


# RD28-120c DPF

## Tandem roller

Convenient and efficient

The RD28 is the compact and versatile 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 RD28 is an excellent choice for use in confined areas.

## Highlights

- Combination roller: Rear axle with rubber tires
- Ergonomic work platform
- Clearly arranged, intuitive operator panel
- Large line-of-sight, compact construction

## Technical Data

### Mechanical - Output Details

| | |
|---|---|
| Gradeability | 30.0 % |
| Gradeability max. (without vibration) | 40.0 % |
| Travel speed | 0.0 - 10.5 km/h |
| Static linear load (front) | 1.12 kg/mm |
| Compaction force Level I (front) | 54 kN |
| Compaction force Level II (front) | 38 kN |
| Vibration frequency Level I (front) | 65.0 Hz |
| Vibration frequency Level II (front) | 51.0 Hz |
| Amplitude Level I (front) | 0.4500 mm |
| Amplitude Level II (front) | 0.4500 mm |
| Centrifugal force Level I (front) | 49 kN |

### Mechanical Details

| | |
|---|---|
| Length | 2,530.0 mm |
| Width | 1,310.0 mm |
| Height | 1,752.0 mm |
| Operating weight | 2,595.0 kg |
| Dry Weight | 2,400.0 kg |
| Gross vehicular weight | 2,720.0 kg |
| Curb clearance right | 55.0 mm |
| Curb clearance left | 55.0 mm |
| Operating width | 1,200.0 mm |
| Ground clearance | 280.0 mm |
| Turning radius inside | 2,370.0 mm |
| Operating weight with roll-over protective structure | 2,595.0 kg |
| Wheelbase | 1,700.0 mm |
| Operating weight, max. | 3,320.00 kg |
| Curb clearance (left) | 570.0 mm |
| Curb clearance (right) | 570.0 mm |
| Empty weight with ROPS | 2,400.0 kg |
| Turning radius outside | 3,570.0 mm |

### Engine

| | |
|---|---|
| Cylinder capacity | 1,826.0 $cm^3$ |
| Effective power | 24.0 kW |
| Nominal Engine speed | 2,200.0 1/min |
| Standard (Effective power) | ISO 14396 |
| Starter battery Voltage | 12.0 V |
| Battery capacity (nom. value) | 95.0 Ah |
| Engine Manufacturer | Kubota |
| Engine Designation | D1803-CR |

### Environment Data

| | |
|---|---|
| Sound level LpA | 86.0 dB(A) |
| Sound power LWA, measured | 102.0 dB(A) |
| Sound power LWA, guaranteed | 106.0 dB(A) |

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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| | |
|---|---|
| Exhaust aftertreatment | DOC-DPF |
| Catalyst | yes |
| Particle filter | yes |
| CO (NRTC) | 0.1 g/KWh |
| CO2 (NRTC) | 858.7 g/KWh |
| HC + NOx (NRTC) | 3.2 g/KWh |
| PM (NRTC) | 0.0 g/KWh |

## Operating Fluids

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

## Chassis

| | |
|---|---|
| Pendulum angle +/- | 8.0 ° |
| Width over tires (rear) | 1,140.0 mm |
| Number of tires (rear) | 4.0 |
| Wheel size (rear) | 9,5/65-16 |
| Wheel load per tire (rear) | 313.8 kg |

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