

SAG Series Motor Graders

The World's First Hydraulic-Mechanical
Transmission System



SAG160-5

Tiptronic, energy saving and reliable

- ☒ ZF electro-hydraulic automatic transmission, comfortable and easy to operate.

Engine: Tier III engine, environmental friendly and reliable

- ☒ High quality products with tier III engine and German Bosch high pressure common rail oil injection system. The first economic mode in the industry saves energy consumption by 10%.

Master of snow moving: floating snow moving and rapid road sweeping

- ☒ The first snow moving function by floating moldboard in China is more professional and efficient. Rear mounted roller brush is able to move snow and sweep the road efficiently.

Designed for heavy duty work, abrasion-resistant and adjustable

- ☒ Customized Meichi heavy duty rear axle, SKF bearings and strengthened chain are designed for challenging and heavy duty job conditions. Main blade and side blade are thickened and U-shape rail is applied to prolong service life.

Quality Changes the World.

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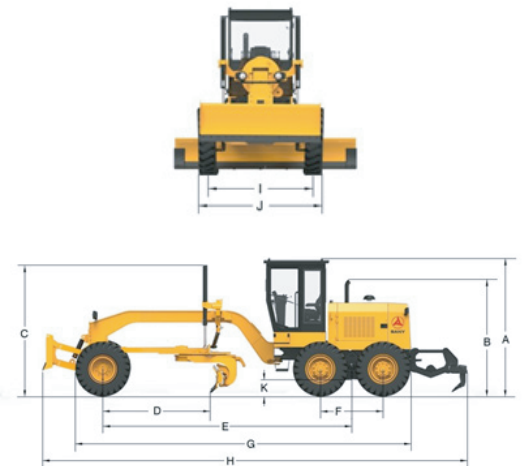
SAG160-5 Motor Grader technical parameters

Product model		SAG160-5	
Basic Parameter	Engine Brand	Dongfeng Cummins	
	Emission Standard	Tier III	
	Engine Model	QSB4.5-C160	
	Rated Power (kW) / Speed (rpm)	118/2200	
	Max. Torque (N.m) / Speed (rpm)	624/1500	
	Dimensions (Standard) (mm)	8750×2540×3280	
	Operating Weight (Standard) (kg)	15200	
Performance Parameter	Forward Speed (km/h)	5/9/11/18/26/41	
	Reverse Speed (km/h)	5/11/26	
	Minimum Turning Radius (m)	6.9	
	Max. Pressure of Working Device Hydraulic System (Mpa)	18	
	Pressure of Transmission (Mpa)		
Working Device Parameter	Max. Front Wheel Turning Angle(°)	±50	
	Max. Front Wheel Tilt Angle(°)	±17	
	Max. Oscillation Angle of Front Axle (°)	±15	
	Max. Oscillation Angle of Tandem box(°)	±15	
	Ground Clearance at Rear Axle (mm)		
	Blade Range	Moldboard Width×Arc Radius(mm)	3660×610
		Max. Lift above Ground (mm)	480
		Max. Depth of Cut (mm)	715
		Max. Tilt Angle (°)	±90
		Cutting Angle Range (°)	27-72
		Slewing Angle (°)	360
	Ripper	Max. Scarifying Depth (mm)	455
		Max. Lift above Ground(mm)	535
		Max. Departure Angle (°)	20
		Max. Working Width (mm)	2300
	Dozer Blade	Max. Depth of Cut (mm)	180
Max. Lift above Ground (mm)		566	
Max. Penetrating Angle (°)		65	
Max. Working Width (mm)		2440	

Due to technical and product updates, data on specifications might change without prior notice. Please enquire with Sany Road Machinery for the latest product information.

SAG160-5 Motor grader dimensions

Size Code	Name	SAG160-5
A	Height to Top of Cab (mm)	3280
B	Height to Exhaust Pipe (mm)	2800
C	Height to Top of Cylinders (mm)	3150
D	Length - Front Axle to Moldboard (mm)	2640
E	Length - Front Axle to Mid Tandem (mm)	6125
F	Length - Between Tandem Axles (mm)	1538
G	Length - Front Tire to Rear of Machine (mm)	8750
H	Overall Length - Front Dozer Blade to Ripper(mm)	10430
I	Width - Tire Center Lines (mm)	2108
J	Width - Outside Front Tires (mm)	2540
K	Ground Clearance at Rear Axle (mm)	400



SAG160-5 Motor grader optional configurations

Model	Parts	Standard	Optional
SAG160-5	Moldboard	12 ft	/
	Dozer Blade	/	Front dozer blade (4 connecting rods)
	Rear Ripper	/	5 teeth
	Front Ripper	/	11 teeth
	Roller brush	/	Snow-moving & sweeping roller brush (Rear mounted)
	Moldboard floating	/	Floating system
	Auto leveling system	/	MOBA motor grader ultra-sound auto-leveling system