



**WACKER
NEUSON**
all it takes!

RD18-100

5100047361

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RD18-100

Material number 5100047361

Tandem-axle roller of the 1.5-ton class, two vibration drums, unilateral drum fastening with complete curb clearance.



Product details

Standard equipment

- Practical handle design for easy entry
- Adjustable, vibration-decoupled operator platform, therefore low whole body vibrations and ergonomic seat comfort
- Intuitive, clearly arranged operator panel
- Two forward + reverse travel levers for simple and intuitive operation
- Vibration can be chosen in front and/or rear, two vibration levels
- Fixed drum offset for easy maneuvering on walls (cannot be converted)
- Good view of the drums due to the compact design
- Triangle, articulated pendulum joint for high tipping stability and stability when turning curves
- Large, side-protected water tank
- Low lying, central water outlet with self-cleaning water filter
- Fold-down scraper bar
- Fold-down ROPS bar
- Well-balanced central lifting point
- Sturdy, low lying and therefore well-balanced tie-downs
- Front and rear lighting according to StVZO [Road Traffic Licensing Regulations]
- Simple radiator maintenance through "quick access"

Options

- Biodegradable hydraulic oil
- Antifreeze injection

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- Backup alarm
- Work lighting on roll-over protective structure, dual
- Rotating beacon on roll-over protective structure
- Acoustic insulation (proofing)
- TÜV approval

Technical specifications

RD18-100

OPERATING FLUIDS	Metric
Fuel Tank capacity	33,0 l
Water tank capacity	70,0 l

ENGINE	Metric
Battery capacity (nom. value)	70 Ah
Engine Manufacturer	Kubota
Cylinder capacity	1.001 cm ³
Standard (Effective power)	ISO 14396
Nominal Engine speed	2.700 1/min
Starter battery Voltage	12 V
Effective power	14,8 kW
Engine Designation	D1005

MECHANICAL - OUTPUT DETAILS	Metric
Compaction force II(front)	24 kN
Static Cross Slope	38 °
Linear load w. vibr.II (rear)	2,49 kg/mm
Centrifugal force II (rear)	16 kN
Amplitude Level II (rear)	0,45 mm
Static linear load (rear)	0,86 kg/mm
Linear load w. vibr.II (front)	2,44 kg/mm
Amplitude Level II (front)	0,45 mm
Linear load w. vibr. I (rear)	3,41 kg/mm
Amplitude Level I (rear)	0,45 mm
Centrifugal force I (front)	25 kN
Gradeability max. (without vib	40,0 %
Linear load w. vibr. I (front)	3,36 kg/mm

Vibration frequency I (front)	65 Hz
Vibration frequency II (rear)	52 Hz
Vibration frequency II (front)	52 Hz
Amplitude Level I (front)	0,45 mm
Centrifugal force II (front)	16 kN
Gradeability	30,0 %
Compaction force I (front)	33 kN
Static linear load (front)	0,81 kg/mm
French classific., data/class	8,6/PV2
Centrifugal force I (rear)	25 kN
Compaction force II(rear)	25 kN
Compaction force I (rear)	33 kN
Travel speed	0,0 - 11,0 km/h
Vibration frequency I (rear)	65 Hz

ENVIRONMENT DATA

Metric

Exhaust aftertreatment	no
CO (NRTC)	1,6800 g/KWh
CO2 (NRTC)	1.024,2 g/KWh
Exhaust-gas limit	EU Stage V, US TIER 4
Sound power LWA, guaranteed	104,0 dB(A)
HC + NOx (NRTC)	5,800 g/KWh
Sound level LpA	87,0 dB(A)
PM (NRTC)	0,2100 g/KWh
Sound power LWA, measured	102,0 dB(A)
Particle filter	no
Catalyst	no
Vibration, Whole Body	<= 0,5 m/s ²

MECHANICAL DETAILS

Metric

Drum diameter (rear)	620 mm
Wheelbase	1.560 mm

Drum diameter (front)	620 mm
Total height with ROPS	2.210 mm
Drum thickness (rear)	12 mm
Drum width (rear)	1.000 mm
Dry Weight	1.540,0 kg
Gross vehicular weight	1.730,0 kg
Operating width	1.056 mm
Operating weight	1.670,0 kg
Drum thickness (front)	12 mm
Ground clearance Middle	230 mm
Length	2.295 mm
Turning radius outside	3.165 mm
Operating weight, max.	1.950,00 kg
Turning radius inside	2.130 mm
Width	1.056 mm
Drum width (front)	1.000 mm

CHASSIS	Metric
Pendulum angle +/-	8 °

Please Note

This product availability can vary from country to country. It is possible that information / products may not be available in your country. More detailed information on engine power can be found in the operator's manual; the started power may vary due to specific operating conditions. Subject to alterations and errors expected. Applicable also to illustrations.

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