



XMR403SVT

轻型压实设备

LIGHT COMPACTION EQUIPMENT

XMR403SVT vibratory roller draws on the experience of the mature technology of XCMG rollers, through technical innovation and humanized design, optimize the appearance and structure of the machine, save energy and reduce consumption, reduce noise and increase the cooling efficiency, comfort, economy and safe, with advanced technical performance, high reliability, good efficiency and adaptability of the design concept, improve product competitiveness and better meet market demand for the highway, municipal and county road construction. The machine utilizes Perkins water-cooled engine, apply to the environment above -20 °C and below 3000m altitude; Closed hydraulic drive system composed of Danfoss piston pump and Poclair low speed high torque motor, Danfoss gear pump, gear motor and Eaton vibration valve, controlled by the vibration valve, realize the vibration and stop of front drum.

XMR403SVT 组合式振动压路机是吸收和借鉴徐工多年的技术沉淀,通过技术创新和人性化设计,优化整机外观结构,节能降耗,低噪音,提高散热效率、舒适性、经济型 and 安全性,以先进的技术性能、极高的可靠性、良好的经济性和适应性,提升产品竞争力,更好地满足市政和建筑工程道路建设的需要。该机采用珀金斯水冷发动机,适用于温度-20℃以上海拔高度3000m以下环境;丹佛斯柱塞泵和波克兰低速大扭矩马达组成的闭式液压驱动系统,采用丹佛斯齿轮泵、齿轮马达和伊顿振动阀,通过电磁阀控制,实现前轮的振动和停止。

Performance Characteristics / 性能特点

- The front steel drum takes use of their distribution quality and its excitation force from excitation device, reduce the interparticle friction within the crushed material, make full penetration of asphalt material and other aggregate, achieve good road surface wearability; rear rubber wheel take use of variability of pneumatic tyre, maintain certain contact between tire and crushed material, knead and crush, increase watertight, the surface of compacting particles is uniform, and has longer service life.
- High frequency vibration, energy saving and high efficiency
- Full wheel drive, strong adaptability Full wheel drive, stepless variable speed, the driver can choose the required driving speed according to different working conditions.
- Utilizing low center of gravity design technology, effectively reduces the hood height, greatly expand the front vision to 0.8x1 m and is superior to 1x1m requirement of the CE standard;
- Using high ground clearance and extreme edging technology design, improve the product performance, fulfilling the requirement of all kinds of working condition.
- The flexible connection of vibration drum, control platform and seat, greatly reduces the vibration passed on to the operator.
- The middle hinged structure, wheel base of front and rear drum design, small turning radius, high compaction quality. Steering system adopts full hydraulic steering, easy steering with good hand feeling.
- Good maintenance performance The hood can be lifted to a large angle, and all maintenance points of the power system can be easily reached; Air spring support ensures more convenient and safe operation. The repair port on control platform facilitates the maintenance of the hydraulic system.
- 前钢轮利用自身分配质量及其激振装置产生的激振力,降低被压材料颗粒间的内摩擦力,使沥青材料与其他骨料充分渗透,路面耐磨性好;后胶轮利用充气轮胎的可变性,使轮胎与被压材料间保持一定的接触面,揉搓碾压,增加密水性,路面的表面颗粒外观均匀,使用寿命更长。
- 高频振动,节能高效。
- 全轮驱动,适应能力强全轮驱动,无级变速,驾驶员可根据不同的工况,自由选择所需的行驶速度。
- 采用低重心设计技术,有效降低了机罩高度,大大拓展了前方视线可及范围,使得前视野达到0.8×1m,优于CE标准要求的1×1m标准。
- 采用极限贴边技术和高离地间隙设计,有效提高产品通过性能,满足各种压实工况需求。
- 通过振动轮、操纵平台、座椅的柔性连接,大大减小了振动传递到操纵人员上的振动。
- 采用中间铰接结构,前后轮等轴距设计,转弯半径小,压实质量高。转向系统采用全液压转向,转向轻便,手感好。
- 良好的维修性能 机罩可大角度掀起,动力系统所有维修保养点均可方便触及;气弹簧支撑,操作更方便安全。操纵平台开有维修口,方便液压系统的保养。

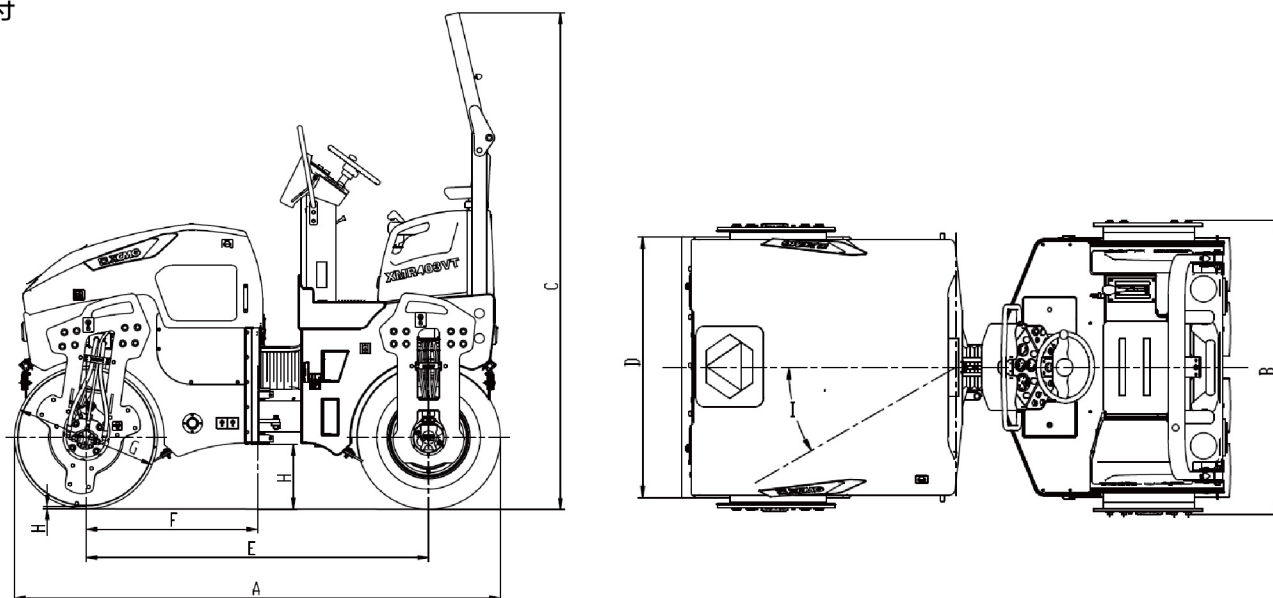
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Main Dimensions

主要尺寸



单位 Unit: mm

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

Main Specifications

主要技术参数

Item	项目	单位 Unit	XMR403SVT
Operating mass	工作质量	kg	4000
Static linear load (front drum)	前轮静线载荷	N/cm	150
Vibration frequency	振动频率	Hz	60
Amplitude	振幅	mm	0.41
Exciting force	激振力	kN	42
Vibrating drum (Diameter x width)	振动轮 (直径 × 宽)	mm	800 × 1300
Theoretical gradeability	理论爬坡能力	%	30
Working speed	工作速度	km/h	0 ~ 10.6
Maximum operating mass	轴距	mm	1920
Steering angle	转向角	°	± 30
Swing angle	摇摆角	°	± 10
Minimum turning radius (intern)/(extern)	最小转弯半径(内)/(外)	mm	3062/4362
Minimum ground clearance	最小离地间隙	mm	348
Engine type	发动机型号		珀金斯404D-22T
Rated power	额定功率	kW	40
Rated speed	额定转速	r/min	2600