

FULL-HYDRAULIC VIBRATORY ROLLER

SR20-3/SR20P-3

More weight, more vibration force when the going gets tough

- ▶ Engine model: Shangchai SC8DK190.G3
- ▶ Rated power: 140 kW/2200 rpm
- ▶ Operating weight: 19.83 t/20.98 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 20,980 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): ±35°

Overall height: 3372 mm

Oscillating angle (Grad): ±10°

SR20-3/SR20P-3

WEIGHT AND DIMENSIONS	MODEL:	SR20-3	SR20P-3
	Weights	Operating weight	19830 kg
Axle load, drum		12630 kg	13780 kg
Axle load, wheel		-	-
Static linear load (at drum)		590/631 N/cm	590/631 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

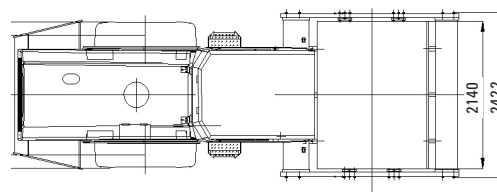
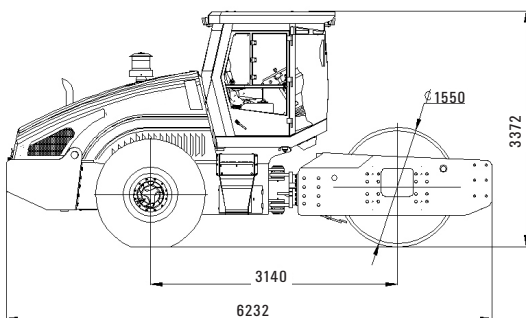
VIBRATORY SYSTEM	Frequency	High amplitude	28 Hz	
		Low amplitude	33 Hz	
	Nominal amplitude	High	1.86 mm	1.59 mm
		Low	0.93 mm	0.79 mm
Centrifugal force	Maximum	370 kN		
	Minimum	255 kN		

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	Shanghai 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.