

SHANTUI

SG16-3

Motor Grader



Engine Model: Cummins 6BTAA5.9-C160
Gross Power: 118kW @ 2200rpm
Operating Weight: 15,100kg

We Level Subgrade Fast and Flat
easy operation and maintenance

SG16-3 SPECIFICATIONS

ENGINE

Model	Cummins 6BTA5.9-C160
Number of cylinders	6
Type	4-cycle, direct injection, water-cooled
Bore x stroke	102*120mm
Displacement	5.9L
Rated power	118kW @ 2200rpm
Max. traction	86kN
Max. torque	670N.m @ 1500rpm
Rated fuel consumption	226g/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: $\pm 15^\circ$ Tilting angle: $\pm 17^\circ$

STEERING

Front wheel steering angle	$\pm 45^\circ$
Articulation angle	$\pm 25^\circ$
Min. turning radius	7800mm

BRAKES

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

MOLDBOARD

Rotation	360°
Moldboard width	3660mm
Moldboard height	635mm
Moldboard thickness	20mm
Moldboard tip angle	27~73°
Max. cutting depth	500mm
Max. lifting height	440mm
Max. shoulder reach (left/right)	1900/1950mm
Max. tilting angle (left/right)	$\pm 90^\circ$

SPEED

Forward, 1-6	5.4/8.4/13.4/20.3/29.8/39.6km/h
Reverse, 1-3	5.4/13.4/29.8km/h

HYDRAULICS

Tandem pump	Gear pump, 28ml/r
Relief pressure for working equipment	16MPa

CAPACITIES

Fuel tank	340L
Hydraulic oil tank	110L
Engine crank case	16L
Engine coolant	30L

ELECTRICAL SYSTEM

Battery	2x12V, 105Ah
Alternator	28V, 45A
Starter motor	24V, 6kW

OPERATING WEIGHT

Standard	15100kg
With rear ripper	15500kg
With front blade & rear ripper	16500kg

RIPPER (OPTIONAL)

Ripping depth	320mm
Shank supports	5
Shank support spacing	500mm
Working width	2085mm

MIDDLE SCARIFIER (OPTIONAL)

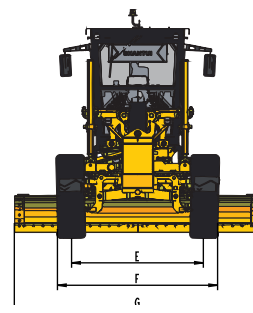
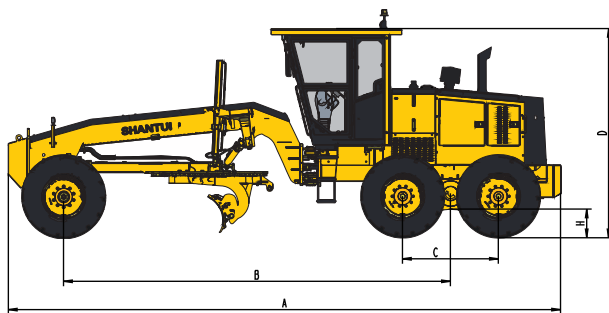
Scarifying depth	240mm
Shank holders	11
Working width	1230mm

FRONT BLADE (OPTIONAL)

Width x Height	2740x930mm
Thickness	10mm
Max. lifting height	500mm
Max. digging depth	210mm

DIMENSIONS

A Overall length: Standard	8725mm
A Overall length: With rear ripper	9330mm
A Overall length: With front blade & rear ripper	10320mm
B Length: Front axle to mid tandem	6260mm
C Length: Between tandem axles	1550mm
D Height: Cab	3400mm
E Tread	2155mm
F Width: Outside tires	2600mm
G Moldboard width	3660mm
H Minimum ground clearance	430mm



* 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

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