

SMG200C-8 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

Engine CUMMINS	Model		SMG200C-8 (PDJ100000083)
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 (kW) 186		Model	QSL9
Peak torque(Nm)		Rated power (kW)	186
Dimensions		Rated rotation speed (rpm)	2200
Typically equipped (with front counterweight and rear scarfier) (L ×W ×H) (mm)		Peak torque(Nm)	1085
Dimensions	Dimensions	Basic (L×W×H) (mm)	9187×2667×3498
Dimensions			10572×2667×3498
Front and rear axle base (mm) 6300 Middle and rear wheel base (mm) 1524 Min. Ground clearance (mm) 370 Weight of basic type (kg) 17670 (12ft blade) / 17800 (14ft blade) Weight of typically equipped (with front counterweight and rear scanfier) (kg) Max. total weight (with front dozer plate and rear ripper) (kg) Max. total weight (with front dozer plate and rear ripper) (kg) 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° Gears 8 forward and 6 reverse Forward 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 of hydraulic oil tank (L) 115		With front dozer plate and rear ripper	11554×2740×3498
Min. Ground clearance (mm) Weight of basic type (kg) Weight of basic type (kg) Weight of basic type (kg) Weight of typically equipped (with front counterweight and rear scarfier) (kg) Max. total weight (with front dozer plate and rear ripper) (kg) Length of blade (mm) Height of blade (mm) Tilt angle Turning angle Max. Lift above ground (mm) Max. Depth of cut (mm) Poperating device Specification Running Running Running Specification Min. Turning radius (m) Min. Turning radius of hydraulic oil tank (L) Max. capacity Max. Depth of basic type (kg) 17670 (12ft blade) / 20300 (14ft blade) 20170 (12ft blade) / 20300 (14ft blade) 20470 (12ft blade) / 20600 (14ft blade)		Front and rear axle base (mm)	6300
Weight of basic type (kg) Load Spec. Weight of typically equipped (with front counterweight and rear scarifier) (kg) Max. total weight (with front dozer plate and rear ripper) (kg) Length of blade (mm) Length of blade (mm) Height of blade (mm) Tilt angle Turning angle Specification Running Specification Weight of basic type (kg) Weight of typically equipped (with front counterweight and rear scarifier) (kg) Max. total weight (with front dozer plate and rear ripper) (kg) Length of blade (mm) Height of blade (mm) A270 (standard) 4270 (standard) Height of blade (mm) 620 Tilt angle Turning angle Max. Lift above ground (mm) Max. Depth of cut (mm) 715 Blade tip range Front 40°, rear 5° Gears 8 forward and 6 reverse Forward speed (km/h) A1.0/5.4/8.0/10.9/19.1/23.4/32.3/46.8 Reverse speed (km/h) Steering angle of front wheel Left 17°, right 17° Articulated steering angle Left 22°, right 22° Oscillation angle of front axle Min. Turning radius (m) 7.5 Model of tire Max capacity Max capacity Max aspacity of hydraulic oil tank (L) 115		Middle and rear wheel base (mm)	1524
Weight of typically equipped (with front counterweight and rear scarifier) (kg) Max. Iotal weight (with front dozer plate and rear ripper) (kg) Length of blade (mm) Length of blade (mm) Height of blade (mm) Height of blade (mm) Tilt angle Turning angle Specification Max. Lift above ground (mm) Max. Depth of cut (mm) Front 40°, rear 5° Gears Running Running Running Running Specification Running R		Min. Ground clearance (mm)	370
counterweight and rear scarifier) (kg) Max. total weight (with front dozer plate and rear ripper) (kg) Length of blade (mm) Height of blade(mm) Coperating device specification Max. Lift above ground (mm) Max. Depth of cut (mm) Blade tip range Gears Forward speed (km/h) Reverse speed (km/h) Reverse speed (km/h) Steering angle of front wheel 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 Max capacity Left 50° 17.5R25 Max capacity Max capacity Max capacity 20470 (12ft blade) / 20300 (14ft blade) 20470 (12ft blade) / 20600 (14ft blade) 4270 (standard) 480 As 2070 (left blade) / 20600 (14ft blade) 20470 (12ft blade) / 20600 (14ft blade) 4270 (standard) 480 As 2070 (left blade) / 20600 (14ft blade) 20470 (12ft blade) / 20600 (14ft blade) 4270 (standard) 480 As 2070 (left blade) / 20600 (14ft blade) 4270 (standard) 480 As 2070 (left blade) / 2060 (left blade) 500	Load Spec.	Weight of basic type (kg)	17670 (12ft blade) / 17800 (14ft blade)
Length of blade (mm) Length of blade (mm) Height of blade (mm) G20 Tilt angle Tuning angle Specification Max. Lift above ground (mm) Blade tip range Front 40°, rear 5° Gears Reverse speed (km/h) Reverse speed (km/h) Articulated steering angle Articulated steering angle Max. Light blade (mm) Front 40°, rear 5° Gears Reverse speed (km/h) Articulated steering angle Coscillation angle of front axle Min. Turning radius (m) Max. Depth of cut (mm) Articulated of hydraulic oil tank (L) Max. Depth of cut (mm) At 100 At 270 (standard) 4270 (standard) 480 480 As 0 Front 40°, rear 5° Reverse 5° Reverse 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 17°, right 17° Articulated steering angle Dy 16°, down 16° Min. Turning radius (m) 7.5 Model of tire 17.5R25		counterweight and rear scarifier) (kg)	20170 (12ft blade) / 20300 (14ft blade)
Tilt angle Tilt angle Tilt angle Turning angle Specification Max. Lift above ground (mm) Max. Depth of cut (mm) Tots Blade tip range Gears Gears 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) Tank capacity Tilt angle of hydraulic oil tank (L) Tilt angle of port with angle of hydraulic oil tank (L) Tilt angle of port with angle of hydraulic oil tank (L) Tilt angle of hydraulic oil tank (L)			20470 (12ft blade) / 20600 (14ft blade)
Tilt angle Turning angle Turning angle Turning angle Turning angle Turning angle Turning angle Turning angle Turning angle Turning angle Turning angle Turning angle Turning angle Turning angle Turning angle Max. Lift above ground (mm) Table Blade tip range Front 40°, rear 5° Gears Sears Forward and 6 reverse Forward speed (km/h) Turning angle of front wheel Turning angle of front wheel Turning angle of front wheel Turning angle T		Length of blade (mm)	4270 (standard)
Turning angle Max. Lift above ground (mm) Max. Depth of cut (mm) Total Blade tip range Front 40°, rear 5° Gears Som the forward and 6 reverse Forward speed (km/h) 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 Coscillation angle of front axle Up 16°, down 16° Min. Turning radius (m) Tank capacity Max capacity of hydraulic oil tank (L) Tank capacity		Height of blade(mm)	620
Turning angle Turning angle Turning angle Max. Lift above ground (mm) Max. Depth of cut (mm) Tota Blade tip range Gears Front 40°, rear 5° Gears Forward and 6 reverse Forward speed (km/h) 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 Oscillation angle of front axle Up 16°, down 16° Min. Turning radius (m) Tank capacity Tank capacity Tank capacity	Operating	Tilt angle	±90°
Max. Depth of cut (mm) Blade tip range Gears Gears 8 forward and 6 reverse Forward speed (km/h) At 25.9/8.7/13.5/25.3/37 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) Tank capacity Max capacity Max capacity Tilt angle of hydraulic oil tank (L) Max. Lilt above ground (min) 715 Hodel of tire Front 40°, rear 5° 8 forward and 6 reverse 8 forward and 6 reverse 8 forward and 6 reverse 14.0/5.4/8.0/10.9/19.1/23.4/32.3/46.8 12.1/5.9/8.7/13.5/25.3/37 Left 50°, right 50° Left 17°, right 17° Left 22°, right 22° Oscillation angle of front axle Up 16°, down 16° Min. Turning radius (m) 7.5 Model of tire 17.5R25	device	Turning angle	360°
Blade tip range Gears 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	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 Max capacity		Max. Depth of cut (mm)	715
Forward speed (km/h) Reverse speed (km/h) Reverse speed (km/h) Steering angle of front wheel Left 50°, right 50° Tilt angle of front wheel Left 22°, right 22° Oscillation angle of front axle Min. Turning radius (m) 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° T.5 Model of tire 17.5R25		Blade tip range	Front 40°, rear 5°
Running specification Running specification 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 Tank capacity 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° 7.5 Model of tire 17.5R25		Gears	8 forward and 6 reverse
Running specification 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 Max capacity		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 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 Max capacity		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 Max capacity of hydraulic oil tank (L) 115	Running specification	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		Oscillation angle of front axle	Up 16°, down 16°
Max capacity of hydraulic oil tank (L) Tank capacity		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

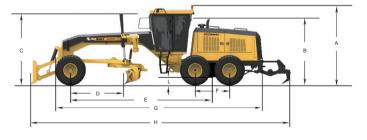
Basic & optional configurations

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
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
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.





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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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