



STG210C-8S MOTOR GRADER



Strong power with high efficiency and fuel-economy

- ◆ High-power heavy-duty engine delivers strong power.
- ◆ Engine variable horse power energy-saving technology enables the machine always work in the lowest fuel consumption zone by matching different power curves.
- ◆ The DC intake system increases the filtration efficiency by 10 times and the service life of the filter element is increased by 4~8 times, and the average fuel saving is 5~8%, which effectively prevents the engine from premature wear.

Upgraded slewing bearing rear axle

- ◆ The structure of the slewing bearing rear axle is upgraded again with no wearing parts, serviceability, and service life more than 10000h.
- ◆ Heavy chain + integral wheel rim+ disc brake ensure safety and reliability.
- ◆ Special integral axle housing for motor grader + heavy duplex roller chain ensure reliability and durability.

New-generation control system

- ◆ Load-sensing operating system with millimeter-level control accuracy guarantees fast cylinder movement and high work efficiency.
- ◆ The new generation of control mechanism, the handle effective stroke accounts for 60%.
- ◆ All kinds of works can be easily handled with accurate action and labor-saving operation.
- ◆ Newly shaped operator station and screed console show high-appearance, the operator station and display screen are infinitely adjustable in angle.

Easy and convenient maintenance

- ◆ SYCD color LCD display show multi-parameter in multi-language.
- ◆ Visual display of fault information, troubleshooting guide, and automatic prompts for regular maintenance.
- ◆ Wide-opening door of the engine compartment, centralized arrangement of common electrical components, fuel tank located at the rear of frame all make the daily maintenance a convenient and quick thing.

Technical specifications

Model	STG210C-8S	
Power system specification	Supplier	WEICHAI
	Emission	CHINA III
	Model	WP6G210E330
	Rated power (kW)	154
	Rated rotation speed (rpm)	2200
	Peak torque(Nm)	900
	Standard (without counterweight) (L × W × H) (mm)	9340 × 2740 × 3348
Dimensions	Front and rear axle base (mm)	6310
	Middle and rear wheel base (mm)	1538
	Clearance (from rear axle to ground) (mm)	410
Load specification	Standard (without counterweight)(kg)	16200
Operating device specification	Length of blade (mm)	3660(12ft) (standard)
	Height of blade (mm)	620
	Tilt angle	± 90°
	Turning angle	360°
	Max. lift above ground (mm)	480
	Max. depth of cut (mm)	630
	Blade tip range	25° ~75°
Running specification	Gears	6 forward and 3 reverse
	Forward speed (km/h)	6/10/13/21/27/42
	Reverse speed (km/h)	6/13/27
	Steering angle of front wheel	± 45°
	Tilt angle of front wheel	± 17°
	Articulated steering angle	± 27°
	Oscillation angle of front axle	± 16°
	Model of tire	17.5-25(12PR) (standard)
Tank capacity	Max. capacity of hydraulic oil tank (L)	140
	Max. capacity of fuel tank (L)	350

Basic & optional configurations

Model	Standard	Optional
STG210C-8S	12ft moldboard	14ft moldboard
	Overload protection circle drive	/
	HVAC	/
	/	Intake preheater (meet -20℃)
	/	Rear camera
	/	Front dozer blade
	/	Five-tooth rear ripper

Dimensions

Model	Name	STG210C-8S
A	Height to top of cab (mm)	3348
B	Height to exhaust pipe (mm)	2717
C	Height to top of blade lift cylinder (mm)	2795
D	Length – front axle to moldboard (mm)	2568
E	Wheel base – between front and rear axles (mm)	6310
F	Wheel base – between middle and rear wheel (mm)	1538
G	Length – front tire to rear of machine (mm)	8775
H	Overall length – standard (mm)	9340
I	Width – rear tire center lines (mm)	2280
J	Width – outside front tires (mm)	2580
K	Ground clearance at rear axle (mm)	410

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

