

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 90o 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

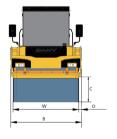
Operating weight (kg)		Model	STR100C-8C		
Weight and load Weight at rear axle 5250 Front drum static liner load (N/cm) 271 Rear drum static liner load (N/cm) 271 Vibration frequency (Hz) 50/61 Nominal amplitude (mm) 0.75/0.3 Centrifugal force (kN) 140/94 Drum diameter (mm) 1240 Drum width (mm) 1900 Drum edge thickness (mm) 17 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) 170 Brand DONGFENG CUMMINS Model QSB4.5~C160~30 Cooling system Water cooling		Operating weight (kg)	10500		
Front drum static liner load (N/cm) 271 Rear drum static liner load (N/cm) 271 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 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) 170 Brand DONGFENG CUMMINS Model QSB4.5~C160~30 Cooling system Water cooling	Weight and load	Weight at drum (kg)	5250		
Rear drum static liner load (N/cm) 271		Weight at rear axle	5250		
Vibration frequency (Hz) 50/61		Front drum static liner load (N/cm)	271		
Nominal amplitude (mm) 0.75/0.3		Rear drum static liner load (N/cm)	271		
Compaction Centrifugal force (kN) 140/94		Vibration frequency (Hz)	50/61		
Drum diameter (mm)		Nominal amplitude (mm)	0.75/0.3		
Drum diameter (mm)	C	Centrifugal force (kN)	140/94		
Drum edge thickness (mm)	Compaction	Drum diameter (mm)	1240		
Travel speed (km/h) Working speed (km/h) Working speed (km/h) Theoretical gradeability vibratory Theoretical gradeability non-Vibratory Ground clearance (mm) Wheelbase (mm) Steering angle (°) ± 33 Swing angle (°) # 8 Min. turning outside diameter (mm) Travel speed (km/h) O~6.5 Theoretical gradeability a5% Ground clearance (mm) 360 Wheelbase (mm) Steering angle (°) ± 8 Min. turning outside diameter (mm) DONGFENG CUMMINS Model QSB4.5-C160-30 Cooling system Water cooling		Drum width (mm)	1900		
Working speed (km/h)		Drum edge thickness (mm)	17		
Theoretical gradeability vibratory Theoretical gradeability non-Vibratory Ground clearance (mm) Wheelbase (mm) Steering angle (°) Swing angle (°) Min. turning outside diameter (mm) Brand DONGFENG CUMMINS Model QSB4.5-C160-30 Cooling system Water cooling	Maneuver ability	Travel speed (km/h)	0~12		
Theoretical gradeability 35%		Working speed (km/h)	0~6.5		
Naneuver ability Ground clearance (mm) 360		Theoretical gradeability vibratory	30%		
Maneuver ability Wheelbase (mm) Steering angle (°) Swing angle (°) Min. turning outside diameter (mm) Crab distance (mm) Brand DONGFENG CUMMINS Model QSB4.5-C160-30 Cooling system Water cooling			35%		
Wheelbase (mm) 3689 Steering angle (°) ±33 Swing angle (°) ±8 Min. turning outside diameter (mm) 13530 Crab distance (mm) 170 Brand DONGFENG CUMMINS Model QSB4.5-C160-30 Cooling system Water cooling		Ground clearance (mm)	360		
Swing angle (°) ±8 Min. turning outside diameter (mm) 13530 Crab distance (mm) 170 Brand DONGFENG CUMMINS Model QSB4.5-C160-30 Cooling system Water cooling		Wheelbase (mm)	3689		
Min. turning outside diameter (mm) Crab distance (mm) Brand DONGFENG CUMMINS Model QSB4.5-C160-30 Cooling system Water cooling		Steering angle (°)	±33		
Crab distance (mm) Brand DONGFENG CUMMINS Model QSB4.5-C160-30 Cooling system Water cooling		Swing angle (°)	±8		
Brand DONGFENG CUMMINS Model QSB4.5-C160-30 Cooling system Water cooling		Min. turning outside diameter (mm)	13530		
Model QSB4.5-C160-30 Cooling system Water cooling		Crab distance (mm)	170		
Cooling system Water cooling		Brand	DONGFENG CUMMINS		
Cooling system Water cooling		Model	QSB4.5-C160-30		
Engine	Engine	Cooling system	Water cooling		
Engine Euro III		Emission	Euro III		
Rate speed (rpm) 2200		Rate speed (rpm)	2200		
Rated net power (kW) 119		Rated net power (kW)	119		
Battery (V×Ah) 24×120	Capacity	Battery (V×Ah)	24×120		
Water tank (L) 800		Water tank (L)	800		
Fuel tank (L) 230		Fuel tank (L)	230		
Hydraulic oil tank (L) 100		Hydraulic oil tank (L)	100		

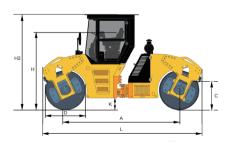
Standard & optional configurations

Config.	Systems	Description	Qty	Def	tails	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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