

# SHANTUI

## SG17-B6

Motor Grader



Engine Model: Cummins 6CTAA5.9-C180  
Gross Power: 132kW @ 2200rpm  
Operating Weight: 14,800kg

We Level Subgrade Fast and Flat  
easy operation and maintenance



# SG17-B6 SPECIFICATIONS

## ENGINE

|                        |   |
|------------------------|---|
| Model                  | Cummins 6CTAA5.9-C180                   |
| Number of cylinders    | 6                                       |
| Type                   | 4-cycle, direct injection, water-cooled |
| Aspiration             | Turbocharged, air-air intercooled       |
| Bore x stroke          | 108*136mm                               |
| Displacement           | 5.9L                                    |
| Gross power            | 132kW @ 2200rpm                         |
| Max. traction          | 78kN                                    |
| Max. torque            | 770N.m/1500rpm                          |
| Rated fuel consumption | 225g/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: $\pm 15^\circ$<br>Tilting angle: $\pm 17^\circ$ |

## STEERING

|                            |                 |
|----------------------------|-----------------|
| Type                       | Hydraulic power |
| Front wheel steering angle | $\pm 45^\circ$  |
| Articulation angle         | $\pm 25^\circ$  |
| Min. turning radius        | 7500mm          |

## BRAKES

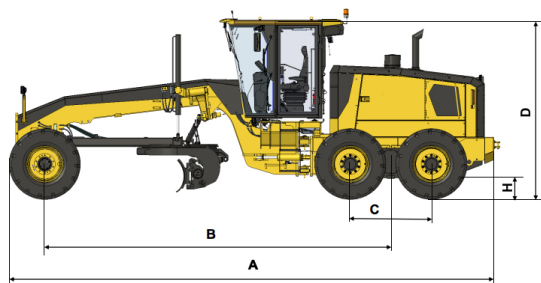
|               |  |
|---------------|--|
| Service brake | Disc type, foot operated, single circuit, hydraulically actuated on four tandem wheels |
| Parking brake | Drum type, manually actuated   |

## MOLDBOARD

|                                   |                |
|-----------------------------------|----------------|
| Rotation                          | 360°           |
| Moldboard width                   | 3660mm         |
| Moldboard height                  | 620mm          |
| Moldboard thickness               | 20mm           |
| Moldboard tip angle               | 22~73°         |
| Max. cutting depth                | 750mm          |
| Max. lifting height               | 450mm          |
| Moldboard side shift (left/right) | 650/650mm      |
| Max. shoulder reach (left/right)  | 1665/1950mm    |
| 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 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                       | 14800kg |
| With rear ripper               | 15400kg |
| With front blade               | 15460kg |
| With front blade & rear ripper | 16070kg |

## RIPPER (OPTIONAL)

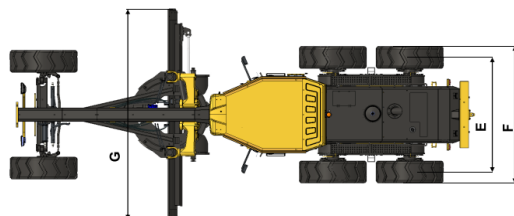
|                       |        |
|-----------------------|--------|
| Ripping depth         | 378mm  |
| Shank supports        | 5      |
| Shank support spacing | 520mm  |
| Working width         | 2080mm |

## FRONT BLADE (OPTIONAL)

|                     |                        |
|---------------------|------------------------|
| WIDTH X HEIGHT      | 2740x890mm, 2520x925mm |
| Thickness           | 12mm                   |
| Max. lifting height | 660mm                  |
| Max. digging depth  | 425mm                  |

## DIMENSIONS

|  |         |
|--|---------|
| A Overall length: Standard                       | 9313mm  |
| A Overall length: With rear ripper               | 10193mm |
| A Overall length: With front blade               | 9819mm  |
| A Overall length: With front blade & rear ripper | 10699mm |
| B Length: Front axle to mid tandem               | 6342mm  |
| C Length: Between tandem axles                   | 1540mm  |
| D Height: Cab                                    | 3400mm  |
| E Tread  | 2155mm  |
| F Width: Outside tires                           | 2600mm  |
| G Moldboard width                                | 3660mm  |
| 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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