



# SSR80C-8H 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

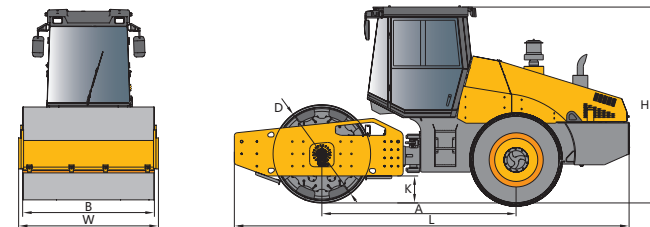
| Model           |   | SSR80C-8H    |
|-----------------|---|--------------|
| Load            | Operating mass (kg)                         | 7330         |
|                 | Mass allocated to vibrating drum (kg)       | 3750         |
|                 | Mass allocated to driving axle (kg)         | 3580         |
|                 | Static linear load of vibrating drum (N/cm) | 219          |
| Compaction      | Vibration frequency (Hz)                    | 29.5/33.5    |
|                 | Nominal amplitude (mm)                      | 1.9/1.2      |
|                 | Centrifugal force (kN)                      | 132/110      |
|                 | Diameter of vibrating drum (mm)             | 1215         |
|                 | Width of vibrating drum (mm)                | 1676         |
|                 | Vibrating drum rim thickness (mm)           | 20           |
| Maneuverability | Travel speed (km/h)                         | 0~4.5        |
|                 |   | 0~6.5        |
|                 |   | 0~8.5        |
|                 |   | 0~11.5       |
|                 | Theoretical gradeability                    | 60%          |
|                 | Min. ground clearance (mm)                  | 376          |
|                 | Wheelbase (mm)                              | 2675         |
|                 | Steering angle (° )                         | ± 37         |
|                 | Swing angle (° )                            | ± 12         |
|                 | Min. turning outer diameter (mm)            | 9750         |
|                 | Tire specification                          | 14.9R24      |
| Engine          | Brand                                       | YANMAR       |
|                 | Model                                       | 4TNV98CT-VSY |
|                 | Emission                                    | Stage V      |
|                 | Rated power (kW)                            | 53.7         |
| Capacities      | Battery (V × Ah)                            | 12 × 120     |
|                 | Fuel tank (L)                               | 130          |
|                 | Hydraulic oil tank (L)                      | 65           |

## Standard configurations

| Config.         | Systems                                | Description                            | Qty | Details  |   | Remarks                             |
|-----------------|--|--|-----|--|---|-------------------------------------|
| Standard confi. | Main machine                           | SSR80(EU) 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 |                                     |
| 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 | SSR80C-8H |
|-----------|-----------|
| A(mm)     | 2685      |
| W(mm)     | 1830      |
| L(mm)     | 5160      |
| D(mm)     | 1215      |
| H(mm)     | 3015      |
| B(mm)     | 1676      |
| K(mm)     | 376       |



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

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