



STR100C-8C 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

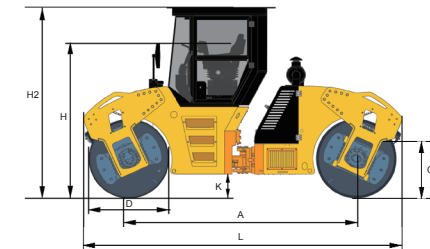
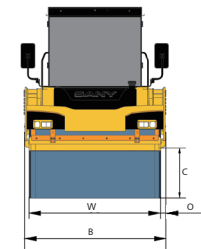
Model	STR100C-8C	
Weight and load	Operating weight (kg)	10500
	Weight at drum (kg)	5250
	Weight at rear axle	5250
	Front drum static liner load (N/cm)	271
	Rear drum static liner load (N/cm)	271
Compaction	Vibration frequency (Hz)	50/61
	Nominal amplitude (mm)	0.75/0.3
	Centrifugal force (kN)	140/94
	Drum diameter (mm)	1240
	Drum width (mm)	1900
	Drum edge thickness (mm)	17
Maneuver ability	Travel speed (km/h)	0~12
	Working speed (km/h)	0~6.5
	Theoretical gradeability vibratory	30%
	Theoretical gradeability non-Vibratory	35%
	Ground clearance (mm)	360
	Wheelbase (mm)	3689
	Steering angle (°)	± 33
	Swing angle (°)	± 8
	Min. turning outside diameter (mm)	13530
	Crab distance (mm)	170
Engine	Brand	DONGFENG CUMMINS
	Model	QSB4.5-C160-30
	Cooling system	Water cooling
	Emission	Euro III
	Rate speed (rpm)	2200
	Rated net power (kW)	119
Capacity	Battery (V × Ah)	24 × 120
	Water tank (L)	800
	Fuel tank (L)	230
	Hydraulic oil tank (L)	100

Standard & optional configurations

Config.	Systems	Description	Qty	Details	Remarks
Standard confi.	Main machine	STR100C-8C 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	
	Cab	Cab assembly	1	Work in windy, sandy, and extreme temperature conditions	
Optional confi.	Shed (without HVAC)	Shed (without HVAC)	1	Low cost	Substitute operating platform allowed

Dimensions

Size code	STR100C-8C
A (mm)	3689
B (mm)	2100
C (mm)	825
D (mm)	1240
H (mm)	2507
H2 (mm)	3215
K (mm)	360
L (mm)	5165
O (mm)	100
W (mm)	1900



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

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