

HIGH PERFORMER



VIBRATORY ROLLERS

XS185S
XS185PD

Product Specifications

OPERATING WEIGHT
18 t (Smooth) 18.8 t (Padfoot)

RATED POWER
142/2200 kW/rpm

VIBRATION FREQUENCY
28/33 Hz

ENGINE
Cummins QSB5.9

SPECIFICATIONS

The XCMG XS185S and XS185PD roller is uniquely powerful, rugged, energy efficient, safe and consistent – as well as being simple to maintain. The hydraulic drive, single drum vibratory roller features high vibratory force, producing high compaction efficiency and quality. It is used widely in compaction work on base layer, sub-base layer and rock fill for roads, railways, airports, harbors, dams and industrial construction sites.

COMPACTION PERFORMANCE



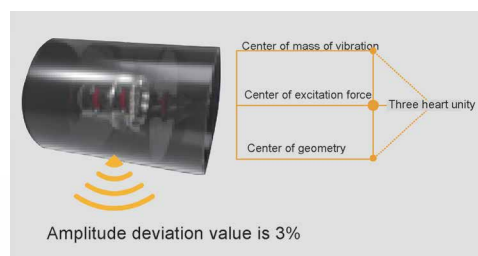
Dual Frequency & Dual Amplitude

340/240kN vibration force achieves maximum compaction depth and is adaptable to different materials.



COMPACTION QUALITY

The drum "three center coincidence" technology and the amplitude uniformity control technology, guarantee the compaction quality and improve the efficiency of dynamic and static compaction.



INTERACTIVE-ILLUMINATION

- Four LED working lights at the front and rear of the cab, provide excellent illumination for night operation.
- Back-up lights, steering signals, and rotating beacon lights provide better signalling.

COMFORTABLE & SAFE CABIN

- ROPS/FOPS cabin insulation provides a quiet operating environment.
- Standard heating/cooling air conditioning, three-dimensional fan for balanced internal temperature.
- Adjustable air suspension seat provides full support for operator and reduces whole body vibrations.
- Reversing camera provides excellent driving visibility.



EXTRAORDINARY TRACTION

Powerful CUMMINS engine, up to 50% gradeability, drive axles with anti-slip differential for more efficient torque transmission.

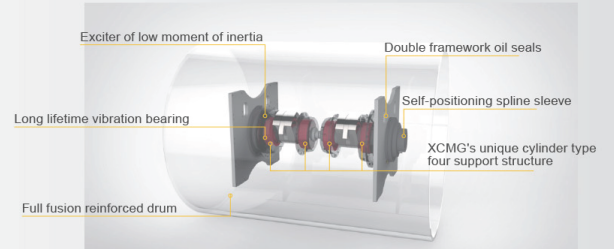


SUPERIOR RELIABILITY

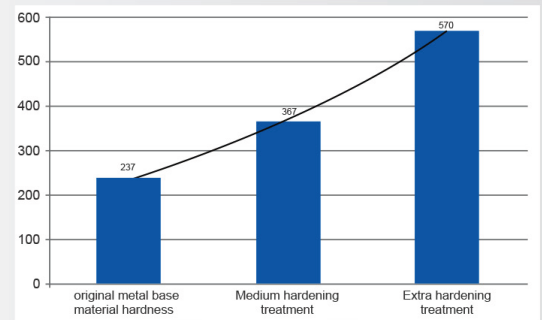
Through the fault diagnosis function, the large LCD display shows real-time parameters of the whole machine, as well as maintenance and repair information and the engine's working status.



Lifetime of long life drum 10000 hours
Average lifetime of industry 5000 hours



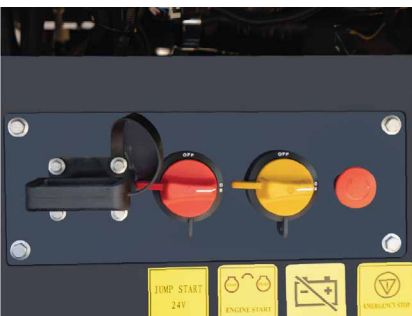
Durable full-fusion reinforced drum; XCMG special long-life vibration bearings, the theoretical life of up to 10,000h.

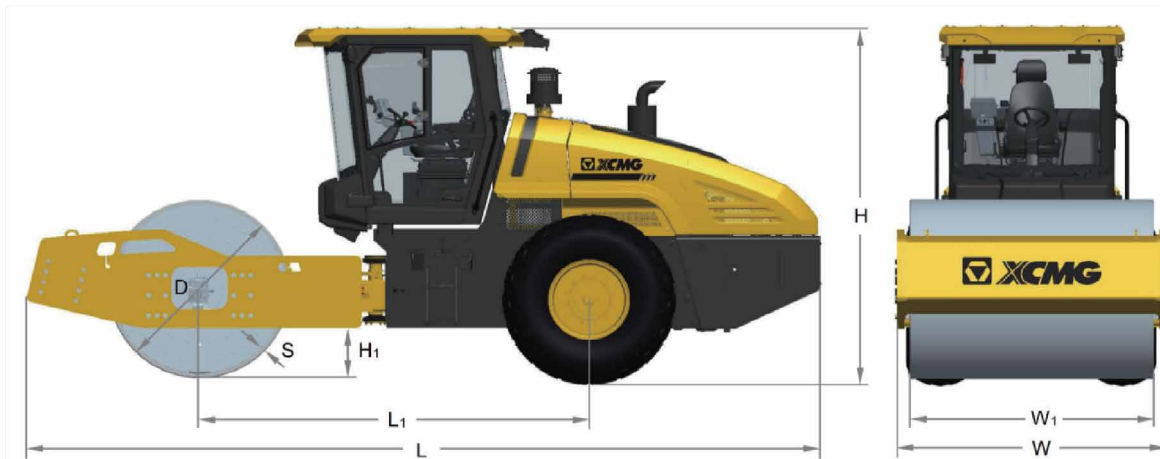


Medium hardening treatment, steel hardness can be increased by 55% on the basis of the original metal base material hardness; Extra hardening treatment, steel hardness can be increased by 140% on the basis of the original metal base material hardness, which is suitable for vibration wheels under severe working conditions.

EASY TO SERVICE

- Linear drive support hood lifting mode, enables large opening angle, allow easy access to maintenance parts
- The one-button operation in the cabin brings great convenience for maintenance.





Dimensions (mm)	L	L1	W	W1	H	H1	S	D
XS185S Smooth Drum	6990	3430	2350	2130	3200	490	36	1523
XS185PD Padfoot	6990	3430	2350	2130	3200	490	36	1735

TECHNICAL SPECIFICATIONS

WEIGHT PARAMETRES	SMOOTH	PADFOOT
Operating weight	18000 kg	18800 kg
Front axle weight	11500 kg	12300 kg
Rear axle weight	6500 kg	
Static linear load	540 N/cm	-

PROPEL PERFORMANCE

Operating speed (1st/2nd gear)	0-10.3 km/h	0-11
Theoretical gradeability	50%	
Min. turning radius (extern.)	6900 mm	
Min. ground clearance	490 mm	
Wheel base	3430 mm	
Steering angle	+- 33°	
Oscillating angle	+- 10°	

COMPACTION PERFORMANCE

Vibration frequency (LF/HF)	28/33 Hz	
Nominal amplitude (high/ low)	1.86/0.93 mm	1.6/0.8 mm
Exciting force (LF/HF)	340/240 kN	
Drum diameter	1523 mm	1735 mm
Compaction width	2130 mm	

ENGINE	SMOOTH	PADFOOT
Model	Cummins QSB5.9	
Rated power	142 kW	
Rated speed	2200 RPM	

TYRES

Spec.	23.1-26-12G23TL	23.1-26-12R1TL
Ply rating	12	
Air pressure	150-170 kPa	170 kPa

SERVICE REFILL CAPACITIES

Fuel tank	300 L
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