

XS365



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Single Drum Vibratory Roller

XS365 is super-tonnage full hydraulic single drum vibratory roller positioning in large depth rock-fill compaction, extra thick layer compaction as well as conventional layer compaction. It is the ideal compaction equipment for dam rock-fill, ultra-thick hydraulic bonding layer, highway base course and subgrade compaction. This machine uses the high power engine and has been through many adaptive designs regarding the rock fill dam compaction, can satisfy the dam construction request better.



Performance and characteristics

- Large depth compaction technology, work width 2400mm, protected rear tire, higher efficiency, centered static and dynamic forces for state-of-the-art compaction homogeneity — less than 3%.
- Powered by Weichai supercharged intercooled engine with large power reserve, sufficient traction force under extreme working conditions, equipped with wear-resistance 20-ply rock tires, especially suitable for rock fill compaction.
- Excellent cooling effect under high load, double air duct ensures continuous construction at a high temperature of 45 °C.
- Long-life vibratory drum, impact-free vibration technology, efficient lubrication, high reliability.
- Exclusive drum surface hardening technology, drum stiffness improved by 100%.

Main dimensions

Unit: mm

Model	L	L1	W	W1	H	H1	S	D
XS365	7592	3460	2900	2400	3478	459	46	1712



Main specifications

Item	Content	Unit	XS365
Weights	Operating weight	kg	36000
	Maximum operating weight	kg	38300
	Front axle weight	kg	24000
	Rear axle weight	kg	12000
	Static linear load	N/cm	1000
Maneuverability	Working speed(F/R)	km/h	4/5/5.5/10.4
	Gradeability	%	40
	Minimum turning radius(outer)	mm	7060
	Minimum ground clearance	mm	459
	Wheel base	mm	7592
	Steering angle	°	33
	Oscillation angle	°	12
Compaction parameters	Vibration frequency	Hz	26/31
	Nominal amplitude	mm	2.3/1.2
	Excitation force (high/low frequency)	kN	730/540
	Drum diameter	mm	1712
	Drum width	mm	2400
Engine	Model	-	WP12G375
	Emission	-	China stage III
	Rated power	kW	276
	Rated speed	r/min	2200
Tire	Spec.	-	23.5-25-20
	Ply rating	-	20
	Air pressure	kPa	375
Capacities	Fuel tank	L	600
	Urea tank	L	-