

Hydrostatic Vibratory Rollers

RD 27-100

RD 27-120

Rollers offer complete versatility and outstanding performance

» WACKER's 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. «

WACKER

- ▣ Reliable
- ▣ Trustworthy
- ▣ Accessible
- ▣ Responsive



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 platform 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.



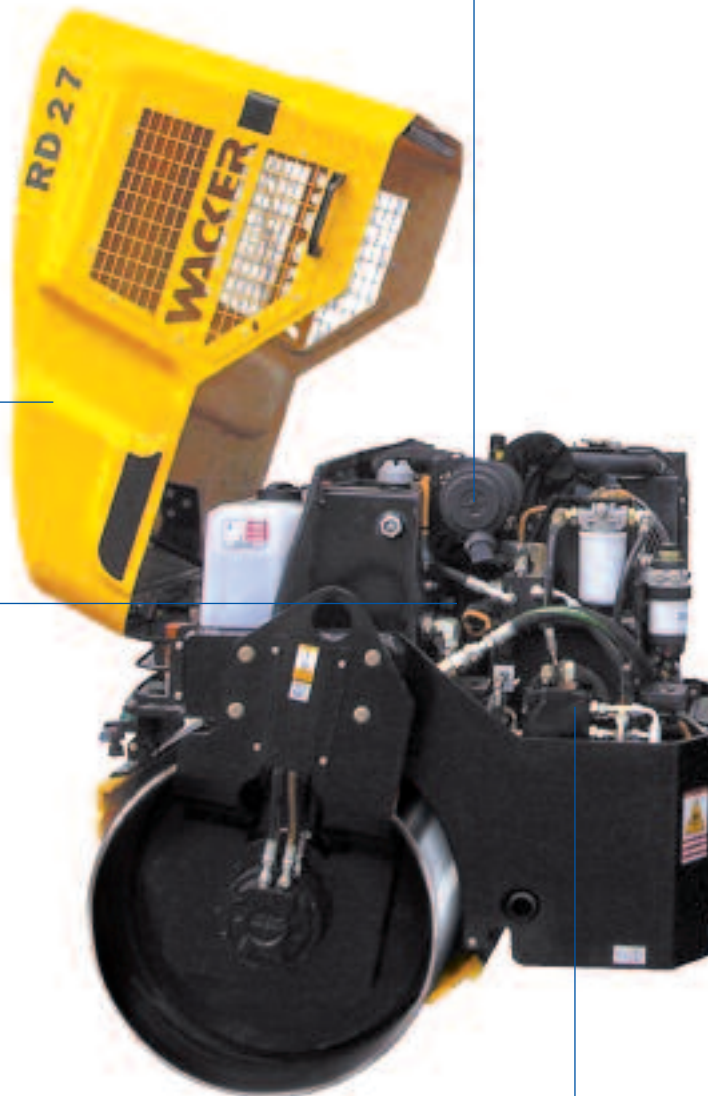
RD 27 Roller



Field approved and reliable

Engineering excellence has made the RD 27 rollers field approved and job site reliable.

- + advanced air filtration system features a two-stage cyclonic filter with filter minder for long life and reduced maintenance
- + high-quality articulated joint provides for exceptional durability on the job
- + electrical connectors and routings are dust and water proof for increased durability
- + self-adjusting, wear-free scraper bars offer added reliability
- + units offer extra tie downs and low machine height for easier job site transport



Serviceability

Serviceability and accessibility are second to none with the RD 27 roller series.

- + large hood lifts up to fully expose the internal engine components
- + quick connect test ports provide easy system checks for the operator
- + easy component accessibility in less time
- + removable fuel, hydraulic and water tanks for added convenience and easy accessibility
- + internal color-coded wiring simplifies troubleshooting



High Productivity

Unmatched performance and high productivity provide excellent compaction results.

- + liquid-cooled, Perkins diesel engine offers constant power and durability
- + intermittent sprinkler system with a three-stage filter system allows for extended operation between refills
- + corrosion-proof water spray system and long-life components provide for smooth operation
- + drums and drive system are optimized for quality finishing
- + RD 27 rollers offer the highest centrifugal force in their class



Easy to operate

The sleek, modern design of the RD 27 rollers is secondary to the exceptional functionality and ease of operation built into these units.

- + single hydraulic control lever with a built-in vibration control switch offers simple operation
- + optional lateral sliding seat features a control lever that moves with the seat for added operator comfort and excellent side visibility
- + heavy-duty shockmounts reduce HAV (hand-arm vibration) for ultimate operator comfort
- + streamlined hood maximizes visibility from the ergonomically designed operator's station



Versatility

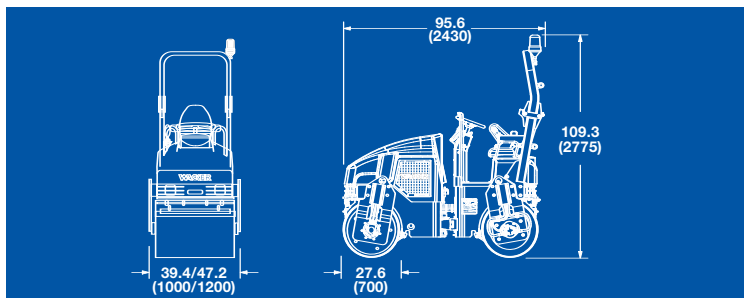
The RD 27 series of vibratory rollers is versatile for many compaction jobs.

- + standard foldable ROPS (Roll Over Protection System) simplifies transport, storage and maneuverability in low buildings
- + convenient dual centrifugal force allows operators to determine which vibration frequency will best suit their specific application
- + units offer an exceptional turning radius for tight applications
- + low sound levels allow for operation under most conditions

Technical Data		RD 27-100	RD 27-120
Dry weight	lb (kg)	5273 (2392)	5714 (2592)
Operating weight (includes 175-pound operator and half-full water tank)	lb (kg)	5622 (2550)	6063 (2750)
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)	95.6 x 43.3 x 109.3 (2430 x 1100 x 2775)	95.6 x 51.2 x 109.3 (2430 x 1300 x 2775)
Curb clearance (R and L)	in (mm)	20 (510)	20 (510)
Side clearance (R and L)	in (mm)	2 (50)	2 (50)
Water tank capacity	gal (l)	39.6 (150)	39.6 (150)
Shipping weight	lb (kg)	5699 (2585)	6107 (2770)
Shipping size (l x w x h)	in (mm)	95.6 x 43.3 x 81.3 (2430 x 1100 x 2065)	95.6 x 51.2 x 81.3 (2430 x 1300 x 2065)
Engine type		liquid-cooled, 3 cylinder, Perkins diesel	
Displacement	in ³ (cm ³)	91.5 (1500)	91.5 (1500)
Maximum power at 3000 rpm	hp (kW)	33.7 (25.1)	33.7 (25.1)
Operating power (at 2450/3000 rpm)	hp (kW)	31.25/33.7 (23.3/25.1)	31.25/33.7 (23.3/25.1)
Operating speed	rpm	2450/3000	2450/3000
Fuel consumption (at 2450/3000 rpm)	gal (l)/h	1.9/2.0 (7.7/7.1)	1.9/2.0 (7.7/7.1)
Fuel tank capacity	gal (l)	12.3 (46.5)	12.3 (46.5)
Electrical system	Vdc	12	12
Number of vibrating drums		2	2
Dynamic (centrifugal) force per drum (at 2450/3000 rpm)	lb (kN)	5467/7872 (24.3/35)	6474/9307 (28.8/41.4)
Frequency (at 2450/3000 rpm)	vpm (Hz)	3300/3960 (55/66)	3300/3960 (55/66)
Static linear force, front/rear (at 2450/3000 rpm)	lb/in (N/mm)	67.8/75 (12.1/13.4)	61.1/67.2 (10.9/12)
Dynamic linear force (at 2450/3000 rpm)	lb/in (N/mm)	138.8/199.9 (243/350)	137/197 (240/345)
Compaction depth for soil/asphalt	in (cm)	24/6 (61/15)	24/6 (61/15)
Forward/reverse speed (at 2450/3000 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)	11.5 (3.5)	11.8 (3.6)
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 RD 27-100 RD 27-120	includes operator's manual and parts book

Model Guide
R = Roller D = Double drum 27 = Metric operating weight 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.