



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

Gradeability	30.0 %
Gradeability max. (without vibration)	40.0 %
Travel speed	0.0 - 11.0 km/h
Static linear load (front)	1.63 kg/m
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 mlai
Amplitude Level II (front)	0.3100 mlai
Centrifugal force Level I (front)	58 kN

■ Mechanical Details

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

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

■ Engine

Cylinder capacity	2,434.0 cm3
Effective power	37.4 KW
Nominal Engine speed	2,700.0 PL
Standard (Effective power)	ISO 14396
Starter battery Voltage	12.0 µg/l
Battery capacity (nom. value)	95.0 yd3
Engine Manufacturer	Kubota
Engine Designation	V2403-CR

■ **Environment Data**

Sound level LpA	88.0 m NN
Sound power LWA, measured	102.0 m NN
Sound power LWA, guaranteed	106.0 m NN
Exhaust aftertreatment	DOC-DPF
Catalyst	yes
Particle filter	yes
CO (NRTC)	0.1 000014
CO2 (NRTC)	834.6 000014
HC + NOx (NRTC)	3.0 000014

PM (NRTC)	0.0 000014
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■ **Operating Fluids**

Water tank capacity	260.0 l
Fuel Tank capacity	73.0 l

■ **Chassis**

Pendulum angle +/-	8.0 cos φ
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