

SR18(SR19P) Vibratory Roller

Engine model: Cummins 6BT5.9-C132

Rated power: 132 kw

Operating weight: 18 t



SHANTUI

SHANTUI SR18(SR19P)



FEACTURES

1. Fully hydraulic transmission, four stage stepless speed variation
2. Hydraulic drive, vibration and steering
3. Double-amplitude and bifrequency, closed hydraulic vibration system and flexible articulated hydraulic steering
4. Proprietary technology of centralized manometry and being dragged in short distance.
5. One control level for transmission and steering, with flexible and convenient operation and reliable function.
6. Main hydraulic parts are world-famous brand parts, i.e pumps, motors and driving axles, vibratory bearing, piping and connection parts.
7. Spacious and comfortable cabin with air-conditioner



SPECIFICATION

Specification		SR18	SR19P
Opearting weight(kg)		18050	19000
Opearting weight distribution(kg)	Front axle	11350	12300
	Rear axle	6700	6700
Front axle diameter(mm)		1550	1740
Compacting width(mm)		2140	
Exciting force(KN)		340/220	
Vibratory frequency(Hz)		29/33	
Theoretic amplitude(mm)		1.8/0.95	1.6/0.8
Min turning radius(m)		11.6	11.6
Grade ability(%)		45	
Steady load(N/cm)		530	554
Min ground clearance(mm)		395	
Wheel base(mm)		3050	3150
Turning angle(°)		± 38	
Swing angle(°)		± 12	
Pad height(mm)		100	
Pad number		154	



ENGINE

Model	Cummins6BTA5.9-C132
Turbocharged,water cooled,in-line,4-stroke	
Rated power(kw)	132
Rated revolution(rpm)	2500
Cylinder number-bore × stroke(mm)	6-120 × 102
Piston displacement(L)	5.9
Min fuel consumption(g/kw.h)	215
Max. torque(N.m/rpm)	610/1500-1600



TRAVEL SPEED

Gear	1st	2nd	3rd	4th
Foward(km/h)	0-5.6	0-7.1	0-8.7	0-13.5
Reverse(km/h)	0-5.6	0-7.1	0-8.7	0-13.5



POWER TRANSMISSION SYSTEM

- 1) Transmission system adopting hydraulic double drive to be four stage stepless speed variation. Electrohydraulic controlling for forward, reverse and transmission improves the controlling system more reliable and more simply, and eases the drivers labor intensity.
- 2) Steering system: Flexible articulated hydraulic steering
- 3) Brake system: 3 stage brake system, Service brake , parking brake and Emergency brake., assuring the braking system safety and reliability.
- 4) Vibratory drum the new structure owned by Shantui proprietary technology. Special lubrication system in vibration housing to lubricate the vibratory bearing, which is imported one with large bearing capacity, high ultimate revolution and long life.

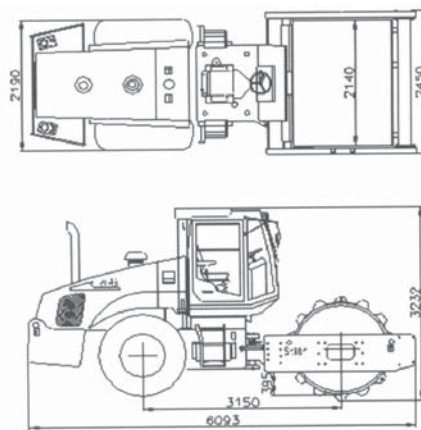


HYDRAULIC SYSTEM

Max.oil pressure of vibratory system(Mpa)	35
Max.oil pressure of steering system(Mpa)	14
Max.oil pressure of driving system(Mpa)	40



OVERALL DIMENSIONS



Note: Materials and specifications are subject to change without notice.

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