

# RD 24-100.3

## Tandem roller

Convenient and efficient

The RD24 is the compact, versatile roller for every construction site. With its three-point articulated pendulum joint, the roller achieves a consistently even weight distribution with optimum maneuverability and travel stability. As a result, excellent, high-quality asphalt surfaces can be achieved. The user benefits from intuitive operation as well as the comprehensive view of the compaction area. Because of its compact dimensions, the RD24 is an excellent choice for use in confined areas.

## Highlights

- Uniform operating concept
- Large line-of-sight, compact construction

## Technical Data

### Mechanical - Output Details

| | |
|---|---|
| Gradeability | 30.0 % |
| Gradeability max. (without vibration) | 40.0 % |
| Travel speed | 0.0 - 12.0 km/h |
| Static linear load (front) | 1.21 kg/mm |
| Linear load with vibration Level I (rear) | 4.94 kg/mm |
| Linear load with vibration Level II (rear) | 3.51 kg/mm |
| Compaction force Level I (front) | 49 kN |
| Compaction force Level II (front) | 34 kN |
| Compaction force I (rear) | 48 kN |
| Compaction force II (rear) | 34 kN |
| Vibration frequency Level I (front) | 65.0 Hz |
| Vibration frequency Level II (front) | 51.0 Hz |
| Vibration frequency Level I (rear) | 65.0 Hz |
| Vibration frequency Level II (rear) | 51.0 Hz |
| Amplitude Level I (front) | 0.4500 mm |
| Amplitude Level II (front) | 0.4500 mm |
| Amplitude Level II (rear) | 0.4500 mm |
| Centrifugal force Level I (front) | 43 kN |
| Centrifugal force Level I (rear) | 43 kN |

### Mechanical Details

| | |
|---|---|
| Length | 2,530.0 mm |
| Width | 1,110.0 mm |
| Operating weight | 2,475.0 kg |
| Dry Weight | 2,290.0 kg |
| Gross vehicular weight | 2,590.0 kg |
| Curb clearance right | 55.0 mm |
| Curb clearance left | 55.0 mm |
| Operating width | 1,000.0 mm |
| Ground clearance | 280.0 mm |
| Turning radius inside | 2,470.0 mm |
| Operating weight with roll-over protective structure | 2,475.0 kg |
| Wheelbase | 1,700.0 mm |
| Operating weight, max. | 3,190.00 kg |
| Curb clearance (left) | 570.0 mm |
| Curb clearance (right) | 570.0 mm |
| Empty weight with ROPS | 2,290.0 kg |
| Turning radius outside | 3,470.0 mm |
| Drum width (front) | 1,000.0 mm |
| Drum width (rear) | 1,000.0 mm |
| Drum diameter (front) | 720.0 mm |
| Drum diameter (rear) | 720.0 mm |
| Drum thickness (front) | 15.0 mm |

### Engine

| | |
|---|---|
| Cylinder capacity | 1,499.0 $cm^3$ |
| Effective power | 22.9 kW |
| Nominal Engine speed | 2,700.0 1/min |

The illustrations, equipment and data shown may deviate from the current delivery program of your country. Optional equipment subject to additional charge may be shown. Subject to changes.


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| | |
|---|---|
| Standard (Effective power) | ISO 14396 |
| Starter battery Voltage | 12.0 V |
| Battery capacity (nom. value) | 70.0 Ah |
| Engine Manufacturer | Kubota |
| Engine Designation | D1503 |

## Environment Data

| | |
|---|---|
| Sound level LpA | 90.0 dB(A) |
| Sound power LWA, measured | 104.0 dB(A) |
| Sound power LWA, guaranteed | 106.0 dB(A) |
| Exhaust aftertreatment | no |
| Catalyst | no |
| Particle filter | no |
| CO (NRSC) | 1.0 g/KWh |
| CO2 (NRSC) | 797.0 g/KWh |
| HC + NOx (NRSC) | 6.6 g/KWh |
| PM (NRSC) | 0.4 g/KWh |

## Operating Fluids

| | |
|---|---|
| Water tank capacity | 180.0 l |
| Fuel Tank capacity | 42.0 l |

## Chassis

| | |
|---|---|
| Pendulum angle +/- | 8.0 ° |

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