



XD103

TANDEM VIBRATORY ROLLER

双钢轮振动压路机

XD103 Vibratory roller is asphalt compaction machinery product which is independent researched and developed by XCMG road machinery business division based on years of experience in compaction machinery research and development. This product is designed for municipal administration maintenance and construction projects customers, is especially suitable for compacting asphalt concrete pavement, can also be used for compacting small and medium base, sub-base and filling materials, the whole machine structure is compact and flexible, is an ideal compaction equipment for construction of municipal maintenance and custody of highway asphalt surface course.

XD103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，自主研发开发的沥青压实机械产品。该产品专为市政养护客户量身订做，产品特别适合于沥青混凝土面层的压实，也可用于中小型基础、次基础和填充材料的压实，整机结构精巧，机动灵活是市政养护、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

- The console can rotate about 35 degrees, improving the driving comfort. The steering wheel can adjust angle according to the need of the driver.
- Control handle, display, etc. are arranged on the right side to broaden the front view.
- Speed frequency management system guides the user to compaction operation.
- Guiding the user to improve operation efficiency.
- The vibration drum realizes the center of three-in-one combination.
- Preventing the over-compaction and less-compaction.
- Making the road surface more even.
- Articulated steering with crab-walk function.
- Two gear vehicle speed, gear I has good climbing ability, gear II has higher driving speed.
- Approach angle and departure angle are both 69 degrees.
- 740 L large capacity water tank, three level filtration system.
- Multi interval water sprinkling, two sets of the sprinkler systems for backup.
- Spring tensioning polyurethane scraper plate.
- 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。
- 配有变频管理系统，指导用户压实作业。
- 指导机手提高作业效率。
- 振动轮实现三心合一。
- 防止欠压和过压的发生。
- 使得施工路面更加平整。
- 带有蟹行功能的铰接转向。
- 两档车速，I档爬坡能力强，II档行驶速度高。
- 接近角与离去角达69度。
- 740L大容量水箱，三级过滤系统。
- 多档间歇洒水，两套互为备用的洒水系统。
- 弹簧张紧聚氨酯刮泥板。



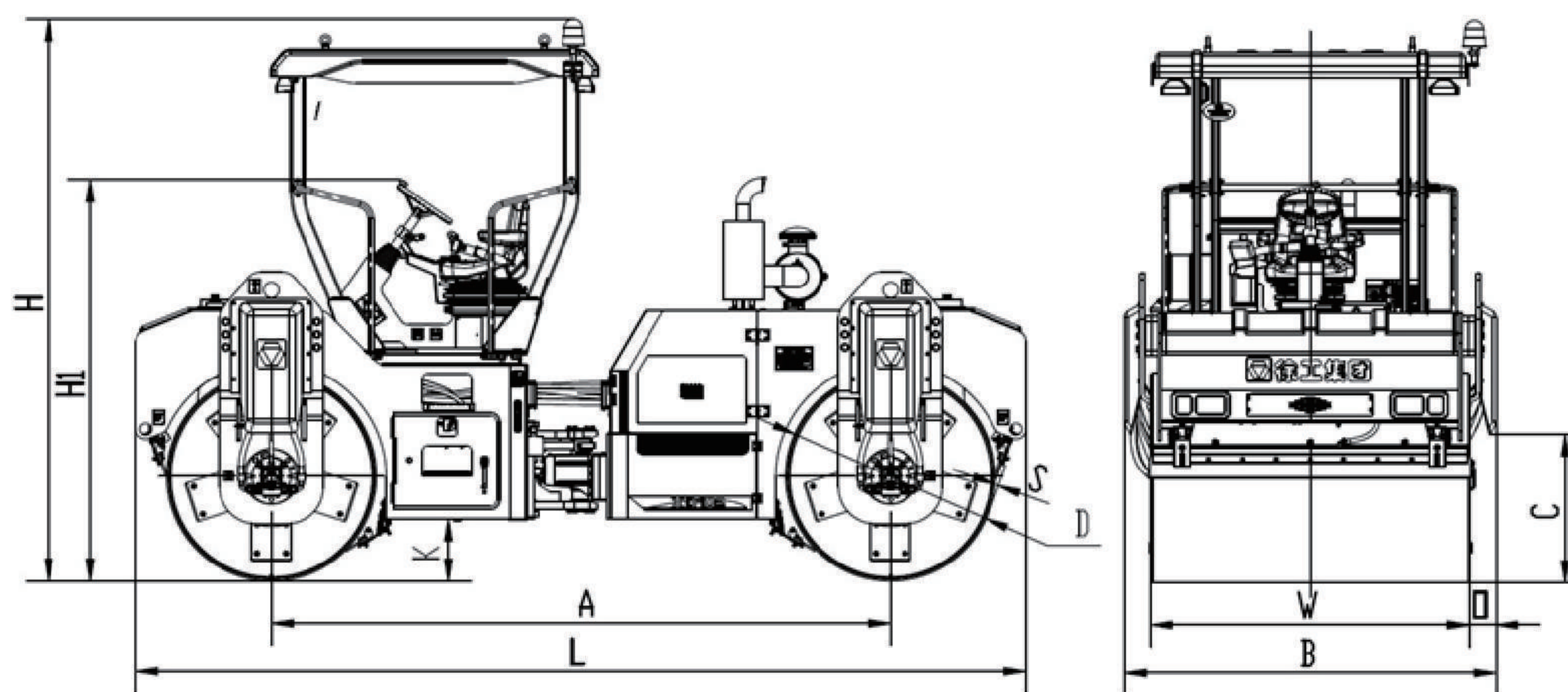
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Main Dimensions

主要尺寸



Dimension 尺寸 (mm)	A	B	C	L	H	H1	D	S	W	O
XD103	3470	2030	535	4900	3087	2200	1150	16	1750	146

Main Specifications

主要技术参数

	Item	项目	单位 Unit	XD103
Mass Classified 质量分配	Operating mass	工作重量	kg	10000
	Distributed mass of front drum	前轮分配质量	kg	5000
	Distributed mass of rear drum	后轮分配质量	kg	5000
Compaction Performance 压实性能	Static linear load	静态线性载荷	N/cm	280/280
	Nominal amplitude	名义振幅	mm	0.35/0.6
	Vibrational frequency	振动频率	Hz	45/55
	Exciting force (High frequency/low frequency)	激振力 (高频/低频)	kN	90/110
	Vibrating wheel dimension	振动轮尺寸	mm	1150 × 1750
Maneuverability 机动性能	Speed range	速度范围	km/h	0 ~ 7.5 / 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	4070/5820
	Swing angle	摇摆角	°	± 10°
	Steering angle	转向角	°	± 38°
Engine 发动机	Type	型号	DEUTZ BF4M2012-10T3R	
	Mode	型式	Inline four-cylinder pressurization water-cooled 直列四缸增压水冷型	
	Rated power	额定功率	kW	74.9
	Rated speed	额定转速	r/min	2300