

Powerful performance

- ◆ International brand Kubota engine, with a power of 36kW and a torque of 207N · m, 31% higher than industry average;
- ◆ Equipped with turbocharging, it can operate normally at an altitude of 4,000 meters and start normally at -20℃.

Lower fuel consumption

- ◆ 25% lower fuel consumption than domestic engines, saving about RMB 10,000 in usage costs per year;
- ◆ The oil-water mixed spraying system can save 25 liters of oil per day, saving about RMB 30,000 in usage costs per year.

High Compaction Efficiency

- ◆ One machine for multiple purposes. Supports vibratory compaction via drums and kneading compaction through tires;
- ◆ Fast speed: The maximum speed is 12km/h, 12% faster than the industry;
- ◆ Good compaction effect: exciting force of 68kN, 36% higher than the industry; high frequency of 60Hz, 7% higher than the industry;
- ◆ High gradeability: can climb a 40% slope, surpassing the industry average of 30%.

CB Series



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Warm reminder:
As the technology is constantly updated, technical parameters and configurations are subject to change without prior notice.
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SANY®

SPECIFICATION



Road roller STR/SZR50C-8K

QUALITY CHANGES THE WORLD
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Product Highlights



STR/SZR350C-8K

Road roller
CB Series

Optimal matching of power system

- ◆ SANY-exclusive Kubota engine that meets China IV emission standards can ensure the reliability of the machine under harsh working conditions (capable of normal construction at an altitude of 4000 meters and in temperatures ranging from -20°C to 45°C);
- ◆ The same imported engine as SANY excavator SY60, fittings are easy to obtain;
- ◆ Powerful performance, fuel-efficient, and environmentally friendly, with about 25% lower fuel consumption than domestic engines.



Flexible operation and convenient edge compaction

- ◆ Flexible steering wheel with low steering force (only 10N), and low operating force for the control joystick (only 20N);
- ◆ The seat slides 180mm left and right, and the visible width of the drum is 100mm;
- ◆ Dual-joysticks operation makes edge compaction more convenient.



Oil-water mixed spraying technology

- ◆ Anti-drip nozzles are used, and no oil or water drips when spraying stops;
- ◆ Independent oil spraying, water spraying, and oil-water mixed spraying can be achieved on the rear tires;
- ◆ Customers can save 25 liters of oil per day, saving about RMB 30,000 in usage costs per year.



Reliable drum structure

- ◆ The unique thickened rim design improves the wear resistance of the roller rim during edge compaction;
- ◆ SANY's patented waterwheel-type lubrication technology provides 360° omnidirectional lubrication for the bearings, ensuring sufficient heat dissipation and lubrication, with a service life exceeding 10,000 hours.



SANY intelligent control technology

- ◆ SANY intelligent controller features a 24-color 7-inch touch display and control integrated LCD screen, and Beidou high-precision positioning, with capabilities of data return and monitoring maintenance;
- ◆ The standard intelligent vibration control valve controls the front wheel to vibrate separately, the rear wheel to vibrate separately, and the front and rear wheels to vibrate simultaneously;
- ◆ Optional intelligent compaction monitoring system.



Economic value analysis

The SANY SZR/STR50C-8K combination/tandem drum roller can create an additional value of RMB 51,500 for customers each year

- 1. Lower fuel consumption, more cost savings – saving about RMB 40,000 in fuel costs per year**
 - ◆ The oil-water mixed spraying system reduces oil consumption by approximately 25 liters daily, which can save about RMB 30,000 in vegetable oil costs per year;
 - ◆ Equipped with a turbocharged Kubota engine meeting China IV emission standards, it delivers fuel efficiency and environmental benefits without requiring urea additives, achieving approximately 25% lower fuel consumption compared to domestic engines, and saving about RMB 10,000 in fuel costs per year.
- 2. High compaction efficiency – can earn about RMB 10,000 more per year**
 - ◆ One machine for multiple purposes, supporting vibratory compaction via drums and kneading compaction through tires;
 - ◆ Dual-drive and dual-vibration, with large exciting force (68kN) and high frequency (60Hz), construction efficiency 10% higher than the industry.
- 3. High compaction efficiency – can earn about RMB 10,000 more per year**
 - ◆ The engine is universal for SANY excavators, and the fittings are easy to obtain. The maintenance cost is about RMB 500 lower per time than that of imported brand rollers, with 3 maintenance times per year, saving about RMB 1,500 in usage costs.

Product Optional Configuration

Item	Description of additional/optional configuration
Canopy	Configuration of control platform canopy
Smart Compaction System	Used for online detection of compactness on construction site
Edge cutter/presser	Meet the road cutting/compaction construction requirements of road machinery
Fire extinguishers	Product configuration requirements in different countries
Beacon light	Product configuration requirements in different countries
Lighting lamp	Add lighting lamps on the top of tipping frame

*: The above configurations need to be priced separately

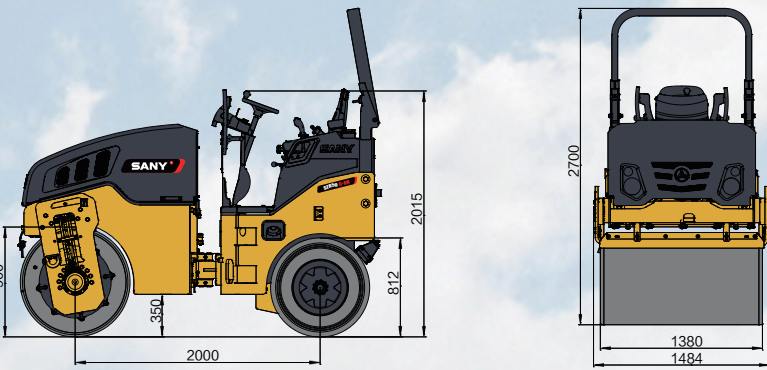
Service environment of product

- ◆ Altitude: ≤2,000m
- ◆ Temperature: -20°C ~ 45°C
- ◆ Gradient: ≤30%

Product Parameters

Overall Dimensions

The following are standard configuration measurement values; actual values may vary depending on optional components.



Unit: mm

Item	STR50C-8K (Tandem Roller)	STR50C-9K (Tandem Roller)	SZR50C-8K (Combination Roller)
Engine brand and model	Kubota V2607	Kubota V2607	Kubota V2607
Emission stage	Non-Road China IV	Euro V	Non-Road China IV
Rated power/speed (kW/rpm)	36/2000	32.4/2000	36/2000
Operating mass of machine (kg)	4500	4500	4500
Front and rear load distribution (kg)	2250	2250	2250
Static linear pressure (N/cm)	160	160	160
Front wheel vibration frequency (Hz)	50/60	50/56	50/60
Amplitude of front wheel (mm)	0.5	0.5	0.5
Exciting force of front wheel (kN)	47/68	47/59	47/68
Rear wheel vibration frequency (Hz)	50/60	50/56	\
Amplitude of rear wheel (mm)	0.5	0.5	\
Exciting force of rear wheel (kN)	47/68	47/59	\
Drum diameter/width (mm)	900/1380	900/1380	900/1380
Theoretical gradeability: vibrating mode/static mode (%)	40/30	40/30	40/30
Fuel tank volume (L)	68	68	68