

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
- 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

Engine	Model		SMG200 (PDJ100000157)
Rated power (kW) 186 Rated power (kW) 186 Rated power (kW) 186 Rated rotation speed (rpm) 2200	system	Engine	CUMMINS
Rated power (kW) 186		Emission	EPA Tier4(f)
Rated power (k/V) 186		Model	QSL9
Peak torque(Nm)		Rated power (kW)	186
Basic (L × W × H) (mm) 9187 × 2667 × 3498		Rated rotation speed (rpm)	2200
Typically equipped (with front counterweight and rear scarifier) (L × W × H) (mm)		Peak torque(Nm)	1085
Dimensions		Basic (L×W×H) (mm)	9187 × 2667 × 3498
With front dozer plate and rear ripper (L × W× H) (mm) Front and rear axle base (mm) 6300	Dimensions		10572×2667×3498
Front and rear axle base (mm) Middle and rear wheel base (mm) Min. Ground clearance (mm) Stead Spec. Weight of basic type (kg) Length of blade (mm) Height of blade (mm) Tilt angle Turning angle Turning angle Max. Lift above ground (mm) A80 Max. Depth of cut (mm) Blade tip range Front 40°, rear 5° Gears Running Specification Running Specification Running Front wheel Articulated steering angle Coscillation angle of front axle Min. Turning radius (m) Max. capacity Max capacity Front 40°, down 16° Min. Turning radius (m) 7.5 Max capacity Max capacity Front 40°, down 15° 1154 154 154 154 155 1524 16300 1524 16300 1524 16300 1524 16300 16300 17960 (14ft blade) 1690 1690 1690 17960 (14ft blade) 1690 1690 1690 1690 175 175 175 175 175 175 175 17		With front dozer plate and rear ripper	11554×2740×3498
Min. Ground clearance (mm) 370		Front and rear axle base (mm)	6300
Load Spec. Weight of basic type (kg) Length of blade (mm) Height of blade (mm) At 270 (14ft blade) Height of blade (mm) Filt angle Tilt angle Turning angle Specification Max. Lift above ground (mm) Max. Depth of cut (mm) Blade tip range Front 40°, rear 5° Gears Forward speed (km/h) Reverse speed (km/h) At 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 Oscillation angle of front axle Min. Turning radius (m) Max. Capacity Max capacity Tank capacity		Middle and rear wheel base (mm)	1524
Length of blade (mm) Height of blade (mm) Coperating device specification Tilt angle Turning angle Turning angle Turning angle Max. Lift above ground (mm) Max. Depth of cut (mm) Total Blade tip range Gears Gears Roward and 6 reverse Forward speed (km/h) Reverse speed (km/h) Reverse speed (km/h) Tilt angle of front wheel Left 50°, right 50° Tilt angle of front wheel Left 17°, right 17° Articulated steering angle Oscillation angle of front axle Min. Turning radius (m) Tank capacity Tank capacity		Min. Ground clearance (mm)	370
Operating device specification Tilt angle	Load Spec.	Weight of basic type (kg)	17960 (14ft blade)
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° 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 Max capacity		Length of blade (mm)	4270 (14ft) (standard)
Turning angle Max. Lift above ground (mm) A80 Max. Depth of cut (mm) T15 Blade tip range Front 40°, rear 5° Gears Forward and 6 reverse Forward speed (km/h) A.0/5.4/8.0/10.9/19.1/23.4/32.3/46.8 Reverse speed (km/h) 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 Tank capacity Max capacity of hydraulic oil tank (L) Tank capacity		Height of blade(mm)	620
Turning angle Turning angle Max. Lift above ground (mm) Max. Depth of cut (mm) Blade tip range Gears Gears Front 40°, rear 5° Gears Forward speed (km/h) Reverse speed (km/h) Steering angle of front wheel Tilt angle of front wheel Articulated steering angle Coscillation angle of front axle Min. Turning radius (m) Tank capacity Max capacity of hydraulic oil tank (L) Tank capacity	Operating	Tilt angle	±90°
Max. Lift above ground (mm) Max. Depth of cut (mm) Blade tip range Gears Front 40°, rear 5° Gears 8 forward and 6 reverse Forward speed (km/h) 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 Tank capacity Max capacity of hydraulic oil tank (L) 115	device	Turning angle	360°
Blade tip range Gears B forward and 6 reverse Forward speed (km/h) Reverse speed (km/h) Steering angle of front wheel Tilt angle of front wheel Articulated steering angle Oscillation angle of front axle Min. Turning radius (m) Model of tire Tank capacity Front 40°, rear 5° 8 forward and 6 reverse 14.0/5.4/8.0/10.9/19.1/23.4/32.3/46.8 Reverse speed (km/h) 3.2/5.9/8.7/13.5/25.3/37 Steering angle of front wheel Left 50°, right 50° Left 17°, right 17° Articulated steering angle Left 22°, right 22° Oscillation angle of front axle Up 16°, down 16° 17.5 R25	specification	Max. Lift above ground (mm)	480
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 Tank capacity Max capacity of hydraulic oil tank (L) 115		Max. Depth of cut (mm)	715
Forward speed (km/h) Reverse speed (km/h) Steering angle of front wheel Tilt angle of front wheel Articulated steering angle Oscillation angle of front axle Min. Turning radius (m) Model of tire Tank capacity 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 Left 50°, right 50° Left 17°, right 17° Left 22°, right 22° Oscillation angle of front axle Up 16°, down 16° 17.5R25		Blade tip range	Front 40°, rear 5°
Running specification Running specification Reverse speed (km/h) Steering angle of front wheel Left 50°, right 50° 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 Tank capacity Max capacity of hydraulic oil tank (L) 115		Gears	8 forward and 6 reverse
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 Tank capacity Max capacity of hydraulic oil tank (L) 115		Forward speed (km/h)	4.0/5.4/8.0/10.9/19.1/23.4/32.3/46.8
Running specification 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 Tank capacity Max capacity of hydraulic oil tank (L) 115		Reverse speed (km/h)	3.2/5.9/8.7/13.5/25.3/37
Articulated steering angle 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 Tank capacity Max capacity of hydraulic oil tank (L) 115		Steering angle of front wheel	Left 50°, right 50°
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 Max capacity of hydraulic oil tank (L) 115		Tilt angle of front wheel	Left 17°, right 17°
Min. Turning radius (m) 7.5 Model of tire 17.5R25 Max capacity of hydraulic oil tank (L) 115		Articulated steering angle	Left 22°, right 22°
Model of tire 17.5R25 Max capacity of hydraulic oil tank (L) 115 Tank capacity		Oscillation angle of front axle	Up 16°, down 16°
Max capacity of hydraulic oil tank (L) Tank capacity 115		Min. Turning radius (m)	7.5
Tank capacity		Model of tire	17.5R25
Max. capacity of fuel tank (L) 340	Tank capacity	Max capacity of hydraulic oil tank (L)	115
		Max. capacity of fuel tank (L)	340

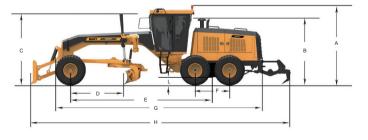
Basic & optional configurations

Model	Standard	Optional
SMG200C-8	14ft moldboard	12ft moldboard
	HVAC	/
	/	Front dozer blade
	/	Front scarifier
	/	Rearripper
	Warning light	/
	Rear camera	/
	1	Automatic leveling system

Dimensions

Model	Name	SMG200C-8
А	Height to top of cab (mm)	3498
В	Height at exhaust stack (mm)	2912
С	Height to top of cylinders (mm)	3110
D	Length - front axle to moldboard (mm)	2460
Е	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
Н	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.





SANY HEAVY INDUSTRY CO., LTD.

SANY Industrial Park, Economic and Technological Development Zone, Changsha, Hunan, China, 410100
Sales Hotline
Tel: 0.0086-731-55335199
Tel: 0.0086-3016098318
Mail: sales@sanyglobal.com
Mail: CRD@sany.com.cn

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

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