

Single Drum Vibratory Rollers

BW211D-3, BW211PD-3



EARTHWORKS - High & Low Vibration Frequency Setting					
# passes	rolling speed (mph)	productivity in cu yd/hr by lift thickness, 100 % efficiency			
		8 inches	12 inches	24 inches	30 inches
2	2.5	1141	1712	3423	4279
3	2.5	761	1141	2282	2853
4	2.5	571	856	1712	2139
5	2.5	456	685	1369	1712
2	2.1	958	1438	2875	3594
3	2.1	639	958	1917	2396
4	2.1	479	719	1438	1797
5	2.1	383	575	1150	1438

Note: Repeat number of passes over the same area is required to achieve specified compaction efficiency/density. Successive passes over same area results in reduced area coverage and productivity. Rolling speed selected provides impact spacing of a minimum 10 impacts per foot at high vibration frequency setting. Actual compaction efficiency is determined by job conditions.



BW211-3 series



■ *The lower cost, high quality answer to your 84" compaction needs...*

The Bomag BW211D-3 and BW211PD-3 were designed to provide a lower cost, high quality alternative for today's contractors. Built for maximum operator comfort, these models offer increased platform space, centralized machine controls and indicators and low operating dBA levels. No grease daily points, a reverse mounted engine and a two-stage hood makes these units service-friendly for minimal down time. The powerful diesel engine, heavy duty rear axle with no spin differential, and standard dual amplitude provide superior compaction performance on granular and mixed soils as well as on cohesive and semi-cohesive soils.

■ Applications:

- Highway construction and maintenance
- Driveways
- Parking lots
- Landfill



Designed specifically for soil compaction.



Easy operation through ergonomic layout of controls

■ Handling is Easier & Safer:

- Vibration-isolated operator's platform.
- Extremely low noise levels at operator's ears, even with vibration.
- Reduced "stop to stop" steering input.
- Increased forward and rearward visibility to improve job site safety.
- Operator controls are strategically and comfortably placed for natural movements.
- Multi-position, adjustable seat provides a more comfortable environment.
- Increased platform space reduces operator fatigue.
- Easy single lever control for both travel direction, speed and vibration.
- Equipped with a standard back-up warning system.

Operator selectable traction control maximizes traction and gradeability

■ Achieve Maximum Productivity:

- Higher productivity leads to increased profits and better machinery ROI.
- High static linear loads and optimized amplitudes deliver higher centrifugal forces.
- Higher frame to drum weight ratio ensures better compaction performance.
- Two vibrating amplitudes and frequencies provide uniform compaction on a wide variety of soils.
- Drum vibration buffers can be replaced individually without drum removal.
- Increased steering angle provides better maneuverability.
- Thick drum shells with chamfered edges provide better compaction results and superior surface quality.
- Maintenance-free vibration system and bearings.
- Wider clearance between frame and drum in conjunction with dual scrapers prevents material build-up.
- Heavy duty rear axle with no spin differential delivers superior tractive effort.
- Low emissions, diesel engine and high output drum drive provide improved traction performance.

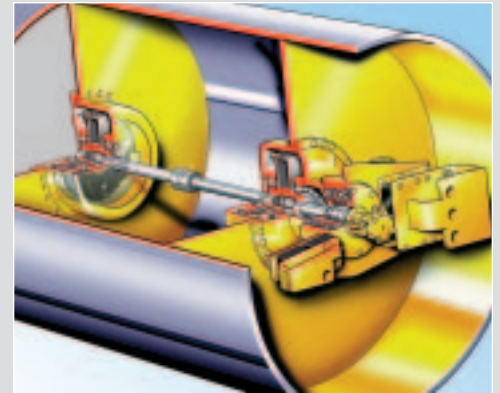


Maintenance-free, rugged, oscillating-articulation joint bolted on the outside of the front and rear frames

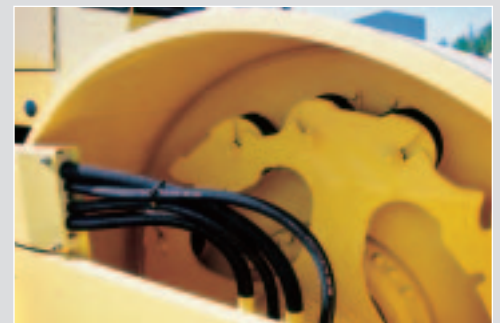
■ Less Service & Maintenance:

- The purchase price is important, but so are the operating costs. Check these features:
- Easy access to all service and maintenance points.
 - Equipped with corrosion free, plastic diesel fuel tank.
 - No grease daily points reduces routine maintenance.
 - External drain points for engine oil, engine coolant and hydraulic oil facilitate servicing ease.
 - Reverse engine mounting places specific hydraulic components to rear of the machine for easy access.
 - BOMAG filter system extends hydraulic oil and filter change intervals to 2000 working hours or 2 years.
 - Drum vibration buffers can be replaced individually without the use of special tools.
 - Spring-Applied, Hydraulically-Released (SAHR) brakes are maintenance free.
 - Air intake placed high for cleanest air quality extends filter service intervals.
 - Recessed frame bolts reduce bolt head shearing and repair costs.

Featuring...



Standard dual amplitude enhances machines versatility



Individually changeable rubber buffers with no special tools or disassembly of the drum required



Large steel engine hood provides easy access to all service and maintenance points

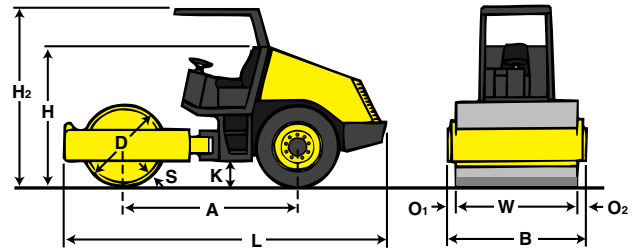
With these features and many more, it's easy to see why these models maintain a high residual value while delivering lower lifetime operating costs.

Technical Specifications

BW211-3 Series

Shipping dimensions

in cubic feet (m ³)	without/with ROPS/FOPS	
BW 211D-3	1010.9 (28.6)	1323.9 (37.5)
BW 211PD-3	1010.9 (28.6)	1323.9 (37.5)



Dimensions in inches (mm)

	A	B	D	H	H ₂	K	L	O ₁	O ₂	S	W
BW 211D-3	112.9 (2868)	88.6 (2250)	59.1 (1500)	89.3 (2268)	116.9 (2970)	19.3 (490)	220.9 (5610)	2.4 (60)	2.4 (60)	0.98 (25)	83.9 (2130)
BW 211PD-3	112.9 (2868)	88.6 (2250)	58.3 (1480)	89.3 (2268)	116.9 (2970)	19.3 (490)	220.9 (5610)	2.4 (60)	2.4 (60)	0.98 (25)	83.9 (2130)

Standard Equipment

- Hydrostatic drum and vibration drives
- Dual vibrating frequencies and amplitudes
- Hydrostatic articulated steering
- No spin differential with Spring-Applied, Hydraulically-Released (SAHR) brakes
- Bolt-on oscillating, articulation joint
- Articulation lock
- Adjustable operator's seat
- Single lever control for travel and vibration
- Audible/visual warning indicators:
 - Engine oil pressure
 - Engine temperature
 - Electrical charge
- Hydraulic oil level gauge
- Hour meter
- Fuel tank level gauge
- Drum scrapers
- ROPS / FOPS with seat belt
- Back-up alarm
- Emergency Stop

Optional Equipment

- Working lights front/rear
- ROPS cab with heater
- Terrameter
- Omegameter
- Pad foot segment kit
- Special paint
- Tool kit
- Smooth shell segment kit (PDH)

Technical data

Weights

	lbs	(kg)	BOMAG BW211D-3	BOMAG BW211PD-3
Operating Weight with ROPS/FOPS	22928	(10400)	25089	(11,380)
Axle load, drum	13668	(6200)	15829	(7,180)
Axle load, wheels	9259	(4200)	9259	(4,200)
Static linear load (drum)	162.9	(29.1)		

Dimensions

	in	(mm)	BOMAG BW211D-3	BOMAG BW211PD-3
Working width	83.9	(2130)	83.9	(2130)
Track Radius, inner	137.6	(3494)	137.6	(3494)

Dimensions

see sketch

Driving Characteristics (depending on site conditions)

	mph	(kmph)	BOMAG BW211D-3	BOMAG BW211PD-3
Speed (1)	0-3.1	(0-5)	0-3.1	(0-5)
Speed (2)	0-3.7	(0-6)	0-3.7	(0-6)
Speed (3)	0-5.6	(0-9)	0-5.6	(0-9)
Speed (4)	0-8.4	(0-13.5)	0-8.4	(0-13.5)
Max. gradeability without/with vibration	47/47		47/47	

Drive

	BOMAG BW211D-3	BOMAG BW211PD-3
Engine manufacturer	Deutz	Deutz
Type	BF4M2012C	BF4M2012C
Cooling	water	water
Number of cylinders	4	4
Performance ISO 9249	133 hp (98 kW)	133 hp (98 kW)
Speed	2300 rpm	2300 rpm
Performance SAE J 1995	131 hp (98 kW)	131 hp (98 kW)
Speed	2300 rpm	2300 rpm
Fuel	diesel	diesel
Electric Equipment	12 V	12 V
Drive System	hydrostatic standard	hydrostatic standard
Drum Driven		

Drums and Tires

	in	(mm)	BOMAG BW211D-3	BOMAG BW211PD-3
Drum width	83.9	(2130)	83.9	(2130)
Drum diameter	61.0	(1550)	60.2	(1530)
Tire size	23.1/18-26/8PR		23.1/18-26/12PR	

Brakes

	BOMAG BW211D-3	BOMAG BW211PD-3
Service brake	hydrostatic	hydrostatic
Parking brake	SAHR	SAHR

Steering

	BOMAG BW211D-3	BOMAG BW211PD-3
Steering system	oscillating, articulating	oscillating, articulating
Steering method	hydrostatic	hydrostatic
Steering angle +/-	35 degrees	35 degrees
Oscillating angle +/-	12 degrees	12 degrees

Vibratory system

	BOMAG BW211D-3	BOMAG BW211PD-3
Drive system	hydrostatic	hydrostatic
Frequency	1800/2160 (30/36) vpm (Hz)	1800/2160 (30/36)
Amplitude	0.071/0.035 in (1.8/0.9) mm	0.065/0.032 (1.64/0.82)
Centrifugal force	53100/38250 lbs (236/170) kN	61875/44550 (275/198)

Capacities

	gal	(l)	BOMAG BW211D-3	BOMAG BW211PD-3
Fuel	66	(250)	66	(250)

Technical modifications reserved. Machines may be shown with options.

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