)	2460
E	Wheel base - between front and rear axles (mm)	6300
F	Wheel base - between middle and rear wheel (mm)	1524
G	Length - front tire to rear of machine (mm)	9187
H	Overall length - front dozer blade to ripper (mm)	11554
I	Width - rear tire center lines (mm)	2270
J	Width - outside front tires (mm)	2650
K	Width - outside rear tires (mm)	2725
L	Ground clearance at rear axle (mm)	370

Notes: Due to technical and product updates, data on specifications might change without prior notice. The pictures may differ from a real machine.



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The product configuration (including technical parameters) is subject to change and the delivered actual machine without notice.

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