



# SSR180C-8 SINGLE DRUM ROLLER



## Extended life time

- ◆ The use of water wheel type lubrication on the vibratory bearing extends the bearing life up to 5,000 hours.
- ◆ Double filtration of engine high intake air, the hydraulic system contains three stage filtration.

## High efficiency

- ◆ 10% greater excitation force than other products in the same category resulting in 16.7% greater production.

## Operator comfort

- ◆ Cab mounted on vibration damping mounts
- ◆ Cab temperature control
- ◆ Operator control forces have been reduced

## Safety features

- ◆ Rounded bumpers front and rear
- ◆ Large rear glass and sloped hood for greater visibility

## Technical specifications

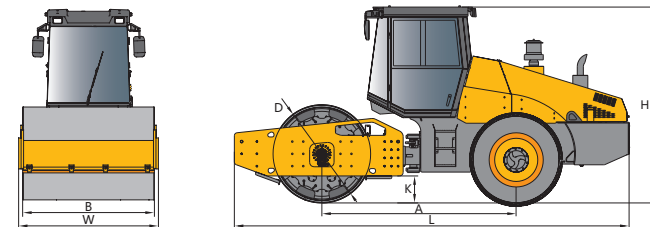
| Model           |                                             | SSR180C-8        |
|-----------------|---------------------------------------------|------------------|
| Load            | Operating mass (kg)                         | 18000            |
|                 | Mass allocated to vibrating drum (kg)       | 12400            |
|                 | Mass allocated to driving axle (kg)         | 5600             |
|                 | Static linear load of vibrating drum (N/cm) | 582              |
| Compaction      | Vibration frequency (Hz)                    | 29/35            |
|                 | Nominal amplitude (mm)                      | 2.0/1.0          |
|                 | Centrifugal force (kN)                      | 380/275          |
|                 | Diameter of vibrating drum (mm)             | 1600             |
|                 | Width of vibrating drum (mm)                | 2130             |
|                 | Vibrating drum rim thickness (mm)           | 40               |
| Maneuverability | Travel speed (km/h)                         | 0~4              |
|                 |                                             | 0~5.5            |
|                 |                                             | 0~6              |
|                 |                                             | 0~8              |
|                 | Theoretical gradeability                    | 45%              |
|                 | Min. ground clearance (mm)                  | 410              |
|                 | Wheelbase (mm)                              | 3182             |
|                 | Steering angle (° )                         | ± 35             |
|                 | Swing angle (° )                            | ± 12             |
|                 | Min. turning outer diameter (mm)            | 12350            |
|                 | Tire specification                          | 23.1-26-12PR     |
| Engine          | Brand                                       | DONGFENG CUMMINS |
|                 | Model                                       | QSB5.9-C180-33   |
|                 | Emission                                    | China III        |
|                 | Rated power (kW)                            | 133              |
| Capacities      | Battery (V × Ah)                            | 24 × 120         |
|                 | Fuel tank (L)                               | 300              |
|                 | Hydraulic oil tank (L)                      | 150              |

## Standard configurations

| Config.         | Systems                                | Description                            | Qty | Details                                                                                                                                                                              |                                                                                                                                                                                     | Remarks                             |
|-----------------|----------------------------------------|----------------------------------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Standard confi. | Main machine                           | SSR180C-8 single drum roller, standard | 1   | 1. Engine<br>2. Travel pump<br>3. Vibration pump<br>4. Travel motor<br>5. Vibration motor<br>6. Reduction gears<br>7. Operating platform<br>8. Vibratory drum (Smooth)               | 9. Electrical system<br>10. Operating system<br>11. Front frame<br>12. Rear frame<br>13. Covering part<br>14. Rear axle assembly<br>15. Center articulated frame<br>16. Cab+Air Con |                                     |
|                 | Shed                                   | Shed                                   | 1   | Low cost                                                                                                                                                                             |                                                                                                                                                                                     | Optional                            |
| Optional confi. | Vibratory drum with welded pad foot    | Drum with welded pad foot              | 1   | Vibratory drum with welded pad foot, which cannot be removed, suitable for compaction of clay, semi-clay, rocks, gravels, expansive soil, and coal cinder base                       |                                                                                                                                                                                     | Substitute smooth drums permissible |
|                 | Vibratory drum with assembled pad foot | Drum with assembled pad foot           | 1   | Vibratory drum with assembled pad foot, which can be removed to form a smooth drum; suitable for compaction of clay, semi-clay, rocks, gravels, expansive soil, and coal cinder base |                                                                                                                                                                                     | Optional                            |

## Dimensions

| Size code | SSR180C-8 |
|-----------|-----------|
| A(mm)     | 3182      |
| W(mm)     | 2318      |
| L(mm)     | 6497      |
| D(mm)     | 1600      |
| H(mm)     | 3300      |
| B(mm)     | 2130      |
| K(mm)     | 410       |



### SANY HEAVY INDUSTRY CO. LTD.

SANY Industrial Park, Economic and Technological Development Zone, Changsha, Hunan, China, 410100  
 Sales Hotline  
 Tel: 0086-731-85835199  
 Mail: sales@sanyglobal.com

Service Hotline  
 Tel: 0086-4006098318  
 Mail: CRD@sany.com.cn

The product configuration (including technical parameters) is subject to change and the delivered actual machine without notice.

[www.sanyglobal.com](http://www.sanyglobal.com)