

# SSR180C-8 SINGLE DRUM PADFOOT ROLLER

## EXTENDED LIFE TIME

- ◆ The use of water wheel type lubrication on the vibratory bearing extends the bearing life up to 5,000 hours.
- ◆ Double filtration of engine high intake air, the hydraulic system contains three stage filtration.

## HIGH EFFICIENCY

- ◆ 10% greater excitation force than other products in the same category resulting in 16.7% greater production.

## SAFETY FEATURES

- ◆ Rounded bumpers front and rear
- ◆ Large rear glass and sloped hood for greater visibility

## OPERATOR COMFORT

- ◆ Cab mounted on vibration damping mounts
- ◆ Cab temperature control
- ◆ Operator control forces have been reduced



### Higher compaction efficiency

- ◆ The exciting force is 10% higher than similar models in the industry, Operational efficiency increased by 16.7%

### Longer service life of the whole machine

- ◆ The original mouse pocket lubricating device fully lubricates the bearings, bearings. Service life of more than 5000h
- ◆ Double filtration of high-position air intake of the engine, three-stage filtration of oil circuit

### Safer humanized design

- ◆ Front and rear bumpers ensure the safety of the operator
- ◆ Large rear window and sloped hood provide greater performance Visibility

### Comfortable operating environment

- ◆ The cab is installed on the shock absorbing bracket
- ◆ Cab temperature can be controlled
- ◆ Operator control has been reduced



TECHNICAL PARAMETERS



SSR180C-8  
SSR180C-8 Single Drum Padfoot Roller Technical Parameters

Model		SSR180C-8
Weight and Load	Operating Weight(kg)	19350
	Weight at Drum(kg)	13750
	Weight at Rear axle(kg)	5600
	Drum Static Linear Load(N/cm)	582
Compaction	Vibration Frequency (Hz)	29/35
	Nominal Amplitude(mm)	2.0/1.0
	Centrifugal force(kN)	380/275
	Drum Diameter(mm)	1800
	Drum Width(mm)	2130
	Drum Edge Thickness(mm)	40
Maneuver Ability	Travel Speed(km/h)	0~4
		0~5.5
		0~6
		0~8
	Gradeability	0.45
	Ground Clearance(mm)	410
	Wheelbase(mm)	3182
	Steering Angle(°)	±35
	Swing Angle(°)	±12
	Min. Turning Outside Diameter(mm)	12350
Engine	Tires	23.1-26-12PR
	Brand	DONGFENG CUMMINS
	Model	QSB5.9-C180-33
	Emission	/
	Rated Power(kW)	133
Capacity	Battery(V×Ah)	24×120
	Fuel Tank(L)	300
	Hydraulic Oil Tank(L)	150

Single Drum Padfoot Roller SSR180C-8 Standard and Optional Configurations

Config	Systems	Description	Quantity	Details		Remarks
Standard (Padfoot) Configuratoin	Main Machine	SSR180C-8	1	1.Engine 2.Travel Pump 3.Vibration Pump 4.Travel Motor 5.Vibration Motor 6.Reduction Gears 7.Operating Platform 8.Vibratory Drum (Smooth) 9.Electrical System	10.Operating System 11.Front Frame 12.Rear Frame 13.Covering Part 14.Rear Axle Assembly 15.Center Articulated Frame 16.Cab+A/C	
		SSR180C-8 Single Drum Roller, Standard				
	Shed	Shed	1	Low Cost		Optional
	Vibratory Drum with Welded pad foot	Drum with Welded pad foot	1	Vibratory drum with welded pad foot, which cannot be removed, suitable for compaction of clay, semi-clay, rocks, gravels, expansive soil, and coal cinder base		Substitute smooth drums permissible
	Vibratory Drum with Assembled pad foot	Drum with Assembled pad foot	1	Vibratory drum with assembled pad foot, which can be removed to form a smooth drum; suitable for compaction of clay, semi- clay, rocks, gravels, expansive soil, and coal cinder base		Optional

Dimensions of SSR180C-8 Single Drum Padfoot Roller

Size Code	SSR180C-8
A(mm)	3182
W(mm)	2318
L(mm)	6497
D(mm)	1600
H(mm)	3300
B(mm)	2130
K(mm)	410

