

MECHANICAL VIBRATORY ROLLER

SR20M/SR20MP

More weight, more vibration force when the going gets tough

- ▶ Engine model: Shangchai SC8D175.1G2B1
- ▶ Rated power: 128 kW/2000 rpm
- ▶ Operating weight: 20.0 t/20.3

Product features

This heavy duty mechanical single-drum roller features a mechanical drive, electronically 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 SR20M has the weight and muscle to get the job done. Powered by a Shangchai SC8D175.1G2B1 engine.

With 154-knob 95 mm 'sheep's foot' rollers added to the SR20M, this 20.3-ton SR20MP is ready to take on the toughest roadwork.



SR20MP ▲



SR20M ▲



SHANTUI

VALUE THAT WORKS

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MECHANICAL VIBRATORY ROLLER SR20M/SR20MP

Technical specifications:

Overall length: 6150 mm

Minimum turning radius: 6100 mm

Overall width: 2382 mm

Steering angle (Grad): $\pm 36^\circ$

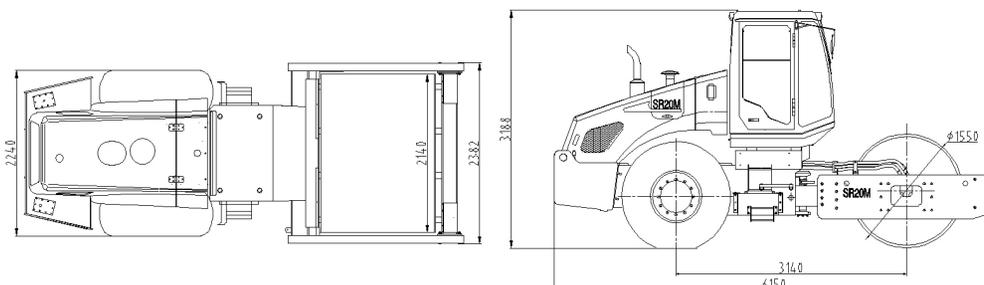
Overall height: 3188 mm

Oscillating angle (Grad): $\pm 12^\circ$

SR20M/SR20MP

WEIGHT AND DIMENSIONS	MODEL:	SR20M	SR20MP	
		Weights	Operating weight	20000 kg
Axle load, drum			9900 kg	10700 kg
Axle load, wheel			10100 kg	9600 kg
Static linear load (at drum)			463 N/cm	486 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	23.1-26-14PR	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	2.55 km/h	
		II	5.03 km/h	
		III	8.3 km/h	
		IV	-	
	Reverse speed	I	2.55 km/h	
		II	5.03 km/h	
		III	8.3 km/h	
		IV	-	
Maximum climbing ability	30%			
Drive system	Mechanical			
POWER TRAIN	Make & model	Shangchai SC8D175.1G2B1		
	Type	Turbocharged		
	Fuel	Diesel		
	Fuel capacity	300 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	
		Parking brake	Spring-loaded/mechanical	
	Steering	Steering system	Oscillating, articulating	
Steering method		Hydrostatic		

OVERALL DIMENSIONS



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