

MECHANICAL VIBRATORY ROLLER

**SR20MA/SR20MPA**

More weight, more vibration force when the going gets tough

- ▶ Engine model: Shangchai SC8D175
- ▶ Rated power: 128 kW/2000 rpm
- ▶ Operating weight: 20 t/20.8 t

**Product features**

This heavy-duty mechanical single-drum roller features a mechanical drive, mechanical flexible controlled power shift transmission, hydraulic vibration and steering plus dual frequency, double vibration amplitude, gas pipeline control, flexible break and clutch operation and single-lever gear shift and drive operations. The super-heavy 20-ton SR20MA has the weight and muscle to get the job done. Powered by a Shangchai SC8D175 engine.

With a 154-knob 95 mm 'sheep's foot' roller added to the SR20MA, this over 20-ton SR20MPA is ready to take on the toughest roadwork.



SR20MA ▲



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# SHANTUI

VALUE THAT WORKS

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# MECHANICAL VIBRATORY ROLLER

# SR20MA/SR20MPA

## Technical specifications:

Overall length: 6229 mm

Minimum turning radius: 6100 mm

Overall width: 2345 mm

Steering angle (Grad): ±35°

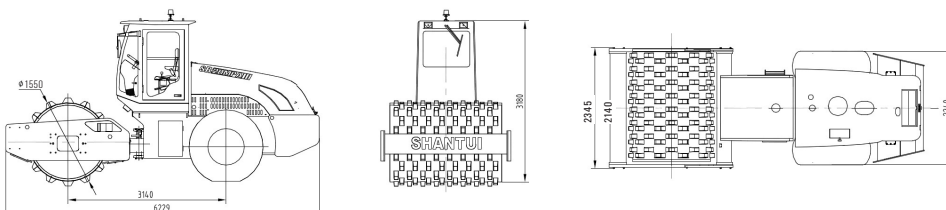
Overall height: 3180 mm

Oscillating angle (Grad): ±12°

SR20MA/SR20MPA

MODEL:	SR20MA		SR20MPA		
	Operating weight	20000 kg		20800 kg	
Weights	Axle load, drum	10000 kg		10800 kg	
	Axle load, wheel	10000 kg		10000 kg	
	Static linear load (at drum)	463 N/cm		502 N/cm	
	Maximum working width	2140 mm			
Drum and tires	Drum diameter	1550 mm	1750 mm		
	Drum shell thickness	40 mm			
	Number of padfeet	-	154		
	Height of the padfoot	-	95 mm		
	Tire size	20.5-25-16PR		20.5-25-16PR	
VIBRATORY SYSTEM	Frequency	High amplitude	28 Hz		
		Low amplitude	32 Hz		
	Nominal amplitude	High	2.0 mm	1.6 mm	
		Low	1.0 mm	0.8 mm	
	Centrifugal force	Maximum	355 kN		
		Minimum	210 kN		
DRIVE TRAIN	Forward speed	I	2.84 km/h		
		II	5.58 km/h		
		III	9.1 km/h		
		IV	-		
	Reverse speed	I	2.84 km/h		
		II	5.58 km/h		
		III	9.1 km/h		
		IV	-		
Maximum climbing ability	30%				
Drive system	Mechanical				
POWER TRAIN	Make & model	Shanghai SC8D175			
	Type	Turbocharged			
	Fuel	Diesel			
	Fuel capacity	306 L			
	Cool	Water			
	Number of cylinders	6			
	Rated power	128 kW			
	Rated speed	2000 rpm			
CABIN & CONTROLS	Electrical system	DC, negative ground	24 V		
		Alternator	28 V, 55 A		
		Batteries	-		
	Brakes	Service brake	Pressurized air braking		
		Parking brake	Spring-loaded/mechanical		
	Steering	Steering system	Oscillating, articulating		
Steering method		Hydrostatic			

## OVERALL DIMENSIONS



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