Motor Grader Series

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.





SHANTUI
VALUE THAT WORKS

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SG16-3

Technical specifications:

Operating weight: 15.4 t	Gradeability: 20°
Blade length: 3660 mm	Wheel base: 2155 mm
Minimum ground clearance: 430 mm	Maximum traction: 86 kN

ENGINE	Engine model	Cummins 6BTAA5.9-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 drive type tire
		Pattern level	L-2A
		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°
		Articulation angle	25°
	Brake system	Service brake	4-wheel pliers-pan brake, full hydraulic, foot brake
		Parking brake	Hand brake with ratchet wheel
		Brake pressure	10 MPa
	Operating weight	Total	15400 kg
		Front axle load	4600 kg
		Rear axle load	10800 kg

BLADE	Blade length	3660 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 x 2 ml
	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 SHOWN.

