

SANY®

QUALITY CHANGES THE WORLD

STR27C-10

SANY Road Roller



2.65m

Min. inside turning radius



40%

Theoretical gradeability



24.6kW

Rated output power



Stage V / T4f

Emission standard

Operating ambient temperature: -10 °C -45 °C; Altitude ≤2000 meters.



Read E-brochure



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-gear 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



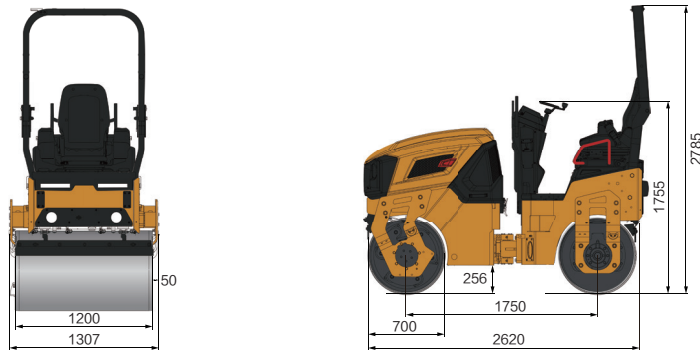
High performer

- 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.

Overall Dimensions

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

Unit: mm



Reminder:

Any change in the technical parameters and configuration due to product modification or upgrade may occur without prior notice. The machine in the picture may include additional equipment. This brochure is for reference only, and goods in kind shall prevail. Copyright at SANY. No part of this brochure may be copied or used for any purpose without written approval from SANY.

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Technical Specifications

CATEGORY	ITEM	UNIT	PARAMETERS
Power parameters	Power parameters	-	Kubota D1803
	Rated output power	kW	24.6
	Emission standard	-	Stage V / T4f
Mass load	Max. operating mass	kg	2750
	Distributed mass of front wheel	kg	1375
	Distributed mass of rear wheel	kg	1375
	Static line load of front wheel	N/cm	112
	Static line load of rear wheel	N/cm	112
Vehicle parameters	Overall dimensions (length×width×height)	mm	2620×1307×2785
	Vibration frequency	Hz	55/67
Compaction mechanism parameters	Nominal amplitude	mm	0.5
	Exciting force	kN	28/42
	Dia. of vibratory drum	mm	700
	Width of vibratory drum	mm	1200
	Thickness of drum	mm	13
	Travel speed	km/h	0~11
	Theoretical gradeability (vibrating)	%	30
Maneuverability parameters	Theoretical gradeability (non-vibrating)	%	40
	Min. clearance to ground	mm	256
	Wheelbase	mm	1750
	Steering angle	°	± 32
	Swing angle	°	± 10
	Min. inside turning radius	mm	2650
	Crab walk distance	mm	50
Capacity parameters	Fuel tank	L	50
	Hydraulic oil tank	L	30
	Water tank	L	200
	Battery	V×Ah	12×60

Configuration ● Standard ○ Optional

ITEM	STR27C-10	ITEM	STR27C-10
Right electric control joysticks	●	12V electric port	●
Color touchscreen	●	12V USB port	●
Emergency braking	●	Phone box	●
Foldable ROPS (roll-over protective structure)	●	Cup holder	●
Reversing buzzer	●	Left electric control joysticks	○
Adjustable roller scraper	●	Canopy	○
Binding ring	●	Control side-slip	●
Intermittent pressurized watering	●	Anti-slip system	○
Real time water-level display	●	Edge cutter	○
Single-point hoisting	●	Wheel-end light	○
Front and rear wheel independent and simultaneous Vibration	●	ROPS canopy light	○
Electronically controlled manual and automatic vibration modes	●	Blue-zone beacon light	○
		Beacon light	○
		Intelligent compaction system	○

