14-Ton Single Drum Mechanical Vibratory Roller

This 14-ton single drum vibratory roller features a unique drum structure for enhanced rigidity. The bearing adopts a short cylindrical design, offering a high rotary speed limit and strong bearing capacity.

ADDITIONAL IMAGES

Overview

Heavy-Duty Compaction Performance

This 14-ton single drum mechanical vibratory roller is engineered for high-performance soil and rock fill compaction. Designed for versatility, it is an ideal solution for modern infrastructure projects including freeways, airports, dams, and railways. The unit combines a robust mechanical drive system with a reliable hydraulic vibratory system to ensure efficient, high-quality compaction across diverse job sites.

Key Performance Metrics

Operating Weight

14000 kg	2130 mm	30 %
Operating Weight	Compacting Width	Theoretical Gradeability

Technical Specifications

Mass Distribution

Component	Mass
Driving Wheel	7300
Vibrating Drum	6700

Vibration System

- Frequency: 28/33 Hz
- Theoretical Amplitude: 1.9/0.95 mm
- Centrifugal Force: 274/137 kN
- Static Linear Load: 315 N/cm

Engine & Power

Engine Specifications

- Model: SC4H140.1G2
- Rated Power: 103 kW
- Rated Speed: 1800 r/min
- Water-cooled, low noise design

Operational Features

Cabin & Control Features	Spacious Cab, Wide View, Humanity Instrument Panel, Synchronizer Gearbox, Anti-slip Drive Axle
Maintenance Design	Yes