

# SHANTUI

## SG21-B6

Motor Grader



Engine Model: Cummins 6CTAA8.3-C215  
Gross Power: 160kW @ 2200rpm  
Operating Weight: 16,800kg

We Level Subgrade Fast and Flat  
easy operation and maintenance

# SG21-B6 SPECIFICATIONS

## ENGINE

Model	Cummins 6CTAA8.3-C215
Number of cylinders	6
Type	4-cycle, direct injection, water-cooled
Bore x stroke	114*135mm
Displacement	8.3L
Gross power	160kW @ 2200rpm
Max. traction	88kN
Max. torque	980N.m @ 1500rpm
Rated fuel consumption	223g/kW.h
Emission	China-II

## POWER TRAIN

Transmission	Fixed-axis type, electro-hydraulic control
Torque converter	Single-stage, single-phase, three basic elements
Rear axle	Modular, planetary reduction, "no-Spin" anti-skid differential
Tandem drive	Roller chain. Oscillating angle: $\pm 15^\circ$
Tire	17.5-25PR12
Front axle	Oscillating angle: $\pm 16^\circ$ Tilting angle: $\pm 18^\circ$

## STEERING

Type	Hydraulic power
Front wheel steering angle	$\pm 50^\circ$
Articulation angle	$\pm 23^\circ$
Min. turning radius	7500mm

## BRAKES

Service brake	Drum type, foot operated, single circuit, hydraulically actuated on four tandem wheels
Parking brake	Drum type, manually actuated

## MOLDBOARD

Rotation	360°
Moldboard width	3965/4270mm
Moldboard height	620mm
Moldboard thickness	20mm
Moldboard tip angle	22~73°
Max. cutting depth	970mm
Max. lifting height	480mm
Max. shoulder reach (left/right)	1900/1950mm
Max. tilting angle (left/right)	$\pm 90^\circ$

## SPEED

Forward, 1-6	5.5\9.1\12.2\20.7\26.5\39.2km/h
Reverse, 1-3	5.3\12.4\26.1km/h

## HYDRAULICS

Tandem pump	Gear pump 32ml/r \ Piston pump 75ml/r
Relief pressure for working equipment	18MPa / 24MPa
Relief pressure for steering	16.5MPa
Relief pressure for brakes	10MPa

## CAPACITIES

Fuel tank	360L
Hydraulic oil tank	85L
Engine crank case	19L
Engine coolant	33L

## ELECTRICAL SYSTEM

Battery	2x12V, 105Ah
Alternator	28V, 70A
Starter motor	24V, 6kW

## OPERATING WEIGHT

Standard	16800kg
With front blade	17860kg
With rear ripper	18350kg
With front blade & rear ripper	19000kg

## RIPPER (OPTIONAL)

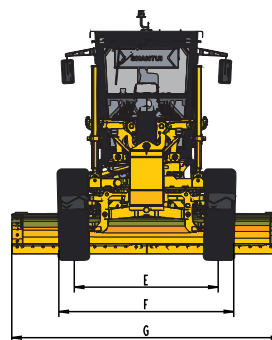
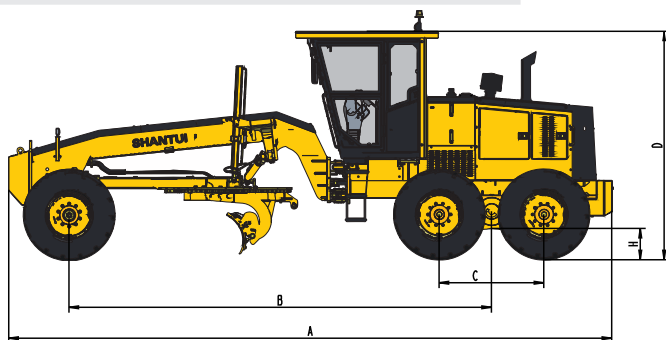
Ripping depth	425mm
Shank supports	5
Shank support spacing	520mm
Working width	2080mm

## FRONT BLADE (OPTIONAL)

Width x height	2740x890mm
Thickness	12mm
Max. lifting height	660mm
Max. digging depth	425mm

## DIMENSIONS

A Overall length: Standard	9270mm
A Overall length: With rear ripper	10620mm
A Overall length: With front blade	10380mm
A Overall length: With front blade & rear ripper	11140mm
B Length: Front axle to mid tandem	6560mm
C Length: Between tandem axles	1540mm
D Height: Cab	3400mm
E Tread	2155mm
F Width: Outside tires	2600mm
G Moldboard width	3965/4270mm
H Minimum ground clearance	400mm



\* 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.



Shantui Social

**SHANTUI CONSTRUCTION MACHINERY CO., LTD.**

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

TEL: +86-537-2909369

FAX: +86-537-2311219

EMAIL: trade@shantui.com

WEB: www.shantui.com

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