

# 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.

## 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

## 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
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
Tires	23.1-26-12PR	
Engine	Brand	CUMMINS
	Model	QSB5.9
	Emission	/
	Rated Power(kW)	133
Capacity	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
				Shed	Shed
Optional Configuration	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

