

XS365M

XS365M

VIBRATORY ROLLER

The XS365M full-hydraulic single-drum vibratory roller is an ultra-heavy-duty compaction machine designed for mining applications, specifically for deep fill compaction and mining area road compaction. It is an ideal solution for open-pit mine road maintenance, tailings dams, and large-thickness site fills.

The machine is equipped with a high-power engine and features multiple adaptive designs tailored to mining compaction conditions, enabling it to better meet the requirements of mining operations. This roller is suitable for operation at altitudes up to 4000 m and ambient temperatures from -15°C to $+50^{\circ}\text{C}$.

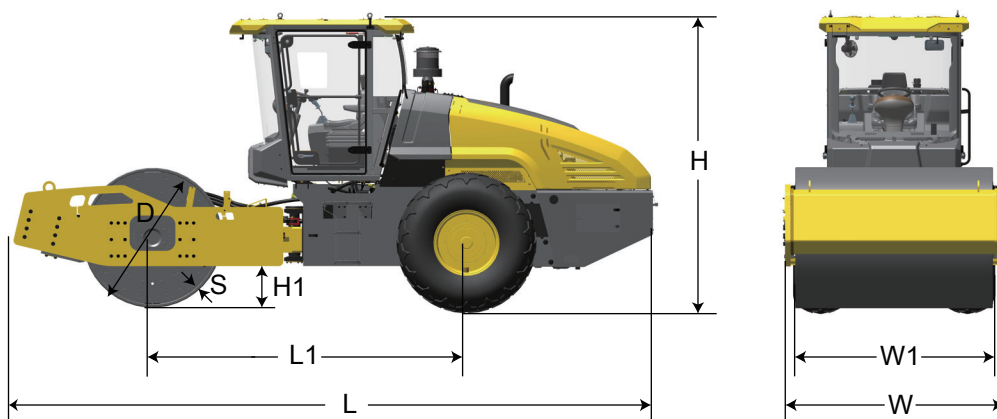
Main Performance Features

- Infinite speed controls with both drums powered for high traction and gradeability.
- Compact design with small turning radius for high maneuverability.
- High performance power train consisting international well-proven components.
- The power sprinkling system can be switched ON and OFF by one switch, and ensures homogeneous drum watering.
- The large opening angle of the engine hood and the easy to reach service points reduce maintenance affords significantly.
- Imported Japan NSK vibration bearing, high reliability.

Overall Dimensions

Unit: mm

Model	D	H	H1	L	L1	S	W	W1
XS365M	1712	3478	515	7592	3460	46	2900	2400
XS365MPD	1864	3560	515	7592	3460	46	2900	2400



Main specifications

Item	Content	Unit	Parameter		Item	Content	Unit	Parameter	
			XS365M Smooth Drum	XS365M PD Segment				XS365M Smooth Drum	XS365M PD Segment
Weight Parameters	Operating Weight	kg	36000	38400	Hydraulic System	Charging Pressure, Drive System	MPa	2.4	2.4
	Front Axle Weight	kg	24000	26400		Peak Pressure, Drive System	MPa	40	40
	Rear Axle Weight	kg	12000	12000		Peak Pressure, Vibration System	MPa	38	38
	Static Linear Load	N/cm	1000	-		Peak Pressure, Steering System	MPa	17	17
Mobility Parameters	Working speed(4th gear)	Km/h	0 - 10	0 - 10	Engine	Model	-	Weichai WP12G375-E350	Weichai WP12G375-E350
	Theoretical Gradeability	%	45	45		Type	-	Water-cooled in-line 6-cylinder diesel engine	Water-cooled in-line 6-cylinder diesel engine
	Minimum Turning Radius (inside / outside)	mm	4660/7060	4660/7060		Rated Power	kW	276	276
	Minimum Ground Clearance	mm	515	515		Rated Speed	r/min	2200	2200
	Wheel Base	mm	3460	3460	Tires	Specification	-	23.5-25	23.5-25
	Steering Angle	°	±33	±33		Ply Rating	-	20	20
	Oscillation Angle	°	±12	±12		Air Pressure	kPa	300 - 375	300 - 375
	Braking Distance	m	<3.8	<3.8	Compaction Parameters	Drive Mode	-	Hydrostatic closed loop	Hydrostatic closed loop
						Vibration Method	-	Hydrostatic closed loop	Hydrostatic closed loop
Compaction Parameters	Vibration Frequency	Hz	26/31	26/31		Service Brake	-	Hydraulically	Hydraulically
	Nominal Amplitude	mm	2.3/1.2	1.88/0.98		Parking Brake	-	Mechanical/ Hydraulic	Mechanical/ Hydraulic
	Centrifugal Force (High/Low)	kN	730/540	730/540		Secondary Brake	-	Mechanical/ Hydraulic	Mechanical/ Hydraulic
	Drum Diameter	mm	1712	1864		Steering Method	-	Articulated	Articulated
	Working Width	mm	2400	2400		Steering Control	-	Hydraulically	Hydraulically

Notes:

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