

SG16-3

These machines can level just about any obstacles in the road ahead

- ▶ Engine model: Cummins 6BTAA5.9-C160
- ▶ Rated power: 118 kW/2200 rpm
- ▶ Operating weight: 15.4 t

Product features

Shantui's Motor Grader Series has been internally developed, based on the most advanced foreign technologies. The working devices employ external gears with high torque transference and a linked swing frame for easy operation. With a large cutting angle on the cutting edges and a strong resistance to external shocks, the working devices are capable of handling high workloads and can operate under the harshest of working conditions.



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SHANTUI

VALUE THAT WORKS

Shantui Construction Machinery Co., Ltd.

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Jining City, Shandong, CHINA






TEL: +86-537-2909369
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SG16-3

Technical specifications:

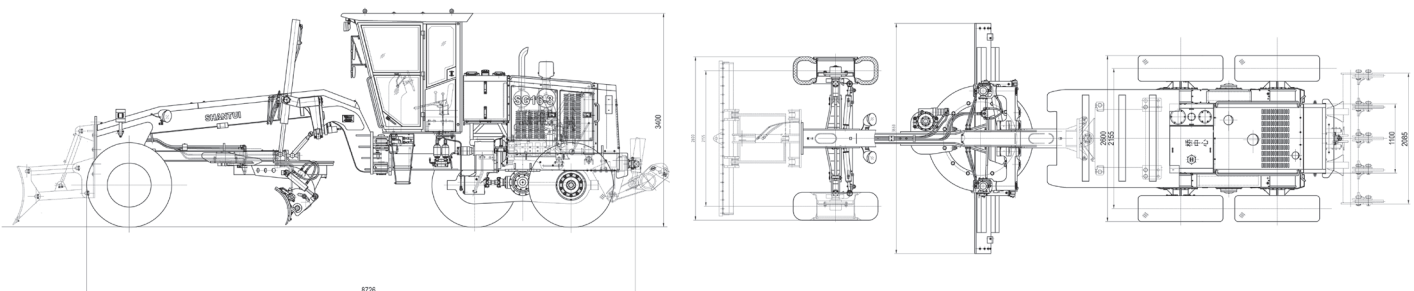
Operating weight: 15.4 t	Gradeability: 20°
Blade length: 3660/3965 mm	Wheel base: 6260 mm
Minimum ground clearance: 430 mm	Maximum traction: 86 kN

SG16-3

	ENGINE	Engine model	Cummins 6BTA5.9-C160					
		Engine type	In-line, water-cooled, 4-cycle, direct injection, turbocharged					
		Rated power/speed	118 kW/2200 rpm					
		Number of cylinders (bore x stroke)	6 (102 x 120 mm)					
		Piston displacement	5.9 L					
		Maximum torque/speed	670 N-m/1500 rpm					
		Minimum fuel consumption	205 g/kW-h					
	TRAVEL SPEED	Transmission and torque converter: Electronic controlled transmission with 6 forward gears and 3 reverse gears.						
		Gear	1st	2nd	3rd	4th	5th	6th
		Forward	0~5.4 km/h	0~8.4 km/h	0~13.4 km/h	0~20.3 km/h	0~29.8 km/h	0~39.6 km/h
		Reverse	0~5.4 km/h	0~13.4 km/h	0~29.8 km/h	-	-	-
	SYSTEMS	Balance box	Type	No-spin limited slip differential, heavy-duty roller chain drive				
			Oscillation angle	15° forward, 15° reverse				
		Tire	Type	17.5-25PR14				
			Pattern level	L-2A/L-3				
			Optional tire	17.5-25PR14				
		Steering system	Minimum turning radius	7800 mm				
			Front wheel tilting angle	±17°				
			Front wheel steering angle	±45°				
			Front axle oscillating angle	±15°				
		Brake system	Articulation angle	25°				
			Service brake	4-wheel pliers-pan brake, full hydraulic, foot brake				
			Parking brake	Hand brake with ratchet wheel				
		Operating weight	Brake pressure	10 MPa				
Total	15400 kg							
Front axle load	4600 kg							
	Rear axle load	10800 kg						
	BLADE	Blade length	3660/3965 mm					
		Blade height	635 mm					
		Blade rotational angle	360°					
		Cutting angle adjustment range	44~91°					
		Maximum cutting depth	500 mm					
		Cutting force per dozing	23.5 kN/m					
		Maximum lift above ground	440 mm					
		Maximum blade lateral extension (left/right)	1900/1950 mm					
	HYDRAULIC SYSTEM	Working pump	Tandem pump					
		Displacement of working pump	28*2ml/r					
		Working hydraulic pressure	16 MPa					

OVERALL DIMENSIONS

▶ THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. THE PICTURES MAY INCLUDE OPTIONS. THE ACTUAL COLOR & APPEARANCE OF THE PRODUCT MAY DIFFER FROM WHAT IS SHOW



SG16-3

National III emission standard.

- ▶ Engine model: Cummins QSB5.9-C160-30
- ▶ Rated power: 120 kW/2200 rpm
- ▶ Operating weight: 15.4 t

Product features

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Technical specifications:

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Blade length: 3660/3965 mm	Wheel base: 2155 mm
Minimum ground clearance: 430 mm	Maximum traction: 86 kN

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	ENGINE	Engine model	Cummins QSB5.9-C160-30					
		Engine type	In-line, water-cooled, 4-cycle, direct injection, turbocharged					
		Rated power/speed	120 kW/2200 rpm					
		Number of cylinders (bore x stroke)	6 (102 x 120 mm)					
		Piston displacement	5.9 L					
		Maximum torque/speed	720 N-m/1400 rpm					
		Minimum fuel consumption	201 g/kW-h					
	TRAVEL SPEED	Transmission and torque converter: Electronic controlled transmission with 6 forward gears and 3 reverse gears.						
		Gear	1st	2nd	3rd	4th	5th	6th
		Forward	0~5.3 km/h	0~8.2 km/h	0~13.2 km/h	0~20.0 km/h	0~29.7 km/h	0~39.6 km/h
		Reverse	0~5.3 km/h	0~13.2 km/h	0~29.7 km/h	-	-	-
	SYSTEMS	Balance box	Type	No-spin limited slip differential, heavy-duty roller chain drive				
			Oscillation angle	15° forward, 15° reverse				
		Tire	Type	17.5-25PR14 drive type tire				
			Pattern level	L-2A/L-3				
			Optional tire	17.5-25PR14 block tread common tire				
		Steering system	Minimum turning radius	7800 mm				
			Front wheel tilting angle	±17°				
			Front wheel steering angle	±45°				
			Front axle oscillating angle	±15°				
		Brake system	Articulation angle	25°				
			Service brake	4-wheel pliers-pan brake, full hydraulic, foot brake				
			Parking brake	Hand brake with ratchet wheel				
		Operating weight	Brake pressure	10 MPa				
Total	15400 kg							
Front axle load	4600 kg							
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		Maximum lift above ground	440 mm					
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		Displacement of working pump	28*2ml/r					
		Working hydraulic pressure	16 MPa					

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