



**WACKER
NEUSON**
all it takes!

RD27

Tandem roller



5 years /
5,000 hours
warranty

Convenient and efficient

The RD27 is the compact and versatile for every construction site. With its three-point articulated pendulum joint, the roller achieves a consistently even weight distribution with optimum manoeuvrability and travel stability. As a result, excellent, high quality asphalt surfaces can be achieved. The user benefits from intuitive operation as well as the comprehensive view of the compaction area. Because of its compact dimensions, the RD27 is an excellent choice for use in confined areas.

Ergonomic work platform

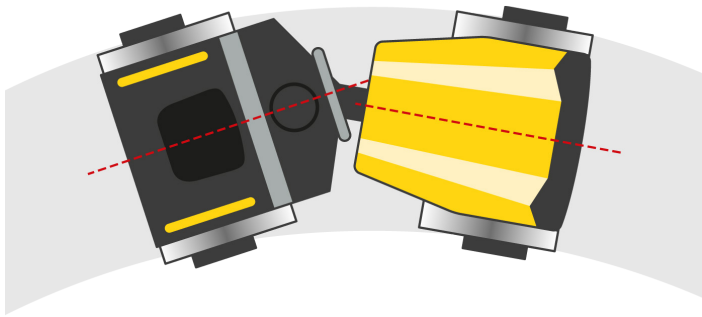


The ergonomic work platform is designed for reduced vibration. The low vibration, easy access and operability of all control elements increase working comfort, operator health and satisfaction.

Uniform operating concept

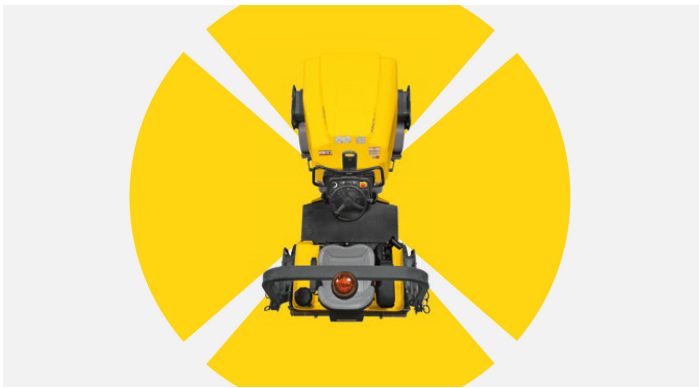


All RD and RC rollers have the same simple operating concept. This offers advantages for rental customers, as long instruction and incorporation into work are not necessary.



Three-point articulated pendulum joint

The three-point articulated pendulum joint results in an even distribution of the weight on the front and rear drums/tires.



Large line-of-sight, compact construction

The compact design provides an excellent view of the drums. This makes manoeuvring and approaching walls and obstacles easier.

Technical Information

| | Units | RD27 |
|--|-------|----------|
| Mechanical - Output Details | | |
| Gradeability | | 30% |
| Gradeability max. (without vibration) | | 40% |
| Travel speed | km/h | 0.0 - 12 |
| Static linear load (front) | kg/mm | 1.11 |
| Linear load with vibration Level I (rear) | kg/mm | 4.62 |
| Linear load with vibration Level II (rear) | kg/mm | 3.26 |
| Compaction force Level I (front) | kN | 54 |
| Compaction force Level II (front) | kN | 38 |
| Compaction force I (rear) | kN | 54 |
| Compaction force II (rear) | kN | 38 |
| Vibration frequency Level I (front) | Hz | 65.0 |
| Vibration frequency Level II (front) | Hz | 51.0 |
| Vibration frequency Level I (rear) | Hz | 65.0 |
| Vibration frequency Level II (rear) | Hz | 51.0 |
| Amplitude Level I (front) | mm | 0.4500 |
| Amplitude Level II (front) | mm | 0.4500 |
| Amplitude Level II (rear) | mm | 0.4500 |
| Centrifugal force Level I (front) | kN | 49 |
| Centrifugal force Level I (rear) | kN | 49 |
| Mechanical Details | | |
| Length | mm | 2,530 |
| Width | mm | 1,310 |
| Height | mm | 1,752 |
| Operating weight | kg | 2,695 |
| Dry Weight | kg | 2,510 |
| Gross vehicular weight | kg | 2,810 |
| Curb clearance right and left | mm | 55 |
| Operating width | mm | 1,200 |
| Ground clearance Middle | mm | 280 |
| Turning radius inside | mm | 2,370 |
| Operating weight with roll-over protective structure | kg | 2,695 |

| | Units | RD27 |
|-------------------------------|-------|-----------|
| Wheelbase | mm | 1,700 |
| Operating weight, max | kg | 3,410 |
| Curb clearance left and right | mm | 570 |
| Empty weight with ROPS | kg | 2,510 |
| Turning radius outside | mm | 3,570 |
| Drum width | mm | 1,200 |
| Drum diameter | mm | 720 |
| Drum thickness | mm | 15 |
| Engine | | |
| Cylinder capacity | cm3 | 1,499 |
| Effective power | KW | 22.9 |
| Nominal engine speed | 1/min | 2,700 |
| Standard (Effective power) | | ISO 14396 |
| Starter battery Voltage | V | 12 |
| Battery capacity (nom. value) | Ah | 70 |
| Manufacturer | | Kubota |
| Engine designation | | D1503 |
| Environment Data | | |
| Sound level LpA | dB(A) | 90 |
| Sound power LWA, measured | dB(A) | 104 |
| Sound power LWA, guaranteed | dB(A) | 106 |
| Exhaust aftertreatment | | no |
| Catalyst | | no |
| Particle filter | | no |
| CO (NRSC) | g/KWh | 1.0 |
| CO2 (NRSC) | g/KWh | 797 |
| HC + NOx (NRSC) | g/KWh | 6.6 |
| PM (NRSC) | g/KWh | 0.4 |
| Operating Fluids | | |
| Water tank capacity | l | 180 |
| Fuel Tank capacity | l | 42 |
| Chassis | | |
| Pendulum angle +/- | ° | 8 |