

SOLID TO SUCCEED



Tandem Vibratory Roller

XD135T



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XD135T vibratory roller is designed to meet the requirements of high-end customers and special working conditions in high-end market. It is widely applicable to compacting asphalt pavement; layers of different materials and different thickness; large engineering projects such as roads, parking lots, airports; and base layer and sub-base layers. It is an ideal compacting equipment for asphalt top layer construction in highway management and maintenance.



Main Performance And Characteristics

1 Convenient maintenance performance

- The integral design hood tilts forward allowing for a complete view of the engine compartment.
- The parts that need to be maintained and replaced, such as air filter, machine filter, diesel fuel filter, hydraulic oil filter, etc., are all placed in easy-to-access locations;
- The fragile parts are also placed in the position of easy access or can be replaced without disassembling more parts.

2 Efficient compaction performance

- 63Hz high frequency vibration greatly shortens the operation time;
- Stepless speed regulation from 0 to 12km/h to meet the needs of different working conditions;
- Dual-frequency and dual-amplitude vibration system, front and rear drum can be vibrated independently.

3 Comfortable operability

- The rotating and sliding control system allows for seat adjustment in multiple directions, including forward and backward, up and down, as well as load-bearing adjustment. The seat's mobility, including sliding and rotation to the left and right, enhances operator visibility, facilitating observation of the drum edges and surface.
- The side of the cab adopts 2° beveled surface to enhance the field of visibility, and the large space cab increases the operation space and improves the operation comfort.
- Adopting electronically controlled steering, light operation, better maneuvering space and more comfortable for the driver.

4 High reliability

- The vibratory wheel adopts cartridge-type four-support structure, and follows the lubrication and oil scraping device patented by XCMG, together with the long-life vibration bearing, the service life is greatly improved;
- The key components such as engine, hydraulic pump, hydraulic motor, etc. are of well-known brands, which effectively ensures the durability and reliability of the machine and prolongs the service life of the whole machine.



ultra-high frequency vibration compaction

- Resolved Construction problems: The high-speed, wide-width surface layer equalization reduces rapid temperature drop and material segregation, improves efficiency and flatness, and guarantees high quality molding.
- Meet the higher temperature requirements for construction with modified asphalt
- 63/42 dual-frequency, dual-amplitude, dual-centrifugal force mode for more working conditions. High frequency--high speed and high efficiency compaction; low frequency--conventional municipal maintenance construction.

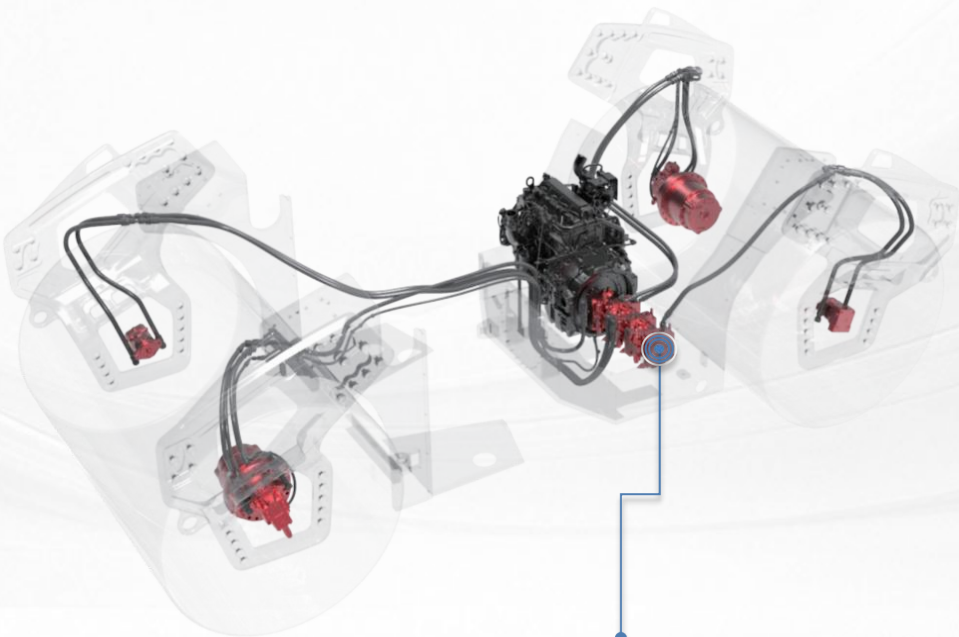
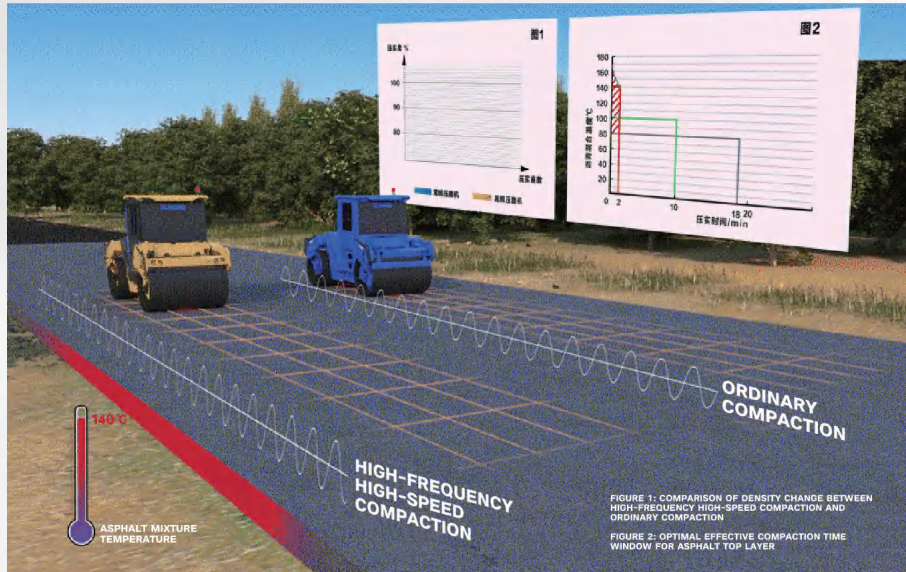
- Two vibration pumps hydraulic system
- Front and rear wheel vibration is controlled by dual pumps individually for more powerful vibration.
- Front and rear steel wheels frequency is controlled independently and can be adjusted individually with no flapping vibration phenomenon.
- No vibration valve required, simplified system, reduced failure rate.
- High efficiency and longer service life of hydraulic system.

- The front and rear drum vibrate independently to meet the needs of different operation scenarios.

Compaction of joints, local repairs and potholes after milling.

1360mm large diameter vibration drum
Increase the contact area between drum and the ground and improve the evenness of the road surface.

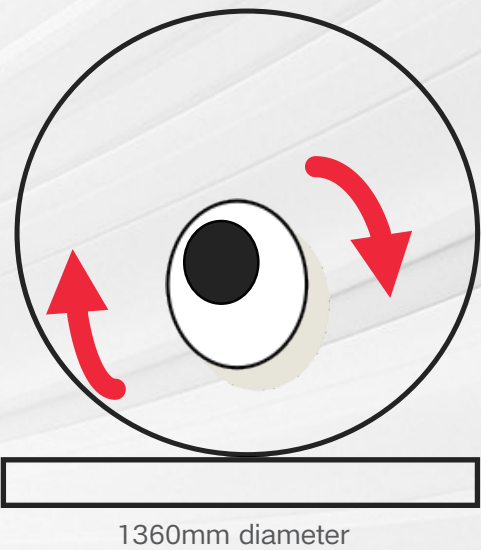
Three centers in one, good amplitude uniformity
Equal pressure technology realizes the static and dynamic uniform effect of the whole machine and improves the compaction flatness.



Drive pump

Front drum vibration pump

Rear drum vibration pump



strengthened working device

Shockless exciter with low noise and long life

- Silicon oil damping buffer attenuates the inertial shock during direction changes and ensures no impact during the start and stop of the vibrating drum.
- XCMG customized silicone oil with small viscosity and temperature coefficient, suitable for various temperature environments.
- The closed chamber ensures sealing and eliminates the need to change the silicone oil during product life cycle.
- Shockless vibration technology
- Shockless exciter has internal silicone oil buffer. Compared with conventional exciter, the movable eccentric block has less impact when starting and stopping the vibration, and has a longer service life.

XCMG unique reinforced cylindrical four-point support structure with high strength and good rigidity.

- Four vibration bearings are evenly stressed to ensure the overall reliability and durability of the system.
 - Specialized double-row roller vibration bearings, with a load capacity of up to 325kN and a comprehensive service life of over 10,000h.
 - Additional internal support steel pipe to further improve the overall stiffness of the wheel.
- Hardened rim as standard
Standard hardening treatment can increase the hardness by 55% on the basis of the original metal substrate hardness, suitable for harsh working conditions.

Large diameter forging traveling bearing seat, the most reliable in the industry

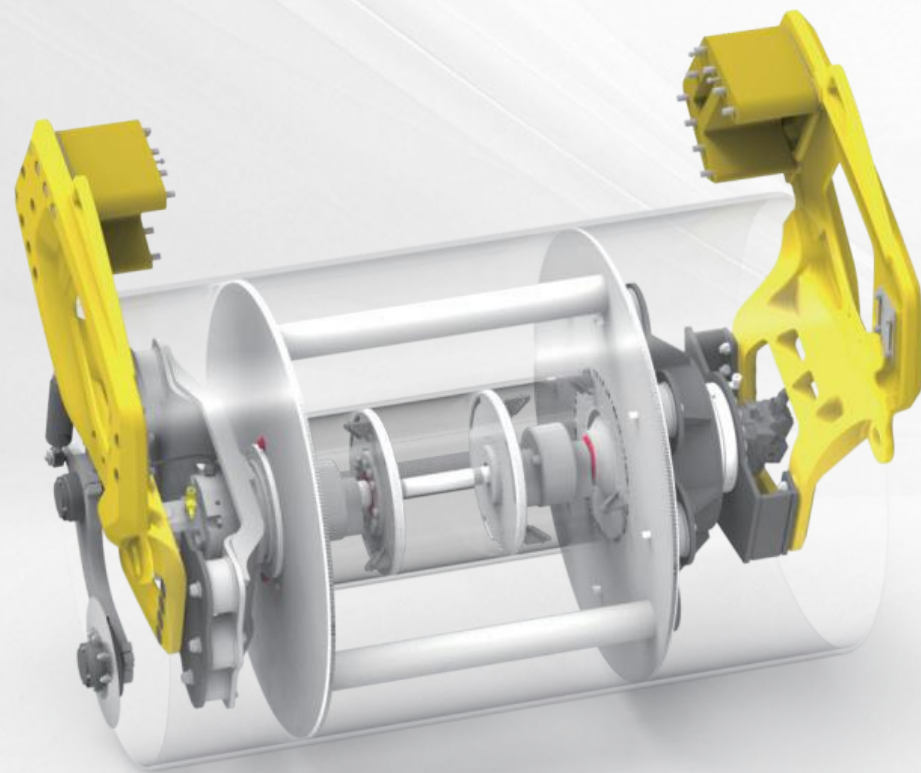
- Shaft diameter is 45% larger than the previous generation for greater support ability.
- The forging integral molding delivers good consistency.
- Alloy structural steel quenched and tempered, excellent mechanical properties

High frequency special Mobil lubricating oil

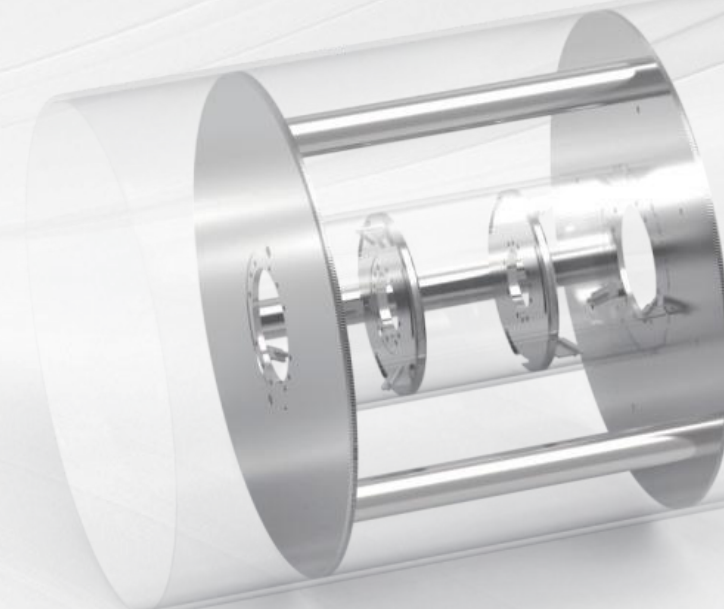
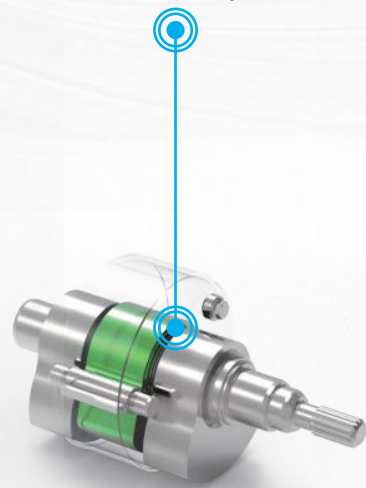
- Low liquid friction reduces working temperature and improves working efficiency.

Strengthened transmission shaft, more durable vibration drum

- The spline is drawn into shape at one time, with high precision and smooth operation.
- Hollow shaft structure, high torsional rigidity, low moment of inertia.



Silicon oil cushioning in the cavity



full-size side-sliding and rotating operating platforms

- Spacious luxury cab, full ergonomic design
- Side-sliding and rotary control allows up to 90 degrees.
- Optimized steering system, reducing control force by 20%
- Standard heating and cooling air conditioning, three-dimensional air outlets, more balanced temperature
- Large LCD analog display, intuitive and accurate
- Electronically controlled proportional handle, integrated push button control
- Electronic handwheel steering for light operation



Electronic control soft start/stop

- Smooth start, avoiding piles of material on the road surface.
- Smooth parking, avoiding road congestion.
- Easy to operate, reducing the driving skill requirements for the driver;
- Based on a travel data model, the optimal start-stop control strategy is applied to achieve optimized adaptation of control, pressure, and speed curves.
- Optimizing the starting current improves the compaction quality in the starting and stopping phase.
- Built-in soft start and stop function requires no special attention from the driver and offers an excellent driving experience.

Conventional parking

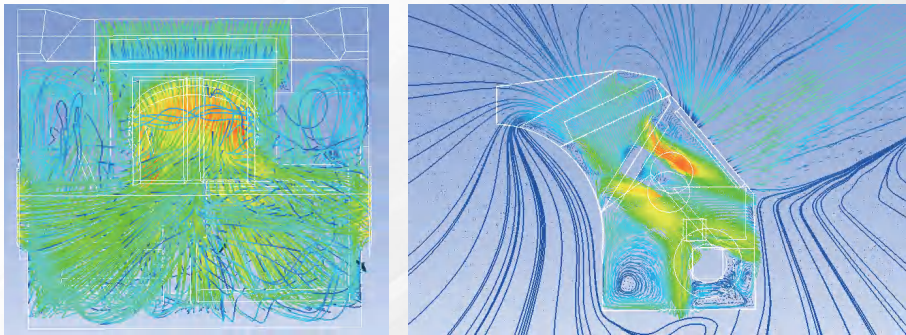


Electric control soft stop



high efficiency power performance

- Rear-mounted power system, reducing noise in the cab by 2dB.



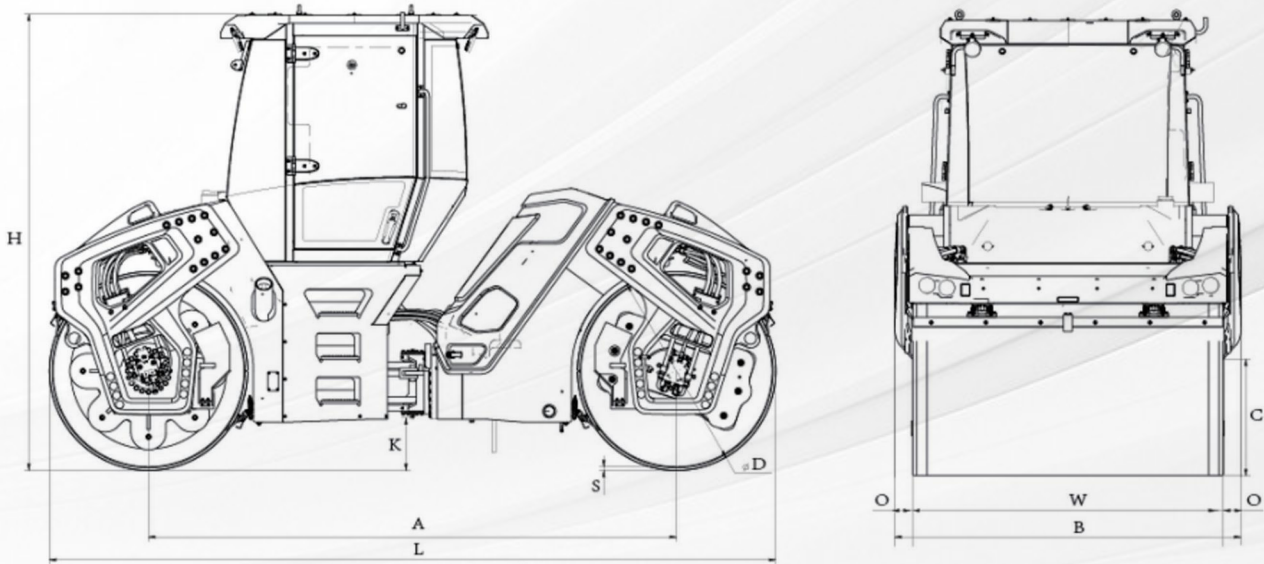
- The whole machine adopts flow field analysis to ensure reliable heat dissipation. At the same time the fan speed is reduced by 20%, noise by 1.2dB.
- Low maintenance costs
- Fuel and oil filter replacement intervals up to 500 hours
- Routine maintenance area within easy reach
- Sliding overall hood, power space at a glance



Main Technical Parameters

Items	Description	Unit	Value
Weight Parameters	Operating Weight	kg	13000
	Front Axle Weight	kg	6500
	Rear Axle Weight	kg	6500
	Static linear load (front/rear)	N/cm	318/318
Maneuverability	Operating Speed	km/h	0 - 12
	Theoretical Gradeability	-	35%
	Minimum turning radius (inside/outside)	mm	4830/6830
	Minimum Ground Clearance	mm	360
	Wheel Base	mm	3690
	Steering Angle	-	+35°
	Oscillation Angle	-	±8°
	Braking Distance	m	≤4.36
Compaction Parameters	Vibration Frequency	Hz	42/63
	Nominal Amplitude	mm	0.80/0.26
	Centrifugal force (high/low)	kN	120/88
	Drum diameter	mm	1360
	Working Width	mm	2000
Hydraulic system	Charging pressure, drive system	MPa	2.4
	Peak pressure, drive system	MPa	38
	Peak pressure, vibration system	MPa	32
	Peak pressure, steering system	MPa	17.5
Engine	Model	-	F3.8(Stage V)
	Rated Power	kW	115
	Rated Speed	r/min	2200
Miscellaneous	Drive type	-	Static hydraulic-closed type
	Driving type	-	Static hydraulic-closed type
	Service Brake	-	Hydraulic
	Parking Brake	-	Mechanical/Hydraulic
	Emergency Brake	-	Mechanical/Hydraulic
	Steering mode	-	Articulated
	Steering Control	-	Hydraulic

Appearance And Dimensions



Dimensions	A	B	C	L	H	D	S	W	O	K
XD135T	3690	2240	798	5050	3100	1360	18	2000	122	360

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

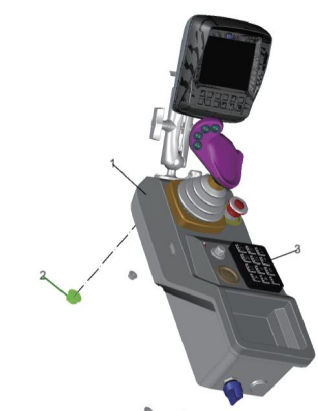
XP305S

Pneumatic Tire Roller

PIN/VIN : XUG03054VKJE02365

225704540 CONTROL BOX

Number	Material Encoding	Name	Quantity	Handle
1	225704532	CONTROL BOX STRUCTURE	1	
2	895238400	NUT M8	4	
3	225704541	CONTROL BOX ELECTRIC	1	



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PRODUCT DEBUGING

PRODUCT MONITOR

serviceSupport

Statistical

RESOURCE MANAGE

AUTHORITY MANAGE

SYSTEM MANAGE

APP MANAGE

APP USER MANAGE

EQP LINK APPROVAL

EQP TRANSFER APPROVAL

REPAIR ORDER

25438

Number of network equipment

239

Amount of work yesterday

390

Amount of work now

2907.3

Working hours yesterday

0

Access network today

0

Number of equipment fault alarms now

Overall OIL EQP OIL

30-day Data

Operating rate

Less than 30 hours

30-100 hours

More than 100 hours

Monthly Distribution of operating rate

Bar chart showing operating rate distribution

Satellite

Map of Africa and Europe with location markers

Monthly average working hours of main models

Bar chart showing working hours

Monthly workload of main models

Area chart showing workload

XP305S

Pneumatic Tire Roller

PIN/VIN : XUG03054VKJE02365

225704748 DRIVER'S CAB ASSY

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	

