



XMR403SVT

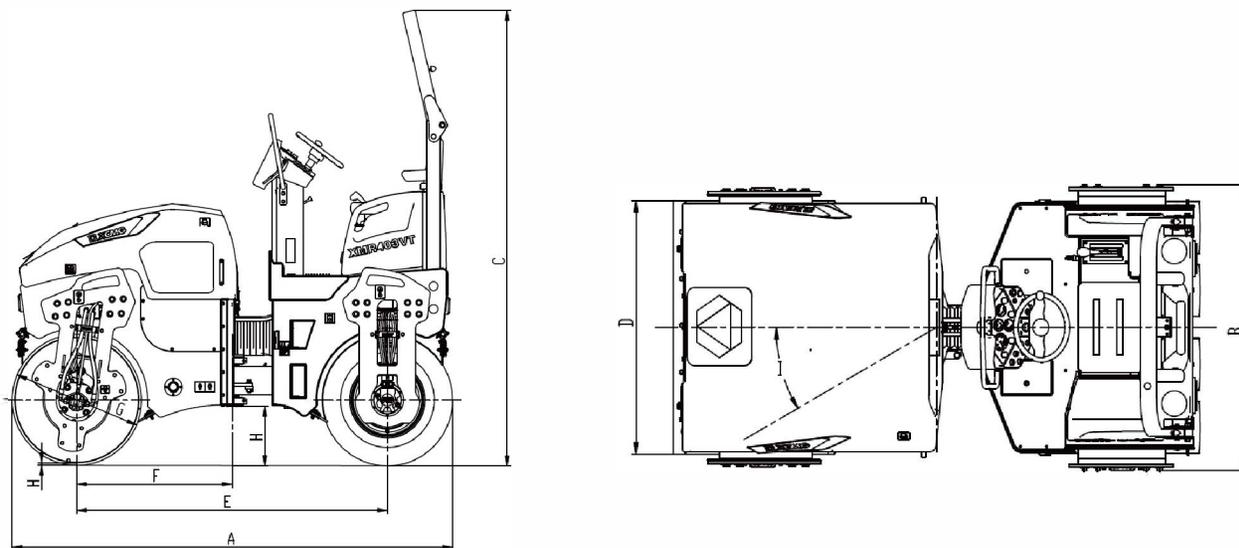
LIGHT COMPACTION EQUIPMENT

XMR403SVT combination vibratory road roller is a light-duty compacting machinery product developed independently by XCMG Road Machinery Business Unit through years of compacting machinery R&D experiences. This product is tailored to municipal maintenance and construction engineering customers. Featuring compact structure and high mobility and flexibility, it's an ideal compacting machine for asphalt pavement compacting operations in municipal maintenances and expressway management and maintenances and construction projects. It's characterized by front steel drum and rear rubber wheels, all-drum/wheel drive, low vibrating amplitude and high vibrating frequency, and built-in power sprinkler.

Performance Characteristics

- The front steel drum utilizes own distributed mass and the exciting force generated by its exciter to reduce the internal friction force among the particles of compacted material, ensure sufficient permeation between asphalt and other aggregates, and achieve good wear resistance of road. The rear rubber wheels utilize the variability of inflated tires to maintain certain contact surface between tires and compacted material, rub and roll the material, increase the water tightness, and achieve uniform surface particle appearance and longer life of the roads.
- The vibration drum in drum structure is uniformly arranged with load eccentric blocks to prolong the lives of vibrating bearings and prevent the offset vibrating of vibration drum. The drive motors for front drum and rear wheels are staggered to improve the compacting uniformity. The 60Hz high-frequency vibrating remarkably increases the number of impacts within unit time onto the compacted material, featuring high working efficiency and good compacting performance. The vibration drum in large diameter further improves the levelness of the compacted road.
- With all-drum/wheel-drive and stepless speed regulation, the driver may select freely the desired driving speed based on the specific working condition. The machine features high power reserve coefficient and powerful gradeability and adaptability. The standard engine cold start system saves time and labor in low temperature environments. The built-in motors and hydraulic pipelines guarantee high edge compacting capability.
- The low gravity center design technology effectively reduces the hood height, remarkably expands the forward vision scope, and realizes 0.8×1m forward vision, which is superior to the 1×1m requirement of CE standard.
- The hood can be uplifted in large angle to make all repair/maintenance points of power system easily accessible and the air spring support makes the operations easier and safer. The control platform is provided with a service port to ease the maintenances of hydraulic system.

Main Dimensions



Unit: mm

Size	A	B	C	D	E	F	G	H	I
XMR403SVT	2720	1462	2819	1300	1920	960	800	16	30°

Main Specifications

Item	Unit	XMR403SVT
Operating weight	kg	4000
Front drum static linear load	N/cm	150
Vibration frequency	Hz	60
Vibrating amplitude	mm	0.41
Exciting force	kN	42
Vibration drum (Diameter × width)	mm	800 × 1300
Theoretical gradeability	%	30
Working speed	km/h	0 ~ 10.6
Wheelbase	mm	1920
Steering angle	°	± 30
Oscillation angle	°	± 10
Minimum Turning Radius (Inner/Outer)	mm	3062/4362
Minimum ground clearance	mm	348
Engine type		Perkins 404F-22T
Rated power	kW	40
Rated speed	r/min	2600