



# STG230C-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	STG230C-8S	
Power system specification	Supplier	HUNAN DEUTZ
	Emission	China III
	Model	D07S3-245E0
	Rated power (kW)	180
	Rated rotation speed (rpm)	2200
	Peak torque(Nm)	885
Dimensions	Standard (with front and rear counterweight) (L × W × H) (mm)	9340 × 2545 × 3350
	With front blade and rear counterweight (L × W × H) (mm)	10280 × 2545 × 3350
	With front blade and rear ripper (L × W × H) (mm)	11295 × 2545 × 3350
	Front and rear axle base (mm)	6280
	Middle and rear wheel base (mm)	1527
	Clearance (from rear axle to ground) (mm)	410
Load specification	Standard (with front counterweight) (kg)	16800
	With front blade and rear counterweight (kg)	17800
	With front blade and rear ripper (kg)	18220
Operating device specification	Length of blade (mm)	4270 (14ft) (standard)
	Height of blade (mm)	620
	Tilt angle	±90°
	Turning angle	360°
	Max. lift above ground (mm)	470
	Max. depth of cut (mm)	630
	Blade tip range	26° ~79°
Running specification	Gears	6 forward and 3 reverse
	Forward speed (km/h)	6/10/13/21/27/40
	Reverse speed (km/h)	6/13/27
	Steering angle of front wheel	±40°
	Tilt angle of front wheel	±15°
	Articulated steering angle	±25°
	Oscillation angle of front axle	±16°
	Model of tire	14.0-24 16PR
Tank capacity	Max. capacity of hydraulic oil tank (L)	140
	Max. capacity of fuel tank (L)	310

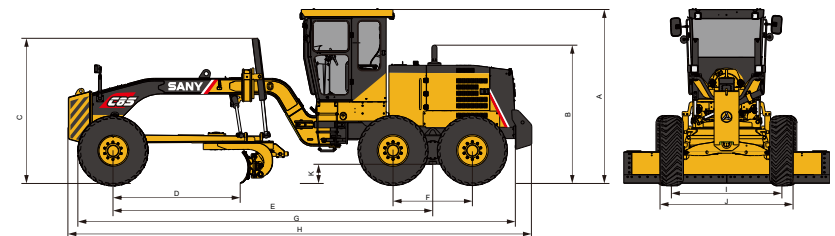
## Basic & optional configurations

Model	Standard	Optional
STG230C-8S	14ft moldboard	12ft moldboard
	Overload protection circle drive	/
	HVAC	/
	/	Intake preheater (meet -20℃ )
	/	Rear camera
	/	Front dozer blade
	/	Five-tooth rear ripper

## Dimensions

Model	Name	STG230C-8S
A	Height to top of cab (mm)	3350
B	Height to exhaust pipe (mm)	2670
C	Height to top of blade lift cylinder (mm)	2784
D	Length - front axle to moldboard (mm)	2408
E	Wheel base - between front and rear axles (mm)	6280
F	Wheel base - between middle and rear wheel (mm)	1527
G	Length - front tire to rear of machine (mm)	8745
H	Overall length - standard (mm)	9240
I	Width - rear tire center lines (mm)	2280
J	Width - outside front tires (mm)	2545
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.



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