

FULL-HYDRAULIC VIBRATORY ROLLER

SR20-3/SR20P-3

More weight, more vibration force when the going gets tough

- ▶ Engine model: Shangchai SC8D190.G2
- ▶ Rated power: 140 kW/2200 rpm
- ▶ Operating weight: 19.535 t/20.61 t

Product features

The SR20-3 is a super heavy class roller that is a self-propelled, fully hydraulic, vibratory roller. It features full hydraulic double drive, three-gear CVT, hydraulic vibration and steering, double frequency and amplitude. The roller can compact various building and road-building materials by using its dead weight and the exciting force, for good compaction effect, deep compaction and high efficiency. The SR20-3 model is mainly applicable to the compaction of base layers, sub-base layers and fills of various non-viscous materials, such as gravel, crushed stone, sand and gravel mixture, sandy soil and rock. It is the ideal compaction equipment for construction of high-grade highways, railways, airports, ports, dams and large-scale industrial sites.

With 154-knob 95 mm 'sheep's foot' rollers added to the SR20-3, this 20,610 kg SR20P-3 is ready to take on the toughest roadwork.



SR20-3 ▲



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SHANTUI

VALUE THAT WORKS

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SR20-3/SR20P-3

Technical specifications:

Overall length: 6232 mm


Minimum turning radius: 6100 mm


Overall width: 2422 mm


Steering angle (Grad): $\pm 35^\circ$


Overall height: 3372 mm


Oscillating angle (Grad): $\pm 10^\circ$

	WEIGHT AND DIMENSIONS	MODEL:		SR20-3	SR20P-3	
		Weights	Operating weight	19535 kg	20610 kg	
			Axle load, drum	12713 kg	12713 kg	
			Axle load, wheel	6822 kg	7897 kg	
			Static linear load (at drum)	595 N/cm	595 N/cm	
		Drum and tires	Maximum working width	2140 mm		
			Drum diameter	1550 mm	1752 mm	
Drum shell thickness	40 mm					
Number of padfeet	—		154			
Height of the padfoot	—		95 mm			
Tire size	23.1-26-12PR	23.1-26-12PR				

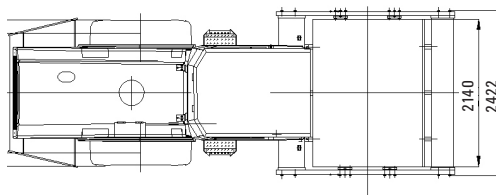
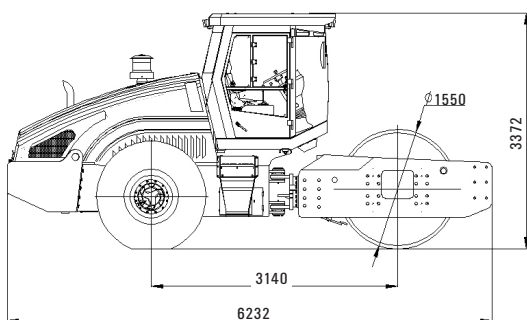
	VIBRATORY SYSTEM	Frequency	High amplitude	28 Hz	
			Low amplitude	33 Hz	
		Nominal amplitude	High	1.86 mm	1.59 mm
			Low	0.93 mm	0.79 mm
		Centrifugal force	Maximum	370 kN	
Minimum	255 kN				

	DRIVE TRAIN	Forward speed	I	0~5.2 km/h	
			II	0~7.2 km/h	
			III	0~12.7 km/h	
			IV	—	
		Reverse speed	I	0~5.2 km/h	
			II	0~7.2 km/h	
			III	0~12.7 km/h	
			IV	—	
Maximum climbing ability		48%			
Drive system		Hydrostatic			

	POWER TRAIN	Make & model	Shangchai SC8D190.G2	
		Type	Turbocharged	
		Fuel	Diesel	
		Fuel capacity	300 L	
		Cool	Water	
		Number of cylinders	6	
		Rated power	140 kW	
		Rated speed	2200 rpm	

	CABIN & CONTROLS	Electrical system	DC, negative ground	24 V	
			Alternator	28 V, 70 A	
		Brakes	Service brake	Hydrostatic	
		Steering	Steering system	Oscillating, articulating	
Steering method	Hydrostatic				

OVERALL DIMENSIONS



▶ THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. THE PICTURES MAY INCLUDE OPTIONS. THE ACTUAL COLOR & APPEARANCE OF THE PRODUCT MAY DIFFER FROM WHAT IS SHOWN.