

SSR180C-8 SINGLE DRUM 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



TECHNICAL PARAMETERS

SSR180C-8
Single Drum Roller Technical Parameters

Model		SSR180C-8
Weight and Load	Operating Weight(kg)	18000
	Weight at Drum(kg)	12400
	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)	1600
	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	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	CUMMINS
	Model	QSB5.9
	Emission	/
Capacity	Rated Power(kW)	133
	Battery(V×Ah)	24×120
	Fuel Tank(L)	300
	Hydraulic Oil Tank(L)	150

SSR180C-
Single Drum Roller Standard and Optional Configurations

Config	Systems	Description	Quantity	Details		Remarks
Standard Configuration	Main Machine	SSR180C-8 Single 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.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	
				Low Cost		Optional
Optional Configuration	Shed	Shed	1			
	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

SSR180C-8
Dimensions of SSR180C-8 Single Drum 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

