



XS113

SINGLE DRUM VIBRATORY ROLLER

单钢轮振动压路机

XS113 is a regional adaptive product which is especially developed for the Southeast Asian market, which is aimed at the middle-level economic self-propelled, single-drum, fully-hydraulic vibratory roller, with high exciting force, high compaction efficiency, good compaction quality etc. It is widely used in the compaction of base layer, subbase layer and rock fill on highways, railways, airports, ports, dams and industrial construction sites. The product performance, reliability and adaptability meet the market requirements, and have the power of competition with internationally renowned roller brands such as CAT, BOMAG and DYNAPAC etc. in South-east Asia.

XS113是针对东南亚市场开发的区域性、适应性产品，产品定位为中高端经济型自行式、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，具备与CAT、BOMAG、DYNAPAC等国际知名压路机品牌在东南亚同台竞技的水平。

Performance Characteristics / 性能特点

- Dongfeng Cummins 4BTAA3.9 engine, which is water-cooled and turbocharged, with large power margin, low fuel consumption and low noise, is equipped.
- The imported closed-type hydraulic drive system is adopted to ensure that the roller has good driving performance and relatively high gradeability. Stepless speed change at two gears is adopted to ensure that the roller can operate at the most appropriate speed under different working conditions.
- The imported medium-size drive shaft with anti-slip differential mechanism is adopted to automatically distribute the torque according to the pavement condition, and ensure that the roller can exert its maximum traction under various working conditions. The popular 12-ply rating tubeless tyres are adopted, which are wear-resistant and have long service life.
- The closed-type hydraulic vibrating system is composed of imported variable pump and constant displacement motor, with double frequency and double amplitude. The static linear load and exciting force are configured scientifically and reasonably to effectively compact the pavements of different materials and different thickness.
- As standard configuration, it is equipped with the driving shed with wide view.
- The engine hood can be overturned forwards in large angle, so that the positions to be maintained are plainly visible.
- 配备东康4BTAA3.9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。
- 采用进口品牌中型驱动桥，带防打滑差速器，能够根据路面状况自动实现扭矩分配，确保压路机在各种工况下均能发挥其所需最大牵引力。采用市场主流的12层级无内胎轮胎，耐磨损，使用寿命长。
- 采用进口品牌变量泵定量马达组成闭式液压振动系统，双频、双幅，科学合理的静线载荷与激振力配置，确保对不同类型的材料、不同厚度的铺层进行有效压实。
- 标配驾驶室棚，视野开阔。
- 大角度前翻的发动机罩，使得维修部位一览无遗。



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

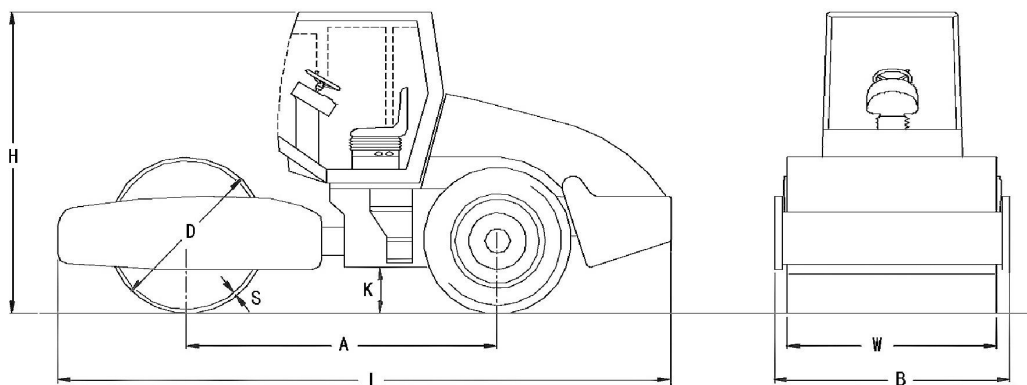
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Main Dimensions

主要尺寸



Dimension 尺寸 (mm)	A	B	D	H	K	L	S	W
XS113	3010	2300	1513	3150	399	5940	25	2130

Main Specifications

主要技术参数

	Item	项目	单位 Unit	XS113
Mass parameters 质量参数	Operating weight	工作质量	kg	10800
	Front wheel mass distribution	前轮分配质量	kg	5900
	Rear wheel mass distribution	后轮分配质量	kg	4900
	Static line load	静线载荷	N/cm	271
Moving performance parameters 机动性能参数	Operating speed	工作速度	Km/h	0~5.4 0~10.8
	Theoretical gradeability	理论爬坡能力	%	45
	Minimum turning radius (inner/outer)	最小转弯半径(内/外)	mm	4500/6800
	Minimum ground clearance	最小离地间隙	mm	399
	Wheel base	轴距	mm	3010
	Steering angle	转向角	°	± 30
	Oscillation angle	摇摆角	°	± 10
	Brake distance	制动距离	m	3.9
Compaction parameters 压实参数	Vibration frequency	振动频率	Hz	30/35
	Nominal amplitude	名义振幅	mm	1.8/0.9
	Exciting force (high frequency/ low frequency)	激振力(高频/低频)	kN	240/158
	Diameter of compacting wheel	压轮直径	mm	1513
	Working width	压实宽度	mm	2130
Hydraulic system 液压系统	Oil supplementing pressure of drive system	驱动系统补油压力	MPa	2.4
	Maximum pressure of drive system	驱动系统最高压力	MPa	35
	Maximum pressure of vibration system	振动系统最高压力	MPa	30
	Maximum pressure of steering system	转向系统最高压力	MPa	16
Engine 发动机	Type	型号	-	4BTAA3.9
	Type tests	型式	-	水冷Water-cooling
	Rated power	额定功率	kW	93
	Rated speed	额定转速	r/min	2200