



XCMG For Your Success

XS143J

SINGLE DRUM VIBRATORY ROLLER

产品简介 / Introduction

The XS143J vibratory roller is a heavy self-propelled vibratory roller. It can effectively compact a variety of soil courses and gravel fill. It is used for modern highways, airports, earthwork fill, ports, dykes, railways, mines, and other engineering projects which require deep compaction and high efficiency.

性能特点 / Features

Comfortable Cab

The spacious, bright cab has a wide visual field, and is comfortable and cozy.



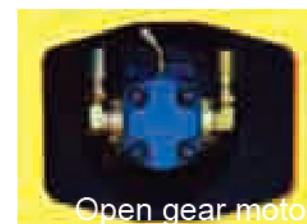
Easy Operation

The combination instruments are rationally-arranged on the panel, making operation immediately understandable. It uses a synchronized transmission to save energy when operating. The roller has a specialized drive axle, for strong towing capacity.



Reliable, Durable Hydraulic System

Comes equipped with a standard imported open gear pump, which has long service life, stable vibration on/off functions, and provides high-quality compaction.



Open gear motor

Energy-efficient, Environmentally-friendly Engine

The SDEC water-cooled engine is extremely quiet and conforms to China II emission standards. Maintenance-free battery can still start-up and work easily, even in cold temperatures.



Optional Additions

Optional additions include an integrated convex block drum, split convex block drum, and air-conditioned cab.



Convex drum

Efficient, Reliable Vibratory Compaction System

The one-of-a-kind cylindrical structure features great rigidity and strength. The short, cylindrical bearing has a high limit speed and powerful bearing capacity. Left/right vibration chambers are symmetrical, to avoid the drum vibrating more on one side. When the roller rolls, the vibratory bearing is lubricated, with a simple, easy lubrication system that has an extremely low malfunction rate. CNC cutting and shaping, CNC roll bending, a CNC roll bender, and CNC horizontal machining center have been used to ensure the manufacturing precision of the entire machine.

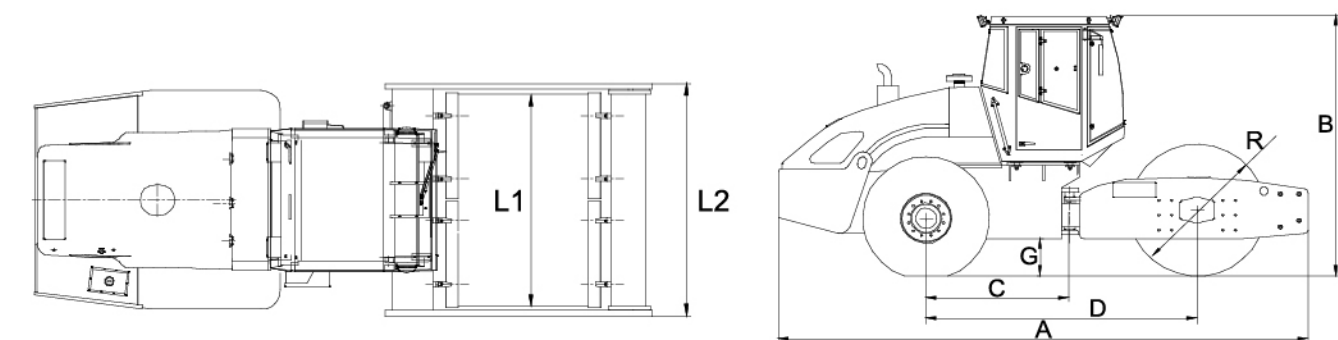


Easy Repair and Maintenance

The engine hood is easy to open, and opens at a wide angle, giving more room for repairs. The engine's high-mounted air intake extends the time needed between air filter maintenance.



外形尺寸 / Outline Dimensions (mm)



Model	L	W	H	A	B	α
XS143J	6010	2300	3200	3040	431	33°

主要技术参数 / Main Specifications

Item			Unit	XS143J
Work quality			kg	14000
Drive wheel distribution quality			kg	7300
Vibratory drum distribution quality			kg	6700
Static line load			N/cm	315
Vibration frequency			Hz	28
Theoretical amplitude			mm	1.9/0.95
Exciting force			kN	274/137
Speed range	Forward	I	km/h	2.85
		II		5.08
		III		11.17
	Reverse	I		2.88
		II		5.02
Wheelbase			mm	3040
Compaction spread			mm	2130
Theoretical gradeability			%	30
Min. turning radius			mm	6800
Vibratory diameter			mm	1523
Min. ground clearance			mm	431
Engine	Model			SC4H140.1G2
	Rated rotating speed		r/min	1800
	Rated power		kW	103
Outline dimensions (Lx W x H)			mm	6010×2300×3200
Vibratory system pressure			MPa	16
Steering system pressure			MPa	16