



XD83

TANDEM VIBRATORY ROLLER

双钢轮振动压路机

XD83 Vibratory roller is asphalt compaction machinery product which is independent researched and developed by XCMG road machinery business division based on years of experience in compaction machinery research and development. This product is designed for municipal administration maintenance and construction projects customers, is especially suitable for compacting asphalt concrete pavement, can also be used for compacting small and medium base, sub-base and filling materials, the whole machine structure is compact and flexible, is an ideal compaction equipment for construction of municipal maintenance and custody of highway asphalt surface course.

XD83型振动压路机是徐工道路机械事业部集多年压实机械研发经验，自主研制开发的沥青压实机械产品。该产品专为市政养护客户量身订做，产品特别适合于沥青混凝土面层的压实，也可用于中小型基础、次基础和填充材料的压实，整机结构精巧，机动灵活是市政养护、高速管养中沥青面层压实施工中理想的压实设备。

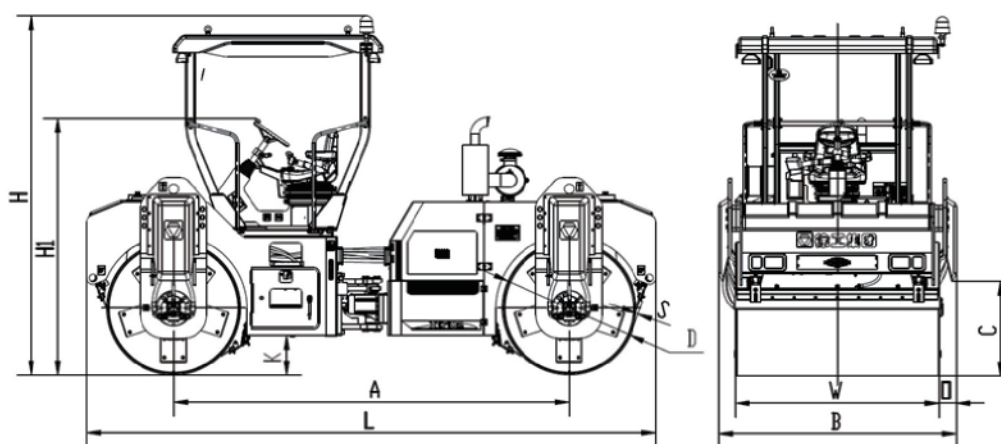
Performance Characteristics / 性能特点

- The console can rotate about 35 degrees, improving the driving comfort. The steering wheel can adjust angle according to the need of the driver.
- Control handle, display, etc. are arranged on the right side to broaden the front view.
- Speed frequency management system guides the user to compaction operation.
- Guiding the user to improve operation efficiency.
- The vibration drum realizes the center of three-in-one combination.
- Preventing the over-compaction and less-compaction.
- Making the road surface more even.
- Articulated steering with crab-walk function.
- Two gear vehicle speed, gear I has good climbing ability, gear II has higher driving speed.
- Approach angle and departure angle are both 69 degrees.
- 740 L large capacity water tank, three level filtration system.
- Multi interval water sprinkling, two sets of the sprinkler systems for backup.
- Spring tensioning polyurethane scraper plate.
- 操纵台可左右旋转35度，提高驾驶舒适性。
- 方向盘可根据机手的需要调整角度。
- 操纵手柄、显示器等集中布置于右侧，拓宽前视野。
- 配有变频管理系统，指导用户压实作业。
- 指导机手提高作业效率。
- 振动轮实现三心合一。
- 防止欠压和过压的发生。
- 使得施工路面更加平整。
- 带有蟹行功能的铰接转向。
- 两档车速，I档爬坡能力强，II档行驶速度高。
- 接近角与离去角达69度。
- 740L大容量水箱，三级过滤系统。
- 多档间歇洒水，两套互为备用的洒水系统。
- 弹簧张紧聚氨酯刮泥板。



Main Dimensions

主要尺寸



| Dimension 尺寸 (mm) | A | B | C | L | H | H1 | D | S | W | O |
|-------------------|------|------|-----|------|------|------|------|----|------|-----|
| XD83 | 3470 | 1962 | 535 | 4905 | 3087 | 2200 | 1150 | 16 | 1750 | 146 |

Main Specifications

主要技术参数

| | Item | 项目 | 单位 Unit | XD83 |
|---------------------------------------|---|--------------|---------------------|--------------|
| Mass Classified 质量分配 | Operating mass | 工作重量 | kg | 8500 |
| | Distributed mass of front drum | 前轮分配质量 | kg | 4250 |
| | Distributed mass of rear drum | 后轮分配质量 | kg | 4250 |
| Compaction Performance 压实性能 | Static linear load | 静态线性载荷 | N/cm | 248/248 |
| | Nominal amplitude | 名义振幅 | mm | 0.35/0.6 |
| | Vibrational frequency | 振动频率 | Hz | 45/55 |
| | Exciting force (High frequency/low frequency) | 激振力 (高频/低频) | kN | 60/75 |
| | Vibrating wheel dimension | 振动轮尺寸 | mm | 1150 × 1680 |
| Maneuverability 机动性能 | Speed range | 速度范围 | km/h | 0 ~ 6/0 ~ 12 |
| | Theoretical gradeability | 理论爬坡能力 | % | 35 |
| | Minimum turning radius (intern)/(extern) | 最小转弯半径 (内/外) | mm | 4100/5780 |
| | Swing angle | 摇摆角 | ° | ± 10° |
| | Steering angle | 转向角 | ° | ± 38° |
| Engine 发动机 | Type | 型号 | CUMMINS QSF3.8-C115 | |
| | Mode | 型式 | 水冷直列4缸柴油机 | |
| | Rated power | 额定功率 | kW | 86 |
| | Rated speed | 额定转速 | r/min | 2200 |