



BOMAG
FAYAT GROUP

Single Drum Vibratory Rollers **BW211D-50, BW211PD-50**

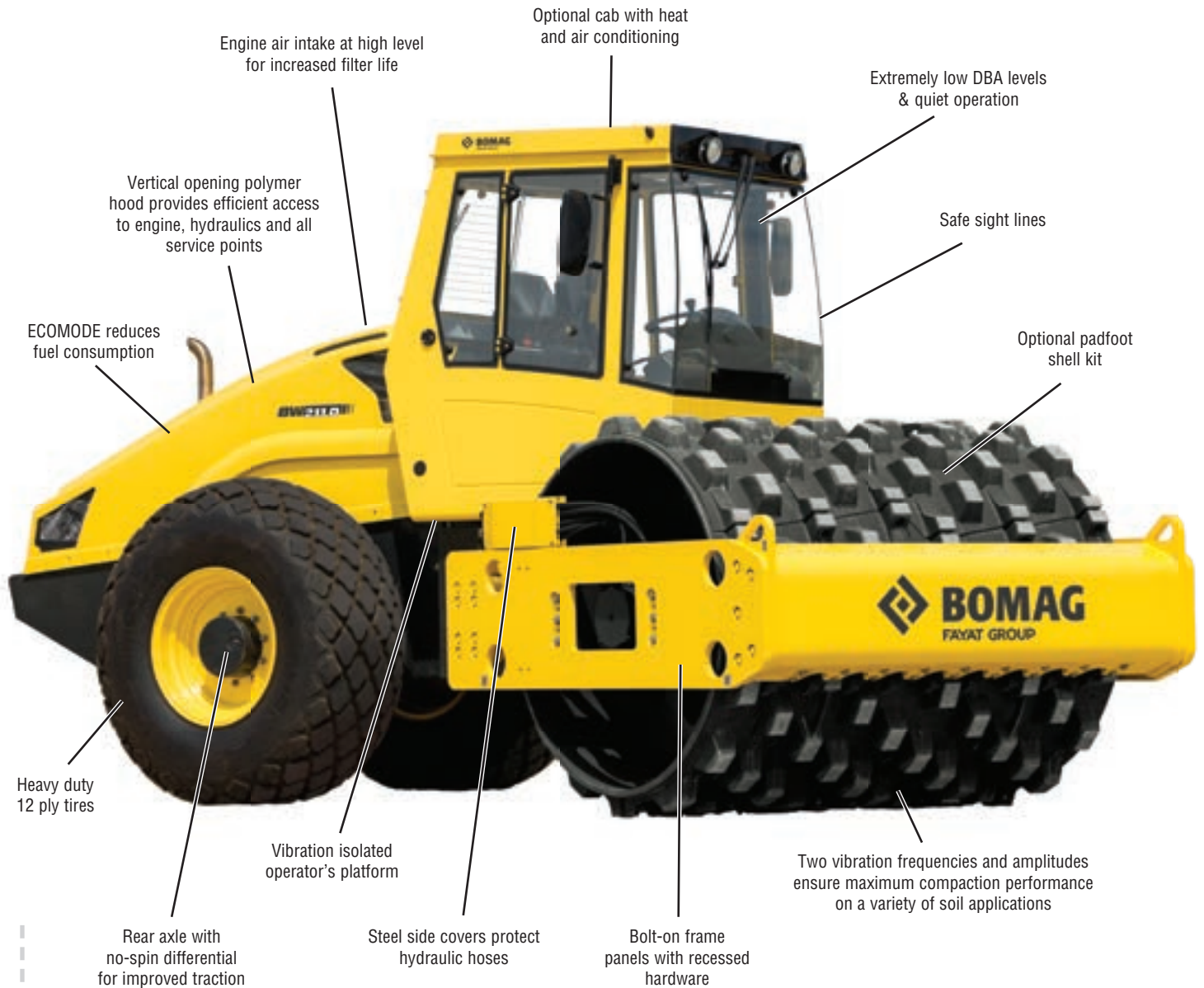


KEY FEATURES

- 84 inch drum width
- Easy & simple operation
- Deutz Tier 4i diesel engine
- ECOMODE
- No grease points
- Dual amplitude & dual frequency
- Dual drum scrapers
- Vertically opening polymer hood
- Optional cab & air conditioning
- Efficient compaction performance



BW211-50 series



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

The BW211D-50 and BW211PD-50 continue the BOMAG tradition in delivering cost effective, superior quality compaction rollers to today's construction market. Contractors appreciate the benefits of maximum operator comfort, superb compaction productivity, low maintenance efforts, and innovative options that enhance utilization and performance. The powerful diesel engine, heavy duty rear axle with no spin differential, and standard dual amplitude / dual frequency provide exceptional jobsite performance on granular, mixed cohesive and semi-cohesive soils.

■ Applications:

- Highway construction and maintenance
- Parking lots
- Landfill roadways
- Commercial site development

Best for
COMPACTION



Efficient Tier 4i diesel engine with ECOMODE

Operation - Comfortable, Easy and Safe

- Vibration isolated operators platform.
- Extremely low noise levels.
- Multi-position, adjustable seat.
- Optional swivel seat.
- Operator controls are strategically and ergonomically placed.
- Easy single lever control for travel direction, speed and vibration.
- Backup alarm is standard.
- Excellent all around visibility for maximum safety.

Maximum Productivity

- Superb compaction performance allows achievable density with thicker lifts or less passes yielding better ROI
- High PLI, centrifugal forces, and amplitudes.
- Dual vibration frequencies and dual amplitudes for different jobsite requirements.

Padfoot & Smooth Shell Kits Adds Versatility:

Allow the roller to be quickly adapted to changing jobsite applications.



Maintenance free oscillating articulation joint.

Less Service & Maintenance:

- Maintenance free bolt-on articulation joint, steering cylinder pins, and travel bearings eliminates daily grease points.
- Quick access to all service and maintenance points in the engine compartment and the front drum.
- Central drain points for engine and hydraulic oils, and for engine coolant.
- Spring-Applied Hydraulically-Released (SAHR) brakes are maintenance free.
- Recessed frame bolts reduce bolt head shearing and repair costs
- Corrosion free plastic fuel tank.
- BOMAG hydraulic filter system extends hydraulic oil and filter change intervals to 2000 working hours or 2 years.

Innovative Options:

Compaction measuring and / or control systems display real time soil load bearing results avoiding over-compaction and reducing the number of rolling passes.

Featuring...



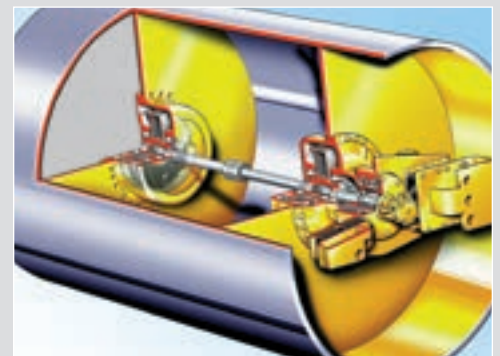
Easy access to all service and maintenance points



Easy operation with precise ergonomic controls



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



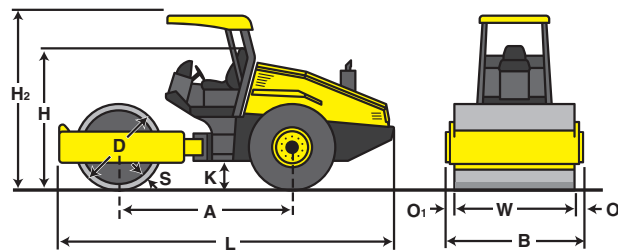
Standard dual amplitude enhances machines versatility

Technical Specifications

BW211-50 Series

Shipping dimensions

in cubic feet (m ³)	without/with ROPS/FOPS	
BW211D-50	1056 (29.9)	1384 (39.2)
BW211PD-50	1056 (29.9)	1384 (39.2)



Dimensions in inches (mm)

	A	B	D	H	H ₂	K	L	O ₁	O ₂	S	W
BW211D-50	116.5 (2960)	88.6 (2250)	59.1 (1500)	89.3 (2268)	117 (2972)	19.3 (490)	230.7 (5860)	2.4 (60)	2.4 (60)	0.98 (25)	83.9 (2130)
BW211PD-50	116.5 (2960)	88.6 (2250)	58.3 (1480)	89.3 (2268)	117 (2972)	19.3 (490)	230.7 (5860)	2.4 (60)	2.4 (60)	0.98 (25)	83.9 (2130)

Standard Equipment

- Deutz Tier 4i engine
- ECOMODE
- Hydrostatic drum and vibration drive
- Polymer engine hood
- Dual vibrating frequencies and amplitudes
- Hydrostatic articulated steering
- No spin differential with Spring Applied Hyd. Rel. (SAHR) brakes
- Bolt on oscillating, articulation joint
- Articulation lock
- Adjustable operators seat
- Single lever control for travel and vibration
- Dual drum scrapers
- Emergency stop
- Backup alarm
- ROPS/FOPS sun canopy w/seat belt
- Hour meter
- Audible and /or Visual warning indicators**
 - Engine oil pressure
 - Engine coolant level
 - Electrical charge control
 - Brake control
- Visual fluid indicators**
 - Hydraulic oil level
 - Engine coolant level

Optional Equipment

- Working lights front/rear
- ROPS cab with heating
- Air conditioning
- Padfoot drum segment kit (D)
- Smooth drum segment kit (PD)
- Swivel comfort seat
- Evib Meter (BEM)
- Terrameter (BTM)
- Front frame ballast (+ 1540 lbs)
- Diamond tread rear tire ballast (+ 1760 lbs)
- Gauges: Speedometer, voltmeter, frequency, tachometer
- CD Radio w/AUX input (cab only)
- Rotary beacon (permanent or portable)
- Special paint

Technical data

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BW211D-50

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Weights

Operating Weight with ROPS/FOPS	lbs (kg)	21516 (9760)	23720 (10760)
Axle load, drum	lbs (kg)	12940 (5870)	14256 (6474)
Axle load, wheels.....	lbs (kg)	8576 (3890)	9464 (4293)
Static linear load (drum)	pli (kg/cm)	154.4 (27.6)	

Driving Characteristics (depending on site conditions)

Speed (1).....	mph (kmph)	0-3.1 (0-5)	0-3.1 (0-5)
Speed (2).....	mph (kmph)	0-3.7 (0-6)	0-3.7 (0-6)
Speed (3).....	mph (kmph)	0-5.6 (0-9)	0-5.6 (0-9)
Speed (4).....	mph (kmph)	0-7.5 (0-12)	0-7.5 (0-12)
Max. gradeability without/with vibration.....	%	47/47	47/47

Drive

Engine manufacturer.....		Deutz	Deutz
Type.....		TCD3.6L04	TCD3.6L04
Tier Compliance.....		Tier 4i	Tier 4i
Cooling.....		water	water
Number of cylinders		4	4
Performance ISO 3046 / SAE J 1995	hp (kW)	120 (90)	120 (90)
Speed	rpm	2200	2200
Fuel.....		diesel	diesel
Electric Equipment	V	12	12
Drive System.....		hydrostatic	hydrostatic
Drum Driven.....		standard	standard

Drums and Tires

Number of pad feet.....			150
Area of one pad foot	in ² (cm ²)		21.2 (136.5)
Height of pad feet	in (mm)		3.9 (100)
Tire size		23.1-26/12PR	23.1-26/12PR
Tire tread		Diamond (R-3)	Tractor (R-1)

Brakes

Service brake		hydrostatic	hydrostatic
Parking brake		SAHR	SAHR

Steering

Steering system.....		oscillating, articulating	oscillating, articulating
Steering method.....		hydrostatic	hydrostatic
Steering / Oscillating angle +/-.....	degrees	35 / 12	35 / 12
Track Radius, inner.....	in (mm)	137.6 (3494)	137.6 (3494)

Vibratory system

Drive system		hydrostatic	hydrostatic
Frequency	vpm (Hz)	1800/1980 (30/33)	1800/1980 (30/33)
Amplitude.....	in (mm)	0.071/0.035 (1.8/0.9)	0.065/0.032(1.64/0.82)
Centrifugal force.....	lbs (kN)	53100/32141(236/143)	61825/37434 (275/166)

Technical modifications reserved. Machines may be shown with options.