

Vibratory Roller XS125/XS125PD XS165/XS165PD



EU STAGE V/TIER 4F



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INTRODUCTION OF XCMG

XCMG, as a leading enterprise valued of 100 billion RMB, with the largest scale, the best technology level, the largest export volume, and high competitiveness and influence in China's construction machinery industry, has been occupying the first place in China's construction machinery industry for decades, and it now ranks the third in the world industry and the 395th among the world's top 500 brands.

The main products by XCMG consists of 16 categories of equipment such as hoisting machinery, excavation machinery, concrete machinery, mining machinery, earth-moving machinery and road machinery, etc., as well as three categories of key components such as hydraulic system, transmission system and electric control system. Among above-mentioned, hoisting machinery ranks first in the world, and package solution of road construction and maintenance machinery, piling machinery and concrete machinery are among the first-class bloc in the world.

XCMG has accumulated more than 8000 approved patents, including more than 1900 invention patents and more than 130 PCT international patents. Entities of R&D centers, manufacturing plants or KD factories are in operation in more than 10 countries such as Germany, the United States, Brazil and India, XCMG has also acquired three European enterprises including Schwing in Germany. The Brazil manufacturing plant, with an investment of 350 million dollars to build up factories on a bare ground, has become a model of economic cooperation between China and Brazil. At present, XCMG products are exported to 187 countries and regions, covering 97% of the countries along "The Belt and Road" area. In export business to 35 countries, XCMG's proportion ranks NO. 1, with a steady first place within Chinese industry in terms of annual export volume and overseas income.

Highlights of XS125/XS125PD/XS165/XS165PD

XS125/XS125PD/XS165/XS165PD is a heavy-type, self-propelled full hydraulic dual drive single drum vibratory roller. This product fulfills the requirements of the EPA TIER4f emission standards. Featuring high excitation force, high compaction efficiency and good compaction quality, it is widely used in compaction work on base layer, sub-base layer and rock fill for roads, railways, airports, harbors, dams, and industrial construction sites.



Highlights at a glance

Quiet driving environment

- 2 > Proactive noise reduction ANC(anti noise control) technology
- > Variable speed intelligent temperature control system

Excellent driving visibility

- 3 > Super large curved glass
- > Narrow-waist design to provide good work visibility

Efficient and reliable working device

- 1 > Two frequencies and two amplitudes, suitable for compaction of different materials
- > Large excitation force, deeper compaction depth
- > No-impact vibration start + long-life vibration drum, higher reliability of the working device

High traction ability

- 4 > X-ASC(anti slip control) electric proportional anti-slip control enables up to 60% theoretical climbing ability.

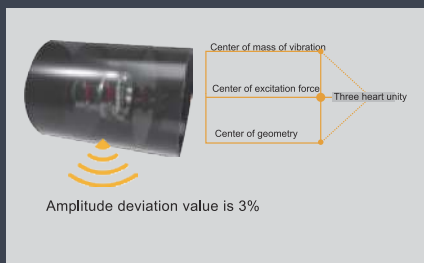


Compaction capacity

> Two frequencies and two amplitudes, suitable for compaction of different materials;



> Large excitation force, deeper compaction depth;

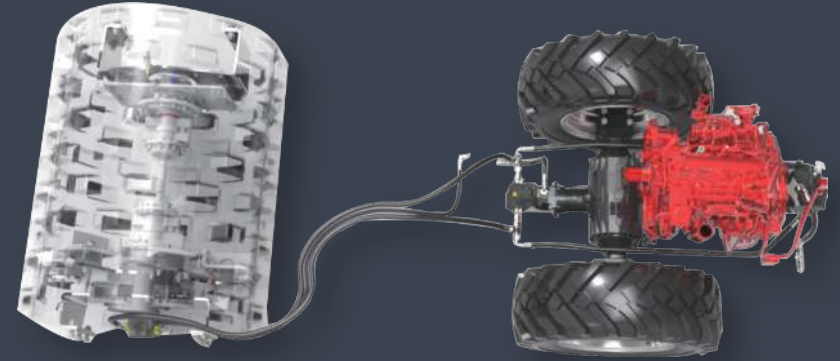


> The "three center coincidence" of the working device and the amplitude uniformity control technology essentially guarantee the compaction quality and improve the efficiency of dynamic and static compaction.





Driving ability



- > Electric proportional anti-slip control enables up to 60% climbing ability.
- > Front and rear double drive hydraulic system provides greater traction capability.
- > Drive axles with NO-SPIN differential delivers more efficient torque transmission.



Man-machine interaction

- ① > Spacious cabin with ergonomic space arrangement to provide a comfortable driving experience;
- ② > Proactive noise reduction ANC and sealed cabin provides a quiet operating environment;
- ③ > Adjustable steering wheel and seat for operators of different body types.
- ④ > Large curved glass, narrow waist design of rear frame, standard reversing image and radar provides excellent driving visibility;
- ⑤ > Standard heating and cooling air conditioner, three-dimensional air chamber, ensuring balanced internal temperature.
- ⑥ > Cabin with three-dimensional vibration reduction and suspension seat, reduces the impact of vibration compaction on the driver;
- ⑦ > Front warm-air defrosting and rear heated wire windshield provide rapid defrosting and efficient defogging;
- ⑧ > Hand-shape control combined with rotation and sliding elbow rest, which makes the control operation freely.





Operation and maintenance

- > Tilting cabin and 75° large opening engine hood, allow easy access to service parts;
- > Engine filter, oil filter, hydraulic oil filter cartridge and other maintenance parts are within easy reach from the ground.
- > The bearing at the steering cylinder is maintenance-free, saving the maintenance cost.

Easy viewing LCD display and sound-light alarm on dashboard provides timely service information reminder;



Energy conservation

Meet EU Stage V and North American TIER4f emission requirements.

ECO energy-saving control:

- > High vibration mode in the best fuel consumption state;
- > Automatic idling technology;
- > Automatic machine stop after long time idling;
- > Automatic compaction control enables automatic vibration starting speed according to real working conditions.

While reducing the noise, the fuel consumption is reduced by 30%.





Technical Specification

Item	Content	XS115 (Smooth drum)		XS115PD (Welded padfoot drum)		XS115PD II (Padfoot shell)	
Weights	Maximum operating weight	11400kg	25133lb	12250kg	27007lb	12770kg	28153lb
	Operating weight	11000kg	24251lb	11850kg	26125lb	12370kg	27271lb
	Front axle weight	6400kg	14110lb	7250kg	15984lb	7770kg	17130lb
	Rear axle weight	4600kg	10141lb	4600kg	10141lb	4600kg	10141lb
	Static linear load	276N/cm	276N/cm	-	-	-	-
Maneuverability	Operating speed	0-11.00km/h	0-11.00km/h	0-11.85km/h	0-11.85km/h	0-11.85km/h	0-11.85km/h
	Theoretical gradeability	60%	60%	60%	60%	60%	60%
	Minimum turning radius(inner)	3766mm	148in	3766mm	148in	3766mm	148in
	Ground clearance	417mm	16in	523mm	21in	523mm	21in
	Wheel base	3060mm	120in	3060mm	120in	3060mm	120in
	Steering angle	35°	35°	35°	35°	35°	35°
	Oscillation angle	10°	10°	10°	10°	10°	10°
	Braking distance	3.9m	154in	3.9m	154in	3.9m	154in
Compaction	Vibration frequency	30/35Hz	30/35Hz	30/35Hz	30/35	30/35Hz	30/35Hz
	Nominal amplitude	2.0/1.0mm	0.08/0.04in	1.6/0.8mm	0.06/0.03in	1.6/0.8mm	0.06/0.03in
	Exciting force (High/Low frequency)	252/181kN	252/181kN	252/181kN	252/181kN	252/181kN	252/181kN
	Drum diameter	1523mm	60in	1723mm	68in	1735mm	68in
Hydraulic System	Drum width	2130mm	84in	2130mm	84in	2130mm	84in
	Charge pressure of drive system	2.5MPa	25Bar	2.5MPa	25Bar	2.5MPa	25Bar
	Relief pressure of drive system	41MPa	410Bar	41MPa	410Bar	41MPa	410Bar
	Relief pressure of vibration system	32.5MPa	325Bar	32.5MPa	325Bar	32.5MPa	325Bar
Engine	Relief pressure of steering system	16MPa	160Bar	16MPa	160Bar	16MPa	160Bar
	Model	F3.8	F3.8	F3.8	F3.8	F3.8	F3.8
	Type	Turbocharger water-cooled electrical control	Turbocharger water-cooled electrical control	Turbocharger water-cooled electrical control	Turbocharger water-cooled electrical control	Turbocharger water-cooled electrical control	Turbocharger water-cooled electrical control
	Rated power	115kW	154HP	115kW	154HP	115kW	154HP
Tire	Rated speed	2200r/min	2200r/min	2200r/min	2200r/min	2200r/min	2200r/min
	Spec.	23.1-26-12G23TL	23.1-26-12G23TL	23.1-26-12R1TL	23.1-26-12R1TL	23.1-26-12R1TL	23.1-26-12R1TL
	Ply rating	12	12	12	12	12	12
	Air pressure	200kPa	2.0Bar	170kPa	1.7Bar	170kPa	1.7Bar

Item	Content	XS125 (Smooth drum)		XS125PD (Welded padfoot drum)		XS125PD (Assembled padfoot drum)	
Weights	Maximum operating mass	12400kg	27337 lb	13252kg	29216 lb	13770kg	30358 lb
	Operating mass	12000kg	26455 lb	12850kg	28329 lb	13370kg	29476 lb
	Front axle weight	7300kg	16094 lb	8150kg	17968 lb	8670kg	19114 lb
	Rear axle weight	4700kg	10362 lb	4700kg	10362 lb	4700kg	10362 lb
	Static linear load	336N/cm	336N/cm	/	/	/	/
Maneuverability	Operating speed	0-11.00km/h	0-6.84mile/h	0-11.85km/h	0-7.36mile/h	0-11.85km/h	0-7.36mile/h
	Theoretical climbing ability	60%	60%	45%	45%	45%	45%
	Minimum turning radius (inner)	4220mm	148in	4220mm	148in	4220mm	148in
	Minimum ground clearance	417mm	16in	523mm	21in	523mm	21in
	Wheel base	3060mm	120in	3060mm	120in	3060mm	120in
	Steering angle	35°	35°	35°	35°	35°	35°
	Oscillation angle	10°	10°	10°	10°	10°	10°
	Braking distance	3.9m	154in	3.9m	154in	3.9m	154in
Compaction Performance	Vibration frequency	30/35Hz	30/35Hz	30/35Hz	30/35Hz	30/35Hz	30/35Hz
	Nominal amplitude	2.0/1.0mm	0.08/0.04in	1.6/0.8mm	0.06/0.03in	1.6/0.8mm	0.06/0.03in
	Excitation force (High/Low frequency)	252/181kN	57/41kip	252/181kN	57/41kip	252/181kN	57/41kip
	Drum diameter	1523mm	60in	1735mm	68in	1735mm	68in
Engine	Drum width	2130mm	84in	2130mm	84in	2130mm	84in
	Model	F3.8	F3.8	F3.8	F3.8	F3.8	F3.8
	Type	Turbocharged water cooling and electric control	Turbocharged water cooling and electric control	Turbocharged water cooling and electric control	Turbocharged water cooling and electric control	Turbocharged water cooling and electric control	Turbocharged water cooling and electric control
	Rated power	115kW	154HP	115kW	154HP	115kW	154HP
Tire	Rated speed	2200r/min	2200r/min	2200r/min	2200r/min	2200r/min	2200r/min
	Specification	23.1-26-12G23TL	23.1-26-12G23TL	23.1-26-12G23TL	23.1-26-12G23TL	23.1-26-12R1TL	23.1-26-12R1TL
	Tier	12	12	12	12	12	12
	Air pressure	200kPa	2.0bar	170kPa	1.7bar	170kPa	1.7bar

Item	Content	XS165 (Smooth drum)		XS165PD (Welded padfoot drum)		XS165PD (Assembled padfoot drum)	
Weights	Maximum operating mass	16000kg	35274 lb	16850kg	37920 lb	17200kg	37148 lb
	Operating mass	16000kg	35274 lb	16850kg	37920 lb	17200kg	37148 lb
	Front axle weight	10800kg	23810 lb	11650kg	26455 lb	12000kg	25684 lb
	Rear axle weight	5200kg	11464 lb	5200kg	11464 lb	5200kg	11464 lb
	Static linear load	50.7N/cm	50.7N/cm	/	/	/	/
Maneuverability	Operating speed	0-11.00km/h	0-6.84mile/h	0-11.85km/h	0-7.36mile/h	0-11.85km/h	0-7.36mile/h
	Theoretical climbing ability	60%	60%	45%	45%	45%	45%
	Minimum turning radius (inner)	4220mm	166in	4220mm	148in	4220mm	148in
	Minimum ground clearance	467mm	18.39in	467mm	22.32in	467mm	22.32in
	Wheel base	3060mm	120in	3060mm	120in	3060mm	120in
	Steering angle	35°	35°	35°	35°	35°	35°
	Oscillation angle	10°	10°	10°	10°	10°	10°
	Braking distance	3.9m	154in	3.9m	154in	3.9m	154in
Compaction Performance	Vibration frequency	28/33Hz	28/33Hz	28/33Hz	28/33Hz	28/33Hz	28/33Hz
	Nominal amplitude	2.0/1.0mm	0.08/0.04in	1.8/0.9mm	0.06/0.03in	1.8/0.9mm	0.06/0.03in
	Excitation force (High/Low frequency)	340/236kN	76/53kip	340/236kN	76/53kip	340/236kN	76/53kip
	Drum diameter	1523mm	60in	1735mm	68in	1735mm	68in
Engine	Drum width	2130mm	84in	2130mm	84in	2130mm	84in
	Model	CumminsB4.5	Cummins B4.5	CumminsB4.5	Cummins B4.5	Cummins B4.5	Cummins B4.5
	Type	Turbocharged water cooling	Turbocharged water cooling	Turbocharged water cooling	Turbocharged water cooling	Turbocharged water cooling	Turbocharged water cooling
	Rated power	129kW	173HP	129kW	173HP	129kW	173HP
Tire	Rated speed	2200r/min	2200r/min	2200r/min	2200r/min	2200r/min	2200r/min
	Specification	23.1-26-12G23TL	23.1-26-12G23TL	23.1-26-12R1TL	23.1-26-12R1TL	23.1-26-12R1TL	23.1-26-12R1TL
	Tier	12	12	12	12	12	12
	Air pressure	200kPa	2.0bar	170kPa	1.7bar	170kPa	1.7bar



Overall dimension



Dimensions (in/mm)	L	L1	W	W1	H	H1	H2	S	D
XS115	236/5990	120/3060	91/2300	84/2130	118/2990	93/2360	16/417	1/25	60/1523
XS115PD	236/5990	120/3060	91/2300	84/2130	124/3145	97/2465	21/523	1/25	68/1723
XS125	236/5990	120/3060	91/2300	84/2130	118/2990	93/2360	16/417	1/25	60/1523
XS125PD	236/5990	120/3060	91/2300	84/2130	124/3145	97/2465	21/523	1/25	68/1723
XS165	237/6010	120/3060	91/2300	84/2130	120/3040	95/2410	16/417	1.2/30	60/1523
XS165PD	237/6010	120/3060	91/2300	84/2130	124/3145	99/2515	21/523	1.2/30	68/1723

Optimum services , XCMG Guaranteed



Cummins engine



Genuine parts



Extension of warranty



Financial solutions



Maintenance contract



Telematics



Monitoring systems

Professional Integrated Complete Solutions

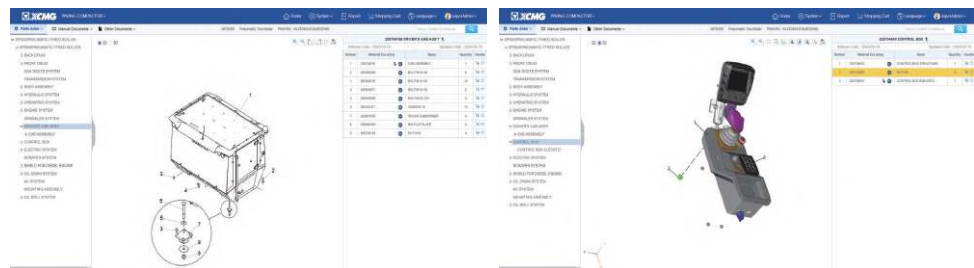
XCMG group has built a strong reputation based on the quality, reliability and durability of its construction machinery. What's more, XCMG has gradually established a service network to constantly provide its local integrated and highly efficient complete solutions for all users.

Full range of services ready for you

In order to respond to your needs as fast as possible, XCMG experts are on their way to your job site from one of our facilities near you. Full range of services are available in order to reduce your total cost of ownership and increase your revenue.



XCMG Global Spareparts System



Roller



Motor grader



Paver



Milling machine



Cold recycler



Truck-mounted maintenance product

