

HEAVY DUTY



COMPACTION



VIBRATORY ROLLERS

XS205S
XS205SPD

Product Specifications

OPERATING WEIGHT
20 t (Smooth) 20.8 t (Padfoot)

RATED POWER
142/2200 kW/rpm

VIBRATION FREQUENCY
28 Hz (Smooth) 33 Hz (Padfoot)

ENGINE
Cummins QSB5.9

SPECIFICATIONS

The XCMG XS205S & XS205SPD vibratory road roller is a new generation of technology and maximised performance. The XS205S roller is uniquely powerful, rugged, energy efficient, safe and consistent – as well as being simple to maintain. Equipped with a Tier 3 emission Cummins engine, premium hydraulic system, spacious and comfortable cabin, and a wide angle of visibility, the entire roller offers significant advantages relating to reliability, efficiency, comfort and control.

FEATURES

■ **HEAVY DUTY DRUM**

Inner-cylinder drum chamber is simple and robust for excellent performance, long lifetime and exceptionally high reliability.

■ **EFFICIENT MAINTENANCE**

The linear drive support opening mode of the main hood, and large opening angle enables better accessibility of all parts.

■ **COMFORTABLE CABIN**

The cab's ergonomic design features an adjustable steering wheel, air suspension seat with seat belt, adjustable armrest control box and ample space for storage.

■ **CUMMINS ENGINE**

Renowned Cummins QSB5.9-C190 190 HP water-cooled turbocharged engine with high power reserve, low fuel consumption and low noise emissions.

■ **EXCELLENT GRADEABILITY**

Closed loop hydraulic system supplied by a variable pump and quantitative motor, using dual frequency and amplitude and matching of static linear load.

■ **WIDE ANGLE VISIBILITY**

Intelligently designed windows and a high operator seat position ensure the work area around the drum is clearly visible during operation.

■ **OPTIONAL VARIANTS**

The XS205S vibratory drum roller is available as either Smooth drum or Padfoot drum variants, offering you options to best suit your requirements.

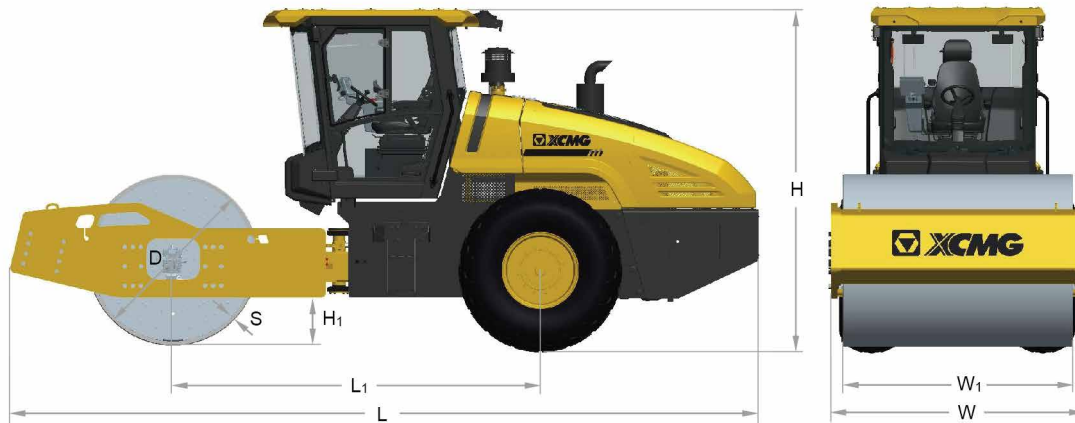
■ **EXCEPTIONAL COMPACTION**

Variable displacement piston pump and constant displacement hydraulic motor result in dual vibrating frequency and amplitude for excellent compaction.

■ **TORQUE & TRACTION**

The cabin uses 3D shock absorbing technology and an optimal arrangement of the vibrating drum shock absorber to guarantee an excellent shock absorbing effect.





| Dimensions (mm) | L | L1 | W | W1 | H | H1 | S | D |
|--------------------|------|------|------|------|------|-----|----|------|
| XS205S Smooth Drum | 6990 | 3430 | 2350 | 2130 | 3200 | 490 | 40 | 1600 |
| XS205SPD Padfoot | 6990 | 3430 | 2350 | 2130 | 3200 | 490 | 40 | 1812 |

TECHNICAL SPECIFICATIONS

| WEIGHT PARAMETRES | SMOOTH | PADFOOT |
|--------------------|----------|----------|
| Operating weight | 20000 kg | 20800 kg |
| Front axle weight | 13500 kg | 14300 kg |
| Rear axle weight | 6500 kg | |
| Static linear load | 621 N/cm | - |

PROPEL PERFORMANCE

| | | |
|-------------------------------|-------------|---------|
| Operating speed (F/R) | 0-10.6 km/h | 10-11.3 |
| 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 | 28 Hz | 33 Hz |
| Nominal amplitude | 1.90/0.95 mm | 1.65/0.8 mm |
| Exciting force | 385 kN | 270 kN |
| Drum diameter | 1600 mm | 1812 mm |
| Compaction width | 2130 mm | |

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

TYRES

| | |
|--------------|-------------|
| Spec. | 231-26-12PR |
| Ply rating | 12 |
| Air pressure | 150-170 kPa |

SERVICE REFILL CAPACITIES

| | |
|-----------|-------|
| Fuel tank | 300 L |
|-----------|-------|

