



XS143J



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Single Drum Vibratory Roller

XS143J is suitable to the compaction operation of pebbles, sandy soils, moraine soil, blasting rock and clayey soil, as well as the compaction of concrete and stabilized soil base materials in various large projects. It is the ideal compaction equipment for the construction of high-grade highways, airports, harbors, dams and industrial construction sites.

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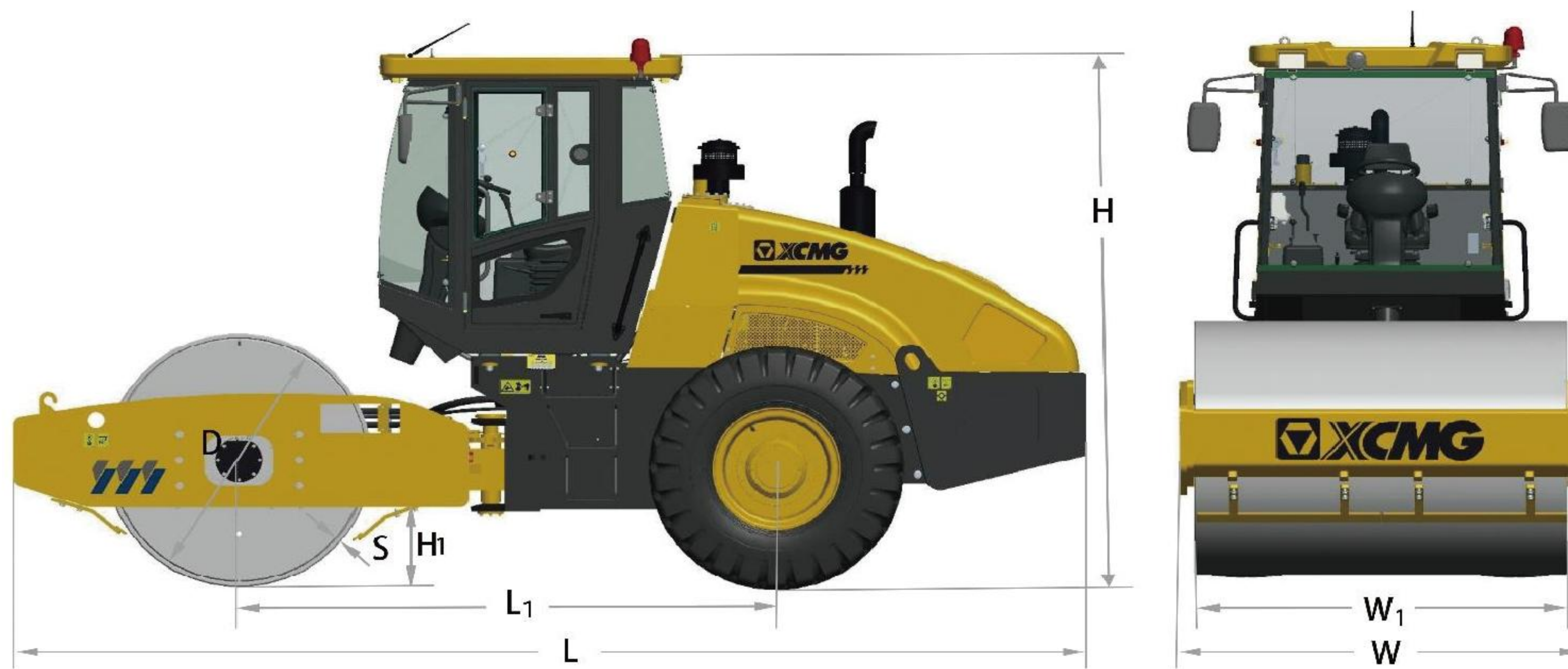
Performance and characteristics

- Overall parameters reasonably matched and optimized, low-speed engine and hydraulic damping control technology contributes to significant reduced consumptions and emissions;
- Centered static and dynamic forces and optimized transmission system effectively improves compaction performance and efficiency;
- XCMG exclusive open loop two-frequency vibration system enables wide-ranging applications;
- Container transportable;
- Detachable cabin with ROPS, safe and reliable, easy to disassemble and assemble.

Main dimensions

Unit: mm

Model	L	L1	W	W1	H	H1	S	D
XS143J	6150	3040	2300	2130	3200	431	30	1523



Main specifications

Item	Content	Unit	XS143J
Weights	Operating weight	kg	14000
	Maximum operating weight	kg	14420
	Front axle weight	kg	7300
	Rear axle weight	kg	6700
	Static linear load	N/cm	315
Maneuverability	Working speed(F/R)	km/h	2.85/5.08/11.172.88/5.02
	Gradeability	%	30
	Minimum turning radius(outer)	mm	6800
	Minimum ground clearance	mm	431
	Wheel base	mm	3040
	Steering angle	°	33
	Oscillation angle	°	11
Compaction parameters	Vibration frequency	Hz	28/33
	Nominal amplitude	mm	1.9/0.95
	Excitation force (high/low frequency)	kN	274/190
	Drum diameter	mm	1523
	Drum width	mm	2130
Engine	Model	-	SC4H140.1G2
	Emission	-	China stage II
	Rated power	kW	103
	Rated speed	r/min	1800
Tire	Spec.	-	20.5-25-16PR
	Ply rating	-	16
	Air pressure	kPa	350
Capacities	Fuel tank	L	310
	Urea tank	L	/