

Hydrostatic Vibratory Rollers

RD 27-100

RD 27-120

RD

High performance rollers offer excellent compaction results

» The Wacker Neuson RD 27 series provides the ultimate in compaction versatility. Each model offers a choice of high or low compaction force to fit a variety of conditions and applications. Dual frequency per drum is throttle lever controlled and accurately matches the roller to the job. Lower centrifugal force is ideal for asphalt applications while higher centrifugal force is better suited for work on granular subbases. «



ADDITIONAL ADVANTAGES:

- **Air filtration system features a two-stage cyclonic filter** and an easy to read filter minder for longer life.
- **Large hood opens to fully expose engine** and internal components for easy access and better serviceability.
- **Intermittent sprinkler system** offers a three-stage filter system for added reliability and removable water tank has large drain nozzle for efficient emptying.
- **Ergonomically designed operator's station** offers excellent visibility. Operator comfort is maximized with heavy-duty shockmounts to reduce HAV (hand-arm vibration).
- **All models feature standard, foldable ROPS** (Roll Over Protection System).
- **Units feature a reliable liquid-cooled, Perkins diesel engine** for quality performance and high productivity.



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Technical Data

		RD 27-100	RD 27-120
Dry weight	lb (kg)	5236 (2375)	5692 (2582)
Operating weight (includes 175-pound operator and half-full water tank)	lb (kg)	5770 (2617)	6226 (2824)
Drum diameter	in (mm)	27.6 (700)	27.6 (700)
Drum width	in (mm)	39.4 (1000)	47.2 (1200)
Overall size (l x w x h)	in (mm)	98.4 x 43.3 x 109.3 (2500 x 1100 x 2775)	98.4 x 51.2 x 109.3 (2500 x 1300 x 2775)
Curb clearance (R and L)	in (mm)	18.7 (474)	18.7 (474)
Side clearance (R and L)	in (mm)	2 (51)	2 (51)
Water tank capacity	gal (l)	39.6 (150)	39.6 (150)
Shipping weigh	lb (kg)	5761 (2613)	6217 (2820)
Shipping size (l x w x h)	in (mm)	99.4 x 43.3 x 81.3 (2524 x 1100 x 2065)	99.4 x 51.2 x 81.3 (2524 x 1300 x 2065)
Engine type		liquid-cooled, 3 cylinder, Perkins diesel	
Displacement	in ³ (cm ³)	91.5 (1500)	91.5 (1500)
Operating speed	rpm	2470/2800	2470/2800
Max. rated power at rated speed	hp (kW) @ rpm	32.7 (24.4) @ 2800	32.7 (24.4) @ 2800
Power rating specification		ISO 14396	ISO 14396
Fuel consumption (at 2470/2800 rpm)	gal (l)/h	1.8/2.0 (6.9/7.6)	1.8/2.0 (6.9/7.6)
Fuel tank capacity	gal (l)	13.5 (51)	13.5 (51)
Electrical system	Vdc	12	12
Number of vibrating drums		1 / 2	1 / 2
Dynamic (centrifugal) force per drum (at 2470/2800 rpm)	lb (kN)	5463/7688 (23.7/34.2)	6497/9352 (28.9/41.6)
Frequency (at 2470/2800 rpm)	vpm (Hz)	3300/3960 (55/66)	3300/3960 (55/66)
Static linear force, front/rear lb/in	(N/mm)	69.3/77.2 (12.4/13.8)	62.7/69.2 (13.4/14.8)
Dynamic linear force (at 2470/2800 rpm)	lb/in (N/mm)	138.7/195.1 (23.7/34.2)	137.1/197.7 (24/34.6)
Compaction depth for soil/asphalt	in (cm)	24/6 (61/15)	24/6 (61/15)
Forward/reverse speed (at 2470/2800 rpm) (infinitely variable)	mph (km/h) ft (m)/min	0-5/0-6.2 (0-8.1/0-10) 0-440/0-546 (0-135/0-167)	0-5/0-6.2 (0-8.1/0-10) 0-440/0-546 (0-135/0-167)
Maximum gradeability	%	35	35
Outside turning radius	ft (m)	12 (4)	12 (4)
Max. area capacity	ft ² (m ²)/h	86,600/107,500 (8,100/10,200)	103,900/129,000(9,700/12,200)

Standard Package

Hydrostatic Vibratory Rollers includes operator's manual and parts book

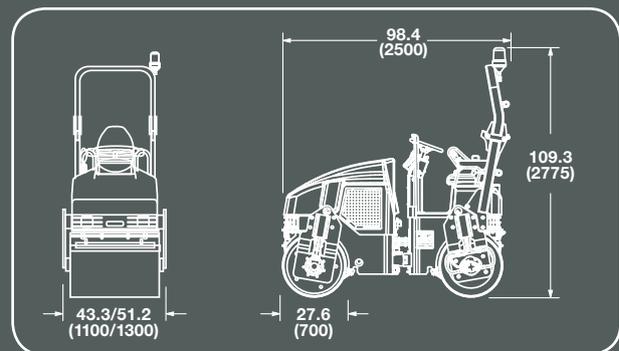
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Model Guide

R = Roller, D = Double drum
27 = Weight class, kg/100,
100/120 = Drum width in cm

Please refer to our Price List and Ordering Guide for complete accessory information.

Specifications may change due to continuous product development. Users are advised to consult Wacker Neuson's Operator's Manual and website for specific information regarding the engine power rating. Actual power output may vary due to conditions of specific use.



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