



# STR140C-8C TANDEM DRUM ROLLER



## Reliable and efficient power

- ◆ Sufficient power to operate on slopes
- ◆ Three stage fuel filter system
- ◆ Engine cover opens wide to provide easy access for maintenance

## Advanced hydraulic system

- ◆ The closed loop hydraulic system has three filters for greater reliability.

## Drum vibration technology

- ◆ The use of water wheel type lubrication on the vibratory bearing extends the bearing life up to 5,000 hours.
- ◆ Drum evenness and smoothness meets stringent highway surface work requirements.
- ◆ Road surface clearance height at the edge can be up to 825mm.

## Reliable oil-spraying system

- ◆ 800L plastic lined water tanks provide water for up to 5.7 continuous hours of work
- ◆ Optimized spray amount prevents asphalt from sticking to drums and limits asphalt cooling.
- ◆ A back-up spray pump for greater reliability

## Efficient control system

- ◆ The operating controls can swing up to 90° right or left to allow the operator a clear view when working at the road edges.
- ◆ The speed and direction control joystick are integrated for greater control

## Operator comfort & safety features

- ◆ Cab mounted on three stage vibration damping mounts
- ◆ Cab climate control
- ◆ Specially designed parking brake system



## Technical specifications

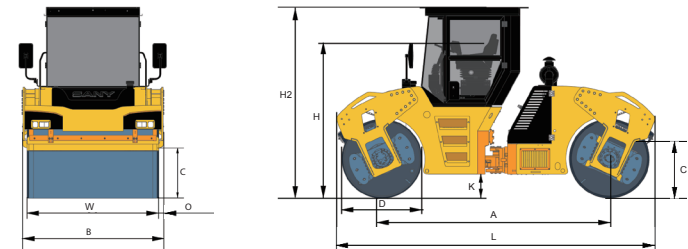
| Model            |  | STR140C-8C       |
|------------------|--|------------------|
| Weight and load  | Operating weight (kg)                  | 14000            |
|                  | Weight at drum (kg)                    | 7000             |
|                  | Weight at rear axle                    | 7000             |
|                  | Front drum static liner load (N/cm)    | 327              |
|                  | Rear drum static liner load (N/cm)     | 327              |
| Compaction       | Vibration frequency (Hz)               | 50/61            |
|                  | Nominal amplitude (mm)                 | 0.67/0.31        |
|                  | Centrifugal force (kN)                 | 169/119          |
|                  | Drum diameter (mm)                     | 1300             |
|                  | Drum width (mm)                        | 2135             |
|                  | Drum edge thickness (mm)               | 20               |
| Maneuver ability | Travel speed (km/h)                    | 0~12             |
|                  | Working speed (km/h)                   | 0~6.5            |
|                  | Theoretical gradeability vibratory     | 30%              |
|                  | Theoretical gradeability non-Vibratory | 35%              |
|                  | Ground clearance (mm)                  | 380              |
|                  | Wheelbase (mm)                         | 3689             |
|                  | Steering angle (° )                    | ± 33             |
|                  | Swing angle (° )                       | ± 8              |
|                  | Min. turning outside diameter (mm)     | 14000            |
|                  | Crab distance (mm)                     | 170              |
| Engine           | Brand                                  | DONGFENG CUMMINS |
|                  | Model                                  | QSB4.5-C160-30   |
|                  | Cooling system                         | Water cooling    |
|                  | Emission                               | Euro III         |
|                  | Rate speed (rpm)                       | 2200             |
|                  | Rated net power (kW)                   | 119              |
| Capacity         | Battery (V × Ah)                       | 24 × 120         |
|                  | Water tank (L)                         | 800              |
|                  | Fuel tank (L)                          | 230              |
|                  | Hydraulic oil tank (L)                 | 100              |

## Standard & optional configurations

| Config.         | Systems             | Description                             | Qty | Details  |  | Remarks                               |
|-----------------|---------------------|---|-----|--|--|---------------------------------------|
| Standard confi. | Main machine        | STR140C-8C Tandem 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.Electrical system | 9.Vibratory drum (smooth)<br>10.Front frame<br>11.Rear frame<br>12.Water-spraying system<br>13.Covering parts<br>14.Seat |                                       |
|                 | Cab                 | Cab assembly                            | 1   | Work in windy, sandy, and extreme temperature conditions   |  |                                       |
| Optional confi. | Shed (without HVAC) | Shed (without HVAC)                     | 1   | Low cost   |  | Substitute operating platform allowed |

## Dimensions

| Size code | STR140C-8C |
|-----------|------------|
| A (mm)    | 3689       |
| B (mm)    | 2305       |
| C (mm)    | 825        |
| D (mm)    | 1300       |
| H (mm)    | 2538       |
| H2 (mm)   | 3215       |
| K (mm)    | 380        |
| L (mm)    | 5165       |
| O (mm)    | 85         |
| W (mm)    | 2135       |



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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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