

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

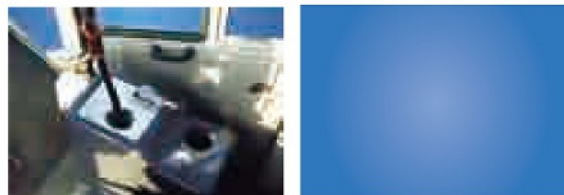
Comfortable Cab

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



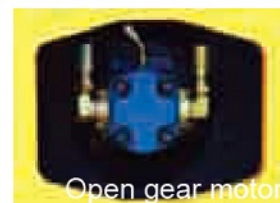
Easy Operation

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.

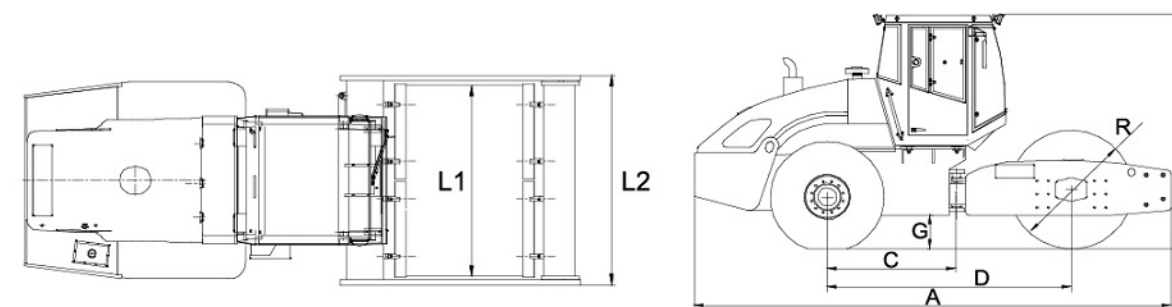


Easy Repair and Maintenance

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	2.85
		II	5.08
		III	11.17
	Reverse	I	2.88
		II	5.02
		III	11.17
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 (LxWxH)	mm	6010x2300x3200	
Vibratory system pressure	MPa	16	
Steering system pressure	MPa	16	