



RD 27

Tandem Rollers



High performance roller offers excellent compaction results

The new generation of the 2.5-ton RD 27 roller 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 output per drum accurately matches the roller to the job. Tapered frame design makes for ideal visibility. Tool free water system access makes daily maintenance extremely easy.

- Intermittent sprinkler system offers a three-stage filter system for added reliability and metal water bars and nozzles for maximum durability
- Ergonomically designed operator's station offers excellent visibility. Operator comfort is maximized with heavy-duty shockmounts to reduce HBV (whole body vibration)
- Patented multi-function control lever allows the operator to control all main functions without taking their hands off the controls
- Tool free access to the water pump, water filter and water bars makes for convenient daily maintenance
- Tapered front frame provides for ideal drum visibility

The practical control panel of the RD 27 displays all information about the drums, both compaction stages, the water supply, oil and water levels, the lighting, etc.





All maintenance points are easily accessible from one side of the roller. The water filter and pump can be accessed without tools.





Technical specifications

	RD 27-100	RD 27-120
Operating data		
Operating weight * w/175lb operator lb	5,470	5,950
L x W x H height w/beacon in	98.4 x 43.5 x 109	98.4 x 51.4 x 109
Drum width in	39.4	47.2
Drum diameter in	27.6	27.6
Side clearance Right in	2	2
Side clearance Left in	2	2
Curb clearance Right in	20.2	20.2
Curb clearance Left in	20.2	20.2
Centrifugal force Dynamic Drum Low lbf	12,589.3	15,287
Centrifugal force Dynamic Drum High lbf	18,860.7	20,232.8
Frequency Hz	0	0
Frequency Hz	0	0
Frequency Low Vpm	3,444	3,444
Frequency High Vpm	3,960	3,960
Linear force Static - Front/Rear lb/in	64.9/77.3	56.2/66.7
Linear force Dynamic - Front/Rear Low lb/in	159.9/159.9	159.9/159.9
Linear force Dynamic - Front/Rear High lb/in	214.1/214.1	214.1/214.1
Travel speed Forward mph	6.2	6.2
Travel speed Reverse mph	6.2	6.2
Surface capacity Max Area ft ² /h	107,639	129,167
Gradeability %	35	35
Turning radius Outside in	143.3	143.3
Engine / Motor		
Engine / Motor type	Liquid-cooled, 3-cylinder, diesel engine	Liquid-cooled, 3-cylinder, diesel engine
Engine / Motor manufacturer	Kubota D1803	Kubota D1803
Displacement in ³	111.4	111.4
RPM / speed Operating rpm	2,700	2,700
Operating performance Max. Rated at 2700 rpm hp	37.5	37.5
Fuel consumption US gal/h	1.4	1.4
Tank capacity Fuel US gal	13.6	13.6
Tank capacity Water US gal	50	50



	RD 27-100	RD 27-120
Runtime @ 2700 rpm h	9.7	9.7

* With 80 kg operator and half-full water and fuel tank

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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