

# SHG190 Motor Grader



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Materials and specifications are subject to change without further notice in accordance with constant technical innovations.  
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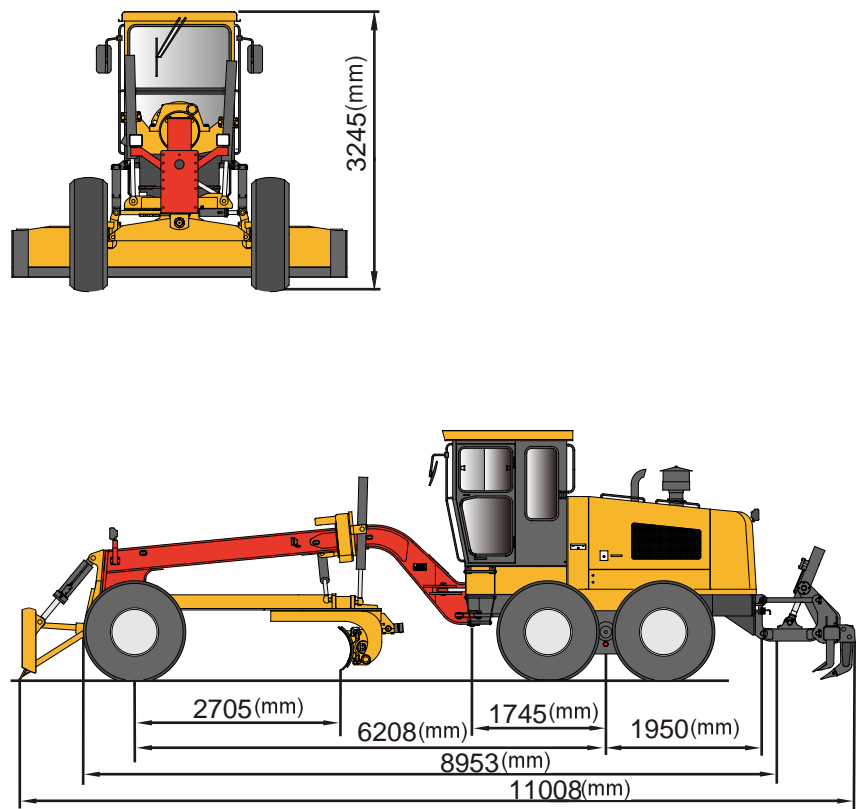
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Features

- Full hydraulic drive technology allows variable travel speed and automatic gear shifting;
- Load sensing technology provides automatic traction adjustment;
- Lock up of left and right wheels in the poor working conditions insures positive traction;
- Comfortable Operator’ s station;
- Second generation Deutz engine increases productivity;
- Air cleaner and intake air pressure warning system insures proper maintenance and increases the service life of the engine;
- Matched fan and radiator enable the machine to operate in 50℃ ambient environments;
- Circle is a standard attachment with high precision and reliability, long service life, low repair cost as well as easy maintenance;
- Blade angle is changed by single cylinder;
- Rectangular tracks are applied to blades in order to eliminate the stuck of track during construction;
- SYMC, with 5.6 inch HD screen, is developed by SANY;
- Fault memory, troubleshooting and daily maintenance are integrated;
- Dual circuits of braking system;
- Operator’ s Cab provides safety and meets CE standards;
- Electrical system has automatic compensation function;
- Low emission engine;
- Maintenance for the whole machine is convenient.

Dimension



Specifications

Overall dimensions	Standard	Length	9073 mm	Equipped with front push plate and rear ripper	Length	11008 mm	
		Width	2648 mm		Width	2740 mm	
		Height	3245 mm		Height	3245 mm	
	Length-between front and rear axles		6208 mm	Steering angle, front wheel		±45°	
	Length-between mid and rear wheels		1522 mm	Lean angle, front wheel		±17°	
	Width-between wheels		2196 mm	Steering angle, frame articulation		±25°	
	Min ground clearance		420 mm	Oscillation angle, front axle	±15°	Oscillation angle, tandems	±15°
Weight	Standard (kg)	Whole machine	15320kg	Equipped with front push plat and rear ripper (kg)	Whole machine	16900kg	
		Front axle	4650kg		Front axle	4500kg	
		Rear axle	10680kg		Rear axle	12400kg	
Min turning radius		7.9m					
Wheel	Tire		17.5-25-12PRGB2980		Rim	14/1.5-25 (TB)	
	Tire pressure		2 front wheels:0.2MPa		4 rear wheels:0.25MPa		
Performance parameters	Blade width		Standard:3965mm			Optional:3660mm	
	Blade lean angle		90°	Blade steering angle		360°	
	Maximum traction		82 KN	Length-blade to front wheel		2705mm	
Travelling speed (km/h)	Forward			Reverse			
	D (automatic)		0~30km/h	R (manual)		0~30 km/h	
	Automatic gear	Gear I	7.0km/h	Manual gear	Gear I	7.0km/h	
		Gear II	9.0km/h		Gear II	9.0km/h	
		Gear III	11km/h		Gear III	11km/h	
		Gear IV	14km/h		Gear IV	14km/h	
Diesel engine	Model type		BF6M1013EC				
	Description		6 cylinders, water cooling, 4 strokes direct injection, supercharge turbine				
	Rated power		148kW/200hp	Rated rotating speed		2300 rpm	
	Max output torque		727Nm	Speed of max torque		1400 rpm	
	Ignition		24V.DC electrical starting				

Configuration

Standard	Optional equipments	Optional spare parts
Deutz engine + Rexroth+Rexroth motor +SYMC controller +Tumble working device (no air conditioner and push plate & ripper) +3660mm blade+12PR tires with wave pattern + Rim + Counterweight	<ul style="list-style-type: none"><li>● Tray type working device</li><li>● 12PR tires with herringbone tread + Rim</li><li>● 16PR tires with wave pattern + Rim</li><li>● Tires with no inner tube+ Rim</li><li>● 3965mm blade</li></ul>	<ul style="list-style-type: none"><li>● Front push plate</li><li>● Rear ripper</li><li>● Self-leveling system</li><li>● Air conditioner</li><li>● Low temperate ignition device</li><li>● Fender,front wheel</li><li>● Fender, rear wheel</li><li>● Warning light</li><li>● Film, cab window</li></ul>