

XS165



XS165

Vibratory Roller

XS165/XS165PD is a large, self-propelled, hydraulic, double-drive, single-drum vibratory roller. This product fulfills the requirements of the European Stage III emission standards. It delivers powerful centrifugal force, outstanding compaction efficiency, and reliable quality, and is widely used in compaction tasks for base layers, sub-base layers, and rock fills across highway, railway, airport, port, dam, and industrial construction projects. The equipment is suitable for altitude ≤ 3000 meters, temperature $> -10^{\circ}\text{C} \sim +45^{\circ}\text{C}$.

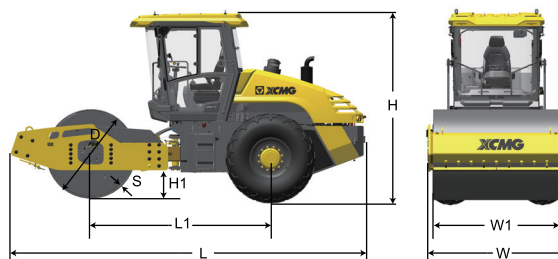
Performance and characteristics

- The machine uses the latest series "5" industrial design with compact structure and aesthetic feature;The whole machine is designed with the best front and rear 1×1m visibility. Fuel oil filter, hydraulic oil filter, oil and water outlet are designed for good accessibility;The reversible cabin, large opening hood and centralized pressure measuring points make the maintenance of the whole machine is more convenient. Options like padfoot drum, herringbone tire, dozer blade, reversing radar image, rotary beacon etc. provide users with more diversified choices.
- This machine utilizes Cummins electrical control engine, water-cooled, turbocharged with big power reservation, low fuel consumption and noise.
- Closed loop hydraulic drive system with Danfoss piston pump and piston motor and X-ASC control system ensure better drive performance and higher gradeability. Two gears infinitely variable speeds ensure optimized working speeds under different working conditions.

Main Dimensions

Unit: mm

Model	D	H	H1	L	L1	S	W	W1
XS165	1523	3040	467	6010	3060	36	2300	2130
XS165	1735	3195	567	6010	3060	36	2300	2130
XS165D	1735	3195	567	6010	3060	36	2300	2130



Main specifications

Item	Content	Unit	XS165(Smooth Drum)	XS165PD(Padfoot Drum)	XS165PD II (Padfoot Segment)
Weight Parameters	Maximum Operating Weight	kg	16400	17250	17600
	Operating Weight	kg	16000	16850	17200
	Front Axle Weight	kg	10800	11650	12000
	Rear Axle Weight	kg	5200	5200	5200
	Static Linear Load	N/cm	497	-	-
Mobility Parameters	Operating Speed	Km/h	0-11.00	0-11.85	0-11.85
	Theoretical Gradeability	%	60%	45%	45%
	Minimum Turning Radius (Inside)	mm	3766	3766	3766
	Minimum Ground Clearance	mm	417	517	517
	Wheel Base	mm	3060	3060	3060
	Steering Angle	°	±35	±35	±35
	Oscillation Angle	°	±10	±10	±10
	Braking Distance	m	3.9	3.9	3.9
Compaction Parameters	Vibration Frequency	Hz	28/33	28/33	28/33
	Nominal Amplitude	mm	2.0/1.0	1.8/0.9	1.8/0.9
	Centrifugal Force (High/Low)	kN	340/236	340/236	340/236
	Compaction Width	mm	2130	2130	2130
Hydraulic System	Charging Pressure, Drive System	MPa	2.4	2.4	2.4
	Peak Pressure, Drive System	MPa	40	40	40
	Peak Pressure, Vibration System	MPa	40	40	40
	Peak Pressure, Steering System	MPa	25	25	25
Engine	Model	-	QSB4.5	QSB4.5	QSB4.5
	Type	-	Turbocharg- er Water-Cooled Electrical Control	Turbocharg- er Water- Cooled Electrical Control	Turbocharg- er Water- Cooled Electrical Control
	Rated Power	kW	119	119	119
	Rated Speed	r/min	2200	2200	2200
Tires	Specifica- tion	-	23.1-26-12G23TL	23.1-26-12R1TL	23.1-26-12R1TL
	Ply Rating	-	12	12	12
	Air Pressure	kPa	200	170	170
Others	Drive Mode	-	Static Hydraulic Closed-Loop	Static hydraulic closed-loop	Static Hydraulic Closed-Loop
	Vibration Method	-	Static Hydraulic Closed-Loop	Static Hydraulic Closed-Loop	Static Hydraulic Closed-Loop
	Service Brake	-	Hydraulic-l-y	Hydraulic-l-y	Hydraulic-l-y
	Parking Brake	-	Mechanical/Hydraulic	Mechanical/Hydraulic	Mechanical/Hydraulic
	Secondary Brake	-	Mechanical/Hydraulic	Mechanical/Hydraulic	Mechanical/Hydraulic
	Steering Method	-	Articulated	Articulated	Articulated
	Steering Control	-	Hydraulic-l-y	Hydraulic-l-y	Hydraulic-l-y

Notes:

Specifications and configurations may vary depending on options and regional regulations. XCMG reserves the right to make changes to specifications without prior notice.



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