



## RD45-140

### 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

- 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
Linear load with vibration Level I (rear)	5.20 kg/mm
Linear load with vibration Level II (rear)	3.13 kg/mm
Compaction force Level I (front)	71 kN
Compaction force Level II (front)	43 kN
Compaction force I (rear)	70 kN
Compaction force II (rear)	42 kN
Vibration frequency Level I (front)	57.0 Hz
Vibration frequency Level II (front)	48.0 Hz
Vibration frequency Level I (rear)	57.0 Hz
Vibration frequency Level II (rear)	48.0 Hz
Amplitude Level I (front)	0.5100 mm
Amplitude Level II (front)	0.3100 mm
Amplitude Level II (rear)	0.3100 mm
Centrifugal force Level I (front)	58 kN
Centrifugal force Level I (rear)	58 kN

Height	1,820.0 mm
Operating weight	4,435.0 kg
Dry weight	4,180.0 kg
Gross vehicular weight	4,610.0 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	4,435.0 kg
Operating weight with cabin	4,685.0 kg
Wheelbase	1,950.0 mm
Operating weight, max.	5,630.00 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	4,440.0 kg
Empty weight with ROPS	4,180.0 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

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.

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