

Pneumatic Tire Roller XP165U



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 XP165U

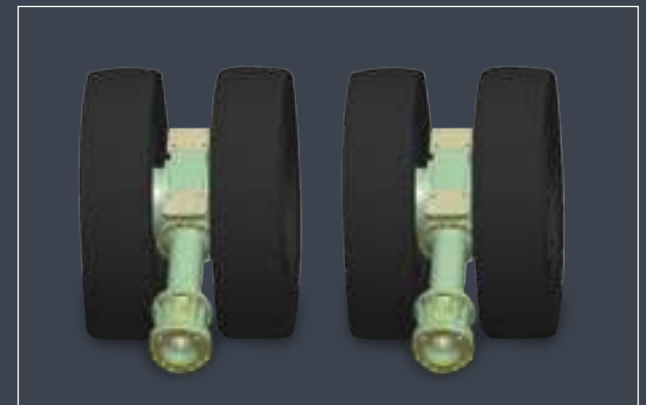
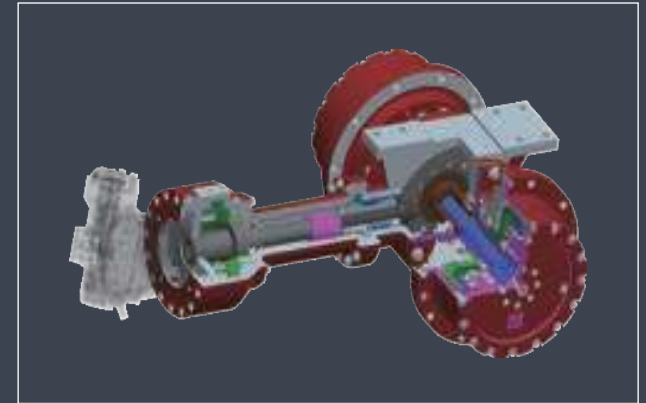
XP165U is a small-and medium-tonnage pneumatic tire roller produced in response to European and American market requirements. It utilizes pneumatic tires as working device for compacting paved materials, is mainly applicable for compaction operation on asphalt pavement, base layer, sub-base layer, dams, and filling projects for high grade highway, airports, ports, dams, and industrial construction sites.





Drive Capability

- > Climbing ability up to 30%;
- > Cutting edge dual axle drive technology provides higher traction;
- > Travel speed up to 19km/h for enhanced working efficiency.





Compaction Capacity

Using water and sands, which are easily available on construction sites, together with the mixture as ballasts to achieve infinite machine weight adjustment from 8 to 16 tons, suiting to different working conditions. Compaction capacity corresponds to selected machine weights.



	XP165U	XP165U
Machine weight (with roof/without ballast)	8500kg	18739 lb
Water ballast	2400kg	5291 lb
Dry sand ballast	3500kg	7716 lb
Wet sand ballast	4800kg	10582 lb
Ballast block	2700kg	5952 lb

Machine tonnage as follows:

Without ballast (roof)	8500kg	18739 lb
With water ballast	10900kg	24030 lb
With dry sand ballast	12000kg	26455 lb
With wet sand ballast	13300kg	29321 lb
With dry sand + ballast block	14700kg	32407 lb
With wet sand + ballast block	16000kg	35273 lb

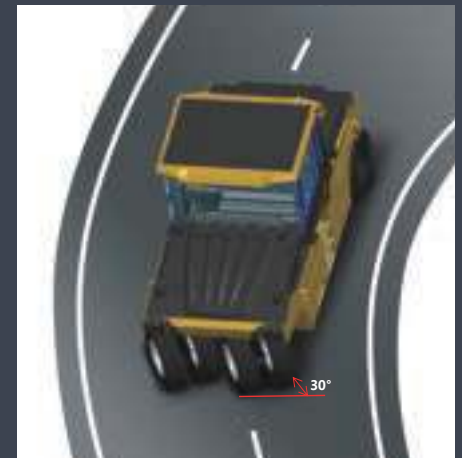


Compaction Quality

Front wheel dual-axle steering technology improves compaction quality while reduces the damage to the road surface.

Overlapped layout of front and rear wheels avoids gaps and under-compaction.

Rational gravity distribution and uniform single tire pressure delivers good compaction effect.





Man-machine Interaction - Safety

> Double rotary beacon. 360° visual warning, improve construction safety;

> Eight work lights(each 4 for front and rear) For good illumination when working at night;

> ROPS/FOPS cabin secures the safety and health of the operators;

> Double E-stop switches. Improved vehicle safety against emergencies;

> Spacious cabin with expanded visibility, reversing camera offers a good view around the machine;



> External power supply for emergency use;



Man-machine Interaction - Comfort



- ① > Good cabin insulation provides a quiet operating environment;
- ② > Air conditioner with cooling/heating function, ensures optimal cabin temperature;
- ③ > Wide suspension seat gives full support for operator and help to reduce whole body vibrations;
- ④ > Adjustable seat and steering column are arranged according to ergonomics to suit different body shapes;
- ⑤ > Electric controlled lever integrates vibration button for easy and comfortable control;

Service Accessibility

- > Engine hood can be lifted when standing outside of cabin, easy to operate;
- > Large opening of engine hood, service points within easy reach;
- > External oil filter and fuel filter for extraordinary maintenance accessibility;
- > Easy viewing LCD display and sound-light alarm on dashboard provide timely service information reminder;





Technical Specification

Item	Content	Unit	XP165U(Metric)	Unit	XP165U(in)
Weights Parameter	Maximum operating weight(wet sand + ballast block)	kg	16000	lb	35273
	Operating weight (with roof, without ballast)	kg	8500	lb	18739
	Operating weight (with water ballast)	kg	10850	lb	23920
	Operating weight (with dry sand ballast)	kg	12000	lb	26455
	Operating weight (with wet sand ballast)	kg	13200	lb	29101
	Operating weight (with water + ballast block)	kg	13650	lb	30093
	Operating weight (with dry sand + ballast block)	kg	14800	lb	32628
Maneuverability	Working speed(F)	km/h	0~19	mph	11.8
	Gradeability	%	30	%	30
	Minimum turning radius	mm	5980	in	235.43
	Minimum ground clearance	mm	280	in	11.02
	Wheel base	mm	3900	in	153.54
	Steering angle	°	±30	°	±30
	Oscillation of front wheel	mm	±50	in	1.97
	Braking distance	m	≤7	in	275.59
Compaction Performance	Drum width	mm	2075	in	81.69
	Overlapping quantity	mm	30	in	1.18
	Ground pressure	kPa	150~350	kPa	150~350
Engine	Model	CUMMINS F3.8		CUMMINS F3.8	
	Type	Turbocharged, water-cooled, electric controlled, No EGR		Turbocharged, water-cooled, electric controlled, No EGR	
	Rated power	kW	90	hp	120.69
	Rated speed	r/min	2200	rpm	2200
Tire	Spec.	11.00~20		in	
	Ply rating	16		16	
	Air pressure	kPa	600~650	kPa	600~650
Miscellaneous	Drive method	Hydraulic drive		Hydraulic drive	
	Service brake	Hydraulic brake		Hydraulic brake	
	Parking brake	Hydraulic wet multi-disc brake		Hydraulic wet multi-disc brake	
	Steering system	Front wheel steering		Front wheel steering	
	Steering control	Hydraulic		Hydraulic	

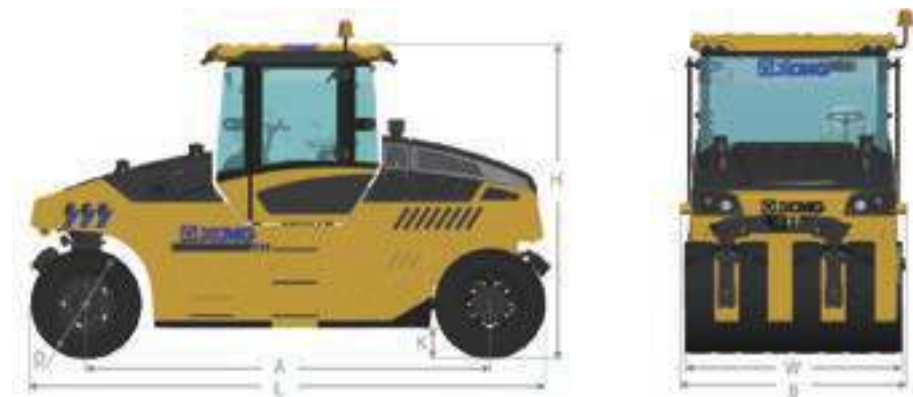
Standard and optional contents:

Functional requirements:

- > Standard intelligent controlled water spray system;
- > Standard automatic inflation system;
- > Standard reversing camera;
- > Optional separant spray system;
- > Optional 360 panoramic view system;
- > Optional anti-collision radar system;
- > Optional roof;
- > Optional insulation skirts of front and rear wheels.



Overall dimension



Dimensions (mm)	A	B	D	H	K	L	W
Metric	3900	2175	1080	3000	280	5100	2075
in	153.34	85.63	42.52	118.11	11.02	200.78	81.69

Optimum Services , XCMG Guaranteed



XCMG approved
attachments



Genuine parts



Financial
solutions



Maintenance
contract



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.

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.

XCMG Global Spare parts System



Mobile cranes



Excavators



Aerial work platforms



Wheel loaders



Road machinery

