

High performer

- ◆ **High Flexibility:** Small inner turning radius, increased steering precision, and 50 mm steering offset, ideal for tight working spaces.
- ◆ **Grand Performance:** Optimal traction and high stability on inclines of up to 40%.
- ◆ **Sufficient Power Resources:** Enough power even in demanding work conditions.



C10 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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V.20250409

SANY®

SPECIFICATION



Road roller STR27C-10

QUALITY CHANGES THE WORLD

www.sanyglobal.com

Product Highlights

Efficient compaction

- ◆ **Quick Progress:** High-frequency vibration of 67 Hz, compaction speed of 8 km/h for higher efficiency.
- ◆ **Uniform Compaction:** With our unique 11-fold speed adjustment, persistent compaction excellence is achieved.

Comfortable operation

- ◆ **Spacious Operator Platform:** Ergonomic design, large control areas, and ample legroom provide comfort during operation.
- ◆ **Excellent Visibility:** The slim waist design improves all-around visibility and enhances drum edge visibility, increasing safety.
- ◆ **Comfortable Operation:** Side-shifting and rotating seat with an adjustment range of 300 mm, a swing range of $\pm 20^\circ$, a clear and intuitively operated control panel, and a modern color touchscreen for maximum operator comfort. The operator benefits from the multiple seat adjustment and the good view to the drum edges.



STR27C-10

Road roller
C10 Series

High-frequency vibration technology

- ◆ High-frequency vibration of 67 Hz with 4,020 blows per minute for more intensive compaction.
- ◆ Reinforced bearing supports for the exciter system, combined with SANY's patented water-wheel lubrication technology, ensure a long service life.



Flexible Start-Stop Technology

- ◆ The third-generation hydraulic control system with dual filtration ensures smooth acceleration and deceleration without jerking.



Ergonomic design

- ◆ Spacious operator platform with ergonomic design, ensuring easy access to all controls.
- ◆ Sliding and rotating mechanism with a suspended seat for enhanced operator comfort.
- ◆ Compact design with 155 mm protruding bandages for excellent visibility and safety.



Third-generation energy-saving control technology

- ◆ Optimized coordination of the engine and hydraulic pump enables the engine to operate in a low fuel consumption range, while the hydraulic pump for the drive system operates in a high-efficiency range, reducing fuel consumption.
- ◆ Reduces vibration peaks during startup and minimizes unnecessary energy losses for more efficient compaction.



Product configuration options

Item	Description of optional configurations
Canopy	Used for sun and rain protection
Intelligent Compaction	Compaction Support
ROPS Lighting	Front and Rear Work Lights
Boundary Warning Light	Hazard Area Lighting at Machine Edges
Edge Lighting for Drums	Front drum-edge lighting
Anti-Slip Control	Traction Control
Edge Cutter	Asphalt Edge Cutting
Active Safety	Active Safety Radar
Dual Joysticks	Left Joystick

*: The above-mentioned configurations must be priced separately.

Operating Environment of the Product

- ◆ Altitude: ≤2000 m
- ◆ Temperature: -10°C~45°C
- ◆ Climbing ability: ≤40%

Economic value analysis

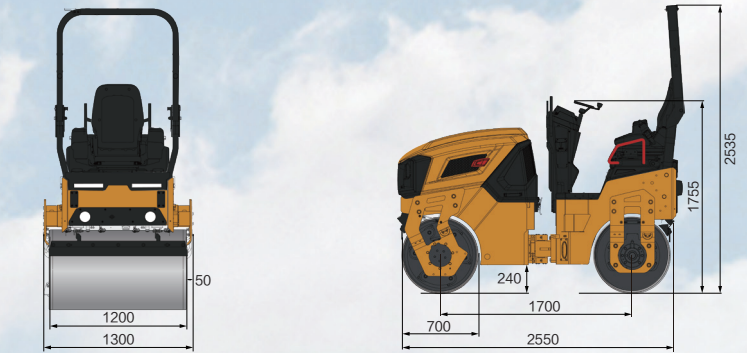
“Value-Generating” Tandem Roller - Delivering greater benefits and savings for customers every year.

- ◆ Engines, pumps, and valves from renowned manufacturers ensure reliable operation.
- ◆ High-frequency vibration of 67 Hz, an operating speed of 8 km/h, and a transfer speed of 11 km/h enable 10% higher work efficiency and an additional profit.
- ◆ Comfortable, simple, and safe operation with reduced labor costs.
- ◆ A wide range of optional equipment, adaptable to different application requirements.

Product Parameters

Overall Dimensions

Note: The following specifications refer to the standard configuration. Actual values may vary depending on selected optional equipment.



Unit: mm

Item	STR27C-10
Operating Weight of the Machine (kg)	2750
Front and Rear Load Distribution (kg)	1375/1375
Static Linear Load (N/cm)	112/112
Vibration Frequency (Hz)	55/67
Amplitude (mm)	0.5
Excitation Force (kN)	28/42
Drum Diameter/Width (mm)	700/1200
Theoretical Climbing Ability (Vibration/No Vibration) (%)	30/40
Engine Manufacturer and Model	D1803-CR-E5B-SNY-1S
Emission Standard	Non-Road Vehicles Euro VI/US Tier 4
Rated Power/Speed (kW/rpm)	25/2400
Tank Volume (L)	50

