

XD103



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Vibratory Roller

XD103 vibratory roller is suitable for compaction work of asphalt pavement, compaction of small base, sub-base and filling materials, and is an ideal compaction equipment for the compaction of asphalt top layer during high-speed custody.



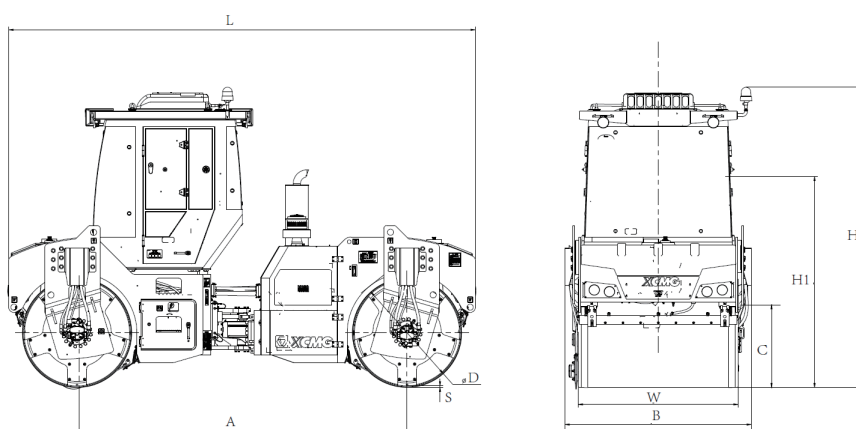
XCMG ROAD MACHINERY BUSINESS UNIT

Performance and characteristics

- The console is able to rotate for 35 degrees to left or right, improving the driving comfort;
- The steering wheel is adjustable to suit every operator;
- Propel lever, display, are arranged at the right side to broaden the front visibility.
- Speed frequency management system provides the operator instruction for compaction operation;
- Guiding the operator to improve operation efficiency.
- Homogeneous compaction technology
- The vibration drum realizes the three-in-one coincidence;
- Avoiding over-compaction and under-compaction;
- Making the road surface more even.

Main dimensions

| Dimensions | A | B | L | H | H1 | D | S | W |
|------------|------|------|------|------|------|------|----|------|
| XD103 | 3470 | 2030 | 4910 | 3087 | 2200 | 1150 | 16 | 1750 |



Main specifications

| Item | Content | Unit | Value |
|-----------------------|---|-------|------------------|
| Weight Parameters | Operating weight | kg | 10000 |
| | Front axle weight | kg | 5000 |
| | Rear axle weight | kg | 5000 |
| | Static linear load (front/rear) | N/cm | 280/280 |
| Maneuverability | Operating speed | km/h | 0~7.5/0~12 |
| | Theoretical gradeability | | 35% |
| | Minimum turning radius (inside/outside) | mm | 4070/5820 |
| | Minimum ground clearance | mm | 260 |
| | Wheelbase | mm | 3470 |
| | Steering angle | | +38° |
| | Oscillation angle | | ±10° |
| Compaction Parameters | Braking distance | m | ≤4.36 |
| | Vibration frequency | Hz | 55/45 |
| | Nominal amplitude | mm | 0.35/0.60 |
| | Excitation force (high/low frequency) | kN | 90/110 |
| | Drum diameter | mm | 1150 |
| | Drum width | mm | 1750 |
| Hydraulic system | Charge pressure, drive system | MPa | 2.5 |
| | Peak pressure, drive system | MPa | 40 |
| | Peak pressure, vibration system | MPa | 35 |
| | Peak pressure, steering system | MPa | 16 |
| Engine | Model | | 4BTA3.9- C110-II |
| | Rated power | kW | 82 |
| | Rated speed | r/min | 2200 |