



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

Mecha	anical -	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		
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	

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				
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			

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.

Environment Data

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			

PM (NRTC)	0.0 g/KWh		
Operating Fluids			
Water tank capacity	260.0		
Fuel Tank capacity	73.0		
- Chassis			
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		