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# XS122单钢轮振动压路机

## SINGLE DRUM VIBRATORY ROLLER

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Courtesy of Machine.Market



产品简介/Introduction

XS122是在国内出口量最大的全液压单钢轮振动压路机XS120基础上开发的性能更加优异、造型更加时尚的中型液压驱动振动压路机。作为徐工全液压振动压路机的代表产品之一，该机压实性能、驱动性能、操纵性能、可靠性、维修性能等方面均代表了国内压路机的最高水平。

The XS122 is a new medium- duty single drum vibratory roller with hydraulic drive developed on the basis of XS120, the best selling model of its kind in china with the biggest sales in the overseas market. The machine is designed to offer better performance and have a more attractive and fashionable appearance. As one of XCMG’ s representative fully hydraulic vibratory rollers, this machine represents the highest levels of achievement in compaction, driving, operation, reliability and serviceability within china’ s roller industry.

性能特点/Features

■ 开阔的视野 Maximum Visibility

侧后立柱移到侧面，驾驶室前后全玻璃设计，在前后工作方向无遮挡缺陷，为驾驶人员提供非凡的视野。  
The operator’ s cab features floor- to- ceiling glass to give the operator an excellent view, with uninterrupted visibility both forward and to the rear.



■ 舒适的操作环境 Comfortable Operation

全液压驱动，操纵简单、方便。符合人机工程学原理的操纵仪表箱，配以悬浮式座椅、车用收录机，使驾驶更加舒适。  
Fully hydraulic drive has the advantage of easy operation. Ergonomically designed instrument control panel, coupled with suspension seat, radio and cassette tape recorder provides a comfortable ride.  
标配冷暖空调更提供了舒适的操纵环境。  
Heating and air- conditioning are standard on XS122, increasing operator comfort.



■ 优异的压实性能 Outstanding Compaction Performance

双频、双幅振动系统，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、不同厚度铺层的有效压实。  
Reliable dual vibration amplitude and frequency selection, combined with optimized static linear load and centrifugal force assure maximum compaction across a wide range of materials.  
可选择焊接式凸块振动轮或装配式凸块振动轮，更扩大了产品使用范围，为用户带来一机两用的超值回报。  
Optional padfoot drum( available in weld- on padfoot version and padfoot shell kit version) expands the application range of the XS122 to work in either semi- cohesive or cohesive material, which maximizes user’ s return on investment.



■ 可靠的电气系统 Reliable Electrical System

接插件采用进口件，防水、防尘、防振，确保电器系统的可靠性。  
The electrical system features water- proof, dust- proof, vibration- resistant electric connectors for increased reliability.  
电瓶为进口免维护电瓶，启动电流大，适应能力强。  
Imported maintenance- free battery has high current start up capability and good adaptability.



■ 周全的安全保护 Comprehensive Safety Protection

具有行车，停车和紧急三种制动，确保行车安全。  
Service brake, parking brake and emergency brake assure safe driving.  
具有防滚翻功能的驾驶室，确保人员安全。  
ROPS cab assures driver safety.  
防滑的梯子踏板，驾驶室花纹橡胶地板，避免操作人员意外滑倒。  
Anti- slip access steps and no- slip pattern rubber floor mat help prevent the operator from slipping.  
机罩支撑系统配有安全保护装置，确保维修保养人员安全。方便可靠。  
Engine bonnet support system is equipped with safety protection device to assure maintenance and service man safety.  
配有旋转报警灯、倒车蜂鸣器，保证行车安全。  
Rotating red alarm light and backup buzzer are available to assure safe driving.



■ 优良的维护性能 Excellent Serviceability

仪表板上的报警装置，可随时提供保养和维修信息，避免设备带“病”作业，预防设备损坏，缩短停机时间。  
Warning devices are provided on the instrument panel to alert the operator when service or maintenance is needed, helping to nip potential machine faults in the bud, avoiding disastrous damages and minimizing downtime.  
前翻机罩开启角度大，保养部位触手可及；在驾驶室即可控制的独立电液控制支撑系统使机罩在升降过程中可安全地停于任何位置，维护保养方便。  
Forward-tilting engine bonnet with wide opening provides easy access to service points. An independent electro- hydraulically operated support system controllable from the operator’ s station stops the engine bonnet safely at any height for easy maintenance and service.



■ 优越的驱动系统 Optimum Driving System

采用进口CUMMINS公司水冷增压发动机，性能可靠，功率储备大，油耗低、噪音小、排放符合欧II标准。  
Power is provided by a water cooled, turbocharged original CUMMINS engine that is EU Stage II certified. The engine is built to provide good reliability, high power reserve rate, low fuel consumption, reduced emissions.  
采用进口重型驱动桥，带NO- SPIN差速器，驱动轮胎采用宽基轮胎，与地面接触面积大，驱动性能得到提高，确保压路机在各种工况下均能具有良好的通过性能。  
Internationally sourced heavy duty axle with NO- SPIN differential and wide base tyres assure maximum ground contact for optimum traction and good mobility across a wide variety of applications.  
液压驱动系统：采用进口重载变量泵变量马达组成的闭式抗打滑液压驱动系统，确保压路机具有良好的驱动性能和较高的爬坡能力。  
Closed circuit hydrostatic drive system uses imported heavy- duty variable displacement pump and motors, which helps prevent wheel slip to assure optimum traction and exceptional climbing ability.



发动机 POWER



驱动桥 DRIVE AXLE

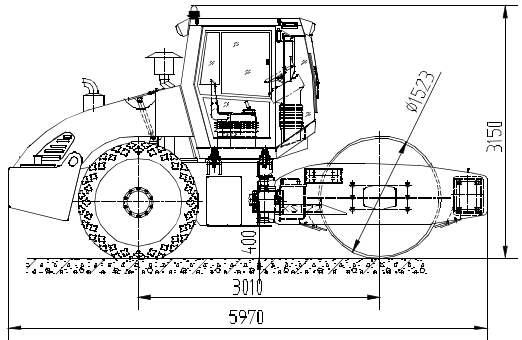
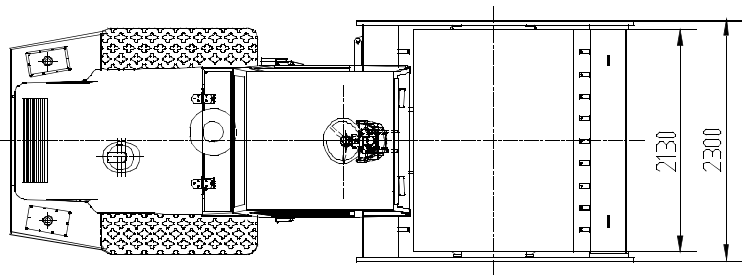


驱动泵 DRIVE PUMP



振动泵 VIBRATORY PUMP

外形尺寸/Outline Dimensions (mm)



主要技术参数/Main Specifications

项目	Type	单位 Unit	参数 Specifications
工作质量	Operating weight	kg	12000
前轮分配质量	Distributed weight on front drum	kg	6700
静线载荷	Static linear load	N/cm	308
速度范围	Speed range	km/h	0~10.4
理论爬坡能力	Theoretical gradeability	%	45
最小转弯外半径	Min.turning radius outside drum edge	mm	6800
转向角	Steering angle	°	±30
摇摆角	Oscillating angle	°	±10
振动频率（低/高）	Vibration frequency(L/H)	Hz	30/35
名义振幅（高/低）	Nominal working amplitude(H/L)	mm	1.80/0.9
激振力（高/低）	Centrifugal force(H/L)	kN	290/180
振动轮直径	Drum diameter	mm	1523
振动轮宽度	Drum width	mm	2130
发动机	Engine		
型号	Model		Cummins 4B3.9
形式	Type		水冷、增压、空空中冷
额定功率 @2200 r/min	Rated power	kW	93