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XUZHOU CONSTRUCTION MACHINERY GROUP IMP. & EXP. CO., LTD



XCMG Headquarters, Xuzhou Economic Development Zone,  
Jiangsu, China 221004



(+86-516) 87739230



XCMG Regional Departments:

West Asia & North Africa	(+86-516) 87739251	87739202	87739223
Asia-Pacific	(+86-516) 87739500	87739529	87739233
Central Asia	(+86-516) 87739218	87739239	87739510
North America	(+86-516) 87739285	87739551	87739713
South America	(+86-516) 87739196	87739714	87739187
Africa	(+86-516) 87739501	87739222	87739709
Europe	(+86-516) 87739238	87739271	87739228



export@xcmg.com



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<b>XP263S</b>	
<b>Operating Weight (Kg)</b>	26300
<b>Rolling Width (mm)</b>	2360
<b>Static Linear Load (N/cm)</b>	
<b>Engine Model</b>	SC8D156.2G2B1
<b>Engine Rated Output (Kw/r/min)</b>	115/1800

**XP263S/XP303S**

Tyred Roller



# XP263S/XP303S

## Tyred Roller

### Performance Characteristics

#### Comfortable operation

The wide and brightly lighted cab (with an air-conditioning option) provides a good field of vision and operational comfort. The bilateral control prevents dead corners on press edges, bends and turning points.



Full view of cab      Air conditioning

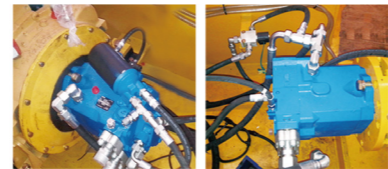
#### Convenient operation

The vehicle features two steering wheels, seats and separate control systems. The gearbox with synchroniser provides three forward and two reverse gears that will fulfil all compaction requirements. Gear changes can be performed easily with the ergonomically designed handle that offers flexible control and reduces operational fatigue.



#### Unique structure

The transmission system uses an hydraulic power transmission with continuous variable transmission performance to transfer power. The torque converter can start and adjust speed without causing any impact, reducing the shear force on the compact surface and improving overall work quality.



#### Excellent performance

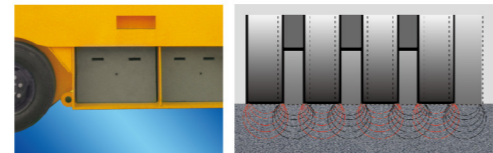
Pneumatic tyres are used to compact layers without damaging the materials. Counterweight can be added or removed by inflating the pneumatic tyres. The kneading forces created by the elastic tyres spread the material in all directions to form a uniform, dense and gap free surface that can ensure long pavement service life.



5-wheel tyre      Oil injecting device

The front roller uses a swing mechanism to ensure even ground pressure even on uneven ground surfaces to achieve even compaction.

The optional oil sprinkler can remove any asphalt that is stuck on the tyres, ensuring high work quality.



Counterweight block of tyred roller      Compaction Schematic Diagram

#### Energy efficient and green

The vehicle uses a high performance, low noise supercharged diesel engine that is robust and offers great economic value. In addition, it also adheres to National Level II emission standards.



Engine

#### Safe and reliable

The braking system features both emergency and manual braking. The emergency brake uses an air-oil cylinder design to ensure safety and durability. Manual braking is done through a diaphragm spring which complements the foot brake to ensure safe and reliable operation.

An air cylinder with double the volume is used to provide a larger reserve coefficient, ensuring performance even on terrains that require frequent braking, such as mountains. For the first time in China, a dual circuit full roller braking system is used to provide great braking efficiency, fast response, short braking distance and enhanced reliability.



#### Leading function

The XP263S/XP303S sprinkler system can satisfy different operational requirements. It extends the service life of the water pump, while preventing downtime due to water channel issues.

The optional oil sprinkler provides further customisation and can remove any asphalt that is stuck on the tyres, ensuring high work quality.



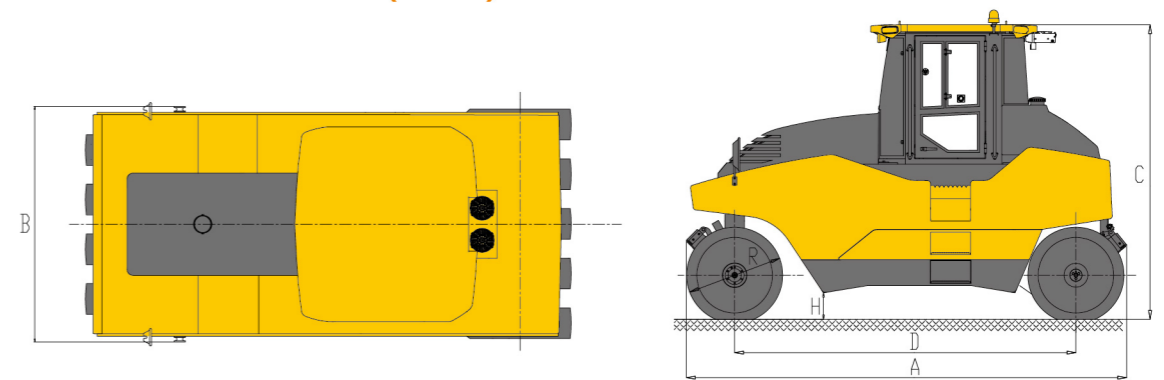
Spray nozzle      Water filter

#### Easy maintenance

The engine hood can be opened easily and a detachable cover plate is installed at the back of the machine. The space can be opened up by tilting the water tank to facilitate easy inspection, adjustment and maintenance of the battery, pump system and chain.



### Overall Dimensions (mm)



Model	A	B	C	D	R	H
XP263S	5100	2420	3380	3840	1048	290
XP303S	5100	2420	3380	3840	1048	290

### Main Technical Parameters

Item	XP263S		XP303S		Unit
	XP263S	XP303S	XP263S	XP303S	
Weights	Min. operating weight	15000	15000	15000	kg
	Max. operating weight	26300	30300	30300	kg
	Counterweight water weight	650	650	650	kg
	Counterweight weight	10550	14550	14550	kg
Driving Characteristics	Theoretical gradeability	20	20	20	%
	Min. outer turning radius	7620	7620	7620	mm
	Min. ground clearance	300	300	300	mm
	Travel speed	Gear I(F/R) 0~8 Gear II 0~13	0~8 0~13	0~8 0~13	km/h
Compaction Characteristics	Overlapping of front & rear tyre	65	65	65	mm
	Swing height of front wheel	±45	±45	±45	mm
	Compacting width	2360	2360	2360	mm
	Ground pressure	200~470	200~545	200~545	kPa
	Tire specification	13/80-20	13/80-20	13/80-20	
	Tires pattern	Smooth	Smooth	Smooth	
Dimensions	Numbers of tyres	4-front and 5-rear	4-front and 5-rear	4-front and 5-rear	
	Wheelbase	3840	3840	3840	mm
Engine	Model	SC8D156.2G2B1	SC8D175.2G2B1	SC8D175.2G2B1	
	Rated speed	1800	1800	1800	r/min
	Rated power	115	128	128	kW
	Engine oil consumption	205	205	205	g/kW·h
	Water tank capacity	650	650	650	L
Service Refill Capacities	Hydraulic oil tank capacity	100	100	100	L
	Fuel tank capacity	180	180	180	L