



XS123H/143H/163H 单钢轮振动压路机

single drum vibratory roller

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产品简介 / Introduction

XS123H/XS143H/XS163H型振动压路机是徐工精心设计的新型单钢轮振动压路机。该产品具有出色的压实性能、卓越的经济性和无与伦比的可靠性，能够更好地满足工程施工要求，是公路、铁路、机场、港口、堤坝及工业建筑工地的理想压实设备。

XS123H XS143H/XS163H type vibratory roller is XCMG carefully designed a new type of single drum vibratory roller. The product has excellent performance, excellent economy compaction and unparalleled reliability, better able to meet the requirements of engineering construction, highway, railway, airport, port, the levee and industrial construction site ideal compaction equipment.

性能特点 / Features

■ 卓越的动力性能 Excellent dynamic performance

XS123H/XS143H/XS163H配备上柴涡轮增压水冷发动机，动力强劲、可靠耐用、油耗低、噪音小，排放满足国Ⅱ标准。

XS123H/XS143H/XS163H equipped with wood turbocharged watercooled engine, powerful, reliable and durable, low fuel consumption, low noise, emissions to meet the Ⅱ standards.

■ 强大的驱动能力 Strong ability of driving

XS123H/XS143H/XS163H配备德国进口变量泵、变量马达组成的闭式静液压驱动系统，后轮驱动，采用徐工专用桥，确保恶劣工况下具有良好的驱动性能和较高的爬坡能力。同时，该产品Ⅰ档无级变速，可以在不同工况下以最适宜的速度进行压实作业。

XS123H XS143H/XS163H equipped with German imports of variable pump and variable motor closed hydrostatic drive system, rear wheel drive, the overloading wet drive axle, ensure that under the condition of good driving performance and gradeability. At the same time, the product Ⅰ file infinitely variable speed, can under different conditions with the speed of the optimum compaction operations.



■ 出色的压实性能和作业效率 Good compaction performance and efficiency

XS123H/XS143H/XS163H搭载双频双振幅静液压振动系统，科学合理的静线载荷与激振力配置，确保其具有较高的压实性能和作业效率，对多种类型的土壤、岩石等铺层材料，均可以进行出色的压实作业。

XS123H/XS143H/XS163H carry double-frequency double amplitude of static hydraulic vibration system, scientific and reasonable configuration, static line load and exciting force to ensure its high compaction performance and efficiency of the various types of soil and rock layer materials, all can be good compaction work.



可选择焊接式凸块振动轮和装配式凸块振动轮，扩大了产品的使用范围，为用户带来一机两用的超值回报。

Choice of welded convex block vibration wheel and fabricated convex block vibration wheel, enlarge the using range of the product, bring one machine dual value in return for the user.

■ 安全舒适的操作环境 Safe and comfortable operating environment

根据人机工程学原理设计的封闭驾驶室，内部空间大，视野开阔，密封性能好，噪音低，同时配备空调、收录机，为驾驶员提供安全舒适的操作环境。

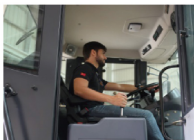
Closed cab according to the principle of ergonomics design, the interior space is large, vision, good sealing performance, low noise, and equipped with air conditioning, tape recorder, for the driver to provide a safe and comfortable operating environment.



■ 合理的仪表显示系统 Reasonable instrument display system

仪表能够实时显示整机工作状态，仪表上的声光报警装置，可随时提供保养和维修信息，预防设备损坏。

Instrument can real-time display the whole machine working state, the sound and light alarm device on the instrument, may at any time to provide maintenance and repair information, prevent equipment damage.



■ 可靠的制动性能 Reliable braking performance

制动系统由驱动桥上的多片湿式制动器 and 闭式液压系统的静液制动组成，具有行车制动、停车制动和紧急制动三种功能，确保驾驶安全可靠。

Multi-disc wet on the braking system by the drive axle of brake and closed hydrostatic braking hydraulic system, has the vehicle braking and parking brake and emergency brake three functions, to ensure driving safety and reliability.

■ 便捷的保养性能 Convenient maintenance performance

发动机机罩采用线性驱动器开启，操作简便省力。发动机机罩开启角度大，保养部位触手可及。

Engine hood adopts linear drive to open, easy to operate. Opening Angle, the engine hood maintenance area within easy reach.

发动机高位进气，延长了空滤器保养时间间隔。

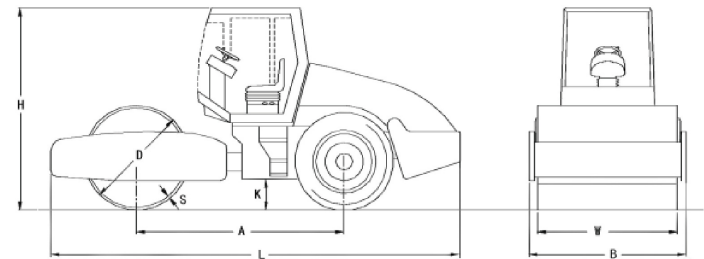
High engine air intake, prolong the empty filter maintenance interval.

■ 可选配置 Optional configuration

驾驶棚、空调、暖风、冷启动、PD振动轮。

Driving tent, air conditioning, warm wind, cold start, PD wheel vibration.

外形尺寸 / Outline Dimensions (mm)



尺寸 (mm)	A	B	D	H	K	L	S	W
XS123H	3040	2300	1513	3200	431	6150	25	2130
XS143H	3040	2300	1523	3200	431	6150	30	2130
XS163H	3040	2300	1523	3200	431	6150	30	2130

主要技术参数 / Main Specifications

项目	XS123H	XS143H	XS163H
操作质量（含驾驶室） kg	Operating weight 12000	14000	16000
振动轮上的分配重量 kg	Load on front drum 6000	7300	8000
工作速度 km/h	Speed 0 ~ 7.3	0 ~ 7.3	0 ~ 7.3
爬坡能力 %	Max gradeability 30	30	30
转向角 °	Steering angle ± 33°	± 33°	± 33°
摇摆角 °	Oscillating angle ± 11°	± 11°	± 11°
最小转弯外半径 mm	Track radius, inner 6800	6800	6800
轮胎	Tyre size 20.5-25-16PR	20.5-25-16PR	20.5-25-16PR
静线载荷 kg/cm	Static linear load 258	315	362
压实宽度 mm	Working width 2130	2130	2130
名义振幅（高/低） mm	Amplitude 1.8/0.9	1.9/0.95	1.9/0.9
振动频率（低/高） Hz	Frequency 30/35	28/33	28/33
激振力（高/低） kN	Centrifugal force 240/160	274/190	290/200
发动机型号	Engine Type SC4H135G2, Tier 2	SC4H135G2, Tier 2	SC7H150G2, Tier 2
形式	Engine Cooling Turbocharged Water-cooled	Turbocharged Water-cooled	Turbocharged Water-cooled
	Electronic-controlled Engine	Electronic-controlled Engine	Electronic-controlled Engine
功率	Power 100kW(135hp) @ 2200rpm	100kW(135hp) @ 2200rpm	110kW(150hp) @ 2200rpm
燃油箱容积 L	Fuel Capacities 250	250	250
系统电压 V	Electric equipment 24	24	24