RC50

Drum rollers

Powerful compaction on any terrain

Perfect view in all directions makes work with the Wacker Neuson single drum soil compactors safe and comfortable. Because of the compact design, the operator always has the working area and the drums in view from his seat. With a large departure angle and outstanding gradeability, it is easy to maneuver even on uneven terrain. The simple operation via an intuitively-designed display and joystick also make working easier and ensure that the operator is familiar with the machine in no time.

Highlights

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

Technical Data

Mechanical - Output Details

Gradeability	54.0 %
Gradeability max. (without vibration)	60.0 %
Speed working gear	0.0 - 6.0 km/h
Speed transportation gear	0.0 - 12.5 km/h
Static linear load (front)	19.93 kg/mm
Compaction force Level I (front)	93 kN
Compaction force I (rear)	24 kN
Vibration frequency Level I (front)	30.0 Hz
Amplitude Level I (front)	1.5700 mm
Centrifugal force Level I (front)	66 kN

Mechanical Details

Length	4,040.0 mm
Gross vehicular weight	6,140.0 kg
Curb clearance right	72.0 mm
Curb clearance left	72.0 mm
Operating width	1,370.0 mm
Ground clearance	277.0 mm
Turning radius inside	3,375.0 mm
Operating weight with roll-over protective structure	4,960.0 kg
Wheelbase	2,169.0 mm
Operating weight, max.	6,140.00 kg
Curb clearance (left)	330.0 mm
Curb clearance (right)	330.0 mm
Empty weight with ROPS	4,835.0 kg
Slope angle (front)	44.0 °
Slope angle (rear)	35.0 °
Turning radius outside	4,745.0 mm
Drum width (front)	1,370.0 mm
Drum diameter (front)	1,000.0 mm
Drum thickness (front)	20.0 mm

Engine

Cylinder capacity	3,331.0 cm3
Effective power	55.4 KW
Nominal Engine speed	2,200.0 1/min
Standard (Effective power)	ISO 14396
Starter battery Voltage	12.0 V
Battery capacity (nom. value)	152.0 Ah
Speed max.	2,400.0 1/min
Engine Designation	V3307-CR-TE5B

Environment Data

Sound power LWA, measured	103.0 dB(A)
Sound power LWA, guaranteed	105.0 dB(A)
Exhaust aftertreatment	DOC-DPF
Catalyst	yes
Particle filter	yes

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.

Copyright © 2026 Wacker Neuson SE | www.wackerneuson.com

CO (NRTC)	0.1 g/KWh
CO2 (NRTC)	807.2 g/KWh
HC + NOx (NRTC)	3.0 g/KWh
PM (NRTC)	0.0 g/KWh

Operating Fluids

Fuel Tank capacity	123.0 l

Chassis

Pendulum angle +/-	0.0 °

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.

Copyright © 2026 Wacker Neuson SE | www.wackerneuson.com

RC50p

Drum rollers

Powerful compaction on any terrain

Perfect view in all directions makes work with the Wacker Neuson single drum soil compactors safe and comfortable. Because of the compact design, the operator always has the working area and the drums in view from his seat. With a large departure angle and outstanding gradeability, it is easy to maneuver even on uneven terrain. The simple operation via an intuitively-designed display and joystick also make working easier and ensure that the operator is familiar with the machine in no time.

Highlights

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

Technical Data

Mechanical - Output Details

Gradeability	54.0 %
Gradeability max. (without vibration)	60.0 %
Speed working gear	0.0 - 6.0 km/h
Speed transportation gear	0.0 - 12.5 km/h
Compaction force Level I (front)	95 kN
Compaction force I (rear)	24 kN
Vibration frequency Level I (front)	30.0 Hz
Amplitude Level I (front)	1.5100 mm
Centrifugal force Level I (front)	66 kN

Mechanical Details

Length	4,040.0 mm
Height Ramming shoe	80.0 mm
Gross vehicular weight	5,870.0 kg
Curb clearance right	72.0 mm
Curb clearance left	72.0 mm
Operating width	1,370.0 mm
Ground clearance	277.0 mm
Turning radius inside	3,375.0 mm
Operating weight with roll-over protective structure	5,175.0 kg
Wheelbase	2,169.0 mm
Ramming shoes (Number)	60.0
Operating weight, max.	5,870.00 kg
Curb clearance (left)	330.0 mm
Curb clearance (right)	330.0 mm
Surface of the pad feet	113.0 cm2
Empty weight with ROPS	5,050.0 kg
Slope angle (front)	44.0 °
Slope angle (rear)	35.0 °
Turning radius outside	4,745.0 mm
Drum width (front)	1,370.0 mm
Drum diameter (front)	1,155.0 mm
Drum thickness (front)	15.0 mm

Engine

Cylinder capacity	3,331.0 cm3
Effective power	55.4 KW
Nominal Engine speed	2,200.0 1/min
Standard (Effective power)	ISO 14396
Starter battery Voltage	12.0 V
Battery capacity (nom. value)	152.0 Ah
Speed max.	2,400.0 1/min
Engine Designation	V3307-CR-TE5B

Environment Data

Sound power LWA, guaranteed	104.0 dB(A)
Exhaust aftertreatment	DOC-DPF
Catalyst	yes

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.

Copyright © 2026 Wacker Neuson SE | www.wackerneuson.com

Particle filter	yes
CO (NRTC)	0.1 g/KWh
CO2 (NRTC)	807.2 g/KWh
HC + NOx (NRTC)	3.0 g/KWh
PM (NRTC)	0.0 g/KWh

Operating Fluids

Fuel Tank capacity	123.0 l

Chassis

Pendulum angle +/-	0.0 °

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.

Copyright © 2026 Wacker Neuson SE | www.wackerneuson.com