

SOLID TO SUCCEED



PNEUMATIC ROLLER

XP245HS



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XP245HS PNEUMATIC ROLLER is a large tonnage pneumatic tire roller, which is produced according to the market demand, and uses pneumatic tires as a working tool for compacting paved materials. The pneumatic tire roller is mainly used for compacting operation of asphalt pavement. It is an ideal set of compaction equipment for the construction of high grade highway, airport. Applicable environment: altitude $\leq 3000\text{m}$, temperature $-10 \sim +45^{\circ}\text{C}$.



Main Performance And Characteristics

1 Engine

- Weichai WP4.6NG134E671 engine is adopted for complete machine, which is subject to the requirements of Indian stage V emission standard; The after treatment is DOC + DPF + SCR, with high working reliability and fuel economy, low noise and low emissions.

2 Hydraulic drive system

- Transmission system consists of hydraulic drive pump, drive motor, drive axle, chain and rear wheels. The closed loop hydraulic drive system formed by imported variable displacement pump and motor, ensures good traction ability and higher climbability. Two gears infinitely variable speeds ensure optimized working speeds under different working conditions. Soft start and soft parking delivers good operation comfort.

3 Dual-circuit braking technology

- Dual-circuit brake technology has higher brake effect, fast response speed, short brake distance and higher reliability. Guaranteeing safety of the whole machine particularly during working in mountainous area.

4 Ergonomic design

- Excellent ergonomics, easy and convenient lever control for reversing and speed regulation during construction; two sets of operation systems for left and right hand, which can improve the driver's all-around visibility and improve the roller's curb compaction performance.



High-efficiency compaction technology

- High-efficiency compaction technology, complete machine single tire load 2.6 tons, obtain strong ground pressure 430kPa, increase surface density and compaction depth. adopted Special made 13/80-20 low surface diagonal tyre, enables large amount of overlapping quantity of front and rear wheels, thus to achieve high degree of compaction. The single tire is evenly stressed, and the grounding ratio difference between front and rear tires is controlled by 1%, which further improves the compacting flatness. Hydraulic drive soft start/stop technology reduces the thrust against pavement materials.
- Brand new shape, exceptional all-around visibility; front and rear all-around visibility are 0.94m and 0.84m respectively, leading in the industry; the former all-around visibility exceeds the same industry , and the latter all-around visibility exceeds the same industry, which improves driving safety.
- New Continental combination meters, intuitive information display, modern and novel interface.



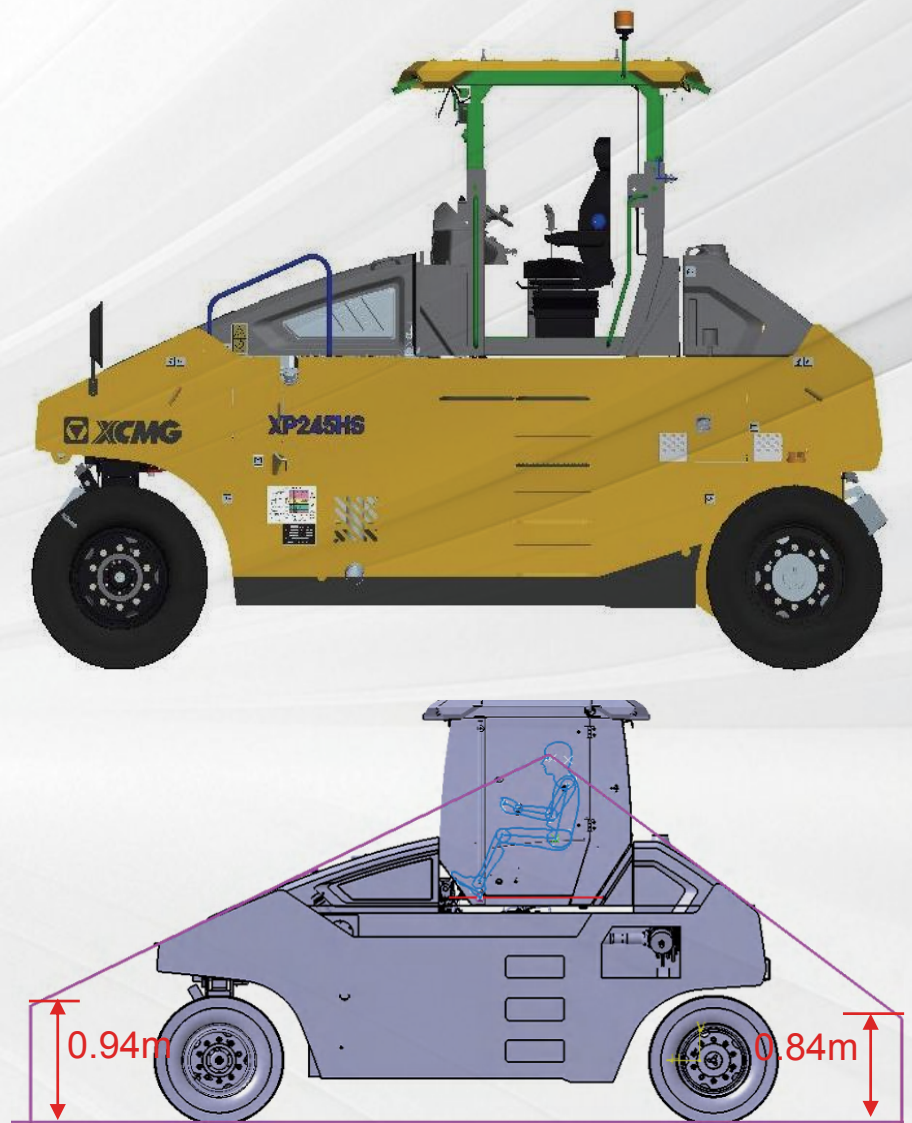
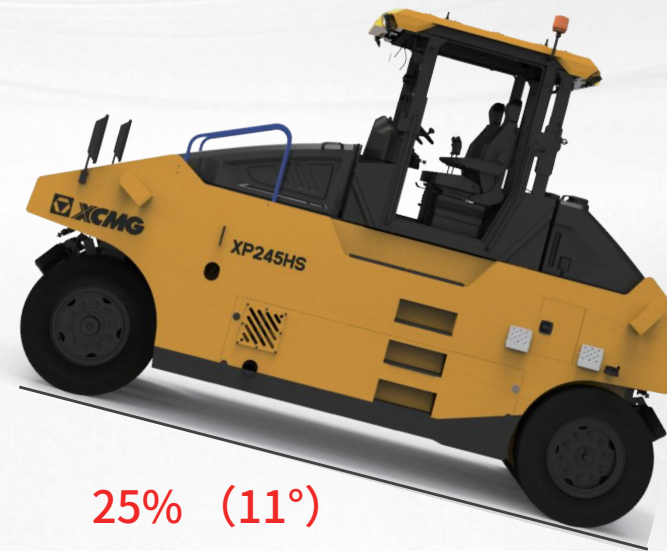
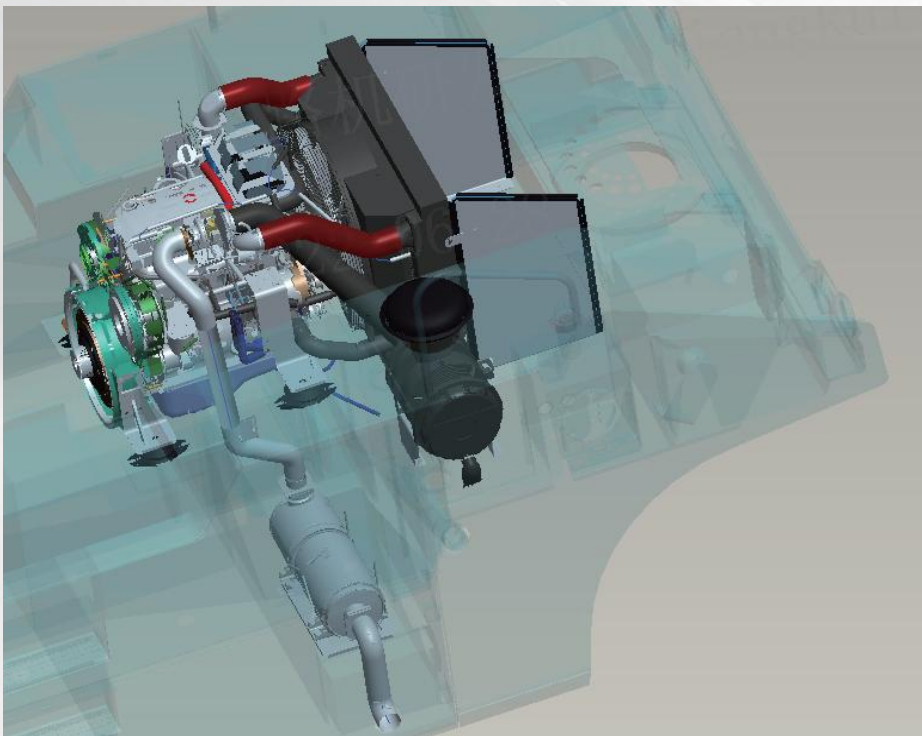
Average Contact Area



XuGong-Roller-7" Color TFT
Status:LED ON Version-1.1 2019.11.15

XP245HS Technical Features-India BS V engine

- Weichai 4.6N BS V engine, low fuel consumption, energy saving;
- Low noise, good comfort;
- After-treatment DOC+DPF+SCR to meet environmental protection requirements.
- Pump+motor+axle, hydraulic transmission, high efficiency, strong driving ability;
- Climbing ability 25%;
- Vehicle speed 0-14km/h, high operating efficiency;
- Dry multi-piece parking brake, good reliability.
- New whole machine modeling, beautiful;
- Good front and rear visibility;
- Maintenance points are easily accessible.

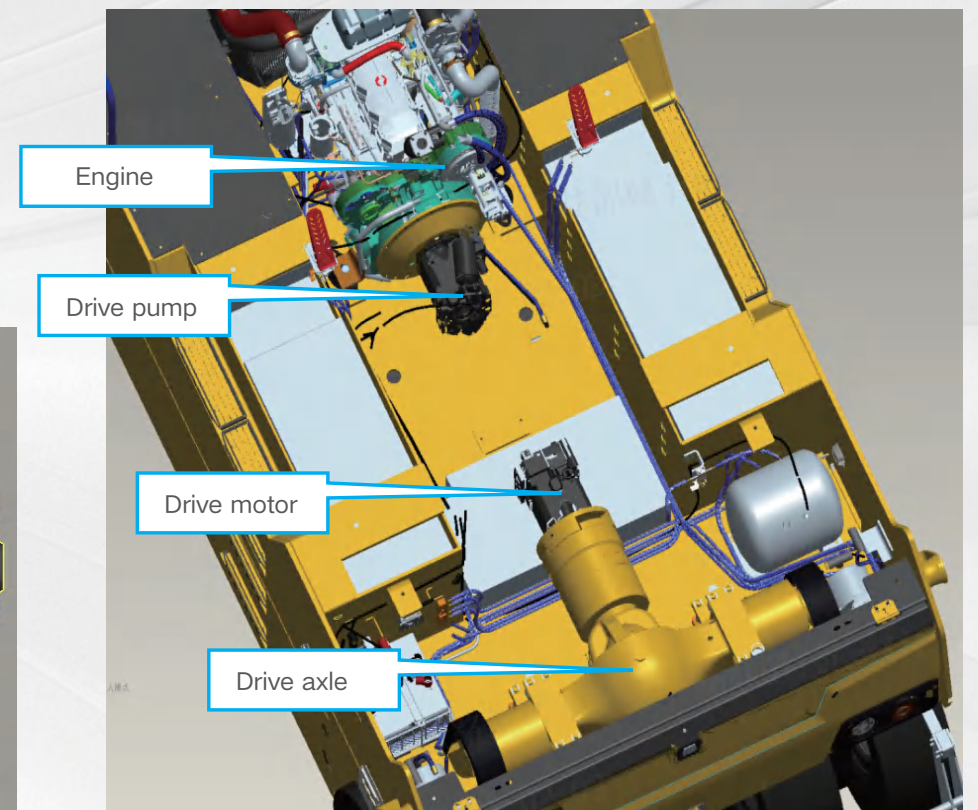
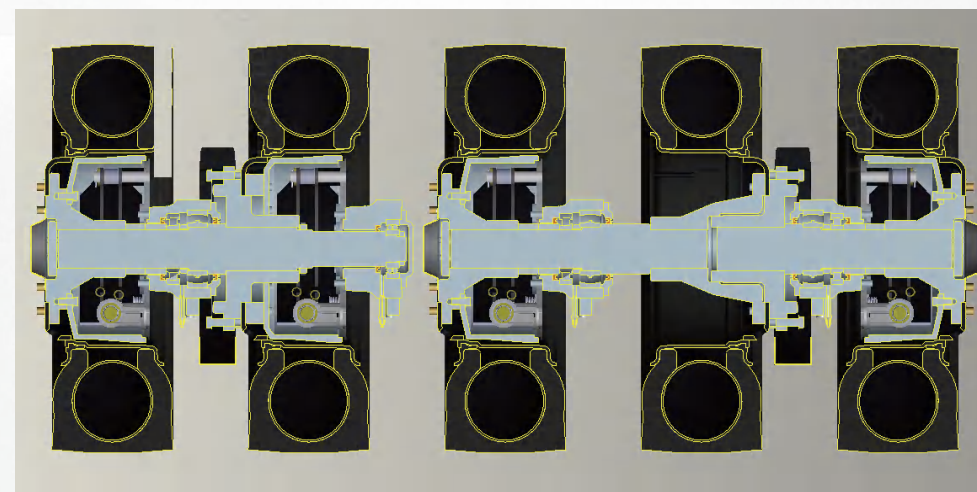
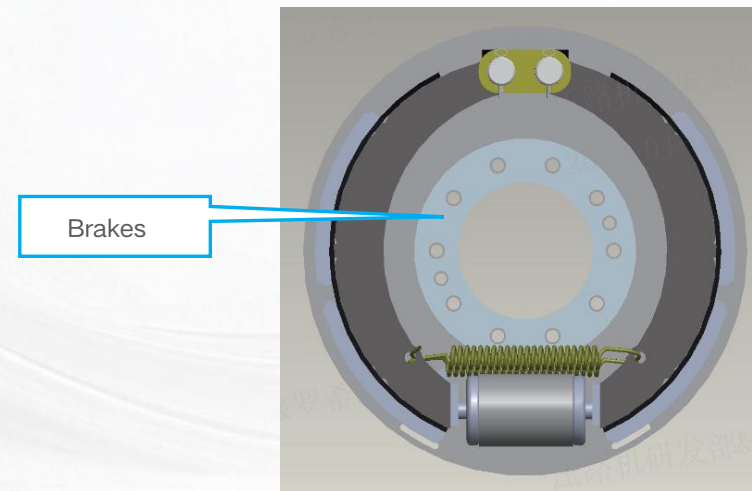


Control system

- Adoption of combination instrument and dual steering wheel maneuvering. Consistent with XP265HS.
- Double handles for direction change and speed control, easy to maneuver during construction.
- With the use of a constant flow pump, the steering is still light at low engine speeds. The effect of high speed steering can be achieved.

- The whole machine is arranged with four front and five rear tires.
- Front and rear wheels are equipped with brakes, safe and reliable.
- High-strength design, long service life of the brake.

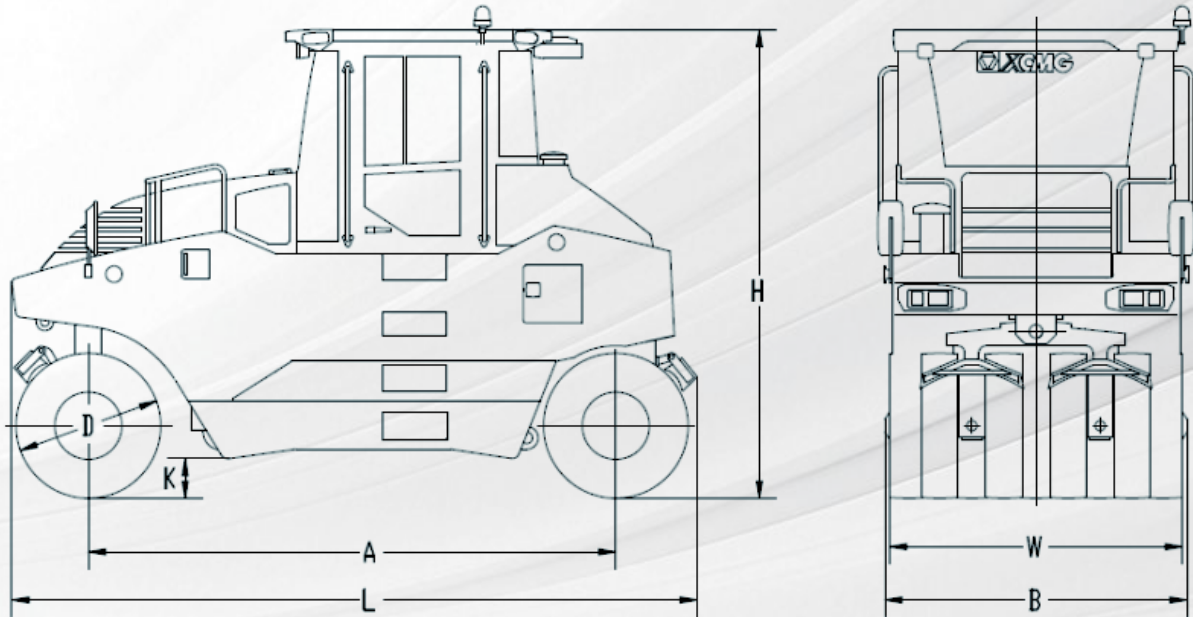
- Drive system is single pump + single motor + drive axle + chain. Simple structure, good reliability.
- Super climbing ability, loose ultra-thick pavement, the stronger the ability to get out of trouble.



Main Technical Parameters

Item	Content		Unit	XP245HS
Weight	Maximum Operating Weight		kg	24000
	Water Weight		kg	560
Maneuverability	Operating Speed	Gear I	km/h	0 - 7
		Gear II		0 - 14
	Theoretical Gradeability		%	25
	Minimum Turning Radius(outside)		mm	7900
	Minimum Ground Clearance		mm	330
	Wheel Base		mm	4000
	Braking Distance		m	≤5
Compaction	Working Width		mm	2360
Performance	Tire Overlap		mm	65
	Ground Pressure		kPa	200 - 430
Engine	Model		-	WP4.6NG134E671
	Type		-	Electronic control water-cooled
	Rated Power		kW	98
	Rated Speed		r/min	2200
Tire	Specification		-	13/80-20
	Ply Rating		-	16
	Air Pressure		kPa	600 - 650
Miscellaneous	Drive Method		-	Hydraulic drive
	Service Brake		-	Lever reset hydraulic brake + Air over shoe brake
	Park Brake		-	Dry type multi-disc brake
	Steering Method		-	Front wheel steering
	Steering Control		-	Hydraulic

Appearance and Dimensions



Size (mm)	A	B	H	K	L	★
XP245HS	4000	2500	3430	330	5100	2360

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

Number	Material Encoding	Name	Quantity	Handle
1	225704532	CONTROL BOX STRUCTURE	1	☆
2	895238409	NUT M8	4	☆
3	225704541	CONTROL BOX ELECTRIC	1	☆

Number	Material Encoding	Name	Quantity	Handle
1	225704791	CAB ASSEMBLY	1	☆
2	80500280	BOLT M16-45	9	☆
3	805004763	BOLT M10-25	16	☆
4	805046571	BOLT M16-30	2	☆
5	805046688	BOLT M16-120	4	☆
6	805301377	WASHER 16	15	☆
7	228901569	SHOCK CABSORBER	4	☆
8	229000495	BIG FLAT PLATE	4	☆
9	805239158	NUT M16	4	☆

X-GSS Global Management Platform

Overall OQ: 25438, 233, 390, 2907.3, 0, 0

Number of network equipment, Amount of work yesterday, Amount of work now, Working hours yesterday, Access network today, Number of equipment fault alarms now

Operating rate: Less than 30 hours, 30-100 hours, More than 100 hours

Monthly average working hours of main models

Monthly distribution of operating rate

Monthly workload of main models