RD28

Tandem Rollers

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
- 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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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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