



# STG170C-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 screen 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	STG170C-8S	
Power system specification	Supplier	WFICHA1
	Model	WP6G180F330
	Emission	CHINA III
	Rated rotation speed (rpm)	2200
	Rated power (kW)	132.5
	Displacement Volume (cc)	6750
	Peak torque(Nm)	750
Dimensions	Standard (without counterweight) (L×W×H) (mm)	8775×2740×3348
	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)	14730
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°
	Minimum turning radius (mm)	7280
	Running specification	Forward speed (km/h)
Reverse speed (km/h)		5/10/26
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)
Gears		6 forward and 3 reverse
Power Transmissions power shift		RWD (Rear Wheel Drive)
Tank capacity		Max. capacity of hydraulic oil tank (L)
	Max. capacity of fuel tank (L)	350

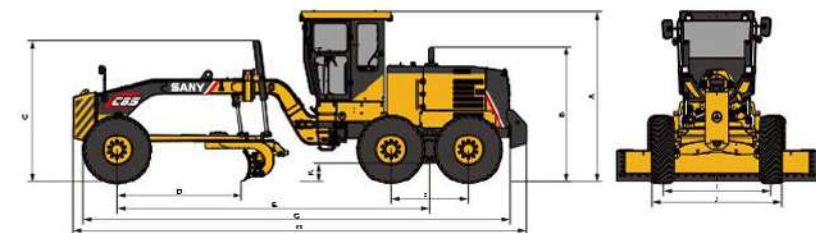
## Basic & optional configurations

Model	Standard	Optional
STG170C-8S	12ft moldboard	/
	Overload protection circle drive	/
	HVAC	/
	/	Intake preheater (meet -20℃)
	/	Rear camera
	/	Front scarifier
	/	Front dozer blade
	/	Eleven-tooth middle ripper
	/	

## Dimensions

Model	Name	STG170C-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
F	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)	8775
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.



### SANY HEAVY INDUSTRY CO., LTD.

SANY Industrial Park, Economic and Technological Development Zone, Changsha, Hunan, China, 410100  
 Sales Hotline: Tel: 0086-731-85831000 Fax: sales@sanyglobal.com  
 Service Hotline: Tel: 0086-400609318 Fax: CRO@sany.com.cn

The product configuration (including technical parameters) is subject to change and the delivered actual machine will follow.

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