

## Efficient compaction

- ◆ **Fast compaction:** 67Hz vibration compaction, with two stepless speed—adjustable ranges of 6km/h and 11km/h;
- ◆ **Even compaction effect:** the amplitude uniformity deviation on both sides of the drum is  $\leq 5\%$ ;
- ◆ **Smooth start and stop during travel:** the starting and stopping are smooth without impact, and the reversing is comfortable and accurate.

## Easy Maintenance

- ◆ **Automatic tensioning:** the automatic tensioning construction of the drum scraper is simple and convenient;
- ◆ **Maintenance-free:** the central articulated frame bearing is maintenance-free and convenient for adjustment of the crabwalk;
- ◆ **Large opening angle:** the covering parts are opened by  $70^\circ$  , and the replacement of three filters and hydraulic oil filter is within reach;
- ◆ **Large volume oil tank:** 50L large volume oil tank, reducing the number of refueling times and improving construction efficiency.

**C10S Series**



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**SANY®**

## SPECIFICATION



## Road roller STR30C-10S

QUALITY CHANGES THE WORLD  
[www.sanyglobal.com](http://www.sanyglobal.com)

## Product Highlights

### Highly maneuverable

- ◆ **Small turning radius:** with a minimum inner turning radius of 2.65 meters and a 50mm crabwalk capability, the roller is ideal for construction in confined spaces;
- ◆ **Strong gradeability:** with a 30% gradeability under vibration mode and a 40% gradeability in non-vibration mode, the roller facilitates rapid loading and transfer to other sites.;
- ◆ **Strong power:** Kubota engine has a power of up to 24kW and a power reserve of 20%, which can calmly cope with more complex working conditions.

### Ultimate comfort

- ◆ **Large space:** 316mm long-distance lateral sliding, and 315mm legroom;
- ◆ **Good vision:** the frame features a waist-narrowing design, and the drum edge protrudes from the frame by 155mm;
- ◆ **Comfortable operation:** double travel joysticks + 7-inch display and control integrated color screen, more comfortable to operate.



STR30C-10S

Road roller  
C10S Series

### High-frequency vibration technology

- ◆ 67Hz high-frequency vibration, delivering 4,020 ground strikes per minute for more intensive compaction;
- ◆ The reinforced vibration bearing support eccentric device and SANY patented waterwheel lubrication technology ensure a bearing lifespan exceeding 10,000 hours;
- ◆ Unified triple centers ensure amplitude uniformity deviation ≤5%, providing more consistent force of the drum on the road surface.



### Flexible Start-Stop technology

- ◆ SANY's proprietary travel system displacement precision control technology makes starting and stopping smooth.



### Ergonomic design

- ◆ Spacious cabin with ergonomic design, providing buttons within easy reach;
- ◆ Sliding control system and waterproof seats make operation more comfortable;
- ◆ Waist-narrowing design with 155mm edge-protruding drums for superior visibility and safety.



### Third-generation energy-saving control technology

- ◆ Optimum matching control of engine and pump allows the engine to work in a low fuel consumption range, while the vibration pump and travel pump work in a high efficiency range, reducing fuel consumption;
- ◆ Travel vibration peak elimination technology reduces starting and vibration peak power consumption.



### Optional product configuration

Item	Applicable scenarios and descriptions
ROPS dome light	Front and rear working lamps
Drum-edge lamp	Front drum-edge lighting
Anti-skid turn	Anti-skid control
Edge cutter	Asphalt edge cutting

\*: The above configuration needs to be priced separately

### Service environment of product

- ◆ Altitude: ≤2,000m
- ◆ Temperature: -10℃ ~45℃
- ◆ Gradient: ≤40%

### Economic value analysis

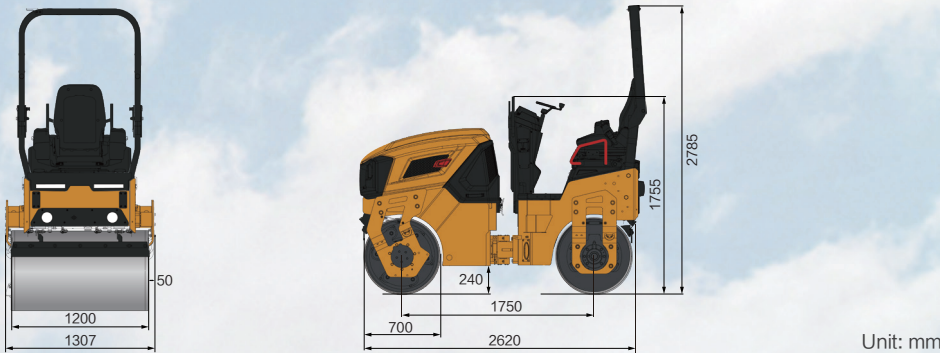
**"Profit-boosting" roller, creating more value for customers every year**

- ◆ Industry-renowned engines, pumps, motors, valves, higher reliability, worry-free, trouble-free, and money-saving;
- ◆ With 67Hz high-frequency vibration, a construction speed of 8 km/h, and a transfer speed of 11 km/h, the roller outperforms peers in terms of both construction efficiency and quality;
- ◆ The operation is comfortable, simple and safe, and the operator is willing to drive and likes to drive;
- ◆ Rich optional functions to adapt to more working conditions.

### Product Parameters

#### Overall Dimensions

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



Unit: mm

Item	STR30C-10S(Tandem roller)
Maximum operating mass of the complete roller (kg)	2920
Mass allocated to front wheels (kg)	1440
Mass allocated to rear wheels (kg)	1480
Vibration frequency (Hz)	55/67
Amplitude (mm)	0.5
Exciting force (kN)	28/42
Drum diameter/width (mm)	700/1200
Theoretical gradeability (vibration/no vibration) (%)	30/40
Engine brand and model	Kubota D1803
Emission standard	China IV
Rated power/speed (kW/rpm)	24/2400
Fuel tank volume (L)	50

