



RD45-140c

Tandem roller

Powerful and versatile

The articulated RD45 is a powerful roller that offers balanced weight distribution on the front and rear drum which provides very even compaction results. It offers a high degree of driving stability and is easy to maneuver. Additionally, the excellent view compacted area and the large drum diameter contribute to first-class results. The ROPS roll-over protective structure, which can be folded away to the rear for transport, makes for a safer working environment.

Highlights

- Combination roller: Rear axle with rubber tires
- Ergonomic work platform
- Uniform operating concept
- Large line-of-sight, compact construction

Technical Data

■ Mechanical - Output Details

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|---------------------------------------|-----------------|
| Gradeability | 30.0 % |
| Gradeability max. (without vibration) | 40.0 % |
| Travel speed | 0.0 - 11.0 km/h |
| Static linear load (front) | 1.63 kg/mm |
| Compaction force Level I (front) | 71 kN |
| Compaction force Level II (front) | 43 kN |
| Vibration frequency Level I (front) | 57.0 Hz |
| Vibration frequency Level II (front) | 48.0 Hz |
| Amplitude Level I (front) | 0.5100 mm |
| Amplitude Level II (front) | 0.3100 mm |
| Centrifugal force Level I (front) | 58 kN |

■ Mechanical Details

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|------------------------|------------|
| Length | 2,896.0 mm |
| Width | 1,506.0 mm |
| Height | 1,820.0 mm |
| Operating weight | 4,050.0 kg |
| Dry Weight | 3,795.0 kg |
| Gross vehicular weight | 4,220.0 kg |
| Curb clearance right | 63.0 mm |
| Curb clearance left | 63.0 mm |
| Operating width | 1,380.0 mm |

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| Ground clearance Middle | 305.0 mm |
| Turning radius inside | 2,650.0 mm |
| Operating weight with roll-over protective structure | 4,050.0 kg |
| Operating weight with cabin | 4,300.0 kg |
| Wheelbase | 1,950.0 mm |
| Operating weight, max. | 5,250.00 kg |
| Curb clearance (left) | 720.0 mm |
| Curb clearance (right) | 720.0 mm |
| Total height with cabin | 2,720.0 mm |
| Empty weight with cabin | 4,055.0 kg |
| Empty weight with ROPS | 3,795.0 kg |
| Turning radius outside | 4,030.0 mm |

■ Engine

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|-------------------------------|---------------|
| Cylinder capacity | 2,434.0 cm3 |
| Effective power | 37.4 KW |
| Nominal Engine speed | 2,700.0 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 | V2403-CR |

■ **Environment Data**

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|-----------------------------|-------------|
| Sound level LpA | 88.0 dB(A) |
| Sound power LWA, measured | 102.0 dB(A) |
| Sound power LWA, guaranteed | 106.0 dB(A) |
| Exhaust aftertreatment | DOC-DPF |
| Catalyst | yes |
| Particle filter | yes |
| CO (NRTC) | 0.1 g/KWh |
| CO2 (NRTC) | 834.6 g/KWh |
| HC + NOx (NRTC) | 3.0 g/KWh |

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| PM (NRTC) | 0.0 g/KWh |
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■ **Operating Fluids**

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| Water tank capacity | 260.0 l |
| Fuel Tank capacity | 73.0 l |

■ **Chassis**

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|----------------------------|------------|
| Pendulum angle +/- | 8.0 ° |
| Width over tires (rear) | 1,276.0 mm |
| Number of tires (rear) | 4.0 |
| Wheel size (rear) | 10.5/80-17 |
| Wheel load per tire (rear) | 448.8 kg |