Vibratory Roller

XS125

XCMG

XCMG FOR YOUR SUCCESS

Machine dimension(standard):236x92x118in
Machine weight(standard): 26455lb

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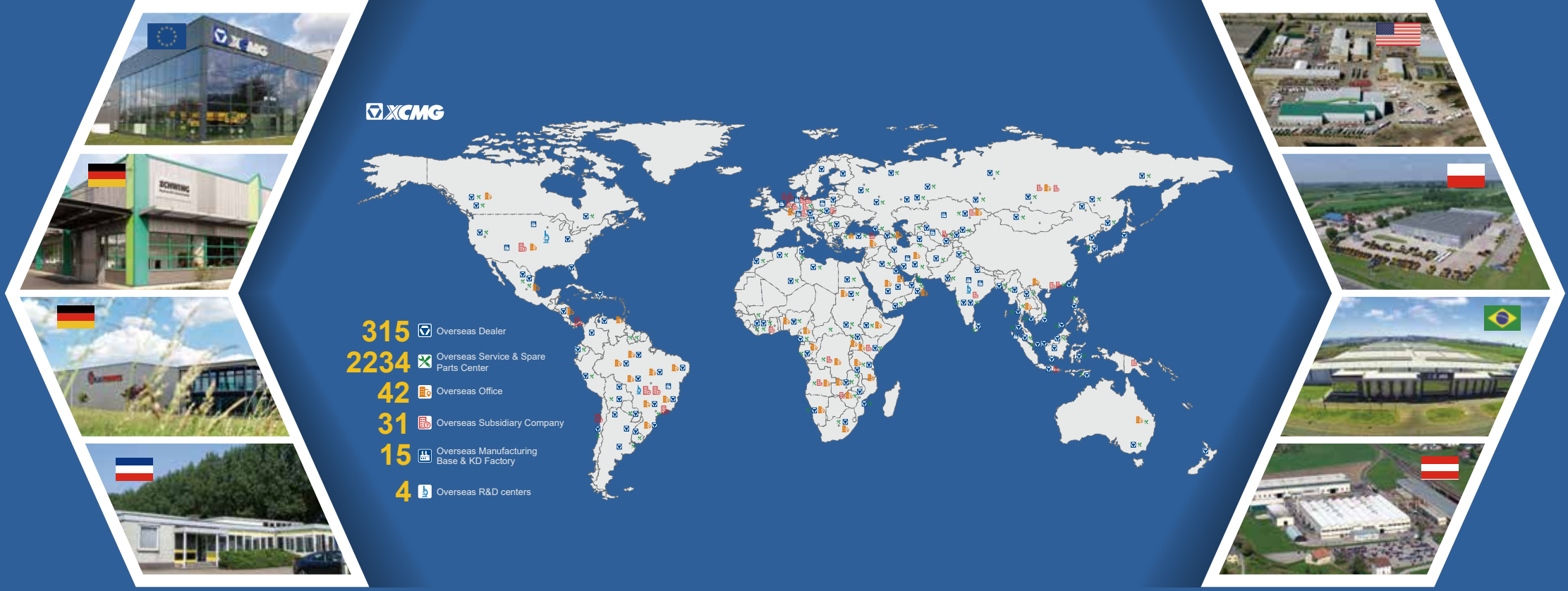


INTRODUCTION OF XCMG

Founded in 1943, XCMG is the largest enterprise in the Chinese construction machinery industry. We offer the most diverse product line and the highest technological standards. We provide a comprehensive set of construction solutions, and we are the most internationally competitive firm in the industry. On KHL Yellow Table, we rank No. 1 in China and No.3 globally.

Across our offices in China, the US, Germany, India, and Brazil, XCMG has established a global collaborative research platform including national-level R&D facilities focused on advanced smart manufacturing technology. Our R&D team consists of top talents from around the globe. They are researching cutting-edge technologies such as new energy, unmanned driving and high-end parts. Our work has earned us numerous international patents and awards.

XCMG has the most comprehensive product line, meaning we can offer fully comprehensive solutions in 9 areas: hoisting, earthwork, road building & maintenance, mining, concrete & paving, tunnel-building & underground construction, high-altitude firefighting equipment & special-purpose vehicles, railway & bridge construction, sanitation engineering. All these solutions can be customized to suit our customers' needs.

At XCMG, our five-continent sales network gives our products worldwide visibility. We have 300 overseas distributors, over 10 overseas manufacturing bases and KD （Knockdown） factories, and products in more than 180 countries and regions. We supply our global customers with pre-sales, mid-sales and after-sales service, and a convenient, efficient one-stop financing and leasing service. XCMG's total annual exports and overseas income consistently come top of the industry in China.

We care deeply for the welfare of the people. We support numerous charitable causes, and are quick to the scene during disaster relief efforts.

XCMG is all set to become an eternal brand with our feet on the ground and eyes on the horizon. XCMG's ambition leads us forever forwards. XCMG is scaling its Everest, and is determined to reach the top.

Highlights of XS125

> XS125/XS125PD vibratory roller is a heavy-duty, self-propelled, single-drum and full hydraulic double-drive vibratory roller developed for European market. The product meets the emission requirements of Euro-V. It has the features of large excitation force, high compaction efficiency and good compaction quality. It is widely applied in compaction of base layer, sub-base layer and rock filling for roads, railways, airports, ports, dams and industrial construction sites.

Appearance of the new 5 series single drum rollers

The whole machine adopts the latest single-drum “5” series appearance modeling, which is compact in structure and nice-looking; the waist design makes the whole machine have the best front and rear 1 × 1m good view; the fuel oil filter, hydraulic oil filter, drain oil, water hole are drawn outside to make the maintenance point in touch; reversible cab, large angle lift hood and centralized pressure measuring point make the repair of the whole machine more convenient; the whole machine is equipped with convex wheel, herringbone tire, dozer blade, reversing radar image, dozer blade, rotating alarm lamp etc., providing users with more diversified choices.

Modular design to meet a variety of construction needs

Whole Machine Hydraulic Travelling Drive System

REXTROH plunger pumps and plunger motors are adopted to compose the closed hydraulic drive system. The independently developed X-ASC anti-slip control system ensures that the roller has good driving performance and large climbing ability. It has two-gear stepless variable speed, ensuring the operation is made with the most appropriate speed under different working conditions.

Drive System

Drive axle for heavy-duty roller is adopted with tubeless tires and it can be equipped with quincuncial and herringbone patterns.

Hydraulic Vibration System

REXTROH plunger pumps and plunger motors are adopted to compose the closed hydraulic vibration system, which is dual-band and dual-amplitude. It has scientific and reasonable static line load and excitation force configurations, ensuring effective compaction is made for different types of materials and layers with different thicknesses.

Excellent front and rear view and side and rear view to ensure construction safety

Anti-roll Cab

The anti-roll cab has good sealing performance and it is equipped with radio recorder and suspension seat with large and reasonable internal storage space and equipped with large-area glass. It has wide view, providing a safe and comfortable operating environment for the driver. The roll-over cab brings a great convenience for repair; the fresh air system, air conditioner, multi-duct three-dimensional wind and defrosting provide a comfortable driving environment.

Engine Cover

The engine cover with large angle forward rolling makes the repair parts in full review.

Good maneuverability

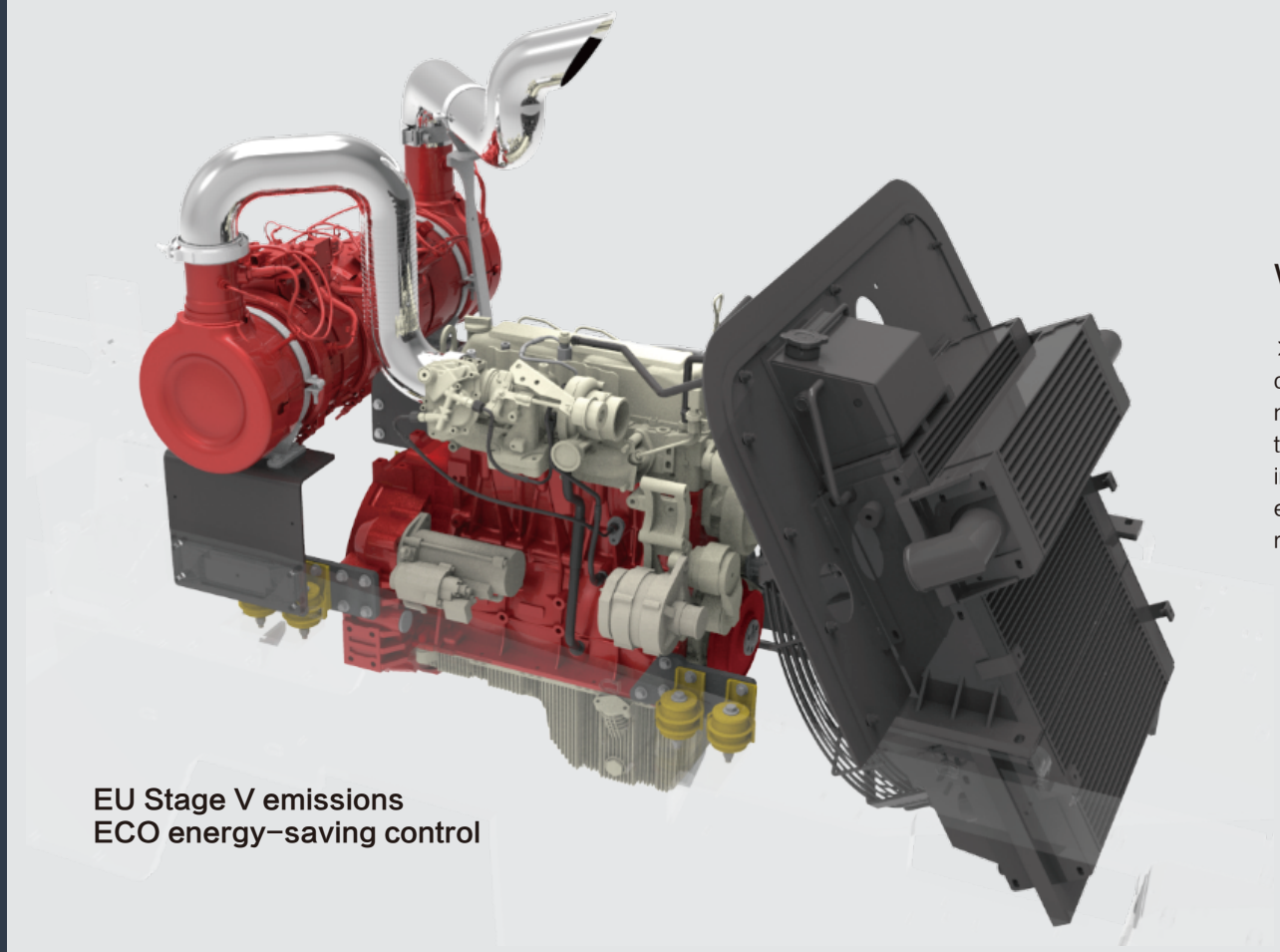
>Reasonable front and rear mass distribution, sufficient power reserve, NO-SPIN anti-differential drive axle, and the whole system is equipped with XCMG's unique automatic X-ASC anti-skid system as standard, so that the equipment can easily cope with large slope, mud and rugged operating environment.

Brake System

>The drive axle, multi-disc brake on the vibratory rim reducer and the hydro-static brake of closed hydraulic system compose the brake system, which has three functions (i.e., service braking, parking braking and emergency braking), ensuring the driving is safe and reliable.

Environmental protection and energy saving

>Equipped with four-cylinder Cummins turbocharged engine meeting Stage V emission, meeting strict emission requirements and providing sufficient power for the equipment , independent heat dissipation + intelligent temperature control technology, which can make the engine work in an efficient temperature range and improve fuel utilization.



EU Stage V emissions
ECO energy-saving control

Whole Machine Power System

>It is equipped with Cummins electronic-controlled engine with water cooling, turbocharging, big power reserve, low oil consumption and small noise. DOC+DPF+SCR single-cylinder rear processor is adopted to meet the emission requirements of Euro-V and American Final Stage 4 (Tier4F); independent heat dissipation intelligent temperature control system realizes low, medium or high fan speed according to the system temperature and reduces the fuel consumption.

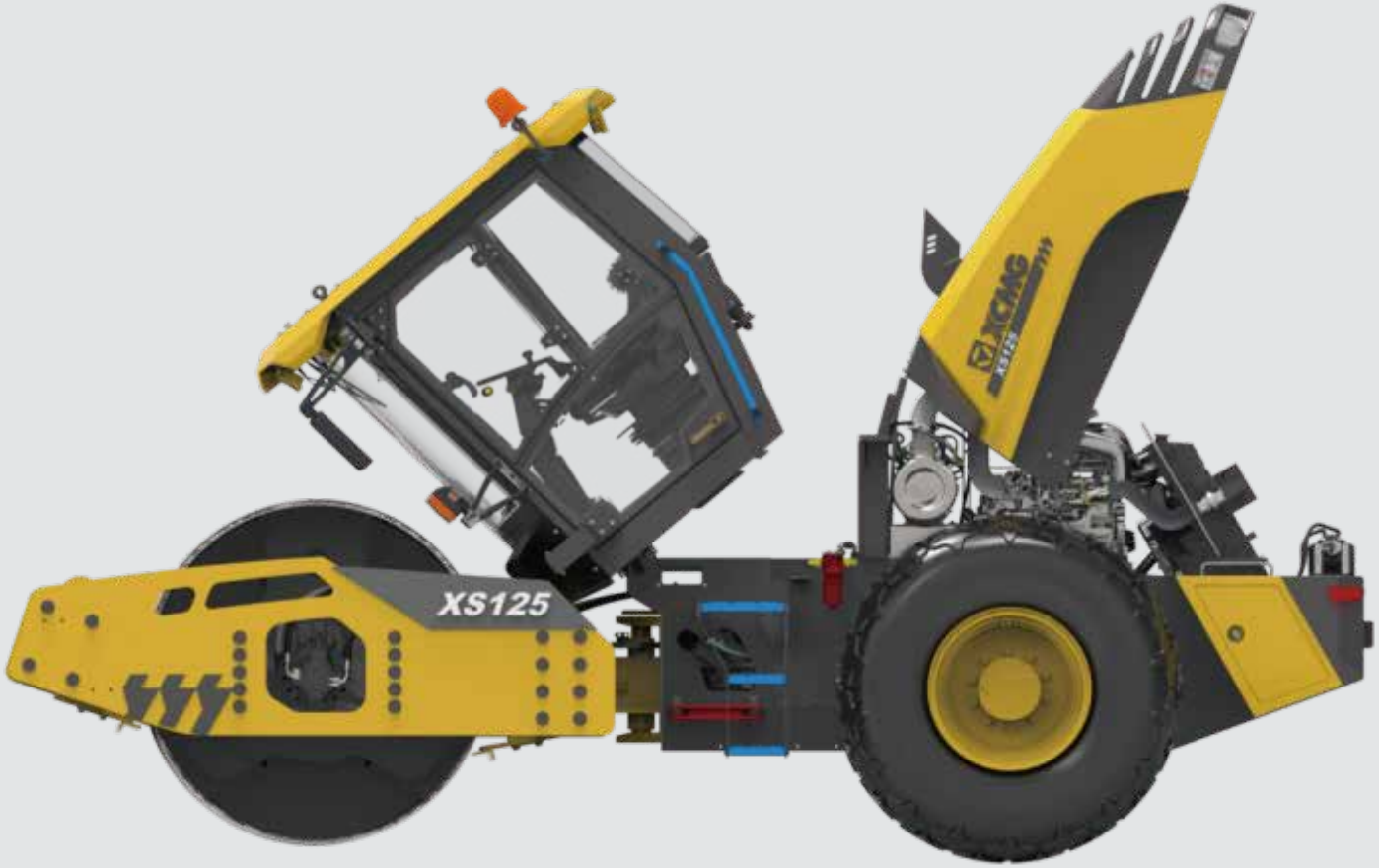
Easy maintenance and repair

Operating System

Conform to Ergonomic Layout: The suspension seat is adjustable in front, rear, top, bottom and inclined angles and it can be applied for drivers with different heights and weights; the hand control handle is combined with rotary and sliding bracket to make the driver control freely; the sound and light alarm device on the instrument panel can provide maintenance and repair information at any time to avoid equipment operation in "sickness" and prevent equipment damage.

Electrical System

Based on ergonomic principles, the structural form of front steering and right operation is adopted. The control box is integrated with color display, combination button panel, CAN bus handle, functional key group and trouble indicator lamp, engine starting switch etc., which are comfortable in operation; automatic compaction control, automatic idle control, speed limit adjustment and other intelligent elements reduce the operator's labor intensity. The seat intelligent sensing, emergency braking and engine no start switch effectively protect the driver's personal safety.



Anti-roll Cab

> The anti-roll cab has good sealing performance and it is equipped with radio recorder and suspension seat with large and reasonable internal storage space and equipped with large-area glass. It has wide view, providing a safe and comfortable operating environment for the driver. The roll-over cab brings a great convenience for repair; the fresh air system, air conditioner, multi-duct three-dimensional wind and defrosting provide a comfortable driving environment.

1. The whole system is equipped with anti-rollover cab ROPS&-FOPS as standard, which provides sufficient head and foot space while ensuring safety.
2、Large front curved glass, providing a wider view for the driver.
3、The whole system is equipped with air-conditioning as standard; three-dimensional air vents make the temperature in the cab more balanced and provide a more comfortable operating environment for the driver.
4、The whole system is equipped with fresh air system as standard, which keeps the air in the cab clean at all times.
5、The entire system is equipped with standard cab interior lighting overhead lamps.
6、The whole system is equipped with a standard broken hammer with the function of cutting short seat belt.
7、Ergonomically arranged maneuvering space, in which the suspension shock-absorbing seat can be widely adjusted forward and backward, up and down to meet the requirements of drivers of different sizes; the left and right elbow rests can be adjusted in multiple degrees of freedom to meet different operating postures.
8、Multi-point large storage space, can place water cups, cell phones, keys and other objects.
9, the rear glass is equipped with electric heating and defrosting equipment to meet the needs of winter operations.
10、The whole system is equipped with rear glass sunshade as standard, which can effectively prevent direct sunlight.
11、Double rotor steering column, making the steering operation easier.

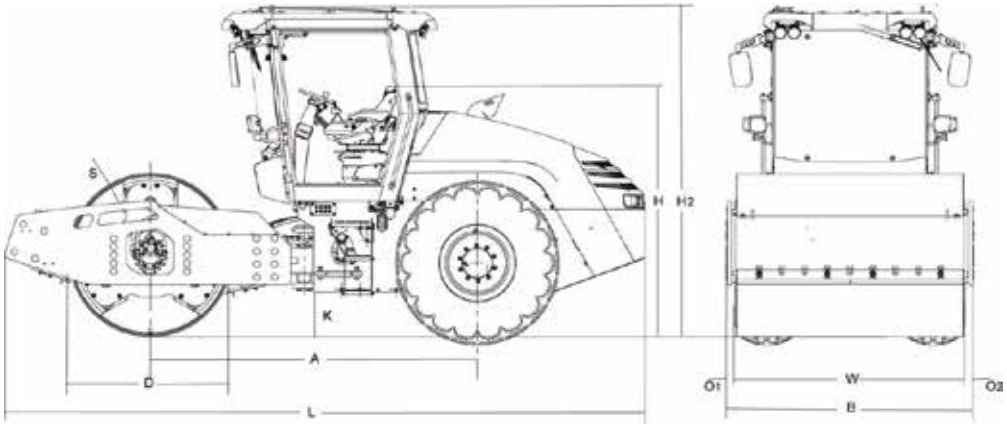
Whole Machine

13、Blue grade channel, extending to the interior of the cab, more eye-catching and easily identifiable.
14、Hydraulic hose protection device, even if the high-pressure oil hose ruptures, it can protect the surrounding people from harm.
15、Cab three-dimensional vibration damping, effectively attenuate the vibration transmission of the frame, to provide a comfortable operating environment for the driver.
16、The whole system is equipped with working lights, traffic lights and rotating alarm lights as standard to meet the requirements of different zones.
17, external power terminal, can guarantee the equipment battery voltage is insufficient, the emergency start.
18, maintenance-free battery, the product does not need to be filled with liquid during the whole life cycle.
19, maintenance-free steering bearing, reduce lubrication points, reduce maintenance intensity.
20, assembly type articulation, easy to replace the cross articulated ends of the joint bearings.
21、Large fuel tank

Parameter

Content	XS125 (Light Wheel)	XS125PD Ⅱ (Assembled Convex Wheel)	XS125PD (Welded Convex Wheel)
Maximum operating mass	12400kg / 27337lb	13770kg / 30358lb	13252kg / 29216lb
Operating mass	12000kg / 26455lb	13370kg / 30358lb	12850kg / 28329lb
Assigned mass of front wheel	7300kg / 16094lb	8670kg / 19114lb	8150kg / 17968lb
Assigned mass of rear wheel	4700kg / 10362lb	4700kg / 10362lb	4700kg / 10362lb
Load of static line	336N/cm	/	/
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%	45%	45%
Minimum turning radius (inner)	3766mm / 148in	3766mm / 148in	3766mm / 148in
Minimum ground clearance	417mm / 16in	523mm / 20in	523mm / 20in
Wheel base	3060mm / 120in	3060mm / 120in	3060mm / 120in
Steering angle	35°	35°	35°
Swing angle	10°	10°	10°
Braking distance	3.9m / 153.5in	3.9m / 153.5in	3.9m / 153.5in
Vibration frequency	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	252/181kN / 57/41kip	252/181kN / 57/41kip	252/181kN / 57/41kip
(high frequency/low frequency)	1523mm / 60in	1735mm / 68in	1723mm / 68in
Diameter of pinch roller			
Compaction width	2130mm / 84in	2130mm / 84in	2130mm / 84in
Oil filling pressure of drive system	2.5MPa / 25bar	2.5MPa / 25bar	2.5MPa / 25bar
Minimum pressure of drive system	41MPa / 410bar	41MPa / 410bar	41MPa / 410bar
Minimum pressure of vibration system	32.5MPa / 325bar	32.5MPa / 325bar	32.5MPa / 325bar
Minimum pressure of steering system	16MPa / 160bar	16MPa / 160bar	16MPa / 160bar
Model	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
Rated power	115kW / 154HP	115kW / 154HP	115kW / 154HP
Rated speed	2200r/min	2200r/min	2200r/min
Specification	23.1−26−12G23TL	23.1−26−12G23TL	23.1−26−12G23TL
Tier	12	12	12
Air pressure	200kPa / 2bar	170kPa / 1.7bar	200kPa / 2bar
Drive form	Hydrostatic closed	Hydrostatic closed	Hydrostatic closed
Vibration form	Hydrostatic closed	Hydrostatic closed	Hydrostatic closed
Travelling brake	Hydraulic	Hydraulic	Hydraulic
Parking brake	Mechanical / hydraulic	Mechanical / hydraulic	Mechanical / hydraulic
Emergency brake	Mechanical / hydraulic	Mechanical / hydraulic	Mechanical / hydraulic
Steering form	Articulated	Articulated	Articulated
Steering control	Hydraulic	Hydraulic	Hydraulic

Appearance and dimensions



Dimensions (mm)	A	B	D	H	H2	K	L	O1	O2	S	W
XS125	3060	2300	1523	2340	2990	417	5990	85	85	25	2130
XS125PD	3060	2300	1735	2440	3145	523	5990	85	85	25	2130
XS125PD Ⅱ	3060	2300	1723	2440	3145	523	5990	85	85	25	2130

Dimensions (in)	A	B	D	H	H2	K	L	O1	O2	S	W
XS125	120	91	60	92	118	16	236	3.3	3.3	1	84
XS125PD	120	91	68	96	124	21	236	3.3	3.3	1	84
XS125PD Ⅱ	120	91	67.8	96	124	21	236	3.3	3.3	1	84

Optimum Services , XCMG Guaranteed

XCMG approved attachments

Genuine parts

Extension of warranty

Financial solutions

Maintenance contract

Telematics

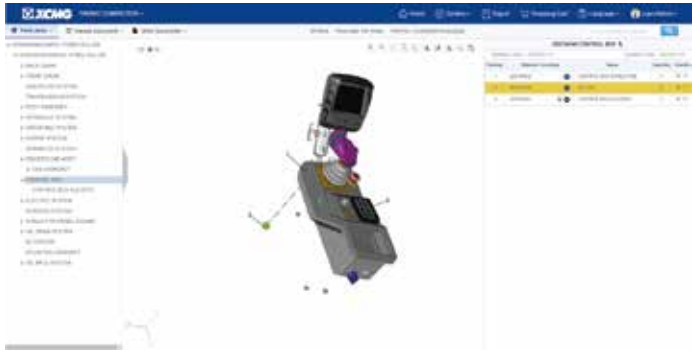
Professional Integrated Complete Solutions

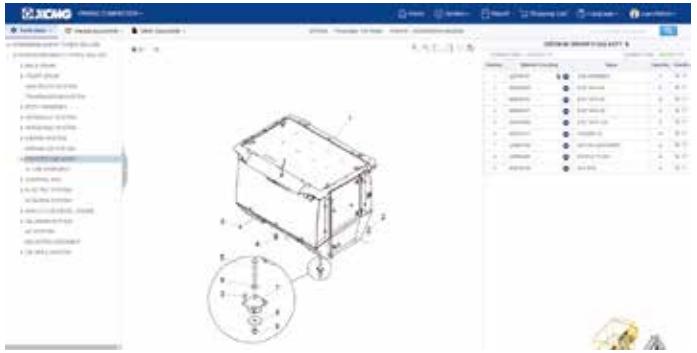
XCMG group has built a strong reputation based on the quality, reliability and durability of its construction machinery. What's more, XCMG has gradually established a service network to constantly provide its local integrated and highly efficient complete solutions for all customers.

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 availible in order to reduce your total cost of ownership and increase your revenue.

XCMG Global Spare parts System





Mobile cranes

Excavators

Aerial work platforms

Wheel loaders

Road machinery

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