

SHANTUI



TOGUNA Motors

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	92.2kN
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

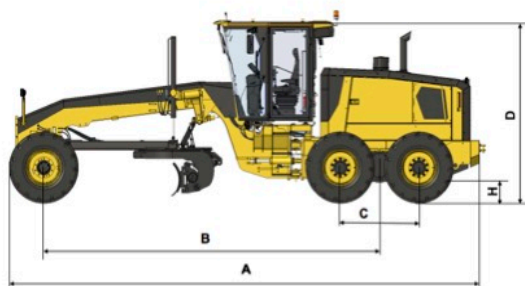
Service brake	Drum type, foot operated, single circuit, hydraulically actuated on four tandem wheels
Parking brake	Drum type, manually actuated

MOLDBOARD

Rotation	360°
Moldboard width	3660/3965/4270mm
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)

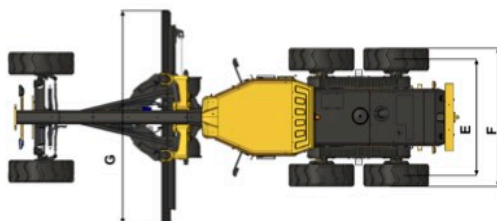
Ripping depth	425mm
Shank supports	5
Shank support spacing	520mm
Working width	2080mm

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	1550mm
D Height: Cab	3400mm
E Tread	2155mm
F Width: Outside tires	2600mm
G Moldboard width	3660/3965/4270mm
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.

SHOW ROOM TOGUNA MOTORS

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SHANTUI
LET'S MAKE CONSTRUCTION EASIER