

# SHANTUI

## SR14-B6

Road Roller



Engine Model: Weichai WP6G175E22  
Gross Power: 129kW  
Operating Weight: 14,000kg

Focus on soil compaction  
road construction expert

# SR14-B6 SPECIFICATIONS

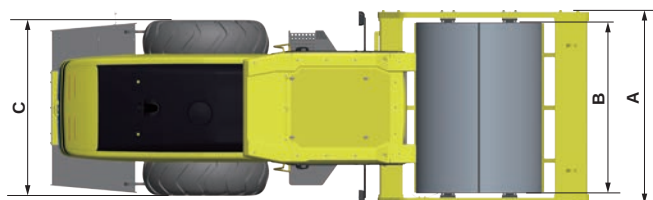
| ENGINE                 | SMOOTH DRUM                                   | PADFOOT DRUM |
|------------------------|-----------------------------------------------|--------------|
| Model                  | Weichai WP6G175E22                            |              |
| Number of Cylinders    | 6                                             |              |
| Type                   | Inline, four stroke, turbocharged, air-cooled |              |
| Aspiration             | Turbocharged                                  |              |
| Bore x Stroke          | 105*130mm                                     |              |
| Displacement           | 6.75L                                         |              |
| Gross Power            | 129kW                                         |              |
| Max. Torque            | 700N.m @ 1300~1500rpm                         |              |
| Rated Fuel Consumption | 221g/kW.h                                     |              |
| Emission               | China-II                                      |              |

| POWER TRAIN               | SMOOTH DRUM                                      | PADFOOT DRUM |
|---------------------------|--------------------------------------------------|--------------|
| Type                      | Hydrostatic, All-wheel Drive                     |              |
| Driving Pump              | Mechanical Control, Variable Piston Pump, 75ml/r |              |
| Axle Drive                | Variable Piston Motor, 105ml/r                   |              |
| Drum Drive                | Constant Piston Motor, 55ml/r                    |              |
| Hydraulic Relief Pressure | 42MPa                                            |              |
| Tire                      | 23.1-26-12PR/20.5-25-16PR                        |              |
| Max. Grade Ability        | 45%                                              |              |
| Forward, I, II            | 0-5.5km/h, 0-9.5km/h                             |              |
| Reverse, I, II            | 0-5.5km/h, 0-9.5km/h                             |              |

| STEERING                  | SMOOTH DRUM                           | PADFOOT DRUM |
|---------------------------|---------------------------------------|--------------|
| Type                      | Hydraulic Power, Articulated Steering |              |
| Hydraulic Relief Pressure | 16MPa                                 |              |
| Steering Angle            | ±35°                                  |              |
| Oscillating Angle         | ±12°                                  |              |
| Min. Turning Radius       | 6500mm                                |              |

| BRAKES          | SMOOTH DRUM                                | PADFOOT DRUM |
|-----------------|--------------------------------------------|--------------|
| Service Brake   | Hydraulic Inertia Brake                    |              |
| Parking Brake   | Multi-disc Brake, Hydraulic Control        |              |
| Emergency Brake | Hydraulic Inertia Brake & Multi-disc Brake |              |

| DRUM                 | SMOOTH DRUM | PADFOOT DRUM |
|----------------------|-------------|--------------|
| Width                | 2130mm      | -            |
| Diameter             | 1550mm      | 1752mm       |
| Drum Shell Thickness | 30mm        | -            |
| Number of Pad Feet   | -           | 150          |
| Height of Pad Feet   | -           | 95mm         |



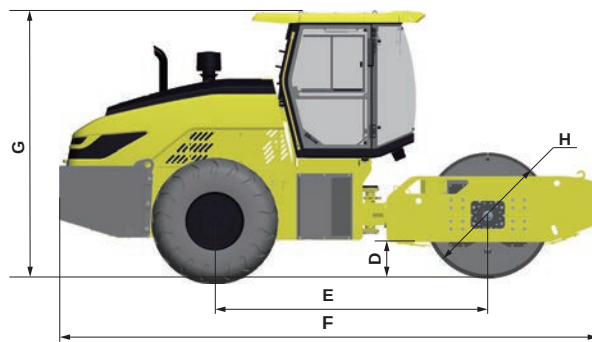
| VIBRATION                  | SMOOTH DRUM                   | PADFOOT DRUM |
|----------------------------|-------------------------------|--------------|
| Type                       | Hydrostatic, Electric Control |              |
| Vibration Pump             | Variable Piston Pump, 55ml/r  |              |
| Vibration Motor            | Constant Piston Motor, 55ml/r |              |
| Hydraulic Relief Pressure  | 35MPa                         |              |
| Frequency, Low             | 36hz                          |              |
| Frequency, High            | 30hz                          |              |
| Amplitude, High            | 2.0mm                         | 1.6mm        |
| Amplitude, Low             | 1.0mm                         | 0.8mm        |
| Centrifugal Force, Maximum | 310kN                         |              |
| Centrifugal Force, Minimum | 200kN                         |              |

| CAPACITIES         | SMOOTH DRUM | PADFOOT DRUM |
|--------------------|-------------|--------------|
| Fuel Tank          | 330L        | 330L         |
| Hydraulic Oil Tank | 100L        | 100L         |
| Engine Coolant     | 22L         | 22L          |
| Engine Crank Case  | 12L         | 12L          |

| ELECTRICAL SYSTEM | SMOOTH DRUM  | PADFOOT DRUM |
|-------------------|--------------|--------------|
| Battery           | 2x12V, 105Ah | 2x12V, 105Ah |
| Alternator        | 28V, 80A     | 28V, 80A     |
| Starter Motor     | 24V, 6kW     | 24V, 6kW     |

| WEIGHT                       | SMOOTH DRUM | PADFOOT DRUM |
|------------------------------|-------------|--------------|
| Operating Weight             | 14000kg     | 15200kg      |
| Axle Load, Drum              | 8400kg      | 9600kg       |
| Axle Load, Wheel             | 5600kg      | -            |
| Static Linear Load (at Drum) | 386N/cm     | 441N/cm      |

| DIMENSIONS | SMOOTH DRUM | PADFOOT DRUM |
|------------|-------------|--------------|
| A          | 6780mm      | 6780mm       |
| B          | 2305mm      | 2305mm       |
| C          | 3310mm      | 3310mm       |
| D          | 3420mm      | 3420mm       |
| E          | 1550mm      | 1550mm       |
| F          | 3130mm      | 3130mm       |
| G          | 387mm       | 387mm        |



\* 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.

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