

FULL-HYDRAULIC VIBRATORY ROLLER

## SR12-5/SR12P-5

Middle-layer compacting road roller with Dana drive system

- ▶ Engine model: Weichai Deutz WP6G140E22
- ▶ Rated power: 105 kW/2200 rpm
- ▶ Operating weight: 12.0 t/13.1 t

### Product features

This is a muscular, single-drum roller primarily employed for compacting middle layers. It features a Dana drive system and hydraulic clutch actuating system for clutch disengagement, and is powered by a Weichai Deutz (WP6G140E22) engine. The 12-5 is among Shantui's best-selling products at home and abroad.

SR12P-5 features the Dana hydraulic clutch actuating system for clutch disengagement and knobbed 95 mm 'sheep's foot' wheels.



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FULL-HYDRAULIC VIBRATORY ROLLER

# SR12-5/SR12P-5

Technical specifications:

Overall length: 6021 mm

Minimum turning radius: 5500 mm

Overall width: 2305 mm

Steering angle (Grad): ±36°

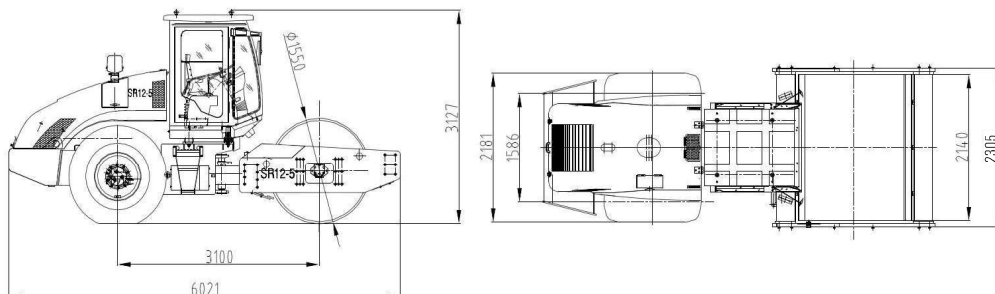
Overall height: 3127 mm

Oscillating angle (Grad): ±12°

SR12-5/SR12P-5

MODEL:	SR12-5		SR12P-5	
	Weights	Operating weight	12000 kg	13150 kg
Drum and tires	Axle load, drum	6800 kg	79500 kg	
	Axle load, wheel	5200 kg	5200 kg	
	Static linear load (at drum)	317 N/cm	371 N/cm	
	Maximum working width	2140 mm		
	Drum diameter	1550 mm	1752 mm	
	Drum shell thickness	30 mm		
	Number of padfeet	–	154	
Height of the padfoot	–	95 mm		
Tire size	23.1-26-8PR	23.1-26-8PR		
VIBRATORY SYSTEM	Frequency	High amplitude	30 Hz	
		Low amplitude	33 Hz	
	Nominal amplitude	High	1.8 mm	1.4 mm
		Low	1.0 mm	0.78 mm
Centrifugal force	Maximum	270 kN		
	Minimum	180 kN		
DRIVE TRAIN	Forward speed	I	0~5.3 km/h	
		II	0~9.9 km/h	
		III	–	
		IV	–	
	Reverse speed	I	0~5.3 km/h	
		II	0~9.9 km/h	
III		–		
IV		–		
Maximum climbing ability	48%			
Drive system	Hydrostatic			
POWER TRAIN	Make & model	Weichai Deutz WP6G140E22		
	Type	Turbocharged		
	Fuel	Diesel		
	Fuel capacity	240 L		
	Cool	Water		
	Number of cylinders	6		
	Rated power	105 kW		
	Rated speed	2200 rpm		
CABIN & CONTROLS	Electrical system	DC, negative ground	24 V	
		Alternator	28 V, 55 A	
		Batteries	–	
	Brakes	Service brake	Hydrostatic	
		Parking brake	Spring-loaded/mechanical	
	Steering	Steering system	Oscillating, articulating	
Steering method		Hydrostatic		

OVERALL DIMENSIONS



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