

## SG21A-3

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

### Product features

SG21A-3 full-drive motor grader is one kind of multi-function high efficiency construction machinery. It can be used for leveling, ditching, scraping, bulldozing, ripping, land clearing and snow removing on large area ground such as highway, airport, mine and farmland etc. It is necessary construction machinery for defense construction, mine building, urban and rural road construction, water conservancy construction and farmland improvement etc.

The hydraulic drive system on front wheel can be interlocked with rear wheel gears. The complete machine can realize 6-wheel, 4-wheel and 2-wheel drive.



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# SHANTUI

VALUE THAT WORKS

Shantui Construction Machinery Co., Ltd.

ADDRESS:  
No. 58, G327 Highway  
Jining City, Shandong, CHINA

TEL: +86-537-2909369  
FAX: +86-537-2311219  
EMAIL: trade@shantui.com

# SG21A-3

## Technical specifications:

Operating weight: 17.0 t

Gradeability: 20°






Blade length: 3660/3965/4270 mm

Wheel base: 6560 mm

Minimum ground clearance: 430 mm

Maximum traction: 122 kN

SG21A-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	0~39.7km/h
	Reverse	0~5.4 km/h	0~12.2 km/h	0~25.4 km/h	-	-	-	
Front axle speed	Forward I gear (Km/h)	0-8.9						
	Forward II gear (Km/h)	0-18.2						
	SYSTEMS	Balance box	Type	No-spin limited slip differential, heavy-duty roller chain drive				
			Oscillation angle	15° forward, 15° reverse				
		Steering system	Minimum turning radius	8200 mm				
			Articulation angle	±25°				
		Brake system	Brake pressure	10 MPa				
		Operating weight	Total	17000 kg				
			Front axle load	5100 kg				
Rear axle load	11900 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		25.96/23.96/22.25 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

OVERALL DIMENSION: L×W×H (MM)	9260×2600×3400
DISTANCE BETWEEN FRONT AXLE AND REAR AXLE (MM)	6560
WHEEL BASE BETWEEN MIDDLE WHEEL AND REAR WHEEL (MM)	1538

▶ 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.