



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

- ◆ Original rat bag type lubricating device fully lubricates bearings, bearings Service life of more than 5000h
- ◆ Double filtration of air intake at the high position of the engine, and three-stage filtration of the oil circuit

Safer humanised design

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- ◆ Double filtration of air intake at the high position of the engine, and three-stage filtration of the oil circuit
- ◆ Safer humanised design
- ◆ The cab is installed on the shock absorbing bracket
- ◆ Cab temperature can be controlled
- ◆ Operator control has been reduced

HIGH EFFICIENCY

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

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.

OPERATOR COMFORT

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

SAFETY FEATURES

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

TECHNICAL PARAMETERS

SSR120C-10

Single Drum Padfoot Roller Technical Parameters

Model		SSR120C-10
Weight and Load	Operating Weight(kg)	12956
	Weight at Drum(kg)	7000
	Weight at Rear axle(kg)	5000
	Drum Static Linear Load(N/cm)	329
Compaction	Vibration Frequency (Hz)	32/36
	Nominal Amplitude(mm)	1.8/0.9
	Centrifugal force(kN)	280/178
	Drum Diameter(mm)	1500
	Drum Width(mm)	2130
Maneuver Ability	Travel Speed(km/h)	0~6.0
		0~7.5
		0~8.5
		0~12.5
	Gradeability	50% / 53%
	Ground Clearance(mm)	480
	Wheelbase(mm)	2868
	Steering Angle(°)	±35
	Swing Angle(°)	±12
	Min. Turning Outside Diameter(mm)	11600
Engine	Tires	23.1-26-12PR
	Brand	DONGFENG CUMMINS
	Model	QSB3.9-C125-30
	Emission	NR3
Capacity	Rated Power(kW)	93
	Battery(V×Ah)	24×120
	Fuel Tank(L)	250
	Hydraulic Oil Tank(L)	100

SSR120C-10

Single Drum Roller SSR120C-10 Standard and Optional Configurations

Config	Systems	Description	Quantity	Details	Remarks
Standard Configuration	Main Machine	SSR120C-10	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
		SSR120C-10 Single Drum Padfoot Roller, Standard			
Optional Configuration	Shed	Shed	1	Low Cost	Optional
	Vibratory Smooth Drum	Smooth Drum	1	Vibratory smooth drum suitable for compaction of clay, semi - clay, rocks, gravels, expansive soil, and coal cinder base	Substitute smooth drums permissible
	Vibratory Smooth Drum	Drum with Assembled pad foot	1	Vibratory smooth drum suitable for compaction of clay, semi - clay, rocks, gravels, expansive soil, and coal cinder base	Optional

SSR120C-10

Dimensions of Single Padfoot Roller – Padfoot

Size Code	SSR120C-10
A(mm)	2868
W(mm)	2285
L(mm)	5775
D(mm)	1500
H(mm)	3325
B(mm)	2130
K(mm)	480

