

## **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 specifications**

Operating weight (kg)         18000           Weight and load         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         Gradeability         45           Gradeability         45%           Maneuver ability         Ground clearance (mm)         410           Wheelbase (mm)         3182           Steering angle (°)         ± 35           Swing angle (°)         ± 12           Min. turning outside diameter (mm)         12350           Tires         23.1-26-12PR           Brand         DONGFENG CUMMINS           Model         QSB5.9-C180-33           Emission         China IIT           Rated power (kW)         133           Battery (V×Ah)         24×120           Fuel tank (L)         300		Model	SSR180C-8		
Weight and load         Weight at rear axle (kg)         5600           Drum static linear load (N/cm)         582           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           Travel speed (km/h)           O-6         0-8           Gradeability         45%           Maneuver ability         Ground clearance (mm)         410           Wheelbase (mm)         3182           Steering angle (°)         ± 12           Min. turning outside diameter (mm)         12350           Tires         23.1-26-12PR           Brand         DONGFENIG CUMMINS           Model         QSB5.9-C180-33           Emission         China III           Rated power (kW)         133           Battery (V×Ah)         24×120           Capacity         Fuel tank (L)         300	Weight and load	Operating weight (kg)	18000		
Weight at rear axie (kg)   5600		Weight at drum (kg)	12400		
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     O-4     O-5.5     Travel speed (km/h)   0-6     O-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     Brand   DONGFENG CUMMINIS     Model   QSB5.9-C180-33     Emission   China III     Rated power (kW)   133     Battery (V×Ah)   24×120     Fuel tank (L)   300		Weight at rear axle (kg)	5600		
Nominal amplitude (mm)   2.0/1.0		Drum static linear load (N/cm)	582		
Compaction         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           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           Brand         DONGFENG CUMMINS           Model         QSB5.9–C180–33           Emission         China III           Rated power (kW)         133           Battery (V×Ah)         24×120           Fuel tank (L)         300		Vibration frequency (Hz)	29/35		
Drum diameter (mm)   1600		Nominal amplitude (mm)	2.0/1.0		
Drum diameter (mm)   1600	0	Centrifugal force (kN)	380/275		
Drum edge thickness (mm)   40	Compaction	Drum diameter (mm)	1600		
Travel speed (km/h)		Drum width (mm)	2130		
Travel speed (km/h)		Drum edge thickness (mm)	40		
Travel speed (km/h)			0~4		
O-6		Travel and add (long (la))	0~5.5		
Maneuver ability   A5%		rravei speed (km/n)	0~6		
Maneuver ability   Ground clearance (mm)   410			0~8		
Wheelbase (mm)   3182		Gradeability	45%		
Steering angle (° )	Maneuver ability	Ground clearance (mm)	410		
Swing angle (° )		Wheelbase (mm)	3182		
Min. turning outside diameter (mm)         12350           Tires         23.1-26-12PR           Brand         DONGFENG CUMMINS           Model         QSB5.9-C180-33           Emission         China Ⅲ           Rated power (kW)         133           Battery (V×Ah)         24×120           Capacity         Fuel tank (L)         300		Steering angle (°)	±35		
Engine         23.1-26-12PR           Brand         DONGFENG CUMMINS           Model         QSB5.9-C180-33           Emission         China III           Rated power (kW)         133           Battery (V×Ah)         24×120           Capacity         Fuel tank (L)         300		Swing angle (°)	± 12		
Engine         Brand         DONGFENG CUMMINS           Model         QSB5.9-C180-33           Emission         China III           Rated power (kW)         133           Battery (V × Ah)         24 × 120           Capacity         Fuel tank (L)         300		Min. turning outside diameter (mm)	12350		
Engine         Model         QSB5.9-C180-33           Emission         China III           Rated power (kW)         133           Battery (V×Ah)         24×120           Capacity         Fuel tank (L)         300		Tires	23.1-26-12PR		
Engine         Emission         China Ⅲ           Rated power (kW)         133           Battery (V×Ah)         24×120           Capacity         Fuel tank (L)         300		Brand	DONGFENG CUMMINS		
Emission         China Ⅲ           Rated power (kW)         133           Battery (V×Ah)         24×120           Capacity         Fuel tank (L)         300	Fasino	Model	QSB5.9-C180-33		
Battery (V × Ah)         24 × 120           Capacity         Fuel tank (L)         300	Engine	Emission	China Ⅲ		
Capacity Fuel tank (L) 300		Rated power (kW)	133		
	Capacity	Battery (V×Ah)	24×120		
		Fuel tank (L)	300		
Hydraulic oil tank (L) 150		Hydraulic oil tank (L)	150		

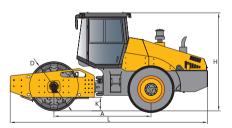
## **Standard configurations**

Config.	Systems	Description	Qty	De	tails	Remarks
Standard confi.	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+Air Con	
Optional confi.	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**

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





#### SANY HEAVY INDUSTRY CO., LTD.

SANY Industrial Park, Economic and Technological Development Zone, Changsha, Hunan, China, 410100
Sales Hotline
Tel: 0.0087-731-85835199
Tel: 0.0087-308-4005008318
Mail: sales@sanyglobal.com
Mail: CRD@sany.com.cn