



# XMR053

## LIGHT COMPACTION EQUIPMENT

### 轻型压实设备

XMR053 is a walk-behind single-drum vibratory road roller in operating weight of 0.5t and is mainly applicable for the compacting of asphalt concrete layers and the compacting of medium and small base and sub-base layers and filler materials and especially suitable for the ground compacting of small projects, including urban roads and gymnasiums. The frame adopts integral framework structure, featuring small body width, high ground clearance, and excellent curb compacting performance, and plays an extraordinary superiority in the compacting operations of narrow working sites and groove foundations.

XMR053是工作质量为0.5吨的手扶式单钢轮振动压路机，主要用于沥青混凝土等面层的压实，特别适用于城镇道路、体育馆等小型工程地面压实作业，也可用于中小型基础、次基础和填充材料的压实；车架采用整体式框架结构，车身宽度小，离地间隙大，具有很好的压边性能，在狭窄的作业场地及沟槽基础的压实方面更显示出其独到的优越性。

## Performance Characteristics / 性能特点

- The imported air-cooled gasoline engine incorporates two start methods, namely electric start method and recoil start method. The cast steel crankshaft and advanced ignition system are applied to provide higher displacement and stronger power output. The double ball bearing technology is applied to reduce the noise and vibration, make the start easier, achieve more environmental-friendly emission, higher fuel economy, and accurate air-fuel ratio, and meet the Euro-III emission regulation.
- The imported hydrostatic drive unit integrates the pump and motor to realize hydrostatic drive, remarkably save the space, and achieve high reliability.
- The gravity sprinkler is applied and the high capacity water tank reduces the quantity of stops required for refilling of water.
- The multi-angle propel lever position can adapt to the different terrains and operator's habits and achieve higher operating comfort.
- The automatic return is provided for the forward and reverse gears. Whenever the operator leaves from the driving propel lever, the road roller stops immediately, featuring higher safety.
- High-frequency vibratory compacting technology: It can achieve better compacting performance for the material being compacted under the high-frequency vibrating force.
- Curb compacting technology: In the structural design, the limit curb compacting technology is applied to achieve excellent curb compacting distance and high curb compacting gap on the body side and approach the obstacle to the maximum degree for the compacting.
- 进口风冷汽油发动机，电启动和反冲式手拉两种启动方式，采用铸钢曲轴和先进的点火系统，提供更大的排量 and 更强劲的功率输出，采用双球轴承技术可以降低噪音，减少振动，使启动更简易，排放更环保，燃油更高效，精确的空燃比，满足欧III排放标准。
- 进口静液压驱动单元，将泵马达组合为一体，实现静液驱动，并极大节省空间，可靠性高。
- 重力洒水，大容量水箱减少停机加水时间。
- 多角度操作手柄位置，可适应不同的地形和操作人员习惯，操纵更舒适。
- 前进后退自动回中，当操作人员离开行驶手柄时，压路机立即停车，安全性高。
- 高频振动压实技术：使被压实材料在高频振动作用下可获得更好的压实效果。
- 贴边技术：在结构设计上采用极限贴边技术，使机身一侧的贴边距离极好，路缘间隙极大，能最大限度接近障碍物进行压实。

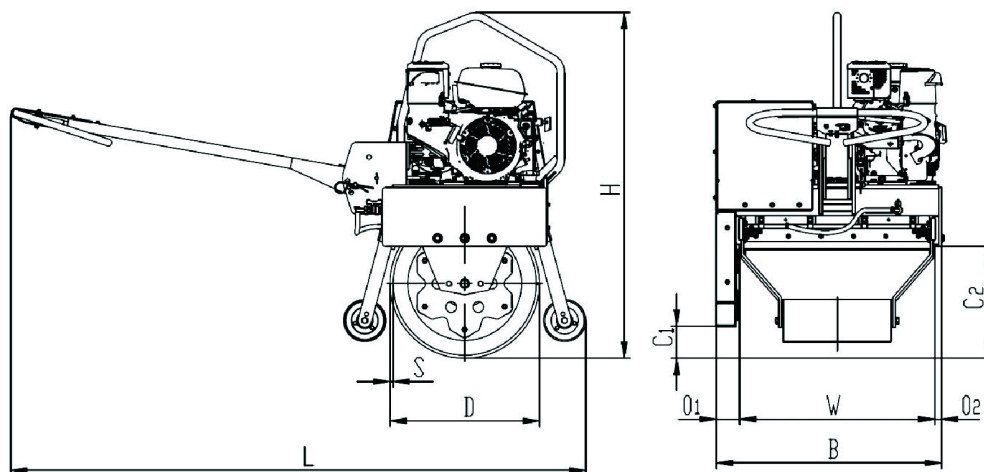
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### Main Dimensions

主要尺寸



Dimension 尺寸 (mm)	B	C1	C2	D	H	L	O1	O2	S	W
XMR053	831	115	410	552	1291	2118	86	25	10	720

### Main Specifications

主要技术参数

Item	项目	单位 Unit	XMR053
Operating weight	工作质量	kg	500
Static linear load	静线载荷	N/cm	68
Working speed	工作速度	km/h	0~3.4
Theoretical gradeability	理论爬坡能力	%	20
Minimum ground clearance	最小离地间隙	mm	120
Braking distance	制动距离	m	≤0.9
Vibration frequency	振动频率	Hz	65
Nominal amplitude	名义振幅	mm	0.55
Exciting Force	激振力	kN	14.8
Diameter of compacting drums	压轮直径	mm	552
Working width	压实宽度	mm	720
Model	型号		科勒CH440 Kohler CH440
Type	型式		风冷单缸汽油机 Air-cooled single-cylinder gasoline engine
Rated power	额定功率	kW	10.5
Rated speed	额定转速	r/min	2400





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