



XS113

SINGLE DRUM VIBRATORY ROLLER

单钢轮振动压路机

XS113 is a regional and adaptive product developed for the central America market. The product is positioned as a middle end economic self-propelled, single drum, full hydraulic vibratory roller. It has the characteristics of large exciting force, high compaction efficiency and good compaction quality. It is widely used in compaction work of base layer, sub-base layer and rock fill in roads, railways, airports, harbors, dams and industrial construction site. Its product performance, reliability and adaptability fulfill the market requirements.

XS113是针对中美洲市场开发的区域性、适应性产品，产品定位为中端自行式、单钢轮、全液压振动压路机。具有激振力大、压实效率高、压实质量好等特点，它广泛用于公路、铁路、机场、港口、堤坝及工业建筑工地的基础层、次基础层及岩石填方的压实作业。产品性能、可靠性和适应性满足市场要求。

Performance Characteristics / 性能特点

- It is equipped with Beijing Cummins QSF3.8 diesel engine, water cooling, turbocharging, large power reserve, low oil consumption, low noise.
- Adopt imported closed hydraulic drive system, ensures better drive performance and higher gradeability. Two gears infinitely variable speeds to ensure optimized working speeds under different working conditions.
- Xugong special medium-sized drive axle is adopted. Equipped with "pineapple-shaped" low-pressure wide-base tubeless tire, with diamond-shaped shallow pattern on the surface, the vibration absorption performance is good.
- Simple in structure, the inner cylindrical vibrating chamber provides high rigidity and strength. Double frequency dual amplitude function, large static line and exciting force, high efficiency. Dedicated vibrating bearings are used on the machine to deliver long service life and high reliability.
- The fast change of the pad foot drum and the smooth drum is realized to improve the adaptability of the whole machine.
- The cab ensures the personal safety of the operator. Equipped with large area glass, wide view from all angles.
- With large angle engine hood make the repair part easy accessible.
- 配备康明斯QSF3.8发动机，水冷、涡轮增压，功率储备大，油耗低、噪音小。
- 采用进口品牌闭式液压驱动系统，确保压路机具有良好的驱动性能和较高的爬坡能力。两档无级变速，确保在不同工况下以最适宜的速度进行作业。
- 采用徐工专用中型驱动桥。配备“菠萝形”低压宽基无内胎轮胎，表面上分布有菱形块状浅花纹，减振性能好。
- 振动轮采用内筒式振动室结构形式，其结构简单、强度高、刚性好，具有双频双振功能，静线压力以及激振力大，作业效率高，振动轴承采用专用振动轴承，寿命长，可靠性高。
- 实现了凸块轮与光轮的快捷转换，提高了整机工况适应性。
- 驾驶室保证操作人员的人身安全。配备大面积玻璃，各角度视野开阔。内部空间大，乘坐舒适。驾驶室与车架之间安装减振垫，以及悬浮式座椅，减轻振动对操作人员的影响，提高驾驶舒适性。驾驶室同时起到隔音作用，降低噪音危害。
- 大角度前翻的发动机罩，使得维修部位一览无遗。

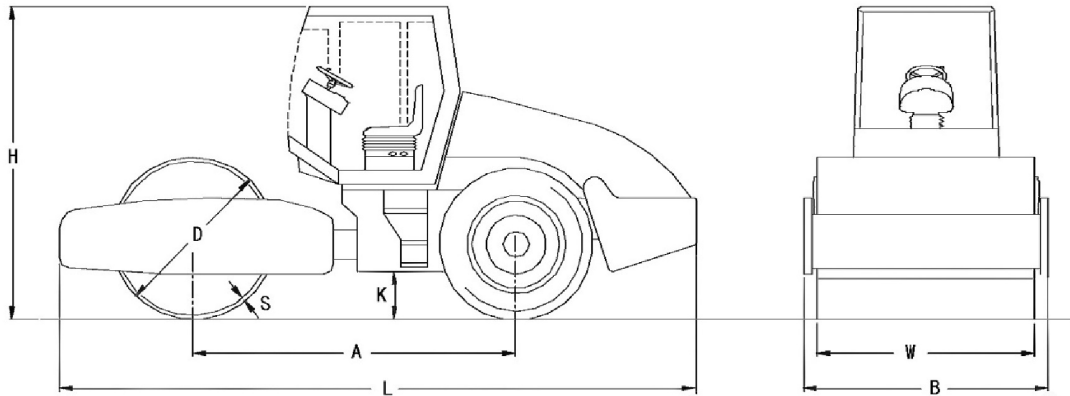
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Main Dimensions

主要尺寸



Dimension 尺寸 (mm)	A	B	D	H	K	L	S	W
XS113	3010	2300	1523	3150	404	5940	30	2130

Main Specifications

主要技术参数

Item	项目	单位 Unit	XS113
Operating mass	操作质量	kg	10800
Distributing weight of front drum	前轮分配重量	kg	5900
Distributed mass of rear drum	后轮分配重量	kg	4900
Operating speed	工作速度	km/h	0—5.5; 0—10.8
Theoretical gradeability	理论爬坡能力	%	45
Minimum turning radius	最小转弯外半径	mm	6800
Wheel base	轴距	mm	3010
Steering angle	转向角	°	±30
Swing angle	摇摆角	°	±10
kg/cm Static linear load	静线载荷	kg/cm	28.3
Compaction width	压实宽度	mm	2130
Nominal amplitude(high/low)	名义振幅 (高/低)	mm	1.8/0.9
Vibrational frequency(high/low)	振动频率 (低/高)	Hz	30/35
Exciting force (High/low)	激振力 (高/低)	kN	240/158
Engine type	发动机型号		QSF3.8
Engine power	发动机功率		104kW@ 2200rpm
Emission standard	排放标准		Stage III
Voltage	电压	V	24
Engine oil	机油	L	11
Diesel tank volume	燃油箱	L	230
Hydraulic tank volume	液压油箱	L	150
Coolant	冷却液	L	30
Vibrating Wheel Chamber	振动轮振动室	L	45
Vibrating wheel reducer	振动轮减速机	L	3
Drive axle	驱动桥	L	16.4
Overall dimension	整机尺寸	mm	5940 × 2300 × 3150







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