



RD 16, RD 27 **Ride-on Rollers**

Great agility and good visibility, thanks to the articulated joint.

The ride-on rollers RD 16 and RD 27 achieve a high standard of asphalt compaction. They are equipped with a double drum drive, resulting in outstanding traction properties. The RD rollers can be operated with either one or two vibrating drums. The drums are available in different widths. In addition, the RD 27 offers a choice between a low or high compaction level and therefore adapts flexibly to the job in hand. The lower centrifugal force works perfectly for asphalt compaction, while the higher one is ideally suited for compacting granular material.

- The air filter system features a two-stage cyclone filter and an easy to understand filter maintenance indicator.
- The pressure controlled spraying system is equipped with a three-stage filter system. The different settings of the time interval switch allow for regulation of the water flow according to the type of asphalt.
- The RD rollers can be driven right up to the edge since they do not protrude at either the front or the rear.
- The ergonomically designed, spring-mounted adjustable seat gives the operator outstanding all-round visibility. An efficient vibration decoupling system means the operator experiences less vibrations.
- RD 16: The rear platform and the front hood fold upward. That gives complete access to the engine and makes maintenance easy.

**RD 16, RD 27**
Ride-on Rollers

Technical specifications

	RD 16-90	RD 16-100
Operating data		
Operating weight * kg	1.485	1.520
L x W x H (H to top of rotating beacon) mm	1.950 x 1.000 x 2.545	1.950 x 1.102 x 2.545
Drum diameter mm	560	560
Side clearance right and left mm	400	400
Curb clearance right and left mm	45	45
Centrifugal force at 3,600 1/min kN	15	15
Frequency at 2,450 1/min Hz	0	0
Frequency at 3,000 1/min Hz	0	0
Frequency at 3,600 1/min Hz	70	70
Linear force static (v/h) at 3,600 1/min N/mm	7,7	6,9
Linear force dynamic (v/h) at 3,600 1/min N/mm	16,7	15,1
Advance travel max. at 3,600 1/min m/min	156	156
Reverse travel max. at 3,600 1/min m/min	9,3	9,3
Surface capacity max. m ² /h	8.424	9.360
Gradeability max. (without vibration) %	30	30
Turning radius (outer) mm	2,9	3
Engine / Motor		
Engine / Motor type	Liquid-cooled three-cylinder diesel engine	Liquid-cooled three-cylinder diesel engine
Engine / Motor manufacturer	Kohler	Kohler
Displacement cm ³	1.028	1.028
Engine performance max. at 3,600 1/min kW	19,5	19,5
Operating performance at 2,850 1/min kW	16,5	16,5
Fuel consumption at 3,600 1/min l/h	4,9	4,9
Tank capacity Water l	100	100
Tank capacity Fuel l	23	23



	RD 27-100	RD 27-120
Operating data		
Operating weight * kg	2.550	2.750
L x W x H (H to top of rotating beacon) mm	2.430 x 1.100 x 2.775	2.430 x 1.300 x 2.775
Drum diameter mm	700	700
Side clearance right and left mm	510	510
Curb clearance right and left mm	50	50
Centrifugal force at 2,450 1/min kN	24,3	28,8
Centrifugal force at 3,000 1/min kN	35	41,4
Frequency at 2,450 1/min Hz	55	55
Frequency at 3,000 1/min Hz	66	66
Linear force static (v/h) at 2,450 1/min N/mm	12,1	10,9
Linear force static (v/h) at 3,000 1/min N/mm	13,4	12,0
Linear force dynamic (v/h) at 2,450 1/min N/mm	24,3	24,0
Linear force dynamic (v/h) at 3,000 1/min N/mm	35,0	34,5
Advance travel max. at 2,450 1/min m/min	135	135
Advance travel max. at 3,000 1/min m/min	167	167
Reverse travel max. at 2,450 1/min m/min	8,1	8,1
Reverse travel max. at 3,000 1/min m/min	10	10
Surface capacity max. m²/h	10.200	12.200
Gradeability max. (without vibration) %	35	35
Turning radius (outer) mm	3,5	3,5
Engine / Motor		
Engine / Motor type	Liquid-cooled three-cylinder diesel engine	Liquid-cooled three-cylinder diesel engine
Engine / Motor manufacturer	Perkins	Perkins
Displacement cm³	1.500	1.500
Engine performance max. at 3,000 1/min kW	25,1	25,1
Operating performance at 2,450 1/min kW	23,3	23,3
Operating performance at 3,000 1/min kW	31,25	31,25
Fuel consumption at 2,450 1/min l/h	7,1	7,1
Fuel consumption at 3,000 1/min l/h	7,7	7,7
Tank capacity Water l	150	150
Tank capacity Fuel l	46,6	46,6

* Operator weighing 80 kg and both water and fuel tank half -full.



Information on suitable accessories can be found on our website.

The right to make changes is reserved in the interests of ongoing further developments. You can find more information on the engine power in the operator's manual. The actual power output figures may vary due to specific operating conditions.

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