

SG21-3

On the level, our SG21-3 is one of the toughest motor graders in the market today

- ▶ Engine model: Cummins 6CTAA8.3-C215
- ▶ Rated power: 160 kW/2200 rpm
- ▶ Operating weight: 17.0 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
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Industries

SG21-3

Technical specifications:

Operating weight: 17.0 t

Blade length: 3660/3965/4270 mm


Minimum ground clearance: 430 mm


Gradeability: 20°


Wheel base: 2155 mm


Maximum traction: 96 kN


SG21-3

	ENGINE	Engine model	Cummins 6CTAA8.3-C215				
		Engine type	In-line, water-cooled, 4-cycle, direct injection, turbocharged				
		Rated power/speed	160 kW/2200 rpm				
		Number of cylinders (bore x stroke)	6 (114 x 135 mm)				
		Piston displacement	8.3 L				
		Maximum torque/speed	980 N-m/1500 rpm				
		Minimum fuel consumption	202 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	0~9.4 km/h	0~12.2 km/h	0~20.5 km/h	0~25.4 km/h	0~39.7 km/h
		Reverse	0~5.4 km/h	0~12.2 km/h	0~25.4 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	8200 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	17000 kg			
			Front axle load	5000 kg			
			Rear axle load	12000 kg			

	BLADE	Blade length	3660/3965/4270 mm				
		Blade height	635 mm				
		Blade rotational angle	360°				
		Cutting angle adjustment range	44~91°				
		Maximum cutting depth	500 mm				
		Cutting force per dozing	26.23/24.23/22.48 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.

