

QUALITY COMPACTION

PADFOOT & SMOOTH DRUM



MADE FOR AUSTRALIAN CONDITIONS



VIBRATORY ROLLER

XS165/XS165PD

Product Specifications

OPERATING WEIGHT
16 t (Smooth) 16.8 t (Padfoot)

RATED POWER
119 kW / 2200 rpm

DRUM WIDTH
2.13 m

ENGINE
Cummins QSB4.5

Built for tough Aussie conditions.



MACHINE WALKAROUND

ENGINE

Cummins QSB4.5
Water-cooled
Turbocharged

HYDRAULIC SYSTEM

Hydraulic vibration
Hydraulic drive
Hydraulic steering
Maintenance-free steering cylinder bearing

LCD DISPLAY

Parking brake
FWD/RVS
Working modes
Compaction performance
Service and repair information
Fuel tank indicator (fuel tank level)
Hour meter

CABIN

ROPS & FOPS
Radio/ USB player
Speakers
USB charging port
12 V power supply interface
Power converter port
Left and right openable windows
Fan

A/C and heating
Fresh air system
Independent cooling
Electric control handle
Wiper and washer (front and rear)
Rear glass defrosting
Mechanical floating seat
Seat belt
Key start/stop
Power master switch
Power cut-off
Reverse camera
Shade screens (front and rear)
Cup holder
Magazine pouch

LIGHTING

2 headlights
4 combination lights (2 front, 2 rear)
10 LED working lights (4 front roof, 4 rear roof, 2 rear hood)
LED cabin light
Beacon*

WORKING DEVICE

Smooth drum*
Padfoot drum*
Automatic vibration
No impact on vibration of eccentric block

PRODUCT HIGHLIGHTS

- The drive system features electric proportional anti-slip control for up to 60% climbing ability, double hydraulic drive for enhanced traction, and anti-slip differential axles to optimise torque transmission and performance across varied terrain.
- Compaction quality is ensured through advanced drum technology with "three centre coincidence" and amplitude uniformity control, delivering consistent compaction force and improved efficiency in both dynamic and static operations.
- High compaction performance is achieved with dual frequency/amplitude and up to 340kN vibration force, while a spacious, ergonomically designed, fully insulated cabin - with advanced visibility, climate control, and operator safety - features enhanced comfort and productivity.

Tyres: 23.1-26-12G23TL

Herringbone tyre*
X-ray ASC electric anti-slip proportion
Dozer blade*
Rotary beacon*

BUTTONS & SIGNALS

Turning signal
Fuel level

SAFETY FEATURES

Emergency stop
Emergency brake switch
Reversing buzzer
Emergency escape hammer
Rear view camera
Fire extinguisher*
Active noise control module

OTHER

Tool kit
Flippable cab
ECO energy saving mode
No-SPIN drive axle



EXCELLENCE IN COMPACTION

The XCMG XS165 and XS165PD hydraulic drive, single drum vibratory roller features high vibratory force. Producing high compaction efficiency and compaction quality, it is used widely in compaction work on base layer, sub-base layer and rock fill for roads, railways, airports, harbours, dams and industrial construction sites.

DRIVE CAPABILITY

Electric proportional anti-slip control enables up to 60% climbing ability.

Front and rear double hydraulic drive systems provide greater traction capability.

Drive axles with anti-slip differential enables more efficient torque transmission.

COMPACTION QUALITY

Three centre coincidence.

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



COMPACTION PERFORMANCE

Dual frequency and dual amplitude.

236/340kN vibration force achieves maximum compaction depth and is adaptable to different materials.



Drift Sand



Gravel Soil



INTELLIGENTLY DESIGNED

HUMAN-MACHINE INTERACTION & SECURITY



1. ENHANCED DRIVING VISIBILITY

Large, curved glass, narrow waist design of rear frame, standard reversing camera and radar provide excellent driving visibility.

2. EXTERNAL POWER SUPPLY

External power supply for jump starting machine.

3. EASY EMERGENCY SHUTDOWN

External E-stop, providing easy emergency shutdown.

4. ROPS/FOPS SAFETY CABIN

Full ROPS/FOPS cabin for operator safety.

5. VIBRATION-INSULATED CABIN

All-around insulated cabin to reduce the vibration of compaction on the driver.

6. EFFICIENT WINDOW DEFROSTING

Front warm-air defrosting and rear heated wire windshield provide rapid defrosting and efficient defogging.

7. 360° SAFETY AWARENESS

Double rotary warning light and 360° vision camera and reversing alarm.

8. POWERFUL LED ILLUMINATION

Four LED working lights at the front and rear of cab provide excellent illumination.

EASE OF CONTROL AND SERVICING

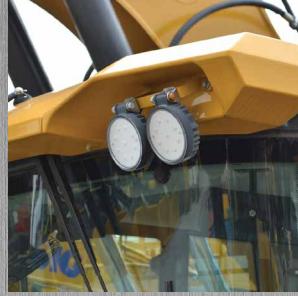
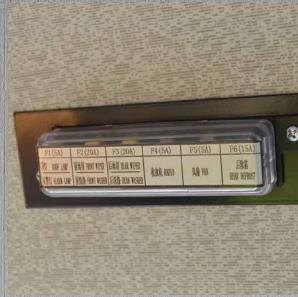
The XS165 and XS165PD cabin configurations are built with a large operator space and ergonomic control layout. The controls, travel pedals, and adjustable wrist rests, are designed to reduce operator fatigue and increase productivity.

- 1 Cabin insulation provides a quiet operating environment.
- 2 Standard heating/cooling air conditioning, three-dimensional fan for balanced internal temperature, the fresh air system makes cleaner air in cabin.
- 3 Wide suspension seat provides full support for operator and reduces whole body vibrations.
- 4 Adjustable seat and steering column are engineered for optimised ergonomics for operator comfort.
- 5 Electronic joystick integrates the drum vibration button for easy operation and precise control during compaction tasks.
- 6 Easy viewing LCD display and audio-visual alarm on dashboard, provides service and repair information.
- 7 External oil filter and fuel filter for convenient servicing.
- 8 Engine hood is opened from ground level providing easy access.



"A really friendly group of people with a huge range of equipment."

Alan Hall
Brooks Equipment Customer



XS165/XS165PD

Vibratory Roller

DIMENSIONS & SPECIFICATIONS

BROOKS
EQUIPMENT



Scan to view the XS165 Scan to view the XS165PD
product brochure product brochure

MAIN SPECIFICATIONS

ENGINE

Model	QSB4.5
Type	Turbocharged water-cooled electric control
Rated Power	119 kW
Rated Speed	2200 rpm

WEIGHT PARAMETERS

Max. Operating Weight	
Smooth Drum	16,000 kg
Padfoot Drum	16,800 kg
Front Axle Weight	
Smooth Drum	10,800 kg
Padfoot Drum	11,650 kg
Rear Axle Weight	5200 kg
Static Linear Load	
Smooth Drum	507 N/cm
Padfoot Drum	/

MANOEUVRABILITY PARAMETERS

Operating Speed (1st/2nd gear)	0-11 km/h
Theoretical Gradeability	
Smooth Drum	60%
Padfoot Drum	45%
Min. External Turning Radius	3766 mm
Min. Ground Clearance	
Smooth Drum	417 mm
Padfoot Drum	567 mm
Wheel Base	3060 mm
Steering Angle	±35°
Oscillation Angle	±10°

SERVICE REFILL CAPACITIES

Fuel Tank	260 L
Urea Tank	12 L

COMPACTION PERFORMANCE

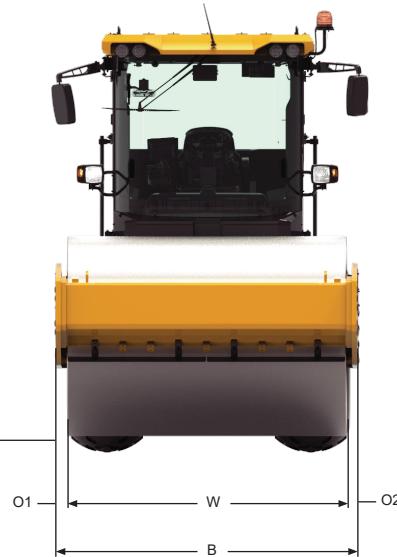
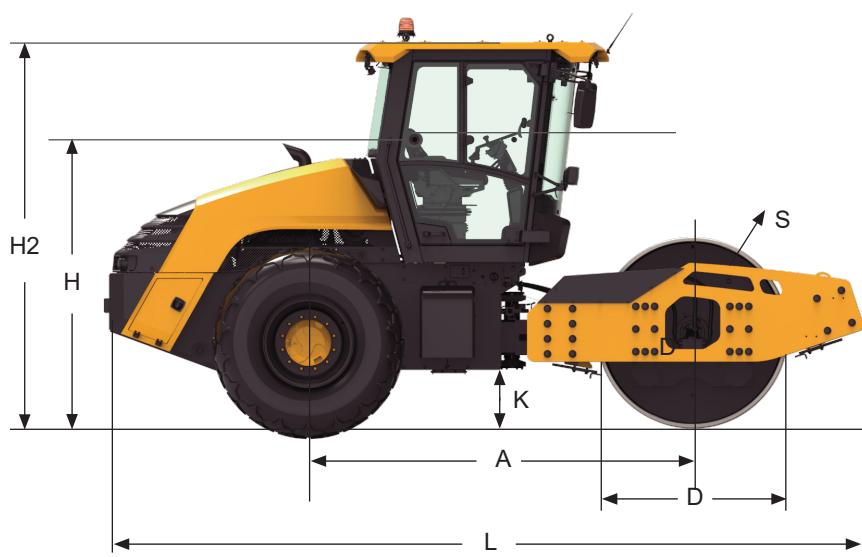
Vibration Frequency (LF/HF)	28/33 Hz
Nominal Amplitude (High/Low)	
Smooth Drum	2.0/1.0 mm
Padfoot Drum	1.8/0.9 mm
Exciting Force (LF/HF)	340/236 kN
Drum Diameter	
Smooth Drum	1523 mm
Padfoot Drum	1735 mm
Compaction Width	2130 mm

TYRE

Spec.	23.1-26-12G23TL
Ply Rating	12
Air Pressure	
Smooth Drum	200 kPa
Padfoot Drum	170kPa

MAIN DIMENSIONS - XS165

A	Wheel Base	3060 mm
B	Total Width	2300 mm
D	Drum Diameter	
	Smooth Drum	1523 mm
	Padfoot Drum	1735 mm
H	Height (Top of Exhaust Pipe)	2390 mm
H2	Total Height (Top of Cab)	3040 mm
K	Ground Clearance	467 mm
L	Total Length	6010 mm
O1		85 mm
O2		85 mm
S		30 mm
W	Drum Width	2130 mm



SERVICE LIKE NO OTHER



QUALITY



Quality tested machines, developed and built for Australian conditions.

GUARANTEE



All of our XCMG models come with first class warranty cover.

ANY TIME



Our team of experts are available 24 hours a day, 7 days a week.

With a dedicated Field Service team of qualified HD Mechanics, and access to OEM parts, you're connected to the best after sales support for your machine's full lifetime.



PARTS ON YOUR DOORSTEP

Access to parts and support is made easy through XCMG's Australian Technical and Service Centre.

SUPPORT FROM BRANCHES AUSTRALIA WIDE



With Brooks Equipment branches Australia-wide, you have complete coverage for support and servicing, wherever you are in the country.

Discover more about your XCMG machine



1300 BROOKS (276 657)

sales@brooksequipment.com.au

www.brooksequipment.com.au

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