



## RD45-140 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

- Ergonomic work platform
- Uniform operating concept
- Large line-of-sight, compact construction

## Technical Data

### ■ Mechanical - Output Details

Gradeability	300 %
Gradeability max. (without vibration)	400 %
Travel speed	0 - 68 m/H
Static linear load (front)	1,630,000 kg/mm
Static linear load (rear)	16 kg/mm
Linear load with vibration Level I (front)	63 kg/mm
Linear load with vibration Level II (front)	45 kg/mm
Linear load with vibration Level II (rear)	45 kg/mm
Compaction force Level I (front)	19.109 lbf
Compaction force Level II (front)	13.489 lbf
Compaction force II (rear)	13.489 lbf
Vibration frequency Level I (front)	600 Hz
Vibration frequency Level II (front)	510 Hz
Vibration frequency Level I (rear)	600 Hz
Vibration frequency Level II (rear)	510 Hz
Amplitude Level I (front)	201 "
Amplitude Level II (front)	122 "
Amplitude Level I (rear)	201 "
Amplitude Level II (rear)	122 "
Centrifugal force Level I (front)	14.388 lbf
Centrifugal force Level II (front)	8.768 lbf
Centrifugal force Level I (rear)	14.388 lbf

Centrifugal force Level II (rear)	8.768 lbf
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### ■ Mechanical Details

Length	1,167 "
Width	593 "
Height	1,020 "
Operating weight	9.7775 lb
Dry Weight	9.2153 lb
Gross vehicular weight	10.1633 lb
Curb clearance right	25 "
Curb clearance left	25 "
Operating width	543 "
Turning radius inside	1,043 "
Operating weight with roll-over protective structure	9.7775 lb
Operating weight with cabin	10.3287 lb
Wheelbase	768 "
Operating weight, max.	12.41204 lb
Curb clearance (left)	283 "
Curb clearance (right)	283 "
Total height with cabin	1,071 "
Total height with ROPS	1,020 "
Empty weight with cabin	9.7885 lb
Empty weight with ROPS	9.2153 lb
Turning radius outside	8.8846 lb

Drum width (front)	3.0424 lb
Drum width (rear)	3.0424 lb
Drum diameter (front)	1.9798 lb
Drum diameter (rear)	1.9798 lb
Drum thickness (front)	353 lb
Drum thickness (rear)	353 lb

#### ■ Engine

Cylinder capacity	1,485 Inch <sup>3</sup>
Effective power	502 hp
Nominal Engine speed	2.7000 1/min
Standard (Effective power)	ISO 14396
Starter battery Voltage	120 V
Battery capacity (nom. value)	950 Ah
Manufacturer	Kubota
Engine designation	V2403-CR

#### ■ Environment Data

Sound level LpA	880 dB(A)
Sound power LWA, guaranteed	1,040 dB(A)
Exhaust aftertreatment	DOC-DPF
Catalyst	yes
Particle filter	yes
CO (NRTC)	1 g/KWh
CO <sub>2</sub> (NRTC)	8,346 g/KWh
HC + NO <sub>x</sub> (NRTC)	30 g/KWh
PM (NRTC)	0 g/KWh

#### ■ Operating Fluids

Water tank capacity	753 gal US
Fuel Tank capacity	193 gal US

#### ■ Chassis

Pendulum angle +/-	80 °
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