



STR50C-8 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

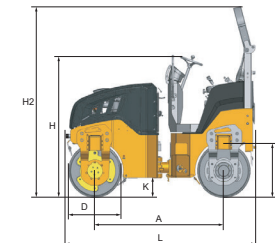
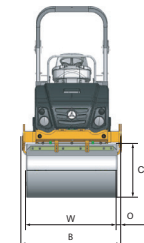
Model		STR50C-8
Weight and load	Operating weight (kg)	4500
	Weight at drum (kg)	2250
	Weight at rear axle	2250
	Front drum static liner load (N/cm)	160
	Rear drum static liner load (N/cm)	160
Compaction	Vibration frequency (Hz)	50/60
	Nominal amplitude (mm)	0.5
	Centrifugal force (kN)	47/68
	Drum diameter (mm)	900
	Drum width (mm)	1380
Maneuver ability	Drum edge thickness (mm)	18
	Travel speed (km/h)	0~12
	Working speed (km/h)	
	Theoretical gradeability vibratory	30%
	Theoretical gradeability non-Vibratory	40%
	Ground clearance (mm)	350
	Wheelbase (mm)	2000
	Steering angle (°)	± 32
	Swing angle (°)	± 10
	Min. turning outside diameter (mm)	8564
	Crab distance (mm)	50
Engine	Brand	KUBOTA
	Model	V2607
	Cooling system	Water cooling
	Emission	EU IV
	Rate speed (rpm)	2000
	Rated net power (kW)	36
Capacity	Battery (V × Ah)	12 × 120
	Water tank (L)	310
	Fuel tank (L)	68
	Hydraulic oil tank (L)	40

Standard configurations

Config.	Systems	Description	Qty	Details		Remarks
Standard confi.	Main machine	STR50C-8 Tandem Drum Roller, Standard	1	1.Engine 2.Travel pump 3.Vibration pump 4.Travel motor 5.Vibration motor 6.Reduction gears 7.Operating platform 8.Electrical system	9.Vibratory drum (smooth) 10.Front frame 11.Rear frame 12.Water-spraying system 13.Covering parts 14.Seat	
	Shed (without HVAC)	Shed (without HVAC)	1	Low cost		

Dimensions

Size code	STR50C-8
A (mm)	2000
B (mm)	1484
C (mm)	690
D (mm)	900
H (mm)	1957
H2 (mm)	2700
K (mm)	350
L (mm)	2900
O (mm)	60
W (mm)	1380



SANY HEAVY INDUSTRY CO. LTD.

SANY Industrial Park, Economic and Technological Development Zone, Changsha, Hunan, China, 410100
 Sales Hotline
 Tel: 0086-731-85835199
 Mail: sales@sanyglobal.com

Service Hotline
 Tel: 0086-4006098318
 Mail: CRD@sany.com.cn

The product configuration (including technical parameters) is subject to change and the delivered actual machine without notice.

www.sanyglobal.com