



## RD45-140c DPF

### 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 - 6.8 m/H
Linear load with vibration Level I (front)	353.93 lb/in
Linear load with vibration Level II (front)	250.56 lb/in
Compaction force Level I (front)	19,109 lbf
Compaction force Level II (front)	13,489 lbf
Vibration frequency Level I (front)	60.0 Hz
Vibration frequency Level II (front)	51.0 Hz
Amplitude Level I (front)	0.0201 "
Amplitude Level II (front)	0.0122 "
Centrifugal force Level I (front)	14,388 lbf
Centrifugal force Level II (front)	8,768 lbf

### Mechanical Details

Length	116.7 "
Width	59.3 "
Height	102.0 "
Operating weight	8,928.7 lb
Dry Weight	8,366.5 lb
Gross vehicular weight	9,303.5 lb
Curb clearance right	2.5 "

Curb clearance left	2.5 "
Operating width	54.3 "
Turning radius inside	104.3 "
Operating weight with roll-over protective structure	8,928.7 lb
Operating weight with cabin	9,479.9 lb
Wheelbase	76.8 "
Operating weight, max.	11,574.28 lb
Curb clearance (left)	28.3 "
Curb clearance (right)	28.3 "
Total height with cabin	107.1 "
Total height with ROPS	102.0 "
Empty weight with cabin	8,939.8 lb
Empty weight with ROPS	8,366.5 lb
Turning radius outside	158.7 "

### Engine

Cylinder capacity	148.5 Inch3
Effective power	50.2 hp
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

Sound level LpA 88.0 dB(A)

Sound power LWA, guaranteed 104.0 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 75.3 gal US

Fuel Tank capacity 19.3 gal US

#### ■ Chassis

Pendulum angle +/- 8.0 °

Width over tires (rear) 50.2 "

Number of tires (rear) 4.0

Wheel size (rear) 10.5/80-17

Wheel load per tire (rear) 989.4 lb