

XMR303

振动压路机

Vibratory Roller

XMR303 tandem vibratory roller is a lightweight vibrating roller with an operating weight of 3 tons. This machine is suitable for surface and edge compaction construction for asphalt engineering, cement engineering and so on, also suitable for sub-base and base, sand and gravel material compaction work, is the idealist compaction machinery for all sorts of parking lot construction, road, sidewalks and bikeway compaction, as well as a variety of road maintenance engineering. Its characteristic is small amplitude and high frequency, standard equipped with scraper and sprinklers.

XMR303双钢轮振动压路机是工作质量为3吨级的轻型振动压路机。该机适用于沥青工程、水泥工程等表层压实和路缘的压实作业，也适合于底基层和基层，砂土和砾石材料的压实作业，是各种停车场施工，车行道、人行道和自行车道压实以及各种道路维修保养工程中最理想的压实机械。其特点是小振幅、高频率，自身携带刮泥和洒水装置。

Performance Characteristics / 性能特点

- Strong adaptability All-wheel hydraulic drive, high climbing ability;
- High reliability Long life vibration drum structure design ensures the reliability and service life of the product;
- All-around safety protection Driving safety and reliability is guaranteed by three means of braking: neutral brake, secondary brake and parking brake.
- High operating comfort Three level vibration insulation is used, including the drum shock absorber, seat shock absorber, and cabin shock absorber which are analyzed by CAE simulation. The cabin uses the 3D shock-absorbing technology and optimal arrangement of vibrating drum shock absorber to guarantee the excellent shock-absorbing effect.
- 适应能力强 标配发动机冷启动系统，带有启动预热功能，可实现低温冷启动，适应低温工作环境，在低温环境下省时省力；
- 可靠性高 应用长寿命振动轮结构设计，确保了产品的可靠性和使用寿命；
- 全方位安全保护 采用中位制动、紧急制动和停车制动三级制动，确保行车安全可靠；
- 操作舒适性好 整车采用三级减振，包含振动轮减振、座椅减振、驾驶室减振，减振器通过CAE模拟分析，驾驶室采用立体减振技术，振动轮减振器布置优化，保证了减振效果优秀。

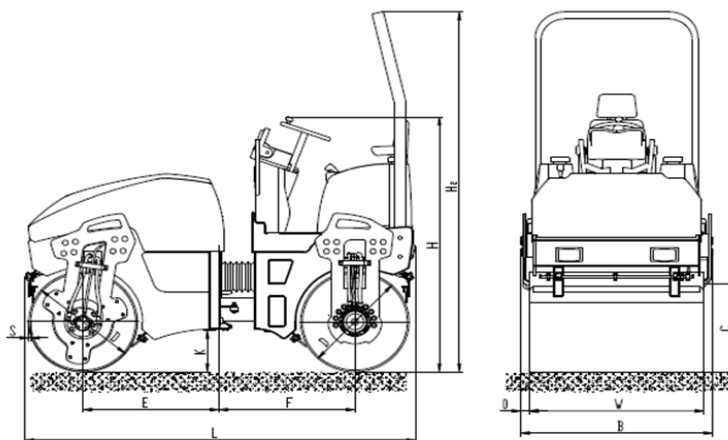
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Main Dimensions

主要尺寸



尺寸Dimensions (mm)	B	C	D	E	F	H	H2	K	L	O	S	W
XMR303	1328	570	746	935	935	1950	2722	290	2682	64	12	1200
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Main Specifications

主要技术参数

Item	项目	单位 Unit	XMR303标配	
质量参数 Weights Parameter	工作质量	Operating weight	kg	3000
	前轮分配质量	Front axle weight	kg	1500
	后轮分配质量	Rear axle weight	kg	1500
	静线载荷	Static linear load	N/cm	129/129
机动 性能 参数 Propelling	工作速度	Operating speed	km/h	0~9.5
	理论爬坡能力	Theoretical gradeability	%	30
	最小转弯半径(内/外)	Minimum turning radius(intern/extern)	mm	2990/4190
	最小离地间隙	Ground clearance	mm	290
	轴距	Wheel base	mm	1870
	转向角	Steering angle	°	± 30
	摇摆角	Oscillation angle	°	± 10
	制动距离	Braking distance	m	<3.4
压实参数 Compaction Performance	振动频率	Vibration frequency	Hz	60
	名义振幅	Nominal amplitude	mm	0.46
	激振力(高频/低频)	Exciting force (High/low frequency)	kN	32
	压轮直径	Drum diameter	mm	746
	压实宽度	Drum width	mm	1200
液压系统 Hydraulic System	驱动系统补油压力	Charge pressure of drive system	MPa	2.4
	驱动系统最高压力	Relief pressure of drive system	MPa	34.5
	振动系统最高压力	Relief pressure of vibration system	MPa	20
	转向系统最高压力	Relief pressure of steering system	MPa	14
发动机 Engine	型号	Model	—	全柴 3B2-38C31
	型式	Type	—	直列三缸水冷型
	额定功率	Rated power	kW	28
	额定转速	Rated speed	r/min	2600



徐工道路机械事业部
ROAD MACHINERY BUSINESS UNIT XCMG