**Single Drum Vibratory Rollers**

**BW211D-50, BW211PD-50**

**KEY FEATURES**

<table>
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<th>Feature</th>
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<tr>
<td>84 inch drum width</td>
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<tr>
<td>Easy &amp; simple operation</td>
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<tr>
<td>Deutz Tier 4i diesel engine</td>
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<tr>
<td>ECOMODE</td>
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<tr>
<td>No grease points</td>
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<tr>
<td>Dual amplitude &amp; dual frequency</td>
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<tr>
<td>Dual drum scrapers</td>
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<tr>
<td>Vertically opening polymer hood</td>
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<tr>
<td>Optional cab &amp; air conditioning</td>
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<tr>
<td>Efficient compaction performance</td>
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[www.bomag.com/us](http://www.bomag.com/us)
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

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

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.

Padfoot & Smooth Shell Kits Adds Versatility:

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

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

Dimensions in inches (mm)

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<th>A</th>
<th>B</th>
<th>D</th>
<th>H</th>
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<th>O2</th>
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<td>116.5</td>
<td>88.6</td>
<td>59.1</td>
<td>89.3</td>
<td>117</td>
<td>19.3</td>
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Technical data

Weights
- Operating Weight with ROPS/FOPS .......... lbs (kg) 21516 (9760) 23720 (10760)
- Axle load, drum ................................ lbs (kg) 12940 (5870) 14256 (6474)
- Axle load, wheel................................ 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 (9-0) 0-5.6 (9-0)
- Speed (4) ........................................ mph (kmph) 0-7.5 (12-0) 0-7.5 (12-0)
- Max. gradeability without with vibration % 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 ......................................... 2200 2200
- Fuel .......................................... diesel diesel
- Electric Equipment ............................. V V
- 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) 0.07/0.035 (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.

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