

# XS143/XS143PD



## XS143/XS143PD

Single Drum Vibratory Roller

XS143/XS143PD is a kind of medium vibratory roller, mainly applicable for compacting operation of base layer, sub-base layer of different materials, and filling engineering. It is an ideal choice for constructing high grade highway, airport, port, dam and industrial construction sites. This machine adopts the high power Dongfeng Cummins engine, XCMG special drive axle for road roller and its hydraulic drive system can better meet the construction requirements of all regions.

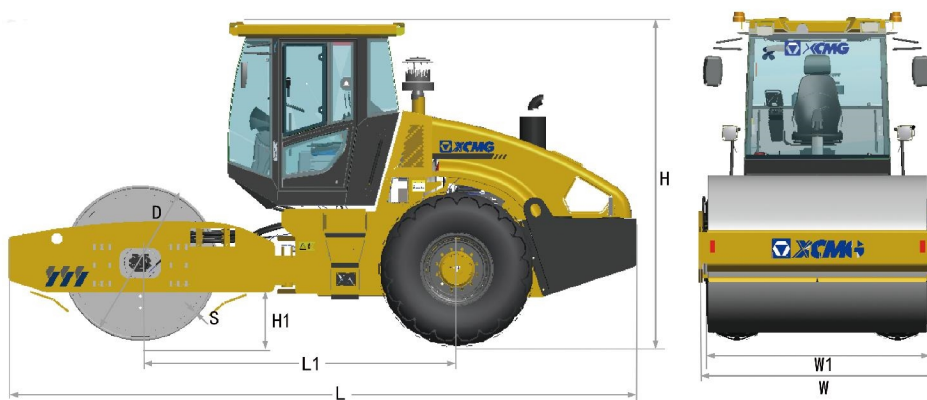
## Performance and characteristics

- KFR Air conditioner improves operation comfort.
- Cylinder-type four-support long-life drum, exclusive drum surface hardening processing, 10,000 hours lifetime expected under standard working conditions.
- Centered static and dynamic forces for state-of-the-art compaction homogeneity — less than 5%.
- The infinitely variable speeds function guarantees optimum work speeds under diversified working conditions.

## Main dimensions

Unit: mm

Model	L	L1	W	W1	H	H1	S	D
XS143	6200	3098	2300	2130	3200	425	30	1523
XS143PD	6200	3098	2300	2130	3200	544	30	1523



## Main specifications

Item	Content	Unit	XS143/XS143PD
<b>Weights</b>	Operating weight	kg	14000/15000
	Maximum operating weight	kg	14000/15000
	Front axle weight	kg	8000/9000
	Rear axle weight	kg	6000
	Static linear load	N/cm	368/*
<b>Maneuverability</b>	Working speed(F/R)	km/h	0~5.3/0~10.8
	Gradeability	%	40
	Minimum turning radius(outer)	mm	6415
	Minimum ground clearance	mm	425
	Wheel base	mm	3100
	Steering angle	°	±33
	Oscillation angle	°	±10
<b>Compaction</b>	Vibration frequency	Hz	30
	Nominal amplitude	mm	1.86/0.88
	Excitation force (high/low frequency)	kN	305/150
	Drum diameter	mm	1523/1723
	Drum width	mm	2130
<b>Engine</b>	Model	-	6BTAA5.9-C170
	Emission	-	China stage II
	Rated power	kW	125
	Rated speed	r/min	2200
<b>Tire</b>	Spec.	-	23.1-26-12G23TL
	Ply rating	-	12
	Air pressure	kPa	200
<b>Capacities</b>	Fuel tank	L	240
	Urea tank	L	/