



XD100

TANDEM VIBRATORY ROLLER

双钢轮振动压路机

XD100 is a kind of dual-drive dual-vibration vibratory roller special designed for European and American market. It features small amplitude, high frequency vibration, big exciting force as well as separate vibration. It is mainly applicable to compaction work on asphalt top layer of newly built pavement and thinner stable soil pavement, and road maintenance work. With compact structure, high flexibility, small blind area, high operating comfort, it is an ideal compaction equipment for municipal maintenance and highway custody.

XD100振动压路机是专为欧美市场而开发的双驱双振振动压路机。其特点是整机采用小振幅、高频率振动，具有较大的激振力，还可实现分振。该机主要以新筑路面的沥青面层压实、道路养护为主，也可以对较薄的稳定土铺层进行压实。整机结构精巧，机动灵活，视线盲区小，操作舒适性高，是市政养护、高速管养中沥青面层压实施工中理想的压实设备。

Performance Characteristics / 性能特点

- Bilateral access, bright color paint, ergonomics design principle.
- Three level damping, suspension seat with safety belt and occupation switch.
- Foldable CE ROPS provides safety protection under emergency.
- Driving safety and reliability is guaranteed by three means of braking: neutral brake, secondary brake and parking brake.
- Waterproof instrument control panel, simple and intuitive.
- Manual and automatic vibration control.
- Dual-frequency single-amplitude vibration exciter provides two kinds of exciter forces for different working conditions.
- 67Hz high frequency vibration and high excitation force ensures high compaction efficiency and deep influence.
- Front drum vibration, rear drum vibration, front and rear drum vibration.
- 720mm large diameter drum design, good traffic performance, high compaction quality.
- Maintenance-free vibration drum, all-weather availability with low cost of use.
- Diesel engine in compliance with EU Stage-V emission standards.
- 双侧通道，色彩鲜明，人机工程。
- 三级减震，悬浮减震座椅，座椅配安全带和压力控制开关。
- 满足CE指令的可折叠的ROPS，避免了翻车时压路机的翻滚，提供了极端状况下的安全保护。
- 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。
- 防水仪表控制面板，简单直观。
- 手动与自动的振动控制。
- 双频单幅的激振器设计，可以提供大小两种激振力，满足不同工况的施工要求。
- 67Hz的高频振动，确保了整机压实效率高、影响深度大。
- 可选择前轮振动、后轮振动、前后轮振动。
- 720mm大直径压轮设计，通过性能好，压实质量高。
- 免维护设计的振动轮，全天候出勤，且使用成本低。
- 满足StageV排放的柴油发动机。

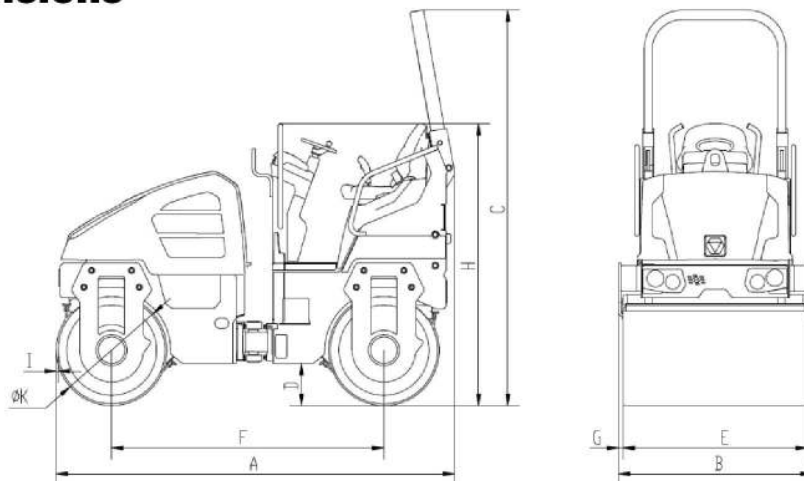
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Main Dimensions

主要尺寸



Dimension 尺寸 (mm)	A	B	C	D	E	F	G	H	I	K
XD100	2610	1086	2575	275	1000	1773	43	1845	11	720

Main Specifications

主要技术参数

	Item	项目	单位 Unit	XD100
Weights 质量参数	Operating weight	工作质量	kg	2650
	Front axle weight	前轮分配质量	kg	1250
	Rear axle weight	后轮分配质量	kg	1400
	Static linear load	静线载荷	N/cm	122/137
Maneuverability 机动性能参数	Operating speed	工作速度	km/h	0 ~ 10
	Theoretical gradeability	理论爬坡能力	%	30
	Minimum turning radius(intern/extern)	最小转弯半径(内/外)	mm	2500/3700
	Min. ground clearance	最小离地间隙	mm	275
	Wheel base	轴距	mm	1773
	Oscillation angle	摇摆角	°	±8
Compaction Performance 压实参数	Braking distance(smooth cement pavement)	制动距离(平整水泥路面)	m	<3.4
	Vibration frequency	振动频率	Hz	63/67
	Nominal amplitude	名义振幅	mm	0.5
	Exciting force (High/low frequency)	激振力(高频/低频)	kN	30/34
	Drum diameter	压轮直径	mm	720
	Drum width	压实宽度	mm	1000
Hydraulic System 液压系统	Charge pressure of drive system	驱动系统补油压力	MPa	2.5
	Relief pressure of drive system	驱动系统最高压力	MPa	38
	Relief pressure of vibration system	振动系统最高压力	MPa	25
	Relief pressure of steering system	转向系统最高压力	MPa	16
Engine 发动机	Model	型号	KUBOTA D1803-CR-E5B	
	Type	型式	直列三缸水冷型 Inline 3-cylinder water-cooled type	
	Rated power	额定功率	kW	24.6
	Rated speed	额定转速	r/min	2400