

SOLID TO SUCCEED



Light Compaction Equipment

XD120



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XD120 dual-drive dual-vibration vibratory road roller features small amplitude, high frequency vibration, big exciting force as well as separate vibration.

It is mainly applicable to compaction work on asphalt top layer of newly built pavement and thinner stable soil pavement, and road maintenance work.

With compact structure, high flexibility, small blind area, high operating comfort, it is an ideal compaction equipment for municipal maintenance and highway custody.

Three cylinder water-cooled Kubota engine, suiting ambient temperature of -10°C ~ 45°C and altitude of below 3000 m, in compliance with EU Stage III emission standards.



Main Performance And Characteristics

Its unique XCMG series 5 industrial design won the German Red Dot Award in 2020.



1 Comfortable and safe control system

- Bilateral access, bright color paint, ergonomics design principle.
- Spacious operating platform provides enough space for operator’ s movement, operator’ s seat has three-level shock absorption.
- Foldable CE ROPS provides safety protection under emergency.
- Driving safety and reliability is guaranteed by three means of braking: neutral brake, secondary brake and parking brake.
- Waterproof instrument control panel, simple and intuitive.
- All switch buttons are arranged for clear and intuitive operation.
- Comfortable elbow support, easy to fit curb compaction operation.

2 Efficient operating performance

- Dual-frequency single-amplitude vibration exciter provides two kinds of exciter forces for different working conditions.
- 67Hz high frequency vibration and high excitation force ensures high compaction efficiency and deep influence.
- Front drum vibration, rear drum vibration, front and rear drum vibration.
- 720mm Large diameter drum design, good traffic performance, high compaction quality.
- Maintenance-free vibration drum, all-weather availability with low cost of use.

3 Environmental friendly and energy saving

- Diesel engine in compliance with EU Stage-III emission standards.
- ECO engine speed ensure the power output in environmental friendly and energy saving manner.
- LED lights.
- Disposable hydraulic oil as option.

4 Superior trafficability

- High climbing ability, small turning radius.
- Normally closed brake.
- Optional anti-slip device.



High quality and efficient compaction

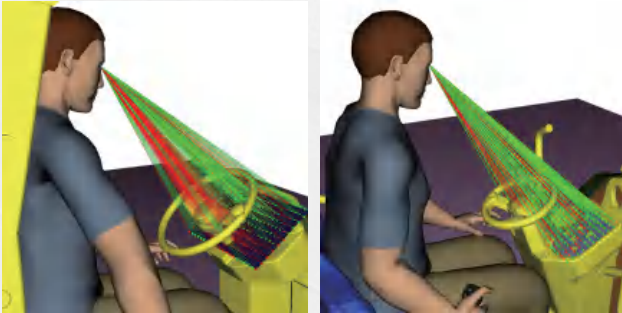
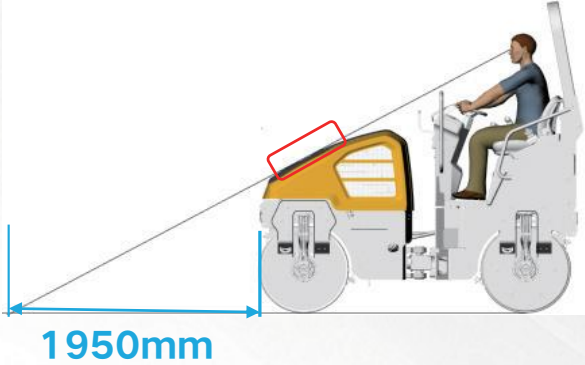
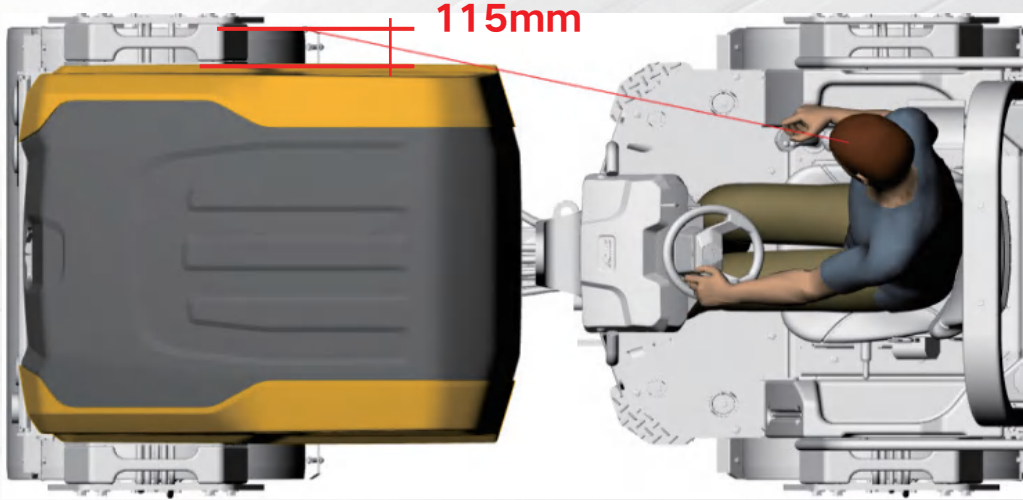
67Hz high frequency vibration technology

- **67/63Hz UHF vibration compaction**
The times of drum impact ground in unit time are increased, achieving high-speed and high-efficiency compaction.
- The front and rear drum vibrate independently to meet the needs of different operation scenarios
- **720mm large diameter vibratory drum**
Increase the contact area between drum and the ground and improve the evenness of the road surface.
- VT model tire kneading and compaction - middle support, good kerb compaction



Enhanced maneuvering experience

- The front visual range is improved by 17.8%.
- The side visibility is increased by 64%.
- Greatly improved driving visibility.



Enhanced maneuvering experience

- **Clear and concise meter display**
Lighting zone, meter display zone and function control zone.
 - Optional dual left and right control handles are available.
Integrating vibration, sprinkling and horn functions.
- Narrow frame design , 115mm edge distance,Unobstructed side visibility.
 - 300mm small diameter steering wheel, Increase the driver ' s space by 30%.



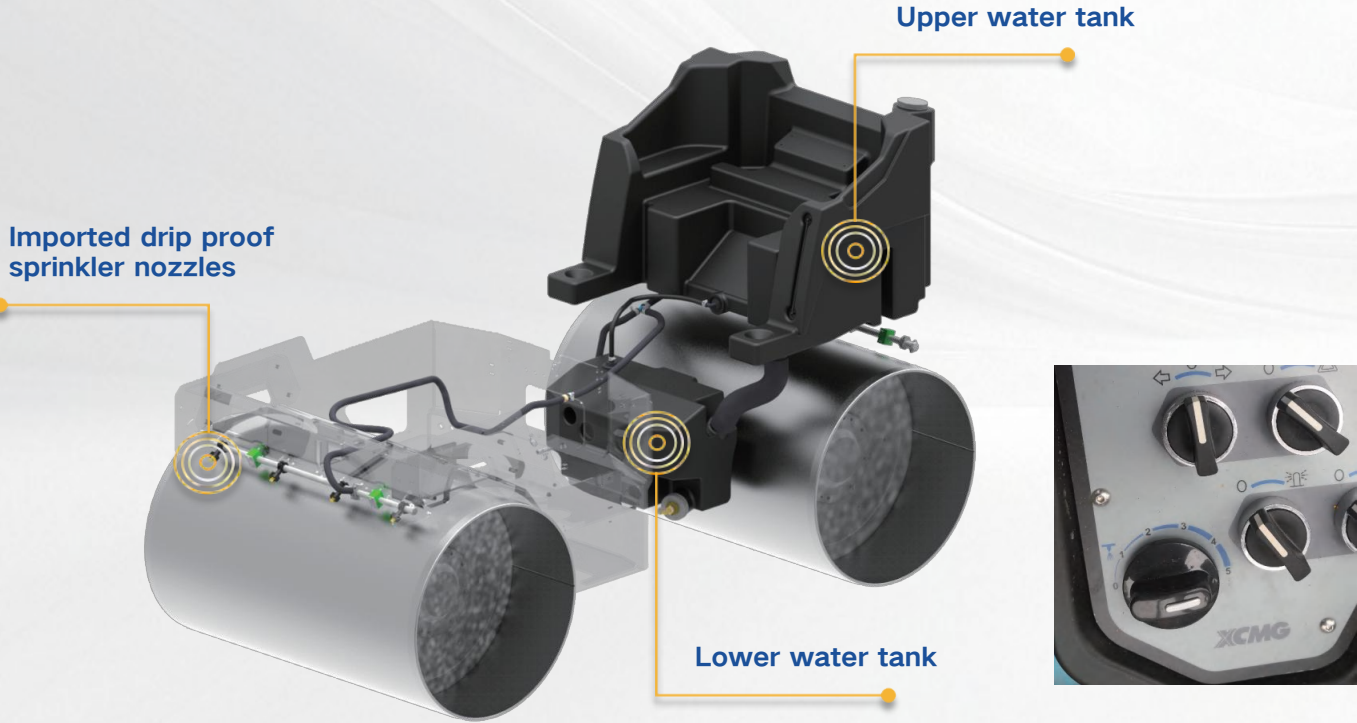
Flexible maneuvering

- strong adaptability to working conditions
- ROPS can be folded conveniently to meet the requirements of confined construction areas such as underground garage.



Continuous water sprinkler system

- **Large capacity double water tank design**
Total capacity up to 210L
Significantly improve the working duration
Combination roller models allow independent water spraying
- **5-interval sprinkling**
Multi-gear control sprinkling amount,
Applicable to various working conditions.
- **Three-stage filter unit**
The water filling port and nozzle are set with filtering device, and then equipped with high-precision filter to ensure stable and smooth sprinkling.



Excellent driving experience

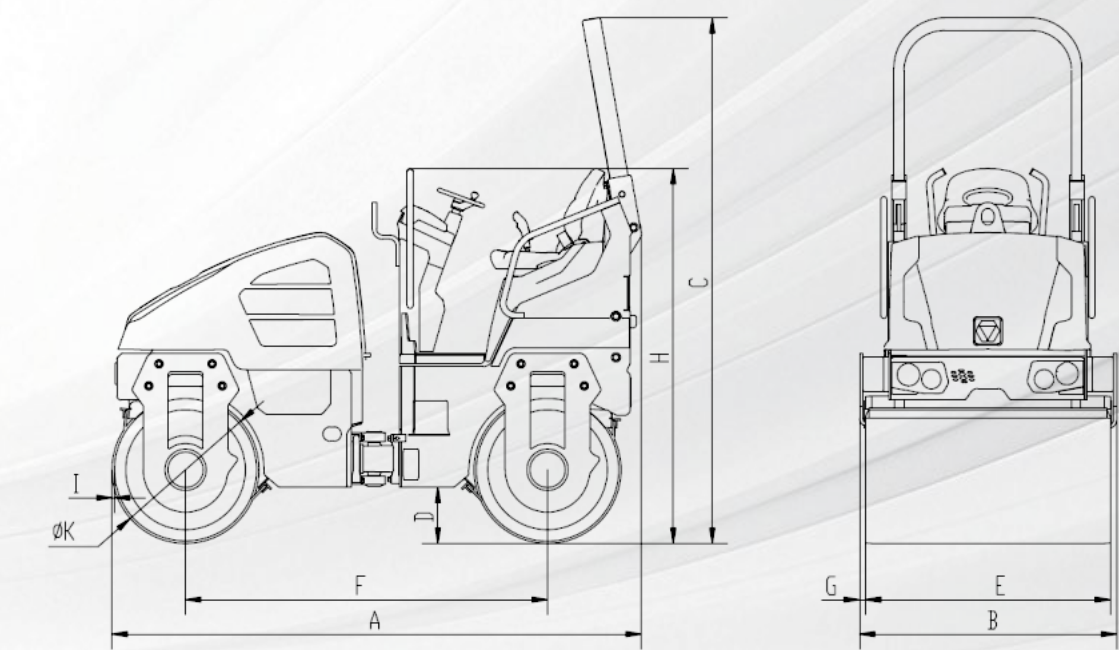
- **Multi-selection lighting system**
Front and rear headlights, ROPS working lights,
Rotary beacon for safer and clearer construction at night
- **Extensive Options**
 1. Asphalt edge cutter
 2. ASC system
 3. Canopy



Main Technical Parameters

Items	Content	Unit	XD120 Standard
Weights Parameters	Operating weight	kg	2850
	Front axle weight	kg	1350
	Rear axle weight	kg	1500
	Static linear load	N/cm	110/122
Driving Parameters	Working speed	km/h	0~10
	Theoretical gradeability	%	30
	Minimum turning radius (inside/outside)	mm	2500/3700
	Minimum Ground Clearance	mm	275
	Wheelbase	mm	1773
	Oscillation angle	°	±8
Compaction Parameters	Braking distance(smooth cement pavement)	m	<3.4
	Vibration frequency	Hz	63/67
	Nominal amplitude	mm	0.5
	Excitation force (high/low frequency)	kN	36/41
	Drum diameter	mm	720
Hydraulic System	Drum width	mm	1200
	Charge pressure, drive system	MPa	2.5
	Peak pressure, drive system	MPa	38
	Peak pressure, vibration system	MPa	25
	Peak pressure, steering system	MPa	16
Engine	Model		KUBOTA D1703
	Type		In-line 3-cylinder water-cooled
	Rated power	kW	25.6
	Rated speed	r/min	2600
Miscellaneous	Drive method		Hydrostatic closed-loop
	Vibration method		Hydrostatic open-loop
	Service brake		Hydraulic
	Parking brake		Mechanic/hydraulic
	Secondary brake		Mechanic/hydraulic
	Steering system		Articulated
	Steering control		Hydraulic

Appearance And Dimensions



Model	A	B	C	D	E	F	G	H	I	K
XD120	2610	1286	2575	275	1200	1773	43	1845	12	720

 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 servivices are available in order to reduce your total cost of ownership and increase your revenue.

XCMG Global Spareparts System

 PAVING COMPACTOR

HomeSystemReportShopping CartLanguageAdmin

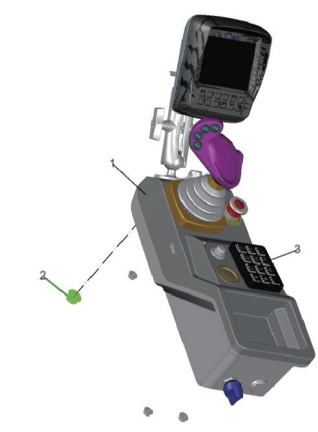
Parts AtlasManual DocumentsOther DocumentsXP305SPneumatic Tire RollerPINVIN : XUG03054VKJE02365

225704540 CONTROL BOX

BACK DRUMFRONT DRUMGAS-ROUTE SYSTEMTRANSMISSION SYSTEMBODY ASSEMBLYHYDRAULIC SYSTEMOPERATING SYSTEMENGINE SYSTEMSPRINKLER SYSTEMDRIVER'S CAB ASSY

CAB ASSEMBLYCONTROL BOX

CONTROL BOX ELECTRICELECTRIC SYSTEMSCRAPER SYSTEMSHIELD FOR DIESEL ENGINEOIL DRAIN SYSTEMAC SYSTEMMOUNTING ASSEMBLYOIL SPILL SYSTEM



Number	Material Encoding	Name	Quantity	Handle
1	225704532	CONTROL BOX STRUCTURE	1	
2	895238400	NUT M6	4	
3	225704541	CONTROL BOX ELECTRIC	1	

 X-655 Global Management Platform

Bright ModeEnglish服务与备件

HOME PAGE

25438Number of network equipment233Amount of work yesterday390Amount of work now2907.3Working hours yesterday0Access network today0Number of equipment fault alarms now

Overall OIL EQP OIL

30-day Data

Operating rate

Monthly Distribution of operating rate

Satellite

Full Screen

Monthly average working hours of main models

Monthly workload of main models

 PAVING COMPACTOR

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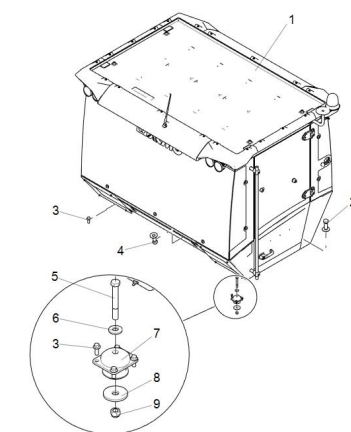
Parts AtlasManual DocumentsOther DocumentsXP305SPneumatic Tire RollerPINVIN : XUG03054VKJE02365

225704748 DRIVER'S CAB ASSY

BACK DRUMFRONT DRUMGAS-ROUTE SYSTEMTRANSMISSION SYSTEMBODY ASSEMBLYHYDRAULIC SYSTEMOPERATING SYSTEMENGINE SYSTEMSPRINKLER SYSTEM

DRIVER'S CAB ASSY

CAB ASSEMBLYCONTROL BOXELECTRIC SYSTEMSCRAPER SYSTEMSHIELD FOR DIESEL ENGINEOIL DRAIN SYSTEMAC SYSTEMMOUNTING ASSEMBLYOIL SPILL SYSTEM



Number	Material Encoding	Name	Quantity	Handle
1	225704791	CAB ASSEMBLY	1	
2	895096280	BOLT M16*45	9	
3	895094763	BOLT M10*25	16	
4	895048571	BOLT M16*30	2	
5	895046668	BOLT M16*120	4	
6	895301377	WASHER 16	15	
7	228901569	SHOCK CABSORBER	4	
8	229000495	BIG FLAT PLATE	4	
9	895238158	NUT M16	4	