



XD133

TANDEM VIBRATORY ROLLER

双钢轮振动压路机

XD133 Vibratory roller is a type of asphalt compaction machinery product which is independently researched and developed by XCMG Road Machinery Business Unit based on decades of experience in compaction machinery research and development. It is designed for the compaction of asphalt pavement, asphalt layer of different materials and different thickness, especially suitable for roads, parking lots, airports and other large engineering projects, can also be used for compaction of roadbed and sub-base material, wide application scope.

XD133型振动压路机是徐工道路机械事业部集多年压实机械研发经验，自主研制开发的沥青压实机械产品。该产品专为压实沥青路面而设计的，能压实各种不同材料、不同厚度的铺层，特别适用于道路、停车场、机场等大型工程的路面压实作业，也可用于压实路基及次基层材料，适用范围广。

Performance Characteristics / 性能特点

- The console is rotatable for 35 degrees to left or right, improving the driving comfort.
- The steering wheel is adjustable to suit every operator.
- Propel lever, display, are arranged at the right side to broaden the front visibility.
- Speed frequency management system provides the operator instruction for compaction operation; It shows the user whether the current vibration condition matches the current speed, and provides the user with the correct compacted speed zone to avoid the transverse ripple of the pressed material.
- Guiding the operator to improve operation efficiency.
- Multi interval water sprinkling, two sets of water sprinkling system as redundant design.
- Spring tensioning flexible contact is easy for adjustment, increases capability of oil resistance, wear resistance, ultraviolet resistance.
- Air filter, machine filter, diesel filter, hydraulic oil filter are within reach for maintenance and replacement. Hood can be opened for maintenance, easy for maintenance and replacement.
- 操纵台可左右旋转35度，提高驾驶舒适性。
- 方向盘可根据机手的需要调整角度。
- 操纵手柄、显示器等集中布置于右侧，拓宽前视野。
- 配有速频管理系统，指导用户压实作业，向用户显示当前的振动工况与当前的车速是否匹配，并为用户提供了正确压实车速区域，避免被压材料出现横向波纹。
- 指导机手提高作业效率。
- 多档间歇洒水，两套互为备用的洒水系统。
- 采用弹簧张紧柔性接触便与调节，且耐油、耐磨、抗紫外线。
- 空滤、机滤、柴滤、液压油滤，集中、低位放置，置于整机后车架，机罩开启即可进行维修，便于保养更换。

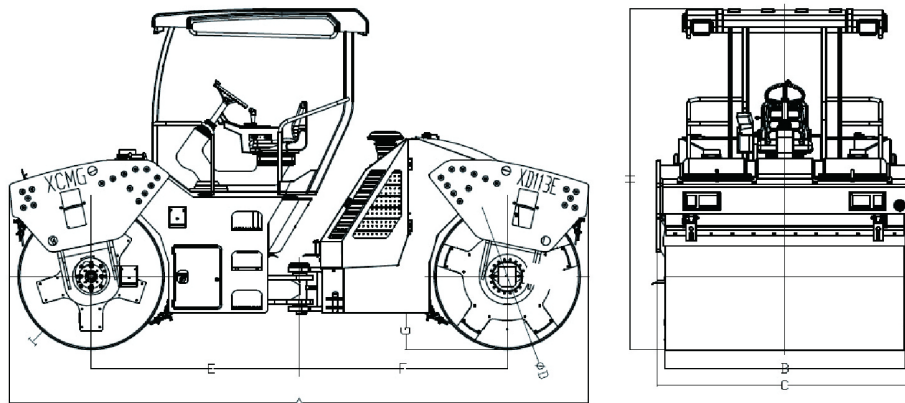
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Main Dimensions

主要尺寸



Dimension 尺寸(mm)	A	B	C	D	E	F	G	H	I
XD133	5146	2130	2336	1300	1850	1850	310	3076	18

Main Specifications

主要技术参数

	Item	项目	单位 Unit	XD133
Weight Parameters 质量参数	Operating weight	工作质量	kg	13000
	Distributed weight of front drum	前轮分配质量	kg	6500
	Distributed weight of rear drum	后轮分配质量	kg	6500
	Static linear load (front/rear)	静线载荷(前/后)	N/cm	299/299
Maneuverability 机动性能	Operating speed	工作速度	km/h	0~6/0~12
	Theoretical gradeability	理论爬坡能力	%	35
	Minimum turning radius(intern/extern)	最小转弯半径(内/外)	mm	4800/6930
	Minimum ground clearance	最小离地间隙	mm	310
	Wheel base	轴距	mm	3700
	Steering angle	转向角		±35
	Swing angle	摇摆角	°	±8
	Crab-walk quantity	蟹行量	mm	±160
	Braking distance	制动距离	m	I档Gear I ≤ 1.9, II档Gear II ≤ 5.3 (G1)
Compaction Performance 压实性能	Vibrational frequency	振动频率	Hz	45/55 (Z101)
	Nominal amplitude	名义振幅	mm	0.80/0.35
	Exciting force (High frequency/low frequency)	激振力(高频/低频)	kN	150/95
	Drum diameter	压轮直径	mm	1300
	Working width	压实宽度	mm	2130
Hydraulic system 液压系统	Refilling pressure of drive system	驱动系统补油压力	MPa	2.4
	Max. Pressure of drive system	驱动系统最高压力	MPa	38
	Max. Pressure of vibration system	振动系统最高压力	MPa	32
	Max. Pressure of steering system	转向系统最高压力	MPa	16
Engine 发动机	Model	型号	Cummins QSB4.5-C160-30	
	Mode	型式	水冷直列4缸柴油机 Water-cooled in-line 4-cylinder diesel	
	Rated power	额定功率	kW	119
	Rated speed	额定转速	r/min	2200









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XCMG have 12 complete solutions: Crane lifting, Mining Construction, Earth-moving Solutions, Road Machinery, Concrete Equipment, Tunnel and Underground Space Construction, Mobile Elevating Work Platform (MEWP), Piling and Non-excavation Equipment, Transportation Equipment, Environmental Sanitation Equipment, Firefighting, Safety and Emergency Rescue



<https://www.machmall.com/>



machmall@xcmg.com



008618652183963
86-516 8773 9797