Single Drum Vibratory Rollers
BW213-40 Series

KEY FEATURES
- 84” inch drum width
- Easy & simple operation
- Cummins diesel engine
- No grease points
- Dual Amplitude & Dual Frequency
- Dual Drum scrapers
- Efficient service access
- Vertically opening hood

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The BOMAG BW213-40 series provides features that deliver jobsite versatility and excellent soil compaction performance. The smooth drum BW213DH-40 model is designed essentially for compaction of granular and mixed soils. The padfoot BW213PDH-40 model is best suited for compaction of cohesive and semi-cohesive soils. Two vibration frequencies and two amplitudes, combined with high optimum centrifugal forces offer profitability and superb productivity for various jobsite applications.

**Applications:**
- Highway construction and maintenance
- Driveways
- Parking lots
- Landfill

Designed specifically for soil compaction.
Operation - Comfortable, Easier and Safer
• Vibration Isolated Operators platform
• Extremely low noise levels at operators ears even with vibration
• Multi-position, adjustable seat
• Optional Swivel Seat
• Reduced stop to stop steering input
• Operator controls are strategically and ergonomically placed
• Easy single lever control for both travel direction, speed and vibration

Maximum Productivity
• Superb compaction performance allows achievable density with thicker lifts or less passes yielding better ROI
• High PLI, Centrifugal Forces, and Amplitudes
• Wider Clearance between frame and drum combined with dual scrapers prevents material build up.
• ASC System* monitors slip potential between drum and rear tires to maximize traction and gradeability.
• Low emission, Tier III Diesel engine and high output drum drive provide improved traction performance.

Less Service & Maintenance:
The purchase price is important, but so are the operating costs. Check these features:
• 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.

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.
• BOMAG Evib Meter (BEM) – Analog gauge display of Evib values.
• BOMAG BTM Prof – Measuring system controls and documents the compaction process. Operator can view results on LCD Display and Document results via onboard printer
• BOMAG BCM05 Compaction management system used in conjunction with the BTM Prof, controls and documents the compaction process as well as allowing intelligent compaction data management.

Padfoot and Smooth Shell Kits allow the roller to be quickly adapted to changing jobsite applications.
**Technical Specifications**

**BW213-40 Series**

**Dimensions in inches (mm)**

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<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>D</th>
<th>H</th>
<th>H2</th>
<th>K</th>
<th>L</th>
<th>O1</th>
<th>O2</th>
<th>S</th>
<th>W</th>
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<tbody>
<tr>
<td>BW213DH-40</td>
<td>116.6</td>
<td>88.6</td>
<td>59.1</td>
<td>89.3</td>
<td>117</td>
<td>19.3</td>
<td>229.9</td>
<td>2.4</td>
<td>2.4</td>
<td>1.4</td>
<td>83.9</td>
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<tr>
<td>BW213PDH-40</td>
<td>(2960)</td>
<td>(2250)</td>
<td>(1500)</td>
<td>(2268)</td>
<td>(2972)</td>
<td>(490)</td>
<td>(5840)</td>
<td>(60)</td>
<td>(60)</td>
<td>(35)</td>
<td>(2130)</td>
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**Technical data**

- **Weights**
  - Operating Weight with ROPS/FOPS: 26540 lbs (12040 kg)
  - Operating Weight with Blade: 30385 lbs (13785 kg)
  - Axle load, drum: 15315 lbs (6945 kg)
  - Axle load, drum with Blade: 19996 lbs (9070 kg)
  - Axle load, wheels: 11225 lbs (5095 kg)
  - Static linear load (drum): 1182.9 lbs (527 kg)

- **Driving Characteristics (depending on site conditions)**
  - Speed 1: 0-2.2 mph (0-3.5 kmph)
  - Speed 2: 0-0.39 mph (0-0.65 kmph)
  - Speed 3: 0-0.75 mph (0-1.2 kmph)

- **Max. gradeability without/with vibration:** 55%

- **Engine manufacturer:** Cummins
  - Type: QSB 4.5
  - Tier compliance: Tier 3
  - Cooling: water
  - Number of cylinders: 4
  - Performance ISO 3046 / SAE J 1995: 160 kW (2200 rpm)

- **Brakes**
  - Service brake: hydrostatic
  - Parking brake: SAHR
  - Steering system: oscillating, articulating
  - Steering angle +/-: 35 degrees
  - Oscillating angle +/-: 12 degrees
  - Track radius, inner: 142.3 (3615 mm)

- **Vibratory system**
  - Drive system: hydrostatic
  - Frequency: 1800/2160 Hz
  - Centrifugal force: 61825 (275/198 kN)

- **Capacities**
  - Fuel: 66 (250) gal (l)

*Technical modifications reserved. Machines may be shown with options.*

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**Optional Equipment**

- Hydrostatic drum & vibration drive
- Dual frequencies & amplitudes
- Hydrostatic articulated steering
- No spin differential with Spring Applied Hyd. Rel. (SAHR) brakes
- Anti-slip Control (ASC)
- Bolt on oscillating, articulation joint
- Articulation lock
- Adjustable operators seat
- Single lever control for travel & vibration
- Drum scrapers
- Emergency stop
- Backup alarm & hour meter
- ROPS/FOPS sun canopy with seat belt
- Audible / Visual warning indicators
  - Engine oil pressure
  - Engine temperature
  - Hydraulic oil filter restriction
  - Air filter restriction
  - Brake control
  - Charge control

- **Leveling blade (PDH)*
- Working lights front/rear
- ROPS Cab with heating
- Air conditioning
- Padfoot drum segment kit (DH)
- Smooth drum segment kit (PDH)
- Swivel comfort seat
- Evib Meter (BEM)
- Terrameter (BTM Prof)
- BCM05 Compaction Management
- Front frame ballast (+ 1540 lbs)
- Gauges: Speedometer, voltmeter, frequency, tachometer
- CD Radio (with cab option)
- Rotary beacon (permanent or portable)

* Optional leveling blade is for surface profiling/contouring and backdraging of loose fill material only. This design is not intended to function as a device for excavation purposes.

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**Dimensions in cubic feet (m³)**

- BW213DH-40: 1053 (29.8) m³
- BW213PDH-40: 1053 (29.3) m³

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**Contact Information**

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