

RD28

Tandem Rollers



**WACKER
NEUSON**
all it takes!



Perfect view, perfect performance

Due to the specially tapered design of the articulated tandem-axle rollers, the operator always has the drum edges, the machine environment and the job site in view. This ensures ideal compaction results. The ergonomic operator's platform, the vibration-reduced driver's cabin and the 3-point articulated joint provide for maximum driving comfort. In crab steering mode, you can also easily compact in narrow edge areas or along curbs.

- Optimal visual conditions due to the slim design
- Edge pressing and cutting equipment for a clean edge of the paths (option)
- Safe ROPS (Roll Over Protective Structure) that can be folded back for transport
- Installed articulated pendulum joint ensures for uniform compaction, a high level of maneuverability and a high level of driving stability
- Three model versions: Tandem-axle roller with 2 vibrating drums, combination roller or tandem-axle roller with oscillating drum

RD28 Technical specifications

| | RD28-120 | RD28-120c | RD28-120o |
|-----------------------------------|--------------------------|--------------------------|--------------------------|
| Operating data | | | |
| Operating weight with ROPS kg | 2,695 | 2,595 | 2,755 |
| Operating weight max. kg | 3,410 | 3,320 | 3,470 |
| Static linear load front /cm kg | 11.1 | 11.2 | 11.1 |
| L x W x H mm | 2,530 x 1,310 x 2,378 | 2,530 x 1,310 x 2,378 | 2,460 x 1,310 x 2,390 |
| Drum width mm | 1,200 | 1,200 | 1,200 |
| Drum diameter mm | 720 | 720 | 720 |
| Operating width mm | 1,200 | 1,200 | 1,200 |
| Ground clearance middle mm | 280 | 280 | 280 |
| Drum type front | smooth / undivided | smooth / undivided | smooth / undivided |
| Drum type rear | smooth / undivided | tires | smooth / undivided |
| Curb clearance mm | 570 | 570 | 570 |
| Centrifugal force level I kN | 49 | 49 | 49 |
| Centrifugal force level II kN | 30 | 30 | 30 |
| Frequency level I Hz | 65 | 65 | 65 |
| Frequency level II Hz | 51 | 51 | 51 |
| Amplitude mm | 0.45 | 0.45 | 0.45 |
| Oscillation frequency level I Hz | | | 38 |
| Oscillation frequency level II Hz | | | 29 |
| Tangential amplitude mm | | | 1.14 |
| Oscillation force level I kN | | | 39 |
| Oscillation force level II kN | | | 23 |
| Travel speed km/h | 10.6 | 10.5 | 10.6 |
| Gradeability with vibration % | 30 | 30 | 35 |
| Gradeability without vibration % | 40 | 40 | 40 |
| Turning radius inside mm | 2,370 | 2,370 | 2,370 |
| Engine / Motor | | | |
| Engine / Motor type | 3-cylinder diesel engine | 3-cylinder diesel engine | 3-cylinder diesel engine |
| Engine / Motor manufacturer | Kubota D1803-CR | Kubota D1803-CR | Kubota D1803-CR |
| Engine / Motor manufacturer | Kubota D1803-CR | Kubota D1803-CR | Kubota D1803-CR |
| Engine performance ISO 14396 kW | 24 | 24 | 24 |
| Emission standards stage | EU Stage V / EPA Tier 4 | EU Stage V / EPA Tier 4 | EU Stage V / EPA Tier 4 |
| Exhaust aftertreatment system | DOC-DPF | DOC-DPF | DOC-DPF |
| CO2 (NRTC) g/kWh | 858.7 | 858.7 | 858.7 |
| Filling capacities | | | |
| Tank capacity fuel l | 42 | 42 | 42 |
| Tank capacity water l | 180 | 180 | 180 |

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|--|-------------------------------|-------------------------------|-------------------------------|
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| Operating weight with ROPS kg | 2,695 | 2,595 | 2,755 |
| Operating weight max. kg | 3,410 | 3,320 | 3,470 |
| Static linear load front /cm vorne kg | 11.1 | 11.2 | 11.1 |
| L x W x H mm | 2,530 x 1,310 x 2,378 | 2,530 x 1,310 x 2,378 | 2,530 x 1,310 x 2,378 |
| Drum width mm | 1,200 | 1,200 | 1,200 |
| Drum diameter mm | 720 | 720 | 720 |
| Operating width mm | 1,200 | 1,200 | 1,200 |
| Ground clearance middle mm | 280 | 280 | 280 |
| Drum type front | glatt / ungeteilt | glatt / ungeteilt | glatt / ungeteilt |
| Drum type rear | glatt / ungeteilt | Reifen | glatt / ungeteilt |
| Curb clearance mm | 570 | 570 | 570 |
| Centrifugal force level I kN | 38 | 38 | 38 |
| Centrifugal force level II kN | 23 | 23 | 23 |
| Frequency level I Hz | 65 | 65 | 65 |
| Frequency level II Hz | 51 | 51 | 51 |
| Amplitude mm | 0.45 | 0.45 | 0.45 |
| Oscillation frequency Stufe I Hz | | | 38 |
| Oscillation frequency Stufe II Hz | | | 29 |
| Tangential amplitude mm | | | 1.14 |
| Oscillation force Stufe I kN | | | 39 |
| Oscillation force Stufe II kN | | | 23 |
| Travel speed max. km/h | 10.2 | 9.6 | 10.2 |
| Gradeability with vibration % | 30 | 30 | 35 |
| Gradeability without vibration % | 40 | 40 | 40 |
| Turning radius inside mm | 2,370 | 2,370 | 2,370 |
| Engine / Motor | | | |
| Engine / Motor type | 3-cylinder diesel engine | 3-cylinder diesel engine | 3-cylinder diesel engine |
| Engine / Motor manufacturer | Kubota D1803-CR | Kubota D1803-CR | Kubota D1803-CR |
| Engine / Motor manufacturer - Available variants | Kubota D1803-CR, Kubota D1703 | Kubota D1803-CR, Kubota D1703 | Kubota D1803-CR, Kubota D1703 |
| Engine performance ISO 14396 kW | 18.5 | 18.5 | 18.5 |
| CO2 (NRSC) g/kWh | 938.3 | 938.3 | 938.3 |
| Filling capacities | | | |
| Fuel tank capacity fuel l | 42 | 42 | 42 |
| Water tank capacity water l | 180 | 180 | 180 |

Please note: that 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 stated power may vary due to specific operating conditions. Subject to alterations and errors excepted. Applicable also to illustrations.
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