



RD45-140o

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

- Rear axle with oscillation drum
- 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/mm
Compaction force Level I (front)	71 kN
Compaction force Level II (front)	43 kN
Compaction force I (rear)	90 kN
Compaction force II (rear)	62 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
Oscillation frequency Level I (rear)	38.0 Hz
Oscillation frequency Level II (rear)	29.0 Hz
Tangential amplitude Level II (rear)	1.4 mm
Oscillation force Level I (rear)	68.0 kN
Oscillation force Level II (rear)	40.0 kN
■ Mechanical Details	
Length	2,896.0 mm
Width	1,506.0 mm

Height	1,820.0 mm
Operating weight	4,535.0 kg
Dry Weight	4,280.0 kg
Gross vehicular weight	4,710.0 kg
Curb clearance right	63.0 mm
Curb clearance left	63.0 mm
Operating width	1,380.0 mm
Ground clearance	305.0 mm
Turning radius inside	2,650.0 mm
Operating weight with roll-over protective structure	4,535.0 kg
Operating weight with cabin	4,785.0 kg
Wheelbase	1,950.0 mm
Operating weight, max.	5,730.00 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	4,540.0 kg
Empty weight with ROPS	4,280.0 kg
Turning radius outside	4,030.0 mm
Drum width (front)	1,380.0 mm
Drum width (rear)	1,380.0 mm
Drum diameter (front)	898.0 mm

Drum diameter (rear)	898.0 mm	Sound power LWA, guaranteed	106.0 dB(A)
Drum thickness (front)	16.0 mm	Exhaust aftertreatment	DOC-DPF
■ Engine			
Cylinder capacity	2,434.0 cm ³	Particle filter	yes
Effective power	37.4 KW	CO (NRTC)	0.1 g/KWh
Nominal Engine speed	2,700.0 1/min	CO ₂ (NRTC)	834.6 g/KWh
Standard (Effective power)	ISO 14396	HC + NO _x (NRTC)	3.0 g/KWh
Starter battery Voltage	12.0 V	PM (NRTC)	0.0 g/KWh
Battery capacity (nom. value)	95.0 Ah	■ Operating Fluids	
Engine Manufacturer	Kubota	Water tank capacity	260.0 l
Engine Designation	V2403-CR	Fuel Tank capacity	73.0 l
■ Environment Data			
Sound level LpA	88.0 dB(A)	Pendulum angle +/-	8.0 °
Sound power LWA, measured	102.0 dB(A)	■ Chassis	