

XS163H



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VIBRATORY ROLLER

XS163H vibratory roller is the heavy-duty self-propelled vibratory roller developed by our company in order to meet the requirements of market competition and urgent demands of users, featuring high cost performance and strong market impact force. This product has a very high static line load and exciting force and is suitable to the compaction operation of pebbles, sandy soils, moraine soil, blasting rock and clayey soil, etc, and also suitable to the compaction of concrete and stabilized soil base materials in various large projects, with the maximum working depth up to 1.0m and above. Thus, it is a kind of important compaction equipment in the construction of large projects such as the expressway, railway, mine, port, etc.

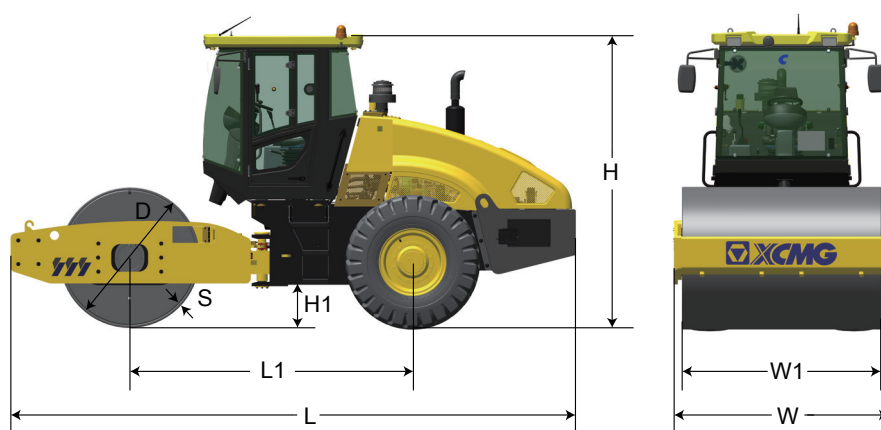
Performance and characteristics

- Shanghai H-series, water-cooling, four-cylinder four-stroke, direct injection turbo charged and air-air intercooling low-speed diesel engine features high power reserve, energy saving and noise reduction. The transfer case directly supplied by the engine manufacturer drives the hydraulic pump directly to reduce the use of mechanical transmission parts and failure possibilities. Engine fulfills the requirements of China stage II emission standards.
- Heavy duty drive axle ensures that the road roller can provide required maximum traction force under different working conditions.
- Optimized vibration drum structure and vibration parameters to guarantee smoother pavement surface and higher compaction efficiency.
- Full-hydraulic articulated steering system improves the steering operation convenience and flexibility. The cross-shaped articulation mode guarantees enough steering angle and swinging angle.
- Adopt the streamlined model, beautiful & elegant driving cabin and broad vision, so the driver can directly observe the objects more than 2 meters from the frame.
- Instrument box and operation space is designed in accordance with ergonomics to maximally reduce the work load of operators. Anti-skid ladder allows the driver go up and down the equipment freely.

Dimension in working configuration

Unit: mm

Model	L	L1	W	W1	H	H1	S	D
XS163H	6150	3040	2300	2130	3200	431	36	1523



Main specifications

Item		Unit	XS163H
Weight Parameters	Operating Weight	kg	16000
	Rear Axle Weight	kg	8000
	Front Axle Weight	kg	8000
	Static Linear Load	N/cm	362
Mobility	Operating Speed	Km/h	0 - 7.3
	Theoretical Gradeability	%	30
	Minimum Turning Radius	mm	6800
	Minimum Ground Clearance	mm	431
	Wheel Base	mm	3040
Compaction Parameters	Vibration Frequency	Hz	28/33
	Theoretical Amplitude	mm	1.9/0.95
	Centrifugal Force	kN	290/200
	Drum Diameter	mm	1523
	Working Width	mm	2130
Hydraulic System	Pressure of Vibration System	MPa	18
	Pressure of Steering System	MPa	16
Engine	Model	-	SC7H150G2B
	Rated Power	kW	110
	Rated Speed	r/min	2200

Notes:

Specifications and configurations may vary depending on options and regional regulations. XCMG reserves the right to make changes to specifications without prior notice.



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